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

Hit Summary Sheet
SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**B-167-SB01**							
Q1901-08	B-167-SB01	TCLP	Pyridine	24.100	J	12.8	50	ug/L
			Total Svoc :			**24.10**		
			Total Concentration:			**24.10**		

SAMPLE DATA

Raw Data: **BF142256.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/30/25
Client Sample ID:	PB167774TB	SDG No.:	Q1901
Lab Sample ID:	PB167774TB	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
BF142256.D	1	04/30/25 13:15	05/01/25 13:07	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (10) - 110 (139)	78%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.3		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.1		30 (52) - 130 (132)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	67.9		30 (48) - 130 (125)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	218000	6.904			
1146-65-2	Naphthalene-d8	840000	8.186			
15067-26-2	Acenaphthene-d10	443000	9.945			
1517-22-2	Phenanthrene-d10	773000	11.427			
1719-03-5	Chrysene-d12	539000	14.068			
1520-96-3	Perylene-d12	394000	15.562			

Raw Data: **BF142256.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	04/30/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	04/30/25
Client Sample ID:	PB167774TB			SDG No.:	Q1901
Lab Sample ID:	PB167774TB			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
BF142256.D	1	04/30/25 13:15	05/01/25 13:07	PB167810

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

Raw Data: **BF142276.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-08	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
BF142276.D	1	04/30/25 13:15	05/02/25 11:58	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	24.1	J	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	103		15 (10) - 110 (139)	69%	SPK: 150
13127-88-3	Phenol-d6	95.9		15 (10) - 110 (134)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		30 (49) - 130 (133)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.9		30 (52) - 130 (132)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	68.1		30 (48) - 130 (125)	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	223000	6.91			
1146-65-2	Naphthalene-d8	840000	8.186			
15067-26-2	Acenaphthene-d10	447000	9.939			
1517-22-2	Phenanthrene-d10	770000	11.427			
1719-03-5	Chrysene-d12	529000	14.068			
1520-96-3	Perylene-d12	393000	15.557			

Raw Data: **BF142276.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-08	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
BF142276.D	1	04/30/25 13:15	05/02/25 11:58	PB167810

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

Raw Data: **BF142279.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-09	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
BF142279.D	1	04/30/25 13:15	05/02/25 13:24	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	101		15 (10) - 110 (139)	67%	SPK: 150
13127-88-3	Phenol-d6	92.9		15 (10) - 110 (134)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.7		30 (49) - 130 (133)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.7		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		15 (44) - 110 (137)	87%	SPK: 150
1718-51-0	Terphenyl-d14	72.5		30 (48) - 130 (125)	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	207000	6.91			
1146-65-2	Naphthalene-d8	787000	8.186			
15067-26-2	Acenaphthene-d10	403000	9.939			
1517-22-2	Phenanthrene-d10	662000	11.427			
1719-03-5	Chrysene-d12	411000	14.068			
1520-96-3	Perylene-d12	344000	15.557			

Raw Data: **BF142279.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-09	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
BF142279.D	1	04/30/25 13:15	05/02/25 13:24	PB167810

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

Raw Data: **BF142280.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-10	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
BF142280.D	1	04/30/25 13:15	05/02/25 13:53	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	101		15 (10) - 110 (139)	67%	SPK: 150
13127-88-3	Phenol-d6	70.4		15 (10) - 110 (134)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.2		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	114		30 (52) - 130 (132)	114%	SPK: 100
118-79-6	2,4,6-Tribromophenol	212	*	15 (44) - 110 (137)	141%	SPK: 150
1718-51-0	Terphenyl-d14	181	*	30 (48) - 130 (125)	181%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	215000	6.904			
1146-65-2	Naphthalene-d8	812000	8.187			
15067-26-2	Acenaphthene-d10	266000	9.939			
1517-22-2	Phenanthrene-d10	612000	11.428			
1719-03-5	Chrysene-d12	155000	14.063			
1520-96-3	Perylene-d12	3230	15.551			

Raw Data: **BF142280.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-10	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
BF142280.D	1	04/30/25 13:15	05/02/25 13:53	PB167810

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

Raw Data: **BP024529.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB02RE	SDG No.:	Q1901
Lab Sample ID:	Q1901-10RE	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
BP024529.D	1	04/30/25 13:15	05/05/25 17:26	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	115		15 (10) - 110 (139)	77%	SPK: 150
13127-88-3	Phenol-d6	41.6		15 (10) - 110 (134)	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.0		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	314	*	30 (52) - 130 (132)	313%	SPK: 100
118-79-6	2,4,6-Tribromophenol	554	*	15 (44) - 110 (137)	369%	SPK: 150
1718-51-0	Terphenyl-d14	902	*	30 (48) - 130 (125)	902%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	7.711			
1146-65-2	Naphthalene-d8	625000	10.481			
15067-26-2	Acenaphthene-d10	112000	14.34			
1517-22-2	Phenanthrene-d10	431000	17.145			
1719-03-5	Chrysene-d12	43400	21.586			
1520-96-3	Perylene-d12	0	0			

Raw Data: **BP024529.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	04/28/25
Client Sample ID:	B-167-SB02RE			SDG No.:	Q1901
Lab Sample ID:	Q1901-10RE			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
BP024529.D	1	04/30/25 13:15	05/05/25 17:26	PB167810

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

Raw Data: **BF142281.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-11	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
BF142281.D	1	04/30/25 13:15	05/02/25 14:22	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	94.4		15 (10) - 110 (139)	63%	SPK: 150
13127-88-3	Phenol-d6	88.5		15 (10) - 110 (134)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.5		30 (49) - 130 (133)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		30 (52) - 130 (132)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	120		15 (44) - 110 (137)	80%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		30 (48) - 130 (125)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	214000	6.904			
1146-65-2	Naphthalene-d8	820000	8.187			
15067-26-2	Acenaphthene-d10	418000	9.939			
1517-22-2	Phenanthrene-d10	705000	11.428			
1719-03-5	Chrysene-d12	440000	14.063			
1520-96-3	Perylene-d12	313000	15.551			

Raw Data: **BF142281.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-11	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
BF142281.D	1	04/30/25 13:15	05/02/25 14:22	PB167810

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

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167774TB	PB167774TB	2-Fluorophenol	150	116	78		15 (10)	110 (139)
		Phenol-d6	150	116	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.3	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	72.1	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	131	87		15 (44)	110 (137)
		Terphenyl-d14	100	67.9	68		30 (48)	130 (125)
PB167810BL	PB167810BL	2-Fluorophenol	150	110	73		15 (10)	110 (139)
		Phenol-d6	150	109	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	83.3	83		30 (49)	130 (133)
		2-Fluorobiphenyl	100	69.1	69		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	124	83		15 (44)	110 (137)
		Terphenyl-d14	100	63.3	63		30 (48)	130 (125)
PB167810BS	PB167810BS	2-Fluorophenol	150	111	74		15 (10)	110 (139)
		Phenol-d6	150	113	75		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.4	82		30 (49)	130 (133)
		2-Fluorobiphenyl	100	68.5	69		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	132	88		15 (44)	110 (137)
		Terphenyl-d14	100	74.1	74		30 (48)	130 (125)
Q1901-08	B-167-SB01	2-Fluorophenol	150	103	69		15 (10)	110 (139)
		Phenol-d6	150	95.9	64		15 (10)	110 (134)
		Nitrobenzene-d5	100	88.3	88		30 (49)	130 (133)
		2-Fluorobiphenyl	100	69.9	70		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	139	92		15 (44)	110 (137)
		Terphenyl-d14	100	68.1	68		30 (48)	130 (125)
Q1901-08MS	B-167-SB01MS	2-Fluorophenol	150	96.6	64		15 (10)	110 (139)
		Phenol-d6	150	89.8	60		15 (10)	110 (134)
		Nitrobenzene-d5	100	84.0	84		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.7	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	126	84		15 (44)	110 (137)
		Terphenyl-d14	100	70.4	70		30 (48)	130 (125)
Q1901-08MSD	B-167-SB01MSD	2-Fluorophenol	150	99.4	66		15 (10)	110 (139)
		Phenol-d6	150	92.8	62		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.8	88		30 (49)	130 (133)
		2-Fluorobiphenyl	100	72.3	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	133	88		15 (44)	110 (137)
		Terphenyl-d14	100	72.8	73		30 (48)	130 (125)
Q1901-09	B-170-SB01	2-Fluorophenol	150	101	67		15 (10)	110 (139)
		Phenol-d6	150	92.9	62		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.7	88		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.7	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	130	87		15 (44)	110 (137)
		Terphenyl-d14	100	72.5	72		30 (48)	130 (125)
Q1901-10	B-167-SB02	2-Fluorophenol	150	101	67		15 (10)	110 (139)
		Phenol-d6	150	70.4	47		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.2	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	114	114		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	212	141	*	15 (44)	110 (137)
		Terphenyl-d14	100	181	181	*	30 (48)	130 (125)
Q1901-10RE	B-167-SB02RE	2-Fluorophenol	150	115	77		15 (10)	110 (139)
		Phenol-d6	150	41.6	28		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.0	93		30 (49)	130 (133)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1901-10RE	B-167-SB02RE	2-Fluorobiphenyl	100	314	313	*	30 (52)	130 (132)
		2,4,6-Tribromophenol	150	554	369	*	15 (44)	110 (137)
		Terphenyl-d14	100	902	902	*	30 (48)	130 (125)
Q1901-11	B-170-SB02	2-Fluorophenol	150	94.4	63		15 (10)	110 (139)
		Phenol-d6	150	88.5	59		15 (10)	110 (134)
		Nitrobenzene-d5	100	79.5	79		30 (49)	130 (133)
		2-Fluorobiphenyl	100	67.6	68		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	120	80		15 (44)	110 (137)
		Terphenyl-d14	100	63.8	64		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1901-08MS		**Client Sample ID:** B-167-SB01MS						**DataFile:** BF142277.D			
Pyridine	500	24.1	270	ug/L	49				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	340	ug/L	68	*			70 (55)	130 (125)	
2-Methylphenol	500	0	360	ug/L	72				70 (60)	130 (131)	
3+4-Methylphenols	500	0	360	ug/L	72				20 (54)	160 (136)	
Hexachloroethane	500	0	350	ug/L	70				20 (19)	160 (146)	
Nitrobenzene	500	0	440	ug/L	88				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	380	ug/L	76				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	470	ug/L	94				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	460	ug/L	92				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	500	ug/L	100				70 (74)	130 (137)	
Hexachlorobenzene	500	0	440	ug/L	88				70 (72)	130 (115)	
Pentachlorophenol	1000	0	940	ug/L	94				20 (52)	160 (162)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1901-08MSD		**Client Sample ID:** B-167-SB01MSD						**DataFile:** BF142278.D			
Pyridine	500	24.1	280	ug/L	51		4		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	340	ug/L	68	*	0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	370	ug/L	74		3		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	370	ug/L	74		3		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	370	ug/L	74		6		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	460	ug/L	92		4		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	390	ug/L	78		3		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	480	ug/L	96		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	470	ug/L	94		2		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	530	ug/L	106		6		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	450	ug/L	90		2		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	970	ug/L	97		3		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BF142255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167810BS	Pyridine	50	37.2	ug/L	74				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	39.6	ug/L	79				70 (76)	130 (103)	
	2-Methylphenol	50	41.0	ug/L	82				70 (69)	130 (109)	
	3+4-Methylphenols	50	40.8	ug/L	82				20 (67)	160 (106)	
	Hexachloroethane	50	41.8	ug/L	84				20 (76)	160 (118)	
	Nitrobenzene	50	45.8	ug/L	92				70 (58)	130 (106)	
	Hexachlorobutadiene	50	41.5	ug/L	83				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	43.4	ug/L	87				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	44.9	ug/L	90				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	49.8	ug/L	100				70 (60)	130 (115)	
	Hexachlorobenzene	50	41.6	ug/L	83				70 (73)	130 (106)	
	Pentachlorophenol	100	93.4	ug/L	93				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167810BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142254.D Lab Sample ID: PB167810BL

Instrument ID: BNA_F Date Extracted: 04/30/2025

Matrix: (soil/water) water Date Analyzed: 05/01/2025

Level: (low/med) LOW Time Analyzed: 12:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167810BS	PB167810BS	BF142255.D	05/01/2025
B-167-SB01	Q1901-08	BF142276.D	05/02/2025
B-167-SB01MS	Q1901-08MS	BF142277.D	05/02/2025
B-167-SB01MSD	Q1901-08MSD	BF142278.D	05/02/2025
B-170-SB01	Q1901-09	BF142279.D	05/02/2025
B-167-SB02	Q1901-10	BF142280.D	05/02/2025
B-170-SB02	Q1901-11	BF142281.D	05/02/2025
PB167774TB	PB167774TB	BF142256.D	05/01/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142238.D DFTPP Injection Date: 04/30/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	37.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142239.D	04/30/2025	11:24
SSTDICC005	SSTDICC005	BF142240.D	04/30/2025	11:52
SSTDICC010	SSTDICC010	BF142241.D	04/30/2025	12:20
SSTDICC020	SSTDICC020	BF142242.D	04/30/2025	12:49
SSTDICCC040	SSTDICCC040	BF142243.D	04/30/2025	13:17
SSTDICC050	SSTDICC050	BF142244.D	04/30/2025	13:46
SSTDICC060	SSTDICC060	BF142245.D	04/30/2025	14:15
SSTDICC080	SSTDICC080	BF142246.D	04/30/2025	14:43

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142249.D DFTPP Injection Date: 05/01/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.4
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	5.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142250.D	05/01/2025	10:17
PB167810BL	PB167810BL	BF142254.D	05/01/2025	12:10
PB167810BS	PB167810BS	BF142255.D	05/01/2025	12:39
PB167774TB	PB167774TB	BF142256.D	05/01/2025	13:07

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BF142273.D DFTPP Injection Date: 05/02/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.7
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	37.6
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	23.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BF142274.D	05/02/2025	10:39
B-167-SB01	Q1901-08	BF142276.D	05/02/2025	11:58
B-167-SB01MS	Q1901-08MS	BF142277.D	05/02/2025	12:27
B-167-SB01MSD	Q1901-08MSD	BF142278.D	05/02/2025	12:55
B-170-SB01	Q1901-09	BF142279.D	05/02/2025	13:24
B-167-SB02	Q1901-10	BF142280.D	05/02/2025	13:53
B-170-SB02	Q1901-11	BF142281.D	05/02/2025	14:22

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
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	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.1
443	15.0 - 24.0% of mass 442	19.2 (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	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1901 SDG NO.: Q1901

Lab File ID: BP024521.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.8
68	Less than 2.0% of mass 69	0.2 (1.1) 1
69	Mass 69 relative abundance	23.1
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024522.D	05/05/2025	12:38
B-167-SB02RE	Q1901-10RE	BP024529.D	05/05/2025	17:26

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	186578	6.91	719586	8.19	381198	9.95
	UPPER LIMIT	373156	7.41	1439170	8.692	762396	10.445
	LOWER LIMIT	93289	6.41	359793	7.692	190599	9.445
	EPA SAMPLE NO.						
01	PB167774TB	217516	6.90	839699	8.19	443070	9.95
02	PB167810BL	223997	6.90	857825	8.19	449926	9.95
03	PB167810BS	228833	6.91	892782	8.19	472284	9.95

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BF142250.D Time Analyzed: 10:17

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	647816	11.433	384442	14.074	349272	15.562
	UPPER LIMIT	1295630	11.933	768884	14.574	698544	16.062
	LOWER LIMIT	323908	10.933	192221	13.574	174636	15.062
	EPA SAMPLE NO.						
01	PB167774TB	773002	11.43	539235	14.07	394051	15.56
02	PB167810BL	794711	11.43	568207	14.07	404816	15.56
03	PB167810BS	804874	11.43	464382	14.07	446826	15.57

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BF142274.D Time Analyzed: 10:39

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	189457	6.91	747235	8.19	389025	9.95
	UPPER LIMIT	378914	7.41	1494470	8.692	778050	10.445
	LOWER LIMIT	94728.5	6.41	373618	7.692	194513	9.445
	EPA SAMPLE NO.						
01	B-167-SB01	222553	6.91	840174	8.19	447329	9.94
02	B-167-SB01MS	212656	6.91	808361	8.19	402059	9.95
03	B-167-SB01MSD	217028	6.91	832936	8.19	419407	9.95
04	B-170-SB01	207050	6.91	786560	8.19	402861	9.94
05	B-167-SB02	215163	6.90	812217	8.19	266125	9.94
06	B-170-SB02	213953	6.90	820195	8.19	417687	9.94

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.

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BF142274.D Time Analyzed: 10:39

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	652685	11.427	354752		14.068	327562		15.557
	UPPER LIMIT	1305370	11.927	709504		14.568	655124		16.057
	LOWER LIMIT	326343	10.927	177376		13.568	163781		15.057
	EPA SAMPLE NO.								
01	B-167-SB01	769739	11.43	529430		14.07	393063		15.56
02	B-167-SB01MS	629997	11.43	370460		14.07	379220		15.56
03	B-167-SB01MSD	684254	11.43	400079		14.07	401381		15.56
04	B-170-SB01	662438	11.43	411304		14.07	344110		15.56
05	B-167-SB02	611583	11.43	154727	*	14.06	3229	*	15.55
06	B-170-SB02	704817	11.43	439553		14.06	313049		15.55

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BP024522.D Time Analyzed: 12:38

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	132437	7.705	539349	10.48	358648	14.34
	UPPER LIMIT	264874	8.205	1078700	10.975	717296	14.84
	LOWER LIMIT	66218.5	7.205	269675	9.975	179324	13.84
	EPA SAMPLE NO.						
01	B-167-SB02RE	159015	7.71	625316	10.48	112223 *	14.34

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BP024522.D Time Analyzed: 12:38

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	715330	17.151	882732	21.604	1072390	24.927
	UPPER LIMIT	1430660	17.651	1765460	22.104	2144780	25.427
	LOWER LIMIT	357665	16.651	441366	21.104	536195	24.427
	EPA SAMPLE NO.						
01	B-167-SB02RE	431364	17.15	43410 *	21.59	0 *	0.00 *

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

Raw Data: **BF142254.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167810BL	SDG No.:	Q1901
Lab Sample ID:	PB167810BL	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
BF142254.D	1	04/30/25 13:15	05/01/25 12:10	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	110		15 (10) - 110 (139)	73%	SPK: 150
13127-88-3	Phenol-d6	109		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		30 (49) - 130 (133)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.1		30 (52) - 130 (132)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		15 (44) - 110 (137)	83%	SPK: 150
1718-51-0	Terphenyl-d14	63.3		30 (48) - 130 (125)	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	224000	6.904			
1146-65-2	Naphthalene-d8	858000	8.187			
15067-26-2	Acenaphthene-d10	450000	9.945			
1517-22-2	Phenanthrene-d10	795000	11.428			
1719-03-5	Chrysene-d12	568000	14.069			
1520-96-3	Perylene-d12	405000	15.563			

Raw Data: **BF142254.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167810BL			SDG No.:	Q1901
Lab Sample ID:	PB167810BL			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
BF142254.D	1	04/30/25 13:15	05/01/25 12:10	PB167810

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

Raw Data: **BF142255.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167810BS	SDG No.:	Q1901
Lab Sample ID:	PB167810BS	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
BF142255.D	1	04/30/25 13:15	05/01/25 12:39	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	37.2		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	39.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	41.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	41.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	45.8		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	43.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.9		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.8		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	41.6		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	93.4	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	111		15 (10) - 110 (139)	74%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		30 (49) - 130 (133)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		30 (52) - 130 (132)	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	74.1		30 (48) - 130 (125)	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	229000	6.91			
1146-65-2	Naphthalene-d8	893000	8.192			
15067-26-2	Acenaphthene-d10	472000	9.945			
1517-22-2	Phenanthrene-d10	805000	11.433			
1719-03-5	Chrysene-d12	464000	14.074			
1520-96-3	Perylene-d12	447000	15.568			

Raw Data: **BF142255.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167810BS			SDG No.:	Q1901
Lab Sample ID:	PB167810BS			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
BF142255.D	1	04/30/25 13:15	05/01/25 12:39	PB167810

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

Raw Data: **BF142277.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-08MS	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
BF142277.D	1	04/30/25 13:15	05/02/25 12:27	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		5.30	50.0	ug/L
95-48-7	2-Methylphenol	360		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	360		11.0	100	ug/L
67-72-1	Hexachloroethane	350		6.50	50.0	ug/L
98-95-3	Nitrobenzene	440		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	380		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	460		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	500		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	440		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	940	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	96.6		15 (10) - 110 (139)	64%	SPK: 150
13127-88-3	Phenol-d6	89.8		15 (10) - 110 (134)	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.0		30 (49) - 130 (133)	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.7		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	70.4		30 (48) - 130 (125)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	213000	6.91			
1146-65-2	Naphthalene-d8	808000	8.193			
15067-26-2	Acenaphthene-d10	402000	9.945			
1517-22-2	Phenanthrene-d10	630000	11.433			
1719-03-5	Chrysene-d12	370000	14.069			
1520-96-3	Perylene-d12	379000	15.557			

Raw Data: **BF142277.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MS	SDG No.:	Q1901
Lab Sample ID:	Q1901-08MS	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
BF142277.D	1	04/30/25 13:15	05/02/25 12:27	PB167810

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

Raw Data: **BF142278.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-08MSD	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
BF142278.D	1	04/30/25 13:15	05/02/25 12:55	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	280		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	340		5.30	50.0	ug/L
95-48-7	2-Methylphenol	370		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	370		11.0	100	ug/L
67-72-1	Hexachloroethane	370		6.50	50.0	ug/L
98-95-3	Nitrobenzene	460		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	530		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	970	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	99.4		15 (10) - 110 (139)	66%	SPK: 150
13127-88-3	Phenol-d6	92.8		15 (10) - 110 (134)	62%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		30 (49) - 130 (133)	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		30 (52) - 130 (132)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		15 (44) - 110 (137)	88%	SPK: 150
1718-51-0	Terphenyl-d14	72.8		30 (48) - 130 (125)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	217000	6.91			
1146-65-2	Naphthalene-d8	833000	8.193			
15067-26-2	Acenaphthene-d10	419000	9.945			
1517-22-2	Phenanthrene-d10	684000	11.433			
1719-03-5	Chrysene-d12	400000	14.069			
1520-96-3	Perylene-d12	401000	15.563			

Raw Data: **BF142278.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1901
Lab Sample ID:	Q1901-08MSD	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
BF142278.D	1	04/30/25 13:15	05/02/25 12:55	PB167810

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
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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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142239.D 5 =BF142240.D 10 =BF142241.D 20 =BF142242.D 40 =BF142243.D 50 =BF142244.D 60 =BF142245.D 80 =BF1422
46.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.563	0.534	0.561	0.592	0.580	0.555	0.530	0.559	4.03
3)		Pyridine		1.465	1.391	1.454	1.522	1.503	1.460	1.380	1.454	3.62
4)		n-Nitrosodimet...		0.747	0.699	0.728	0.807	0.789	0.766	0.731	0.752	4.95
5)	S	2-Fluorophenol		1.324	1.238	1.265	1.314	1.285	1.210	1.131	1.252	5.35
6)		Aniline		2.212	2.085	2.157	2.245	2.203	2.101	1.981	2.140	4.29
7)	S	Phenol-d6		1.559	1.505	1.534	1.593	1.550	1.475	1.370	1.512	4.85
8)		2-Chlorophenol		1.252	1.232	1.304	1.379	1.354	1.313	1.225	1.294	4.64
9)		Benzaldehyde		1.154	1.088	1.095	1.117	1.078	0.993	0.875	1.057	8.91
10)	C	Phenol		1.679	1.588	1.657	1.715	1.687	1.603	1.468	1.628	5.15
11)		bis(2-Chloroet...		1.345	1.250	1.270	1.318	1.285	1.231	1.132	1.262	5.46
12)		1,3-Dichlorobe...		1.571	1.485	1.485	1.533	1.478	1.396	1.299	1.464	6.18
13)	C	1,4-Dichlorobe...		1.610	1.486	1.495	1.546	1.488	1.404	1.295	1.475	6.86
14)		1,2-Dichlorobe...		1.489	1.418	1.431	1.475	1.432	1.356	1.255	1.408	5.67
15)		Benzyl Alcohol		1.047	1.017	1.064	1.149	1.126	1.082	1.023	1.073	4.69
16)		2,2'-oxybis(1-...		2.368	2.287	2.303	2.386	2.344	2.216	2.043	2.278	5.19
17)		2-Methylphenol		1.085	1.029	1.068	1.121	1.084	1.050	0.983	1.060	4.19
18)		Hexachloroethane		0.468	0.466	0.481	0.511	0.514	0.489	0.451	0.483	4.84
19)	P	n-Nitroso-di-n...	0.953	0.987	0.937	0.949	0.967	0.939	0.898	0.844	0.934	4.77
20)		3+4-Methylphenols		1.357	1.323	1.372	1.400	1.366	1.296	1.166	1.326	5.90
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.511	0.482	0.483	0.468	0.461	0.430	0.404	0.463	7.70
23)	S	Nitrobenzene-d5		0.217	0.251	0.302	0.340	0.351	0.339	0.330	0.304	16.88
24)		Nitrobenzene		0.229	0.261	0.297	0.328	0.338	0.323	0.314	0.299	13.31
25)		Isophorone		0.660	0.630	0.642	0.660	0.654	0.626	0.601	0.639	3.36
26)	C	2-Nitrophenol		0.048	0.057	0.083	0.115	0.132	0.136	0.142	0.102	38.38#
27)		2,4-Dimethylph...		0.315	0.319	0.333	0.337	0.333	0.315	0.302	0.322	3.96
28)		bis(2-Chloroet...		0.425	0.404	0.414	0.415	0.410	0.386	0.366	0.403	4.98
29)	C	2,4-Dichloroph...		0.246	0.253	0.274	0.291	0.286	0.272	0.263	0.269	6.12
30)		1,2,4-Trichlor...		0.320	0.303	0.305	0.312	0.304	0.287	0.273	0.301	5.28
31)		Naphthalene		1.106	1.040	1.035	1.020	0.999	0.924	0.858	0.997	8.21
32)		Benzoic acid			0.048	0.087	0.130	0.146	0.159	0.179	0.125	39.24
33)		4-Chloroaniline		0.446	0.414	0.429	0.429	0.423	0.396	0.371	0.415	5.98
34)	C	Hexachlorobuta...		0.180	0.175	0.179	0.185	0.178	0.170	0.161	0.175	4.35
35)		Caprolactam		0.068	0.073	0.081	0.087	0.089	0.085	0.083	0.081	9.45
36)	C	4-Chloro-3-met...		0.262	0.265	0.279	0.295	0.293	0.276	0.266	0.277	4.84
37)		2-Methylnaphth...		0.679	0.637	0.633	0.623	0.612	0.574	0.534	0.613	7.69
38)		1-Methylnaphth...		0.700	0.655	0.667	0.652	0.641	0.590	0.542	0.635	8.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.621	0.575	0.572	0.576	0.566	0.534	0.496	0.563	6.88
41)	P	Hexachlorocycl...	0.244	0.265	0.306	0.352	0.368	0.358	0.343	0.319	15.23
42)	S	2,4,6-Tribromo...	0.139	0.158	0.184	0.204	0.205	0.197	0.190	0.182	13.73
43)	C	2,4,6-Trichlor...	0.275	0.329	0.353	0.370	0.375	0.381	0.357	0.349	10.50
44)		2,4,5-Trichlor...	0.322	0.330	0.362	0.404	0.411	0.371	0.365	0.367	9.17
45)	S	2-Fluorobiphenyl	1.738	1.580	1.520	1.409	1.347	1.221	1.114	1.418	15.11
46)		1,1'-Biphenyl	1.773	1.621	1.612	1.581	1.547	1.435	1.316	1.555	9.38
47)		2-Chloronaphth...	1.289	1.176	1.191	1.185	1.157	1.085	1.014	1.157	7.51
48)		2-Nitroaniline	0.119	0.156	0.228	0.295	0.316	0.315	0.316	0.249	33.25
49)		Acenaphthylene	2.149	2.025	2.025	1.997	1.965	1.828	1.675	1.952	7.93
50)		Dimethylphthalate	1.362	1.284	1.301	1.321	1.309	1.227	1.152	1.280	5.42
51)		2,6-Dinitrotol...	0.098	0.137	0.193	0.241	0.259	0.254	0.249	0.204	31.45
52)	C	Acenaphthene	1.271	1.175	1.156	1.172	1.138	1.072	0.995	1.140	7.63
53)		3-Nitroaniline	0.143	0.187	0.252	0.298	0.311	0.310	0.299	0.257	26.09
54)	P	2,4-Dinitrophenol		0.025	0.036	0.057	0.069	0.076	0.085	0.058	40.36
55)		Dibenzofuran	1.930	1.775	1.751	1.743	1.713	1.581	1.466	1.709	8.67
56)	P	4-Nitrophenol		0.131	0.177	0.216	0.233	0.230	0.220	0.201	19.82
57)		2,4-Dinitrotol...	0.104	0.145	0.213	0.285	0.311	0.309	0.306	0.239	35.96
58)		Fluorene	1.493	1.403	1.351	1.317	1.273	1.186	1.071	1.299	10.74
59)		2,3,4,6-Tetrac...	0.252	0.267	0.312	0.334	0.334	0.323	0.305	0.304	10.65
60)		Diethylphthalate	1.324	1.264	1.302	1.313	1.300	1.215	1.126	1.263	5.61
61)		4-Chlorophenyl...	0.702	0.642	0.632	0.632	0.614	0.570	0.526	0.617	9.06
62)		4-Nitroaniline	0.144	0.177	0.233	0.272	0.287	0.281	0.269	0.238	23.57
63)		Azobenzene	1.346	1.260	1.275	1.279	1.278	1.198	1.098	1.248	6.33
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.022	0.034	0.055	0.065	0.071	0.075	0.054	39.23
66)	c	n-Nitrosodiphe...	0.727	0.686	0.693	0.712	0.689	0.653	0.623	0.683	5.11
67)		4-Bromophenyl-...	0.224	0.219	0.223	0.236	0.225	0.220	0.211	0.223	3.39
68)		Hexachlorobenzene	0.256	0.245	0.248	0.261	0.255	0.244	0.237	0.249	3.28
69)		Atrazine	0.166	0.172	0.186	0.190	0.190	0.182	0.174	0.180	5.29
70)	C	Pentachlorophenol		0.093	0.121	0.144	0.145	0.144	0.144	0.132	16.25
71)		Phenanthrene	1.218	1.114	1.119	1.112	1.064	0.995	0.940	1.080	8.45
72)		Anthracene	1.209	1.161	1.151	1.128	1.099	1.025	0.959	1.105	7.77
73)		Carbazole	1.125	1.047	1.061	1.033	0.996	0.935	0.857	1.008	8.77
74)		Di-n-butylphth...	0.986	1.006	1.088	1.069	1.045	0.988	0.912	1.013	5.88
75)	C	Fluoranthene	1.221	1.144	1.155	1.085	1.035	0.957	0.878	1.068	11.24
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.702	0.748	0.885	0.963	0.945	0.895	0.810	0.850	11.67
78)		Pyrene	1.833	1.801	1.849	2.026	1.937	1.833	1.635	1.845	6.54
79)	S	Terphenyl-d14	1.472	1.413	1.422	1.481	1.392	1.290	1.155	1.375	8.41
80)		Butylbenzylpht...	0.218	0.293	0.405	0.505	0.525	0.524	0.509	0.425	29.32
81)		Benzo(a)anthra...	1.379	1.320	1.332	1.438	1.388	1.316	1.225	1.343	5.06
82)		3,3'-Dichlorob...	0.286	0.317	0.380	0.442	0.450	0.451	0.435	0.394	17.37
83)		Chrysene	1.302	1.210	1.249	1.232	1.227	1.197	1.138	1.222	4.12
84)		Bis(2-ethylhex...	0.384	0.448	0.549	0.695	0.726	0.722	0.707	0.604	23.69
85)	c	Di-n-octyl pht...		0.668	0.875	1.262	1.320	1.347	1.329	1.133	25.55

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.323	1.384	1.466	1.613	1.556	1.490	1.422	1.465	6.78
88)		Benzo(b)fluora...	1.317	1.220	1.208	1.302	1.271	1.177	1.202	1.242	4.36
89)		Benzo(k)fluora...	1.211	1.159	1.222	1.145	1.146	1.110	0.962	1.136	7.59
90)	C	Benzo(a)pyrene	1.121	1.098	1.146	1.203	1.180	1.137	1.076	1.137	3.91
91)		Dibenzo(a,h)an...	1.075	1.131	1.197	1.312	1.271	1.192	1.144	1.189	6.90
92)		Benzo(g,h,i)pe...	1.076	1.138	1.204	1.308	1.267	1.213	1.162	1.195	6.55

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.454	1.532		5.4	
2-Fluorophenol	1.252	1.250		-0.2	
Phenol-d6	1.512	1.575		4.2	
1,4-Dichlorobenzene	1.475	1.526		3.5	20.0
2-Methylphenol	1.060	1.103		4.1	
3+4-Methylphenols	1.326	1.404		5.9	
Nitrobenzene-d5	0.304	0.333		9.5	
Hexachloroethane	0.483	0.505		4.6	
Nitrobenzene	0.299	0.320		7.0	
Hexachlorobutadiene	0.175	0.186		6.3	20.0
2,4,6-Trichlorophenol	0.349	0.354		1.4	20.0
2-Fluorobiphenyl	1.418	1.409		-0.6	
2,4,5-Trichlorophenol	0.367	0.386		5.2	
2,4-Dinitrotoluene	0.239	0.289		20.9	
2,4,6-Tribromophenol	0.182	0.196		7.7	
Hexachlorobenzene	0.249	0.257		3.2	
Pentachlorophenol	0.132	0.137		3.8	20.0
Terphenyl-d14	1.375	1.422		3.4	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date/Time: 05/02/2025 10:39

Lab File ID: BF142274.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.454	1.384		-4.8	
2-Fluorophenol	1.252	1.195		-4.6	
Phenol-d6	1.512	1.457		-3.6	
1,4-Dichlorobenzene	1.475	1.364		-7.5	20.0
2-Methylphenol	1.060	1.005		-5.2	
3+4-Methylphenols	1.326	1.295		-2.3	
Nitrobenzene-d5	0.304	0.332		9.2	
Hexachloroethane	0.483	0.473		-2.1	
Nitrobenzene	0.299	0.315		5.4	
Hexachlorobutadiene	0.175	0.164		-6.3	20.0
2,4,6-Trichlorophenol	0.349	0.360		3.2	20.0
2-Fluorobiphenyl	1.418	1.293		-8.8	
2,4,5-Trichlorophenol	0.367	0.363		-1.1	
2,4-Dinitrotoluene	0.239	0.314		31.4	
2,4,6-Tribromophenol	0.182	0.190		4.4	
Hexachlorobenzene	0.249	0.232		-6.8	
Pentachlorophenol	0.132	0.137		3.8	20.0
Terphenyl-d14	1.375	1.344		-2.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_P Calibration Date/Time: 05/05/2025 12:38

Lab File ID: BP024522.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.351	1.195		-11.5	
2-Fluorophenol	1.210	1.171		-3.2	
Phenol-d6	1.656	1.555		-6.1	
1,4-Dichlorobenzene	1.475	1.397		-5.3	20.0
2-Methylphenol	1.075	1.030		-4.2	
3+4-Methylphenols	1.491	1.423		-4.6	
Nitrobenzene-d5	0.351	0.347		-1.1	
Hexachloroethane	0.533	0.505		-5.3	
Nitrobenzene	0.347	0.332		-4.3	
Hexachlorobutadiene	0.183	0.193		5.5	20.0
2,4,6-Trichlorophenol	0.366	0.371		1.4	20.0
2-Fluorobiphenyl	1.306	1.264		-3.2	
2,4,5-Trichlorophenol	0.405	0.407		0.5	
2,4-Dinitrotoluene	0.421	0.437		3.8	
2,4,6-Tribromophenol	0.277	0.323		16.6	
Hexachlorobenzene	0.260	0.274		5.4	
Pentachlorophenol	0.181	0.195		7.7	20.0
Terphenyl-d14	0.992	0.960		-3.2	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142256.D
Acq On : 01 May 2025 13:07
Operator : RC/JU
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Quant Time: May 01 13:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

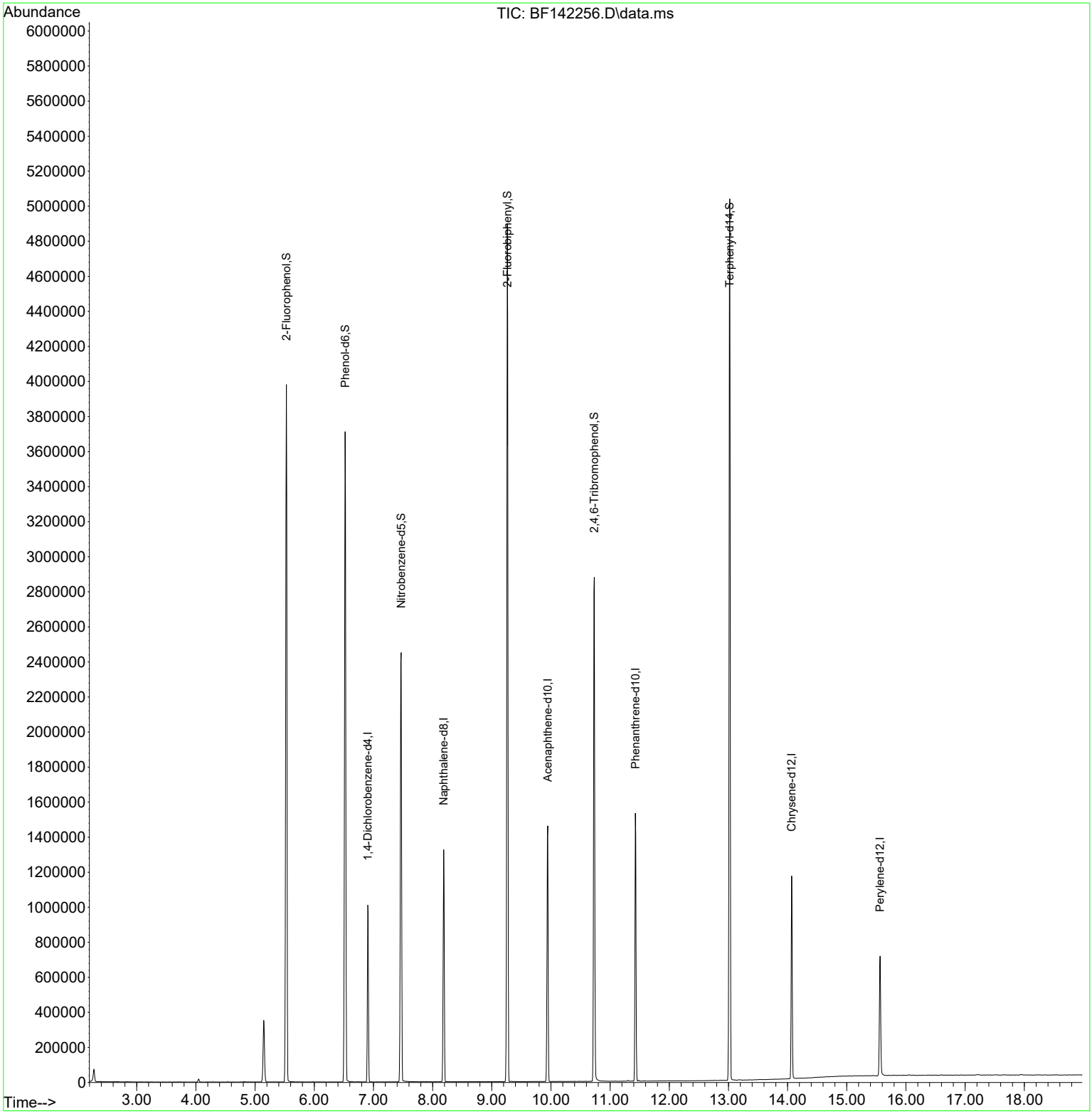
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	217516	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	839699	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	443070	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	773002	20.000	ng	0.00
76) Chrysene-d12	14.068	240	539235	20.000	ng	0.00
86) Perylene-d12	15.562	264	394051	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1585580	116.418	ng	0.01
7) Phenol-d6	6.522	99	1907914	116.005	ng	0.00
23) Nitrobenzene-d5	7.469	82	1116409	87.347	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	529459	131.080	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2264475	72.061	ng	0.00
79) Terphenyl-d14	13.021	244	2518381	67.925	ng	0.00
Target Compounds						Qvalue

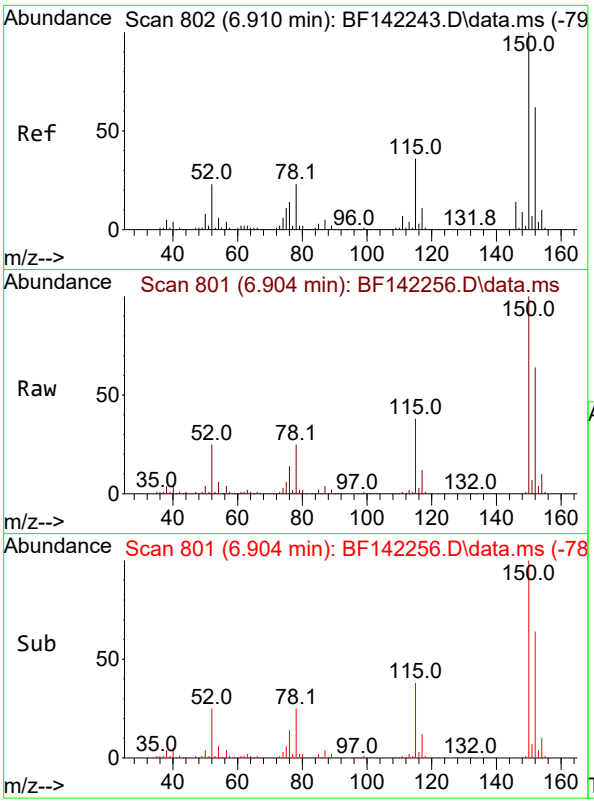
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142256.D
Acq On : 01 May 2025 13:07
Operator : RC/JU
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Quant Time: May 01 13:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



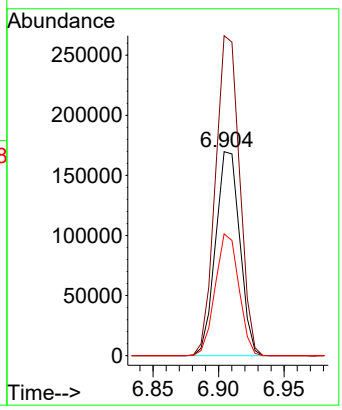


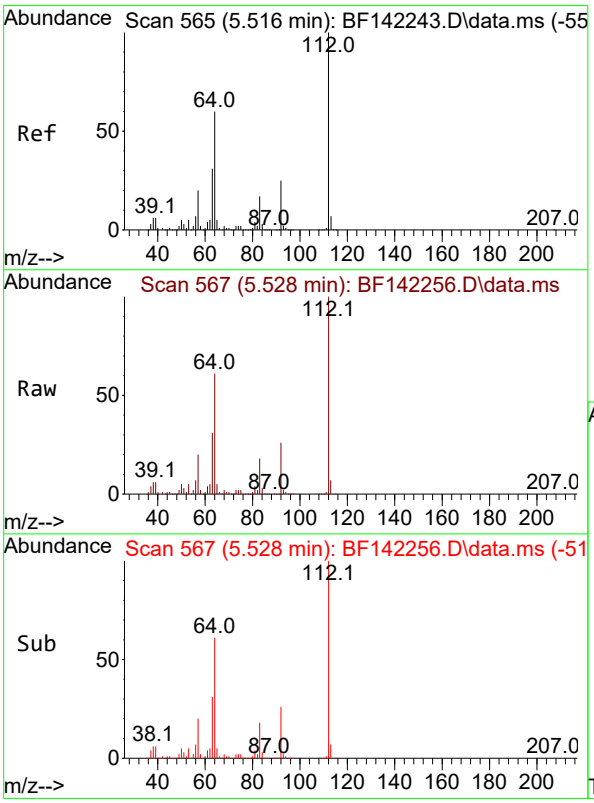
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:152 Resp: 217516

Ion	Ratio	Lower	Upper
152	100		
150	156.9	130.2	195.2
115	59.7	47.0	70.4

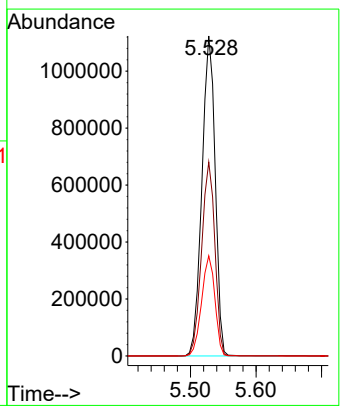


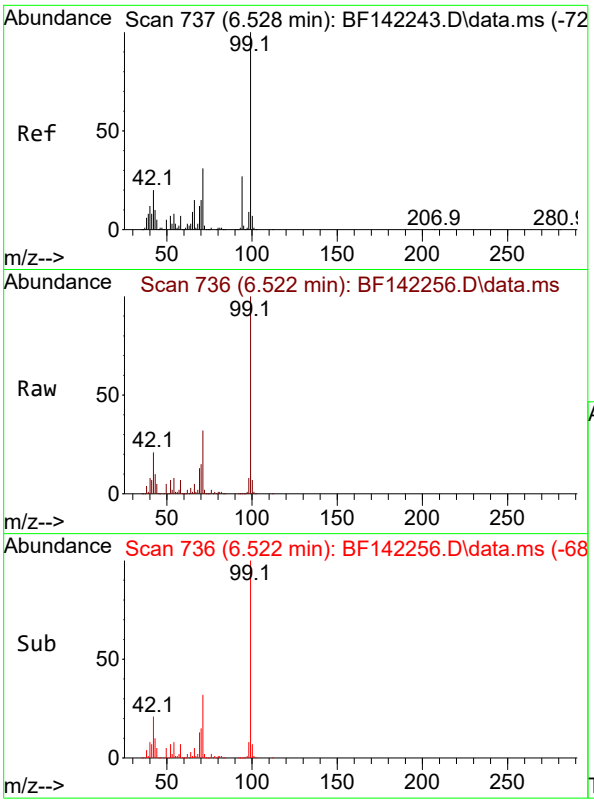


#5
2-Fluorophenol
Concen: 116.418 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:112 Resp: 1585580

Ion	Ratio	Lower	Upper
112	100		
64	60.6	48.4	72.6
63	31.3	24.8	37.2



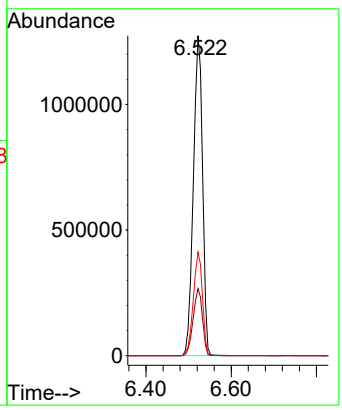


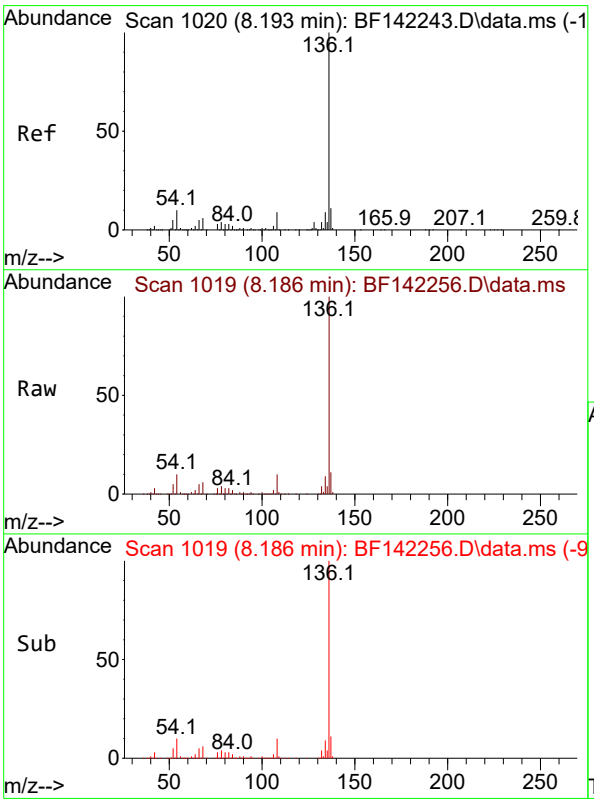
#7
Phenol-d6
Concen: 116.005 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion: 99 Resp: 1907914

Ion	Ratio	Lower	Upper
99	100		
42	21.0	16.3	24.5
71	32.3	25.0	37.4

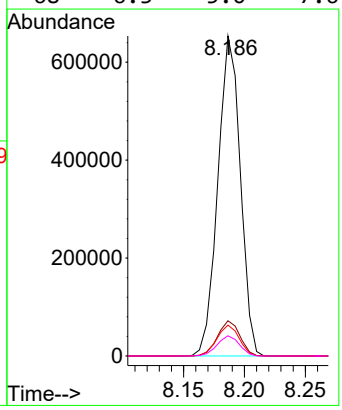




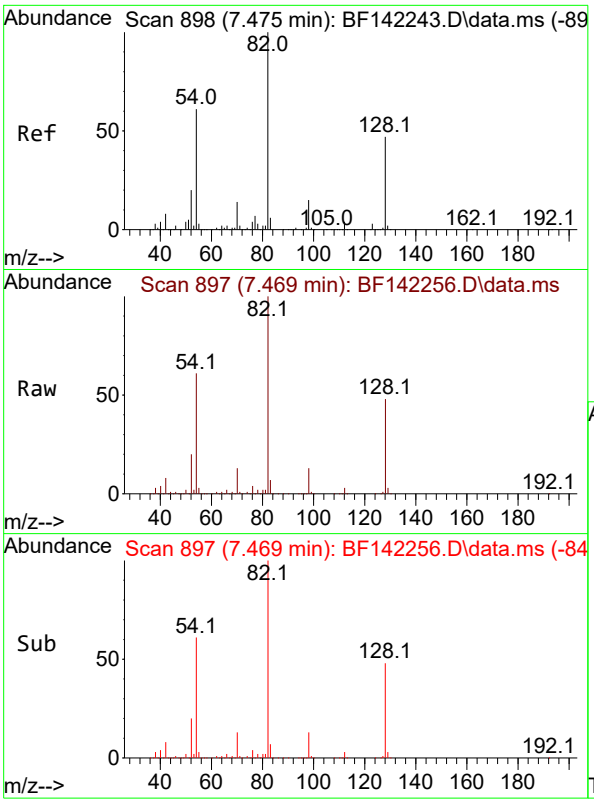
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:136 Resp: 839699

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6



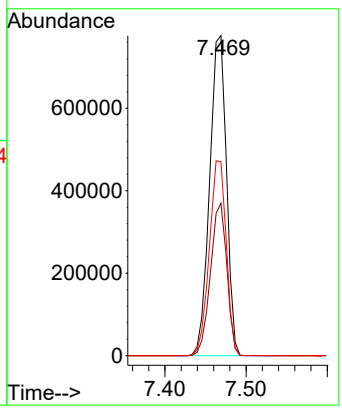
Instrument :
BNA_F
ClientSampleId :
PB167774TB

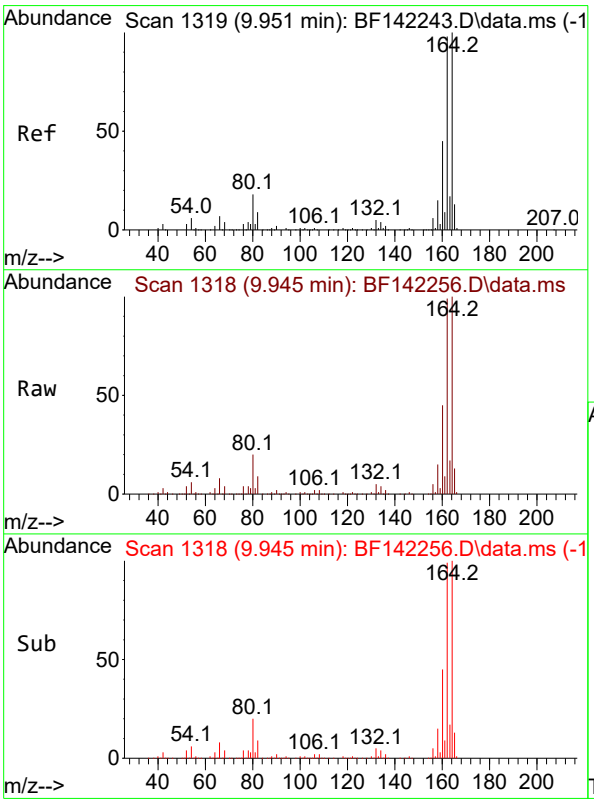


#23
Nitrobenzene-d5
Concen: 87.347 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion: 82 Resp: 1116409

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.0	55.6
54	60.6	48.0	72.0

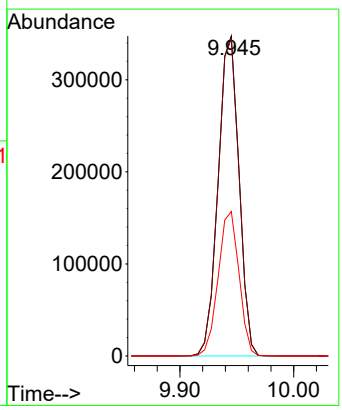


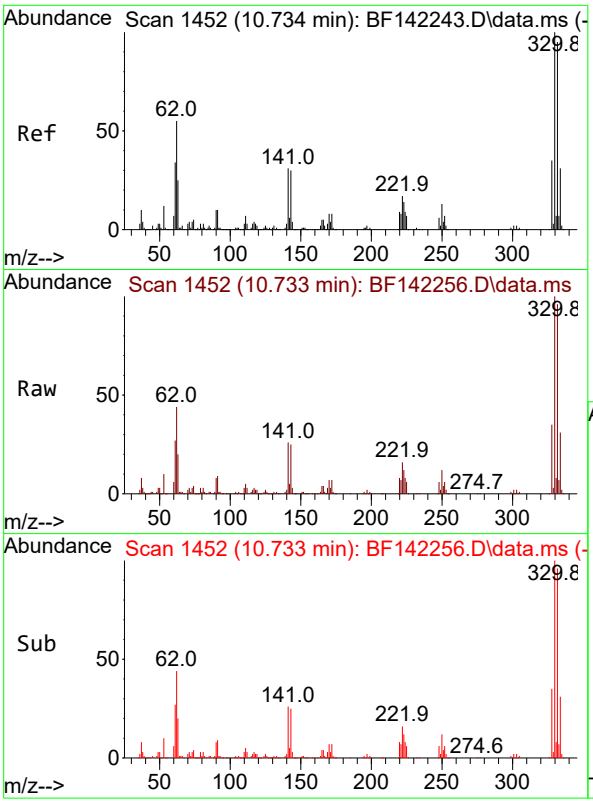


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:164 Resp: 443070

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.6	117.8
160	45.2	35.7	53.5



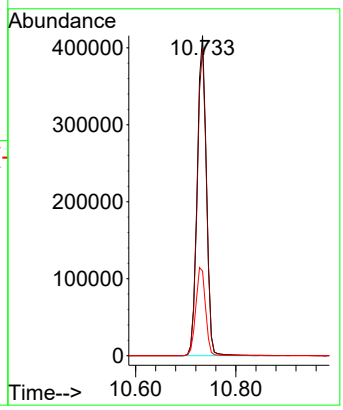


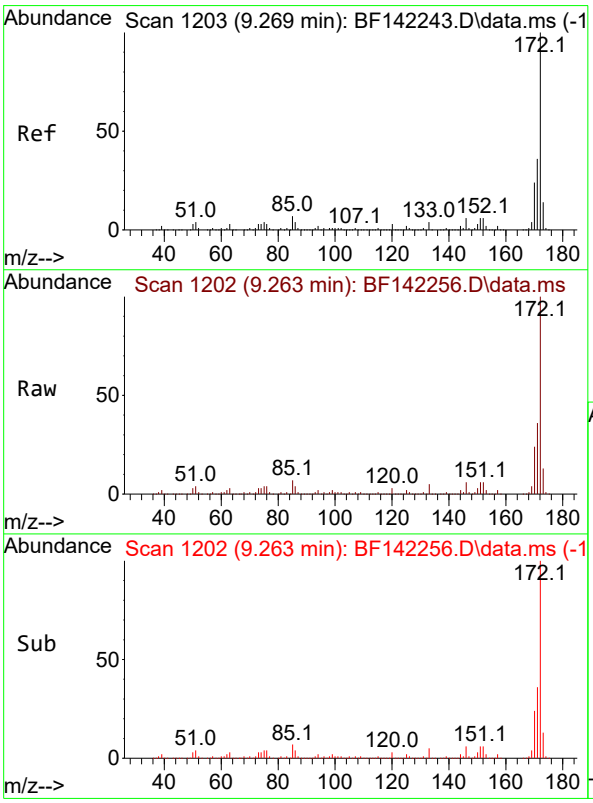
#42
2,4,6-Tribromophenol
Concen: 131.080 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:330 Resp: 529459

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.5	114.7
141	29.1	24.3	36.5

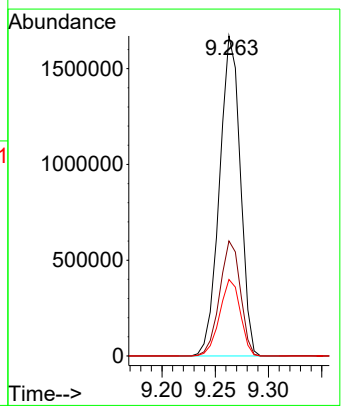


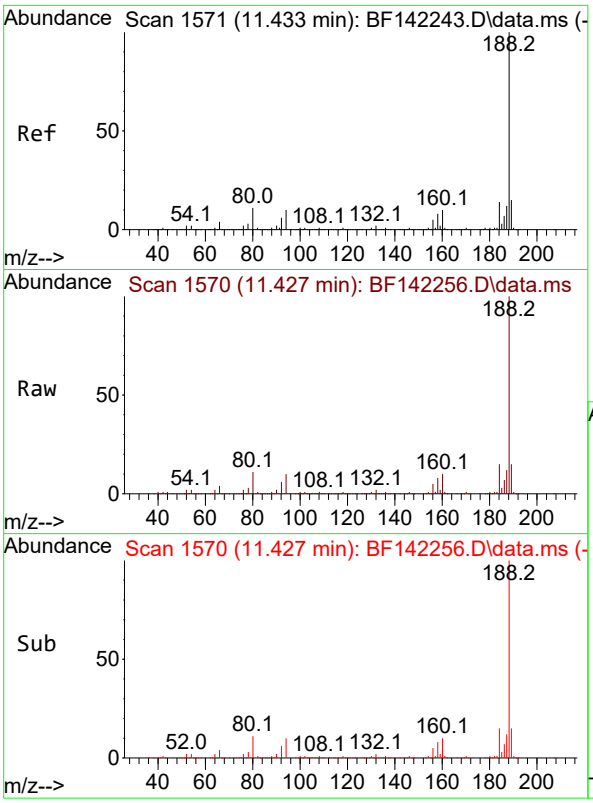


#45
2-Fluorobiphenyl
Concen: 72.061 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:172 Resp: 2264475

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.9	19.4	29.0



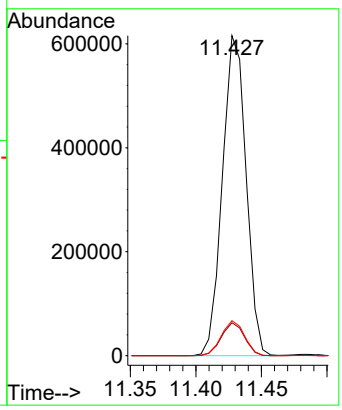


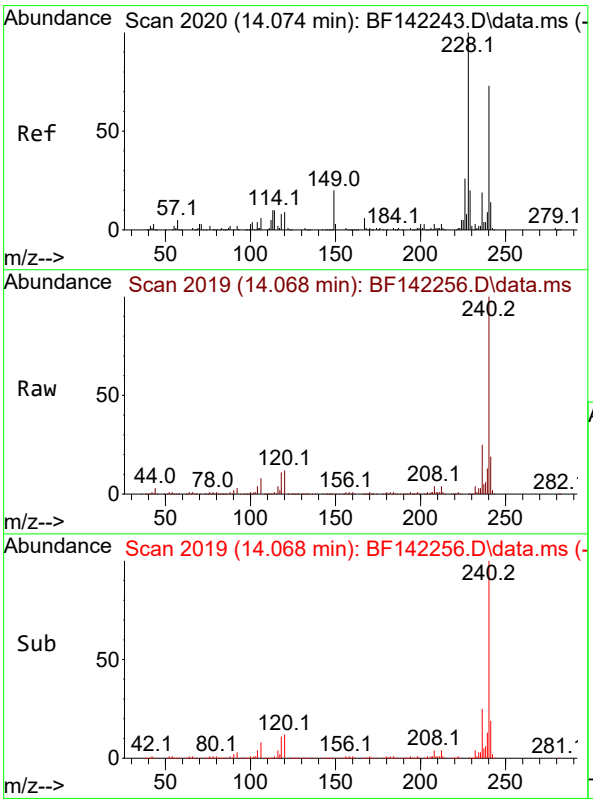
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:188 Resp: 773002

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.2	12.2
80	10.9	8.6	12.8

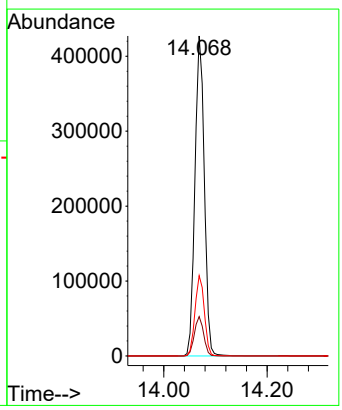


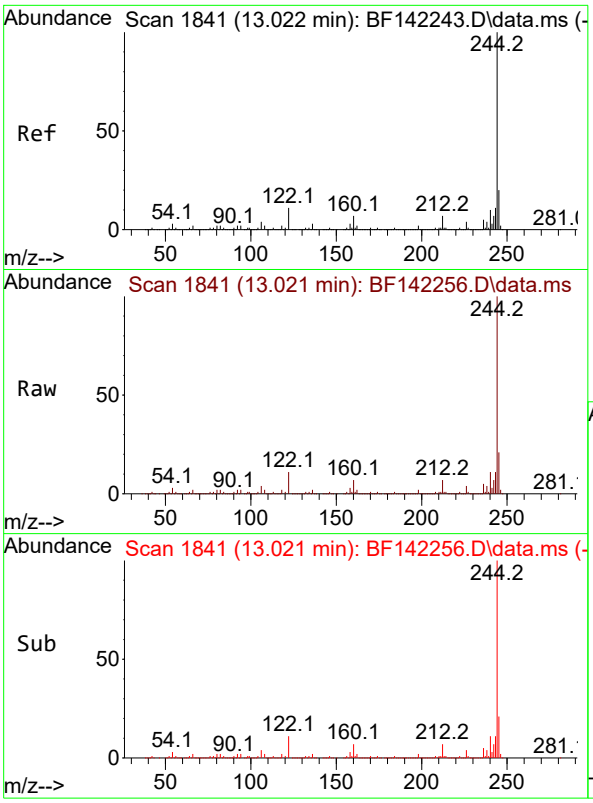


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:240 Resp: 539235

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.1	15.1
236	25.1	20.5	30.7



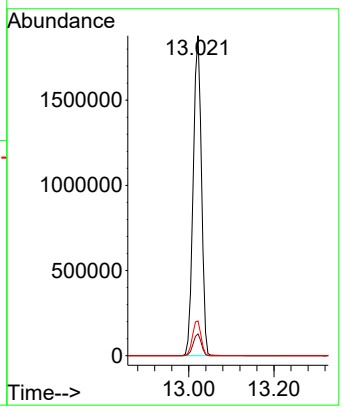


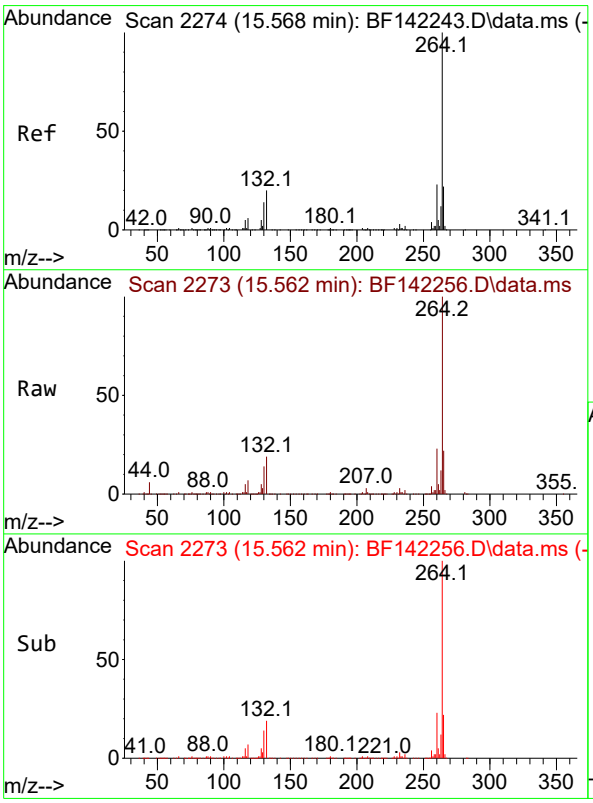
#79
Terphenyl-d14
Concen: 67.925 ng
RT: 13.021 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Instrument :
BNA_F
ClientSampleId :
PB167774TB

Tgt Ion:244 Resp: 2518381

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.3	7.9
122	10.9	9.1	13.7

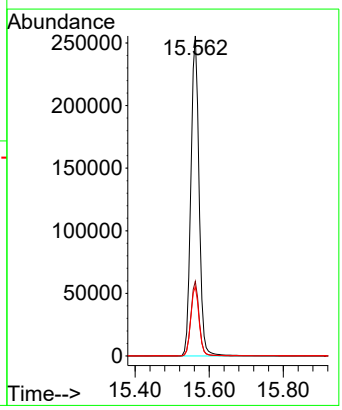




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142256.D
Acq: 01 May 2025 13:07

Tgt Ion:264 Resp: 394051

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.6	17.3	25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142276.D
Acq On : 02 May 2025 11:58
Operator : RC/JU
Sample : Q1901-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Time: May 02 12:28:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

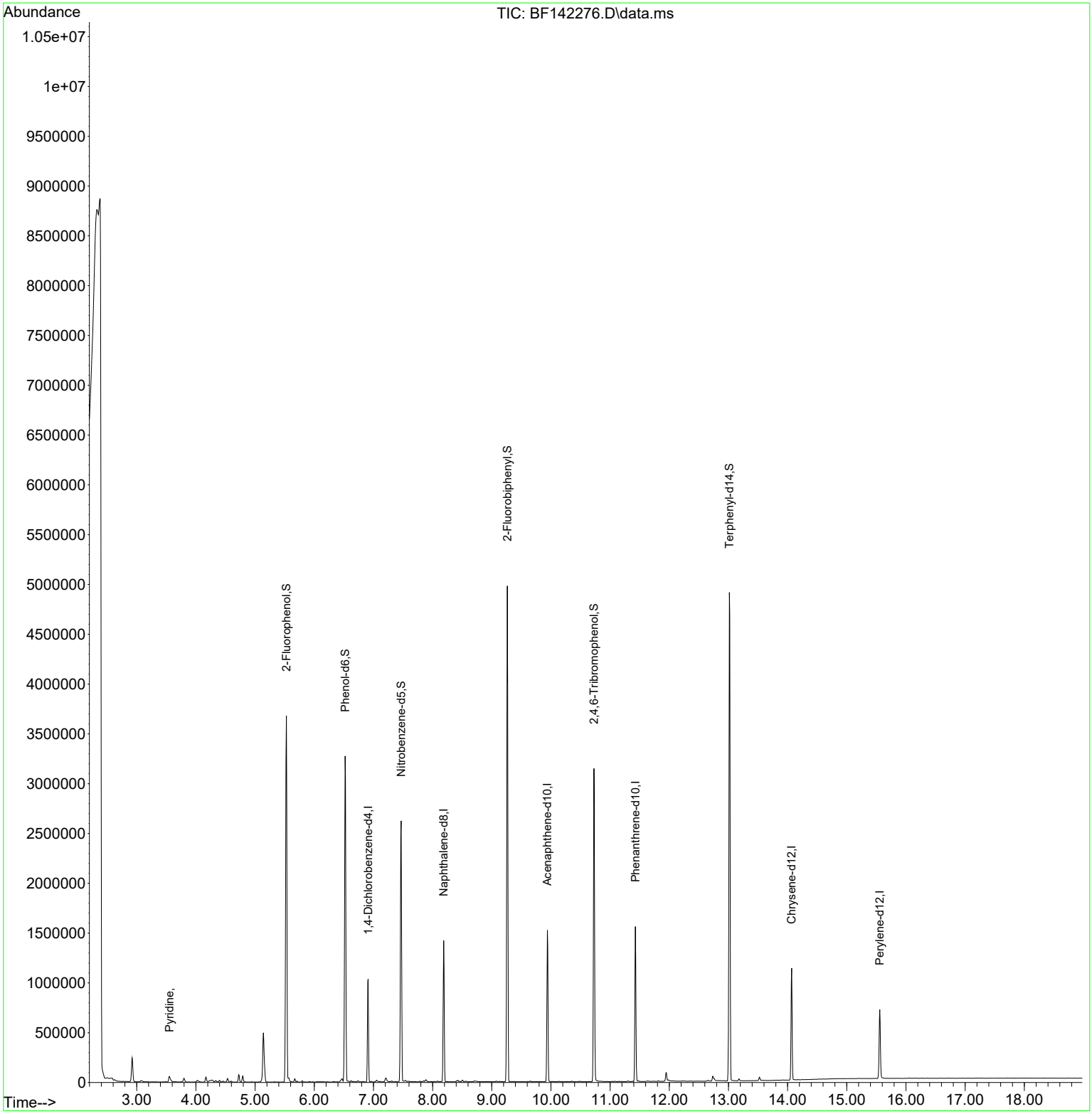
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	222553	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	840174	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	447329	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	769739	20.000	ng	0.00
76) Chrysene-d12	14.068	240	529430	20.000	ng	0.00
86) Perylene-d12	15.557	264	393063	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1438792	103.249	ng	0.01
7) Phenol-d6	6.522	99	1614400	95.937	ng	0.00
23) Nitrobenzene-d5	7.469	82	1129271	88.303	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	565380	138.641	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2216915	69.876	ng	0.00
79) Terphenyl-d14	13.016	244	2479112	68.104	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.551	79	38955	2.408	ng	98

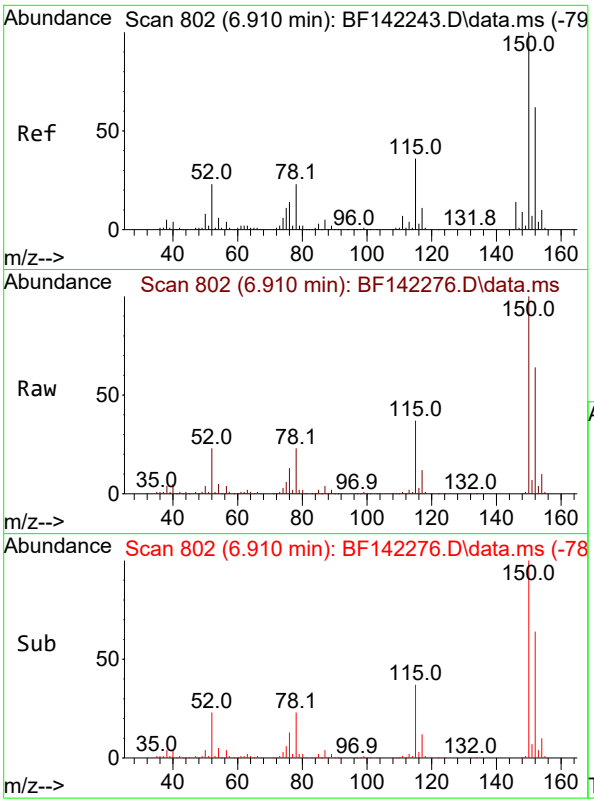
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142276.D
Acq On : 02 May 2025 11:58
Operator : RC/JU
Sample : Q1901-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Quant Time: May 02 12:28:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



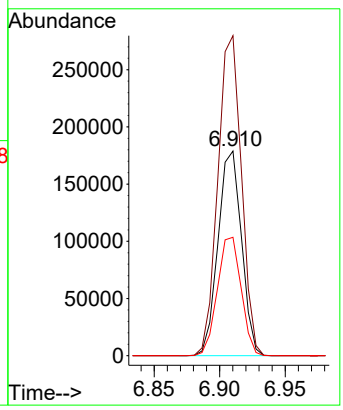


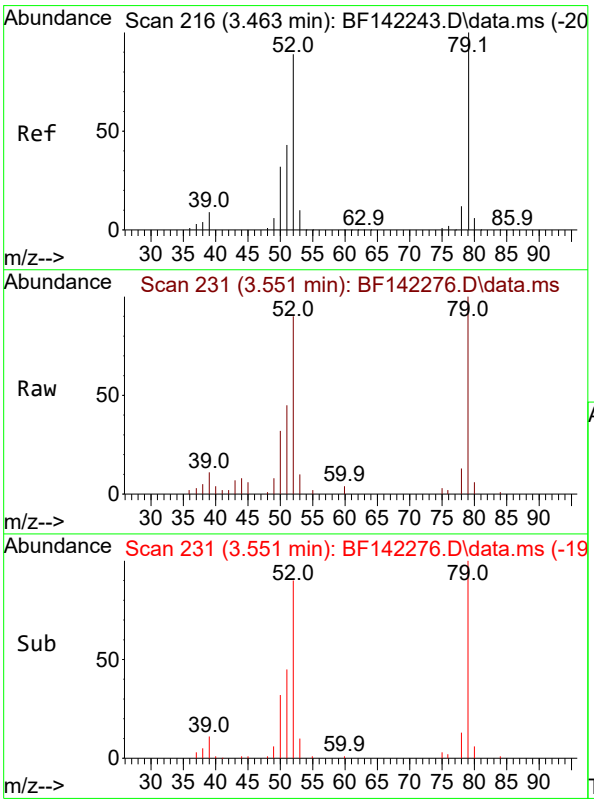
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:152 Resp: 222553

Ion	Ratio	Lower	Upper
152	100		
150	156.3	130.2	195.2
115	57.9	47.0	70.4

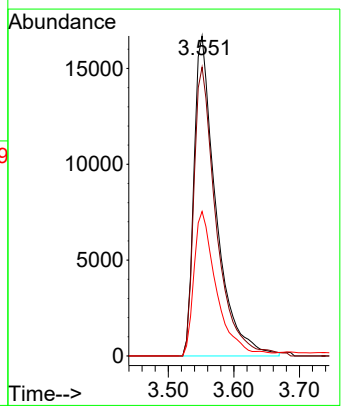


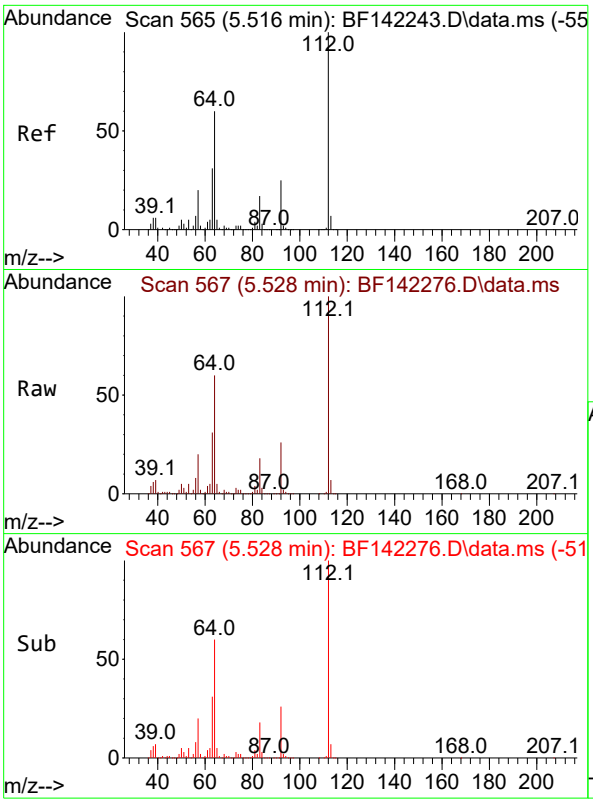


#3
Pyridine
Concen: 2.408 ng
RT: 3.551 min Scan# 231
Delta R.T. 0.088 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion: 79 Resp: 38955

Ion	Ratio	Lower	Upper
79	100		
52	90.2	71.5	107.3
51	45.2	34.5	51.7



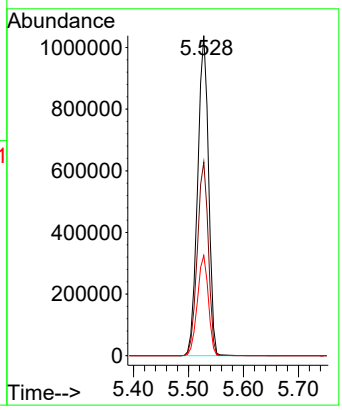


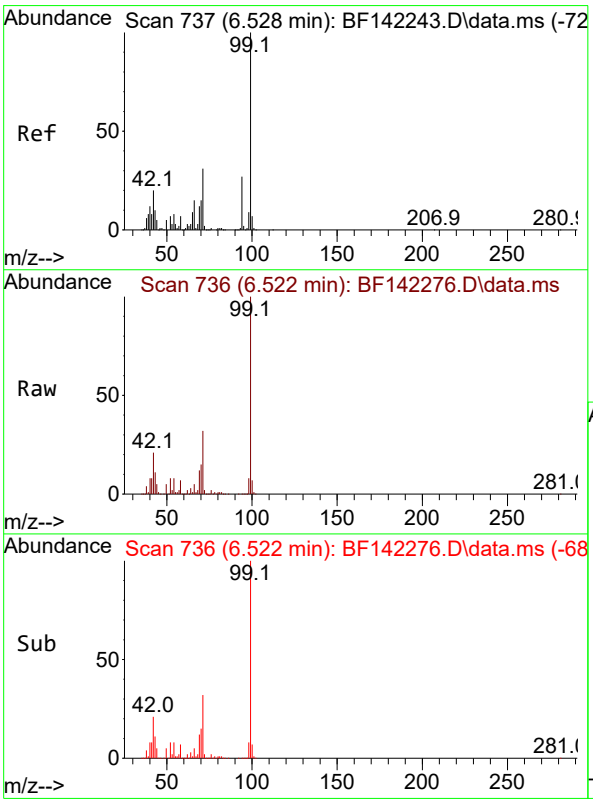
#5
2-Fluorophenol
Concen: 103.249 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:112 Resp: 1438792

Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.4	72.6
63	31.3	24.8	37.2

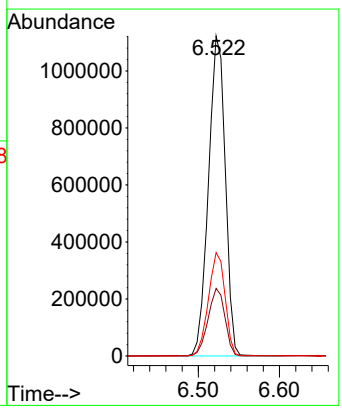


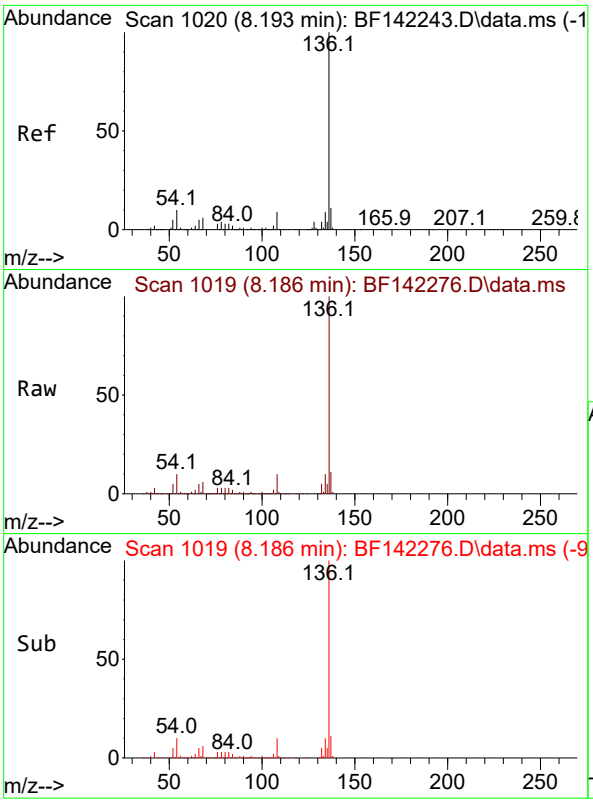


#7
Phenol-d6
Concen: 95.937 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion: 99 Resp: 1614400

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	32.3	25.0	37.4



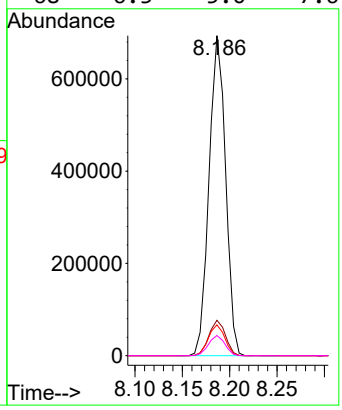


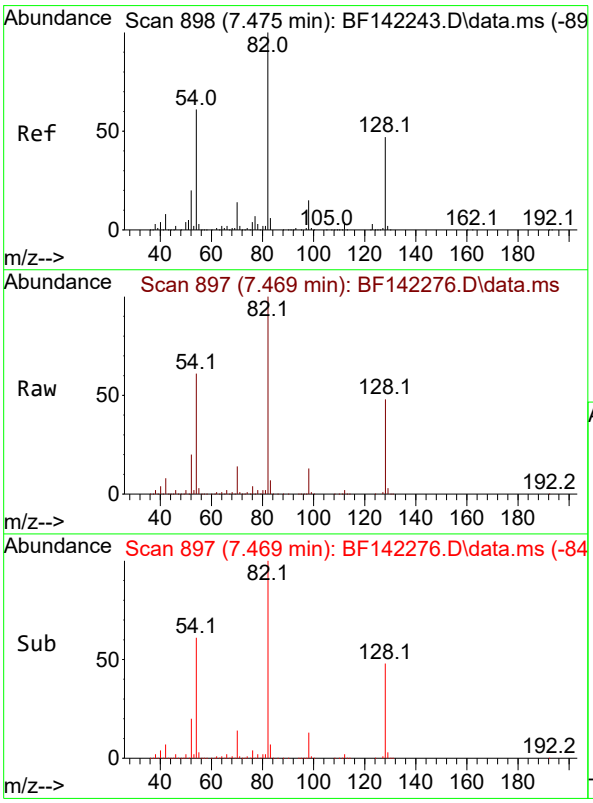
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.007 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:136 Resp: 840174

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	9.7	7.7	11.5
68	6.3	5.0	7.6

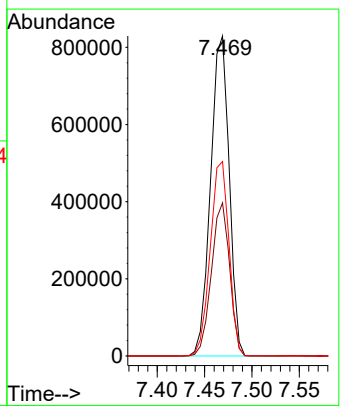


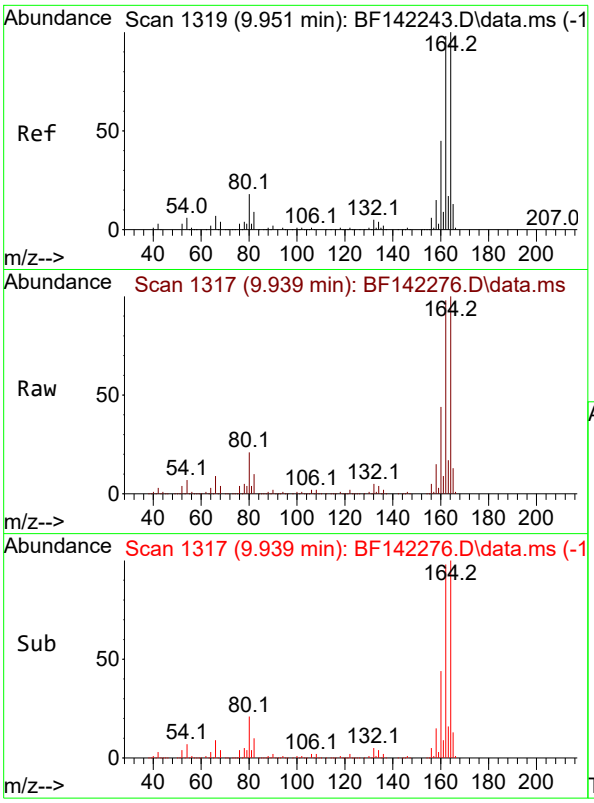


#23
Nitrobenzene-d5
Concen: 88.303 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion: 82 Resp: 1129271

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.6
54	60.7	48.0	72.0



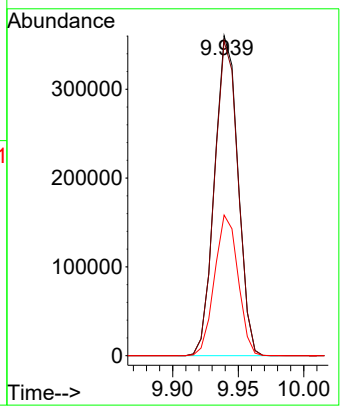


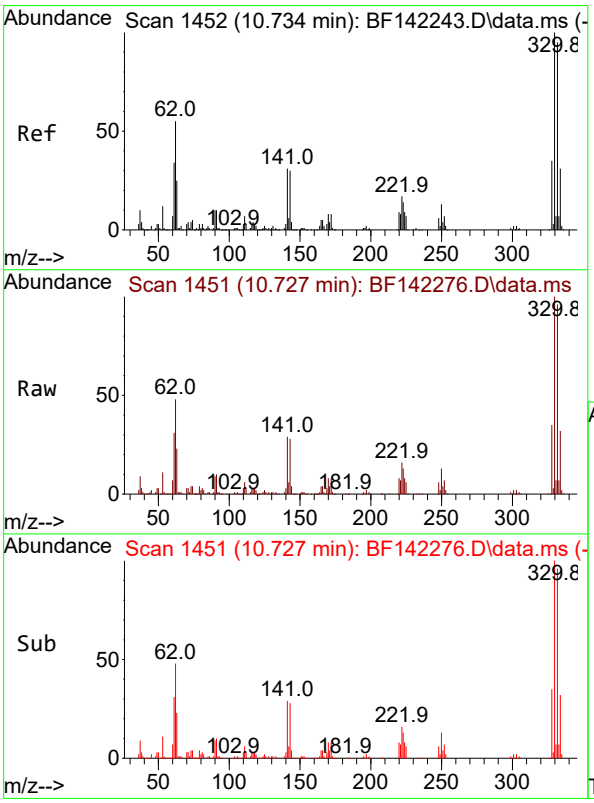
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:164 Resp: 447329

Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.6	117.8
160	43.9	35.7	53.5

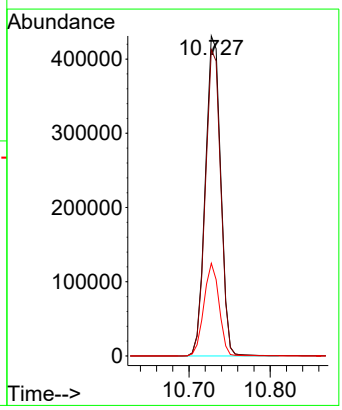


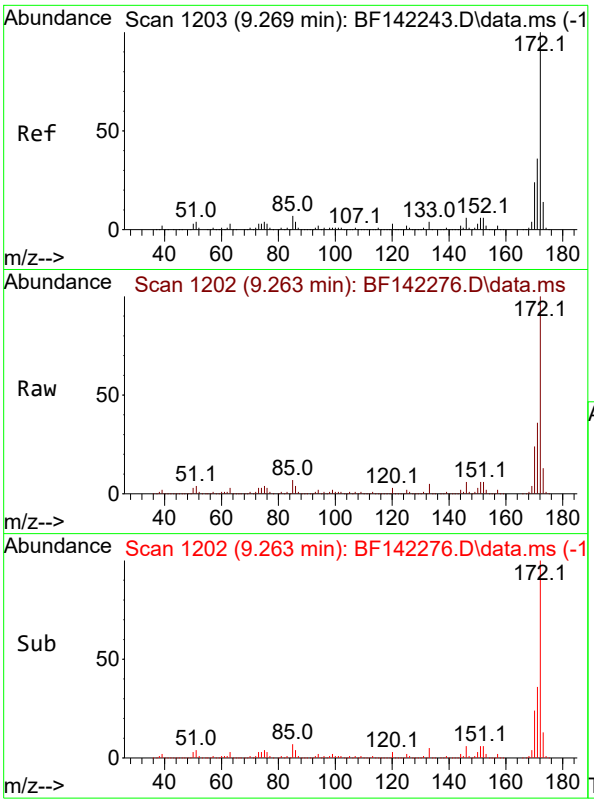


#42
2,4,6-Tribromophenol
Concen: 138.641 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion:330 Resp: 565380

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.5	114.7
141	28.8	24.3	36.5



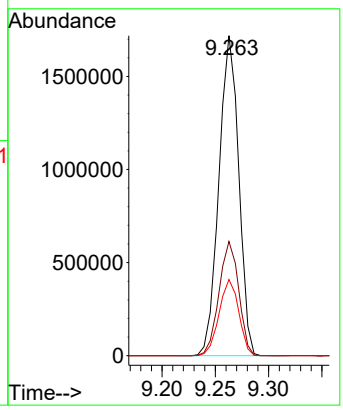


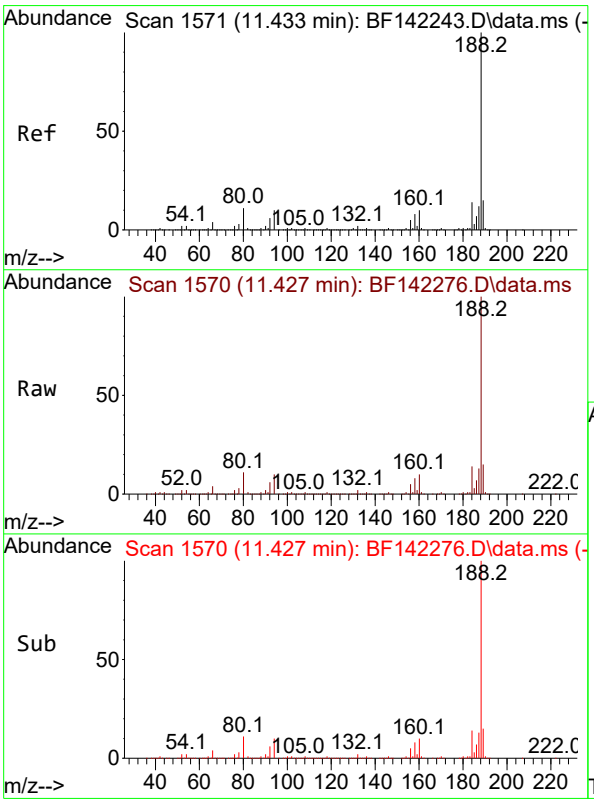
#45
2-Fluorobiphenyl
Concen: 69.876 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:172 Resp: 2216915

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.8	19.4	29.0

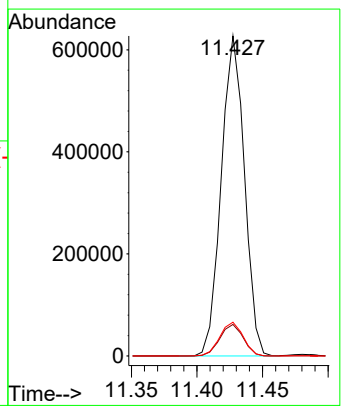


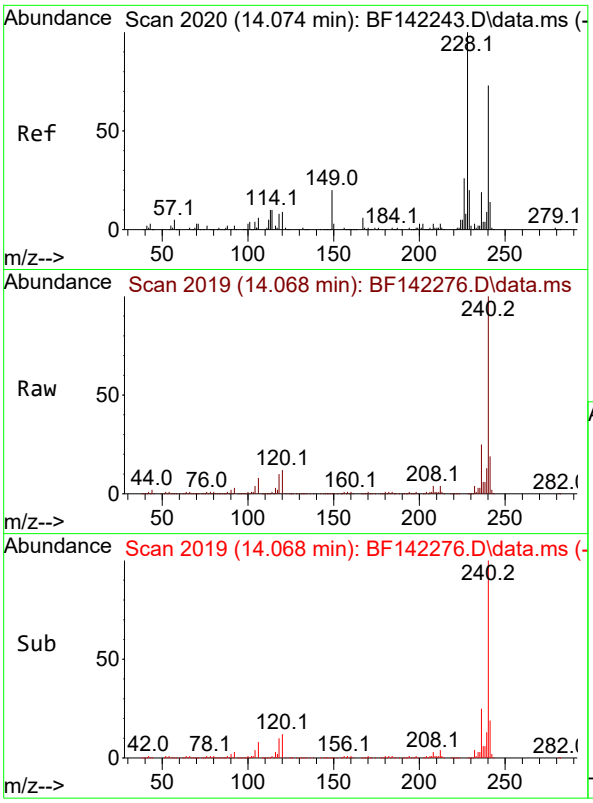


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion:188 Resp: 769739

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.6	8.6	12.8



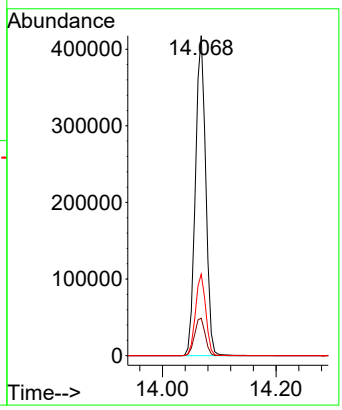


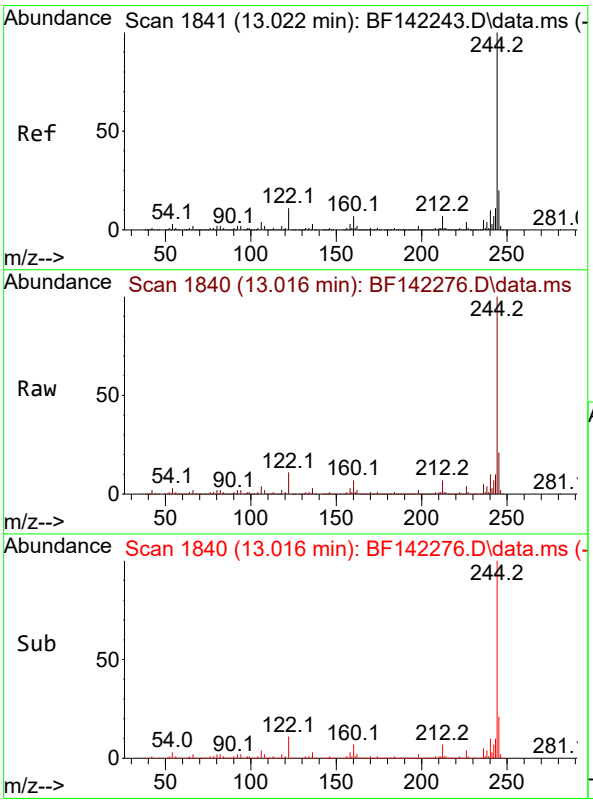
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:240 Resp: 529430

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.1	15.1
236	25.5	20.5	30.7

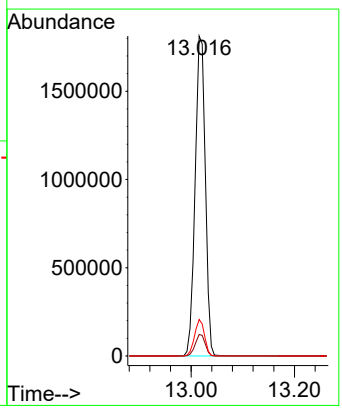


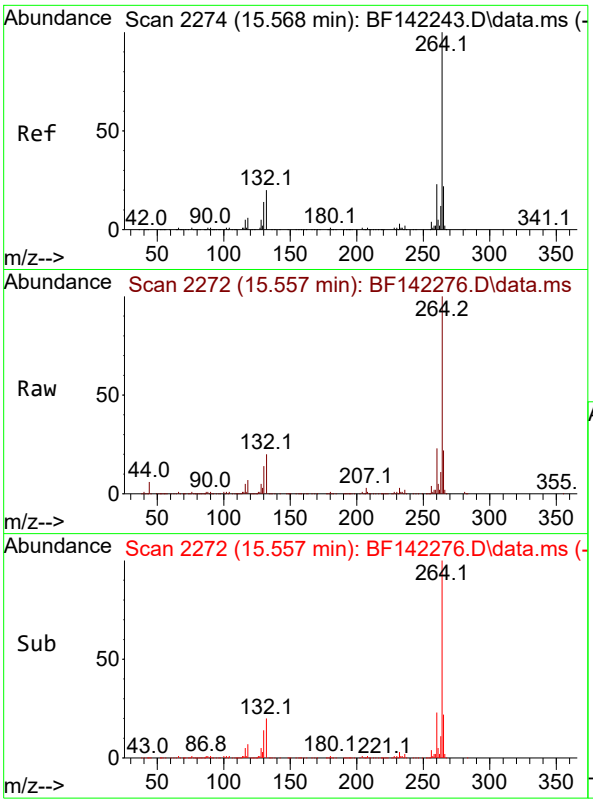


#79
Terphenyl-d14
Concen: 68.104 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Tgt Ion:244 Resp: 2479112

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.4	9.1	13.7



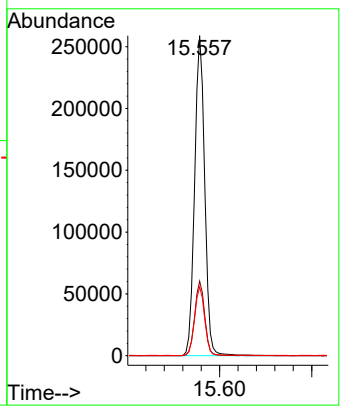


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142276.D
Acq: 02 May 2025 11:58

Instrument :
BNA_F
ClientSampleId :
B-167-SB01

Tgt Ion:264 Resp: 393063

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	21.5	17.3	25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142279.D
Acq On : 02 May 2025 13:24
Operator : RC/JU
Sample : Q1901-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Quant Time: May 02 14:19:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

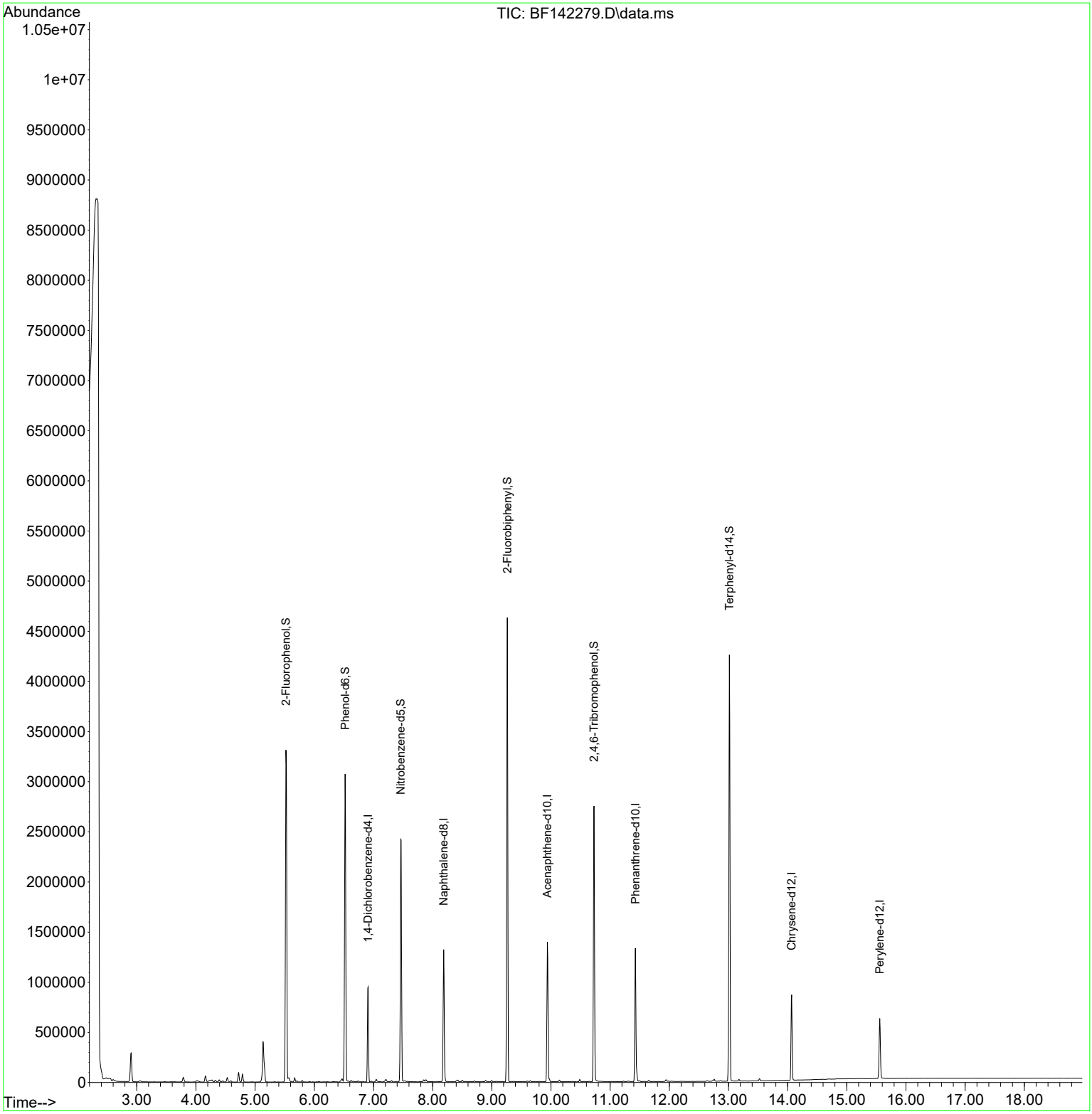
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	207050	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	786560	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	402861	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	662438	20.000	ng	0.00
76) Chrysene-d12	14.068	240	411304	20.000	ng	0.00
86) Perylene-d12	15.557	264	344110	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1304723	100.639	ng	0.00
7) Phenol-d6	6.522	99	1455008	92.939	ng	0.00
23) Nitrobenzene-d5	7.463	82	1050218	87.719	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	478989	130.421	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2020679	70.721	ng	0.00
79) Terphenyl-d14	13.016	244	2048893	72.451	ng	0.00
Target Compounds						Qvalue

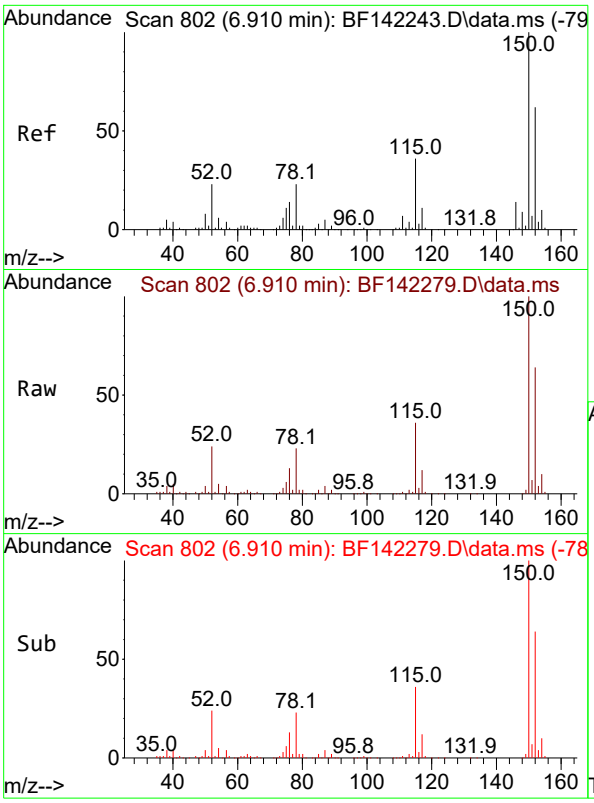
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142279.D
Acq On : 02 May 2025 13:24
Operator : RC/JU
Sample : Q1901-09
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Quant Time: May 02 14:19:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



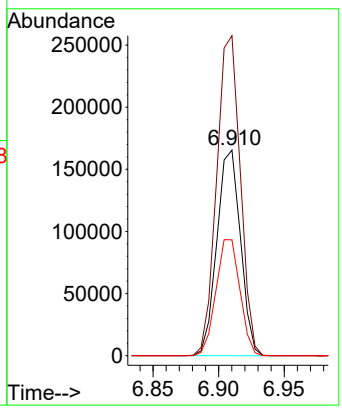


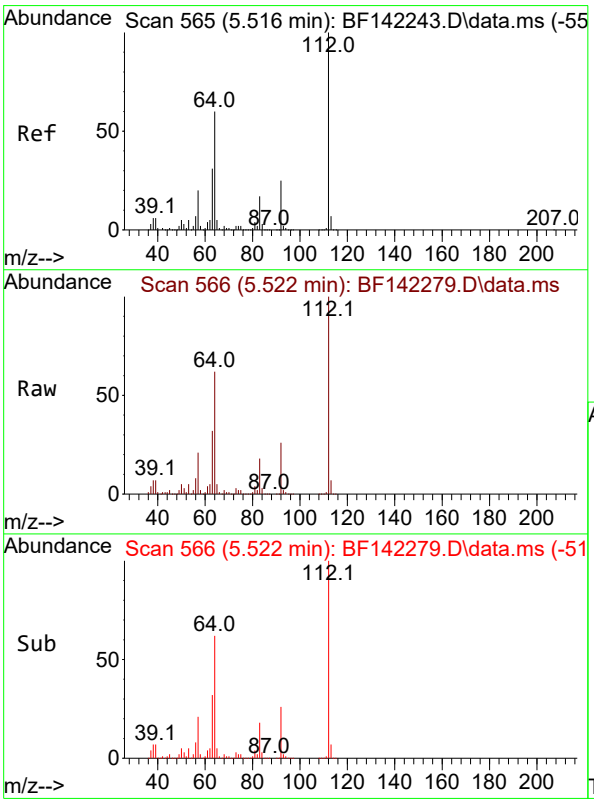
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Tgt Ion:152 Resp: 207050

Ion	Ratio	Lower	Upper
152	100		
150	155.6	130.2	195.2
115	56.4	47.0	70.4

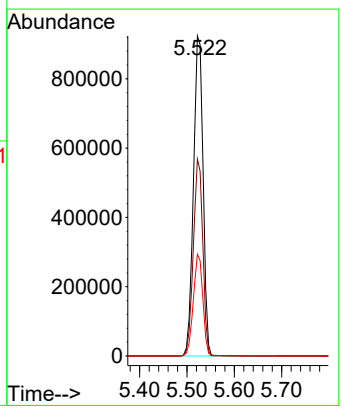




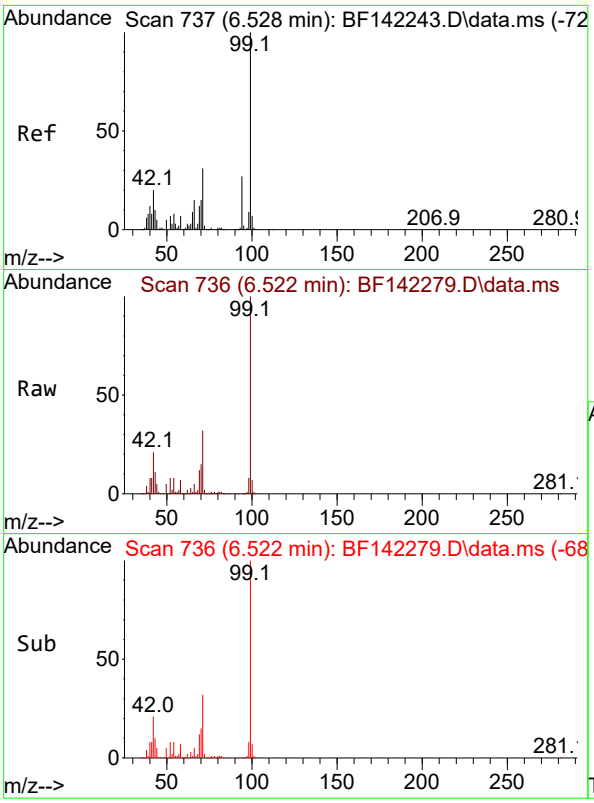
#5
2-Fluorophenol
Concen: 100.639 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:112 Resp: 1304723

Ion	Ratio	Lower	Upper
112	100		
64	61.5	48.4	72.6
63	31.8	24.8	37.2



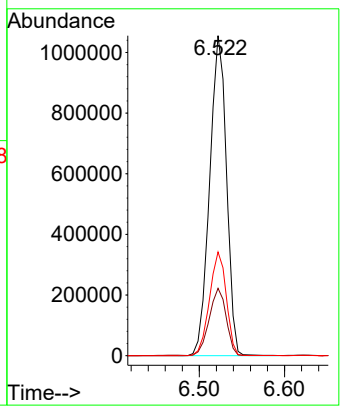
Instrument :
BNA_F
ClientSampleId :
B-170-SB01

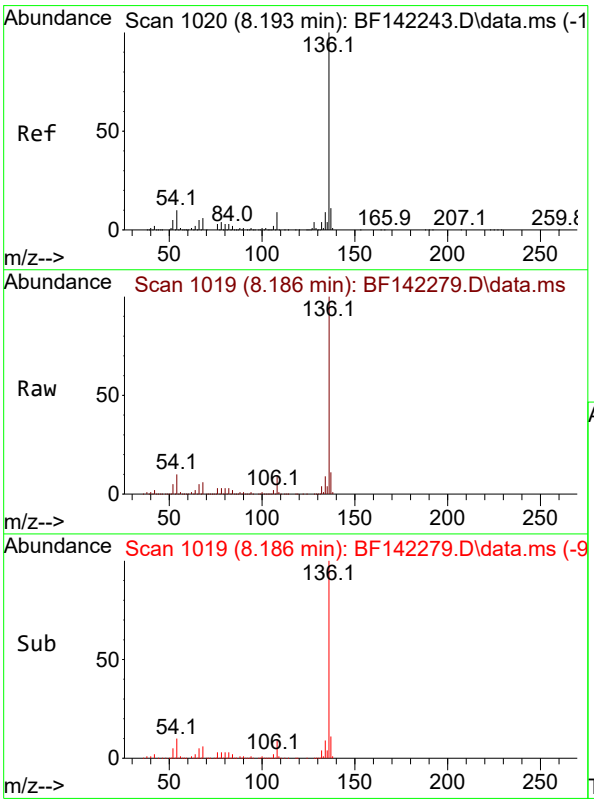


#7
Phenol-d6
Concen: 92.939 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion: 99 Resp: 1455008

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	32.4	25.0	37.4

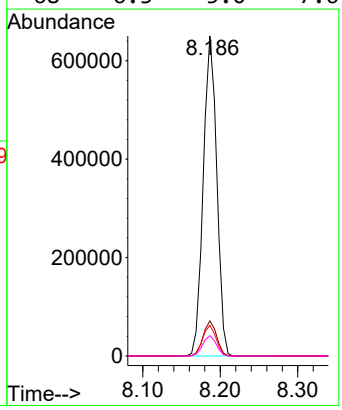


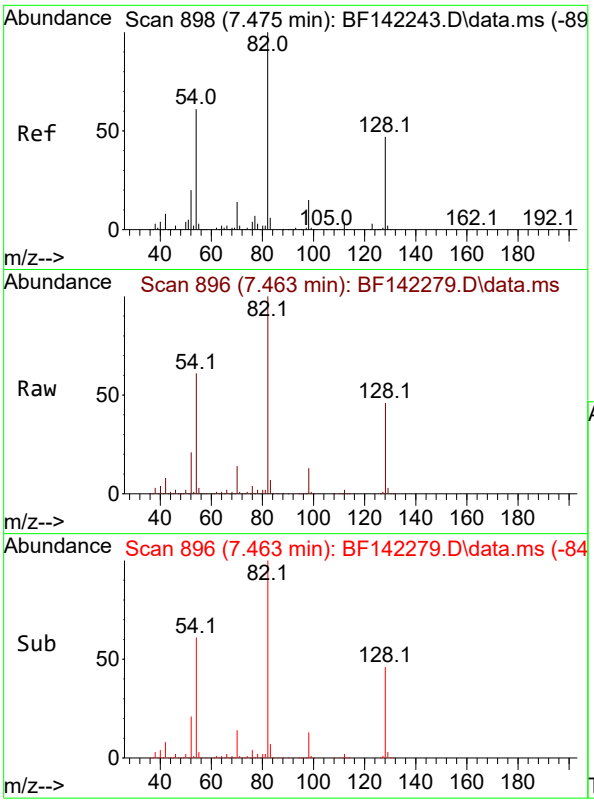


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.007 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:136 Resp: 786560

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.6	7.7	11.5
68	6.3	5.0	7.6



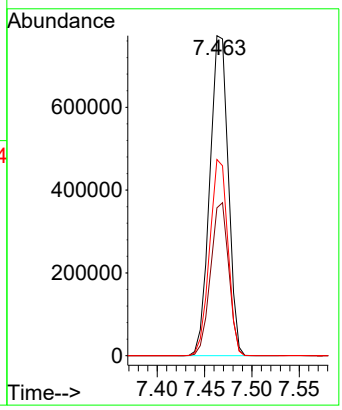


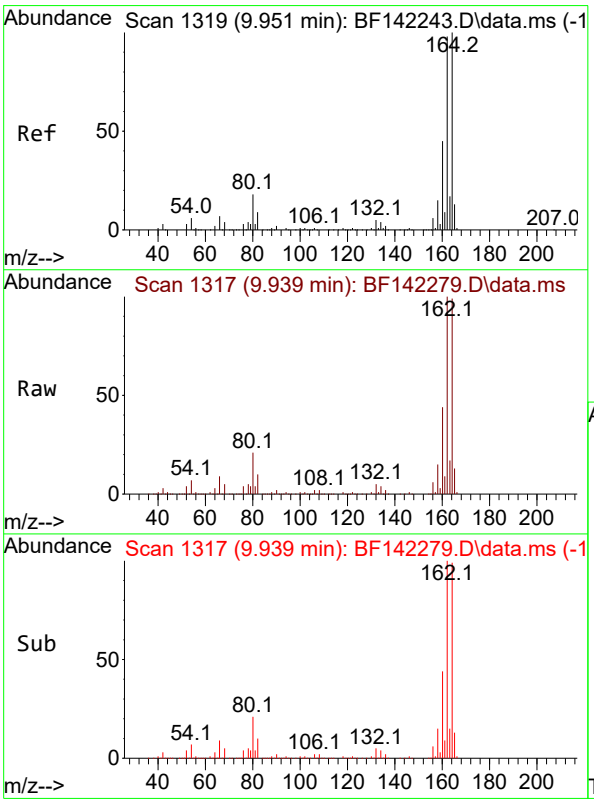
#23
Nitrobenzene-d5
Concen: 87.719 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Tgt Ion: 82 Resp: 1050218

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.6
54	61.3	48.0	72.0

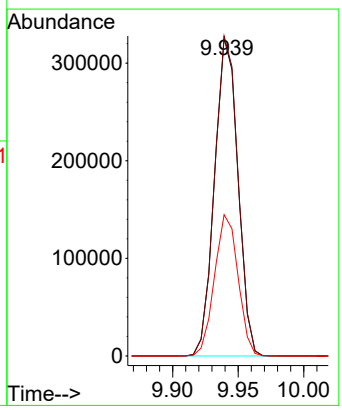


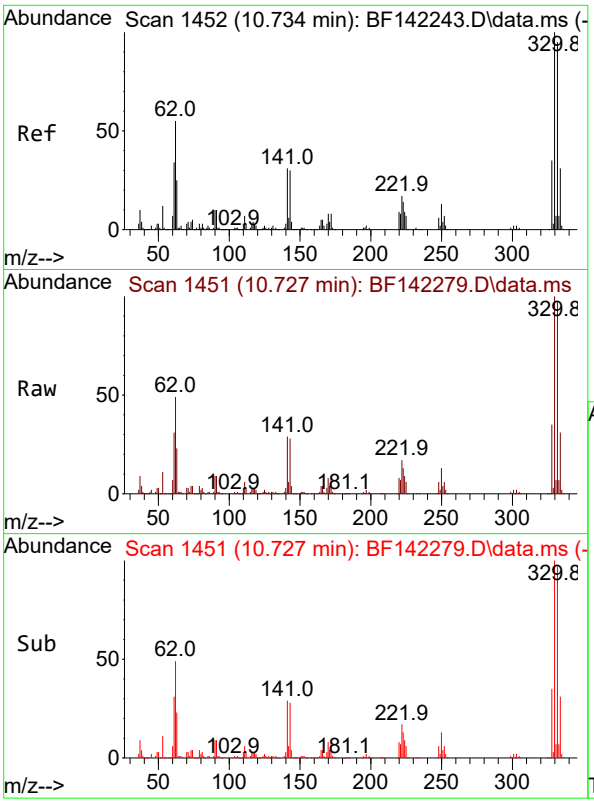


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:164 Resp: 402861

Ion	Ratio	Lower	Upper
164	100		
162	100.7	78.6	117.8
160	44.5	35.7	53.5



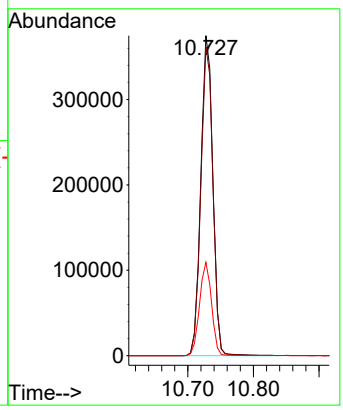


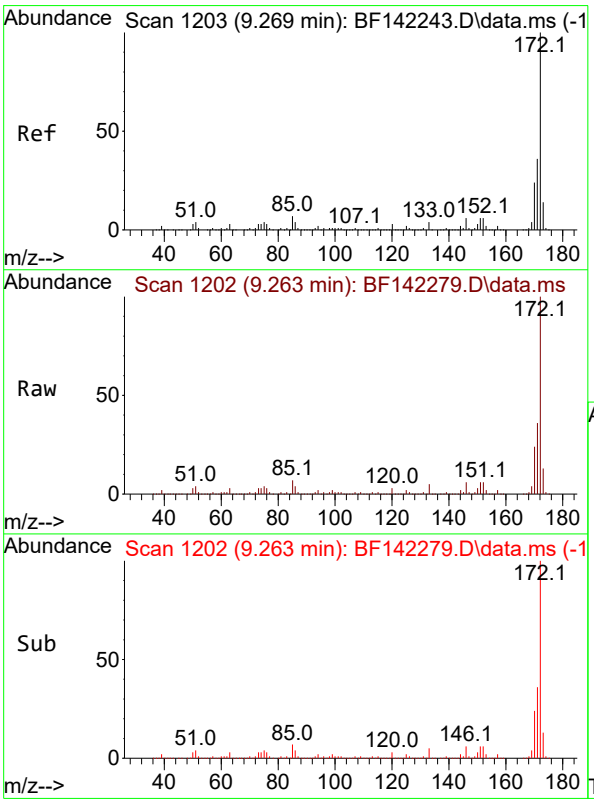
#42
2,4,6-Tribromophenol
Concen: 130.421 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Tgt Ion:330 Resp: 478989

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	29.2	24.3	36.5

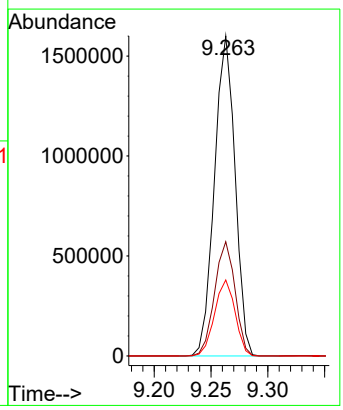


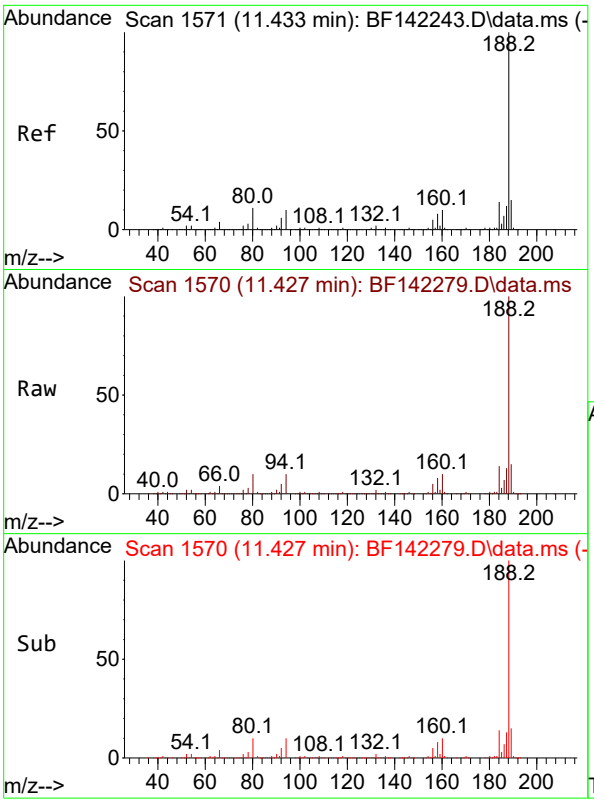


#45
2-Fluorobiphenyl
Concen: 70.721 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:172 Resp: 2020679

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.8	19.4	29.0



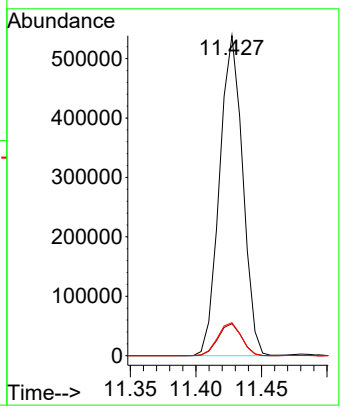


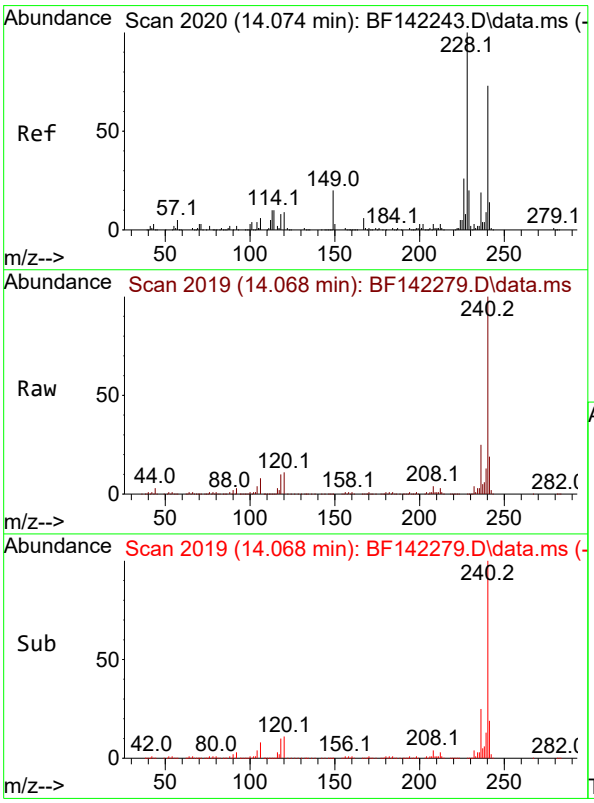
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Tgt Ion:188 Resp: 662438

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.2	12.2
80	10.3	8.6	12.8

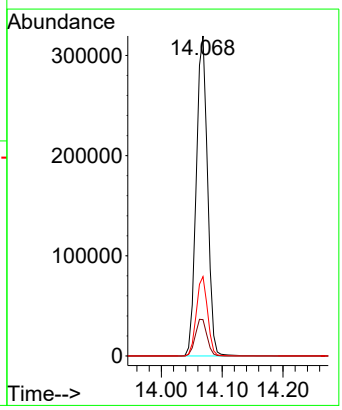


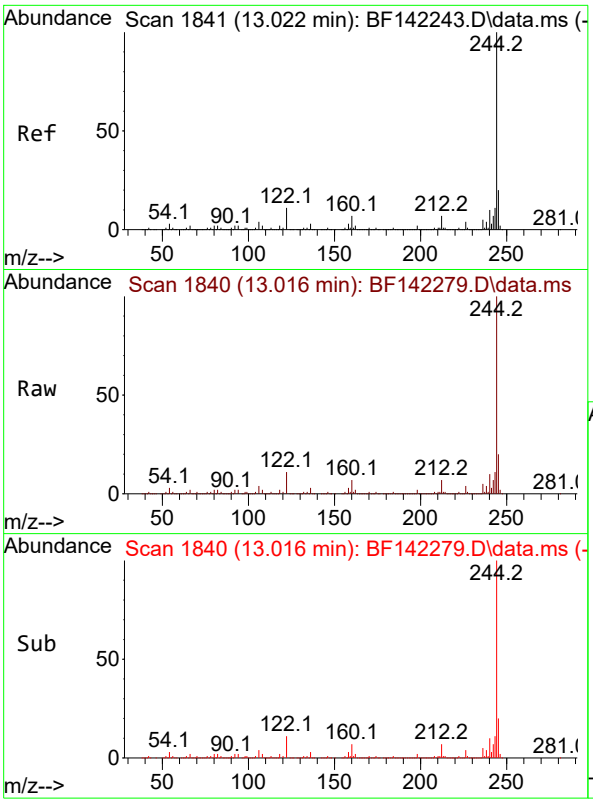


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:240 Resp: 411304

Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.1	15.1
236	24.8	20.5	30.7



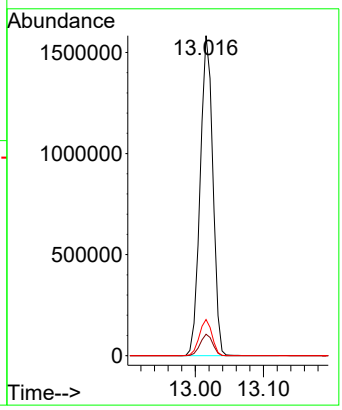


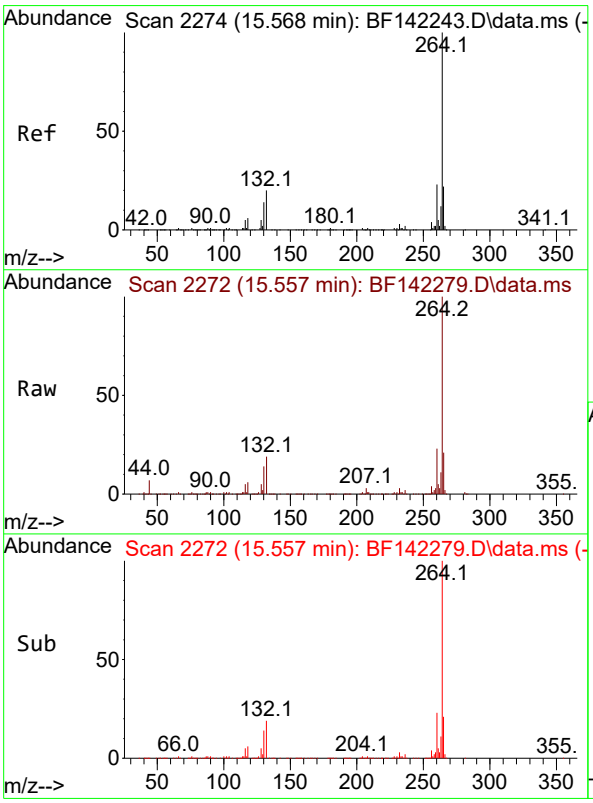
#79
Terphenyl-d14
Concen: 72.451 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Instrument :
BNA_F
ClientSampleId :
B-170-SB01

Tgt Ion:244 Resp: 2048893

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.3	9.1	13.7

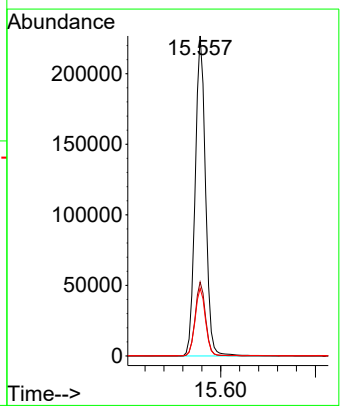




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.012 min
Lab File: BF142279.D
Acq: 02 May 2025 13:24

Tgt Ion:264 Resp: 344110

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.4	27.6
265	21.1	17.3	25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142280.D
Acq On : 02 May 2025 13:53
Operator : RC/JU
Sample : Q1901-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Time: May 02 14:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

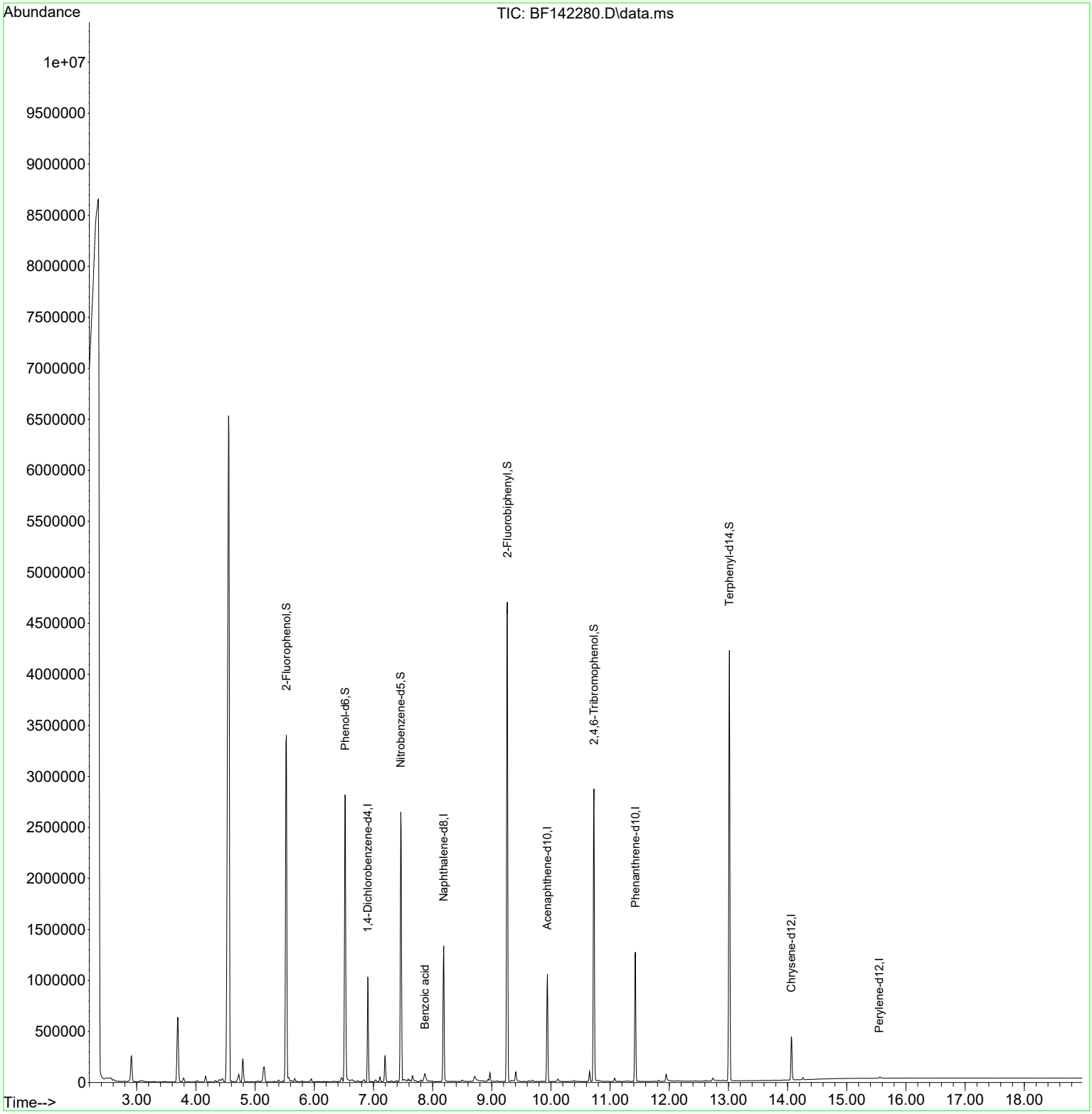
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	215163	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	812217	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	266125	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	611583	20.000	ng	0.00
76) Chrysene-d12	14.063	240	154727	20.000	ng	-0.01
86) Perylene-d12	15.551	264	3229	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1362221	101.112	ng	0.01
7) Phenol-d6	6.522	99	1145189	70.391	ng	0.00
23) Nitrobenzene-d5	7.463	82	1114602	90.156	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	514497	212.068	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2159177	114.396	ng	0.00
79) Terphenyl-d14	13.016	244	1928369	181.263	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.869	122	28398	14.343	ng	100

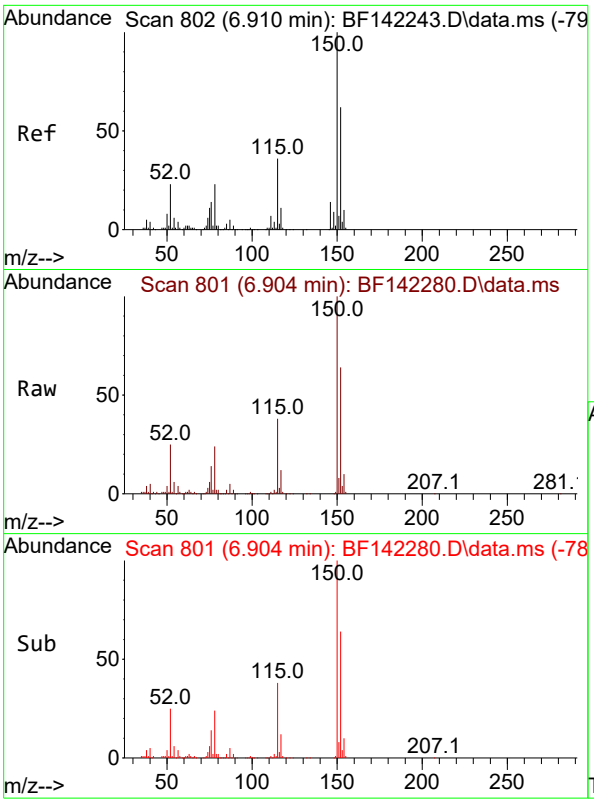
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142280.D
Acq On : 02 May 2025 13:53
Operator : RC/JU
Sample : Q1901-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Quant Time: May 02 14:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



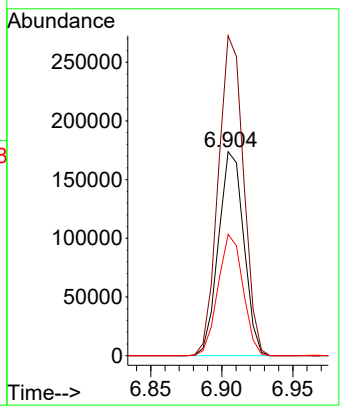


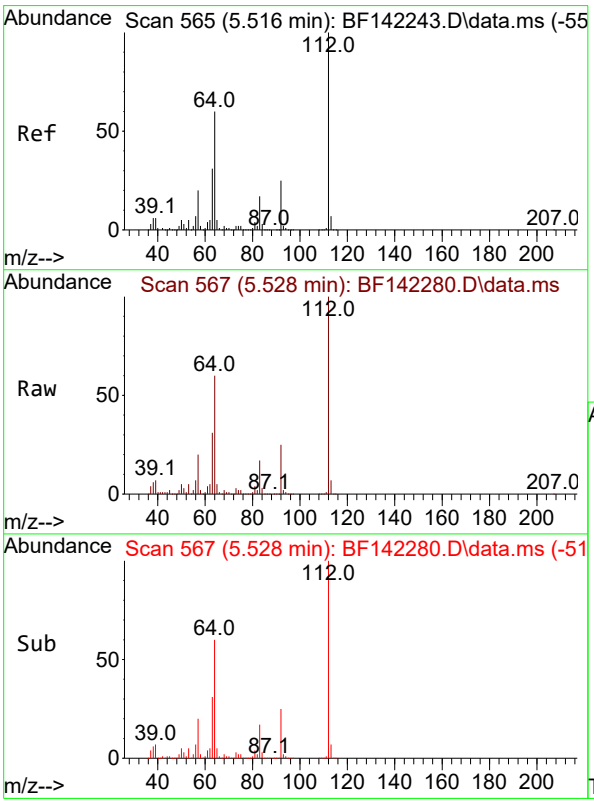
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:152 Resp: 215163

Ion	Ratio	Lower	Upper
152	100		
150	156.8	130.2	195.2
115	59.4	47.0	70.4

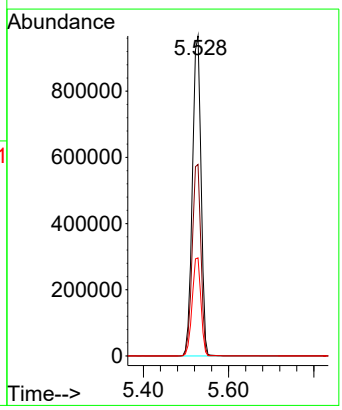


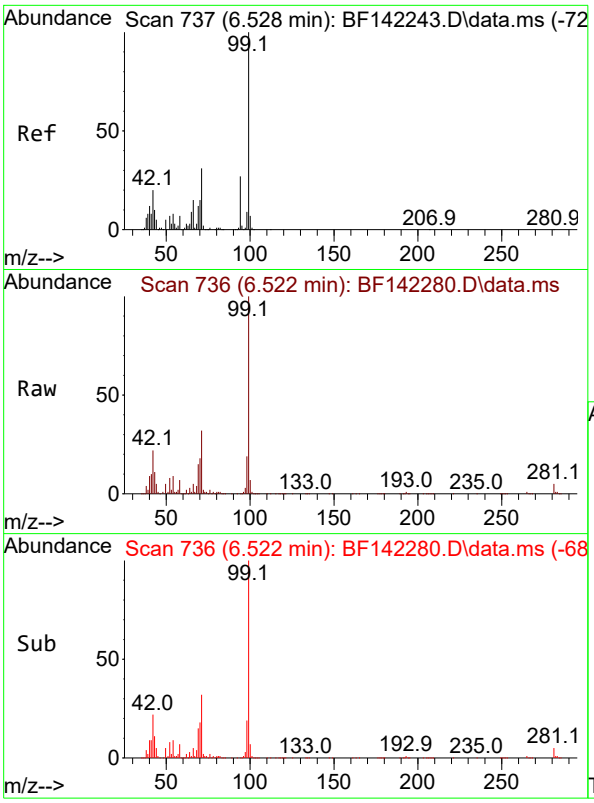


#5
2-Fluorophenol
Concen: 101.112 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:112 Resp: 1362221

Ion	Ratio	Lower	Upper
112	100		
64	59.8	48.4	72.6
63	30.7	24.8	37.2



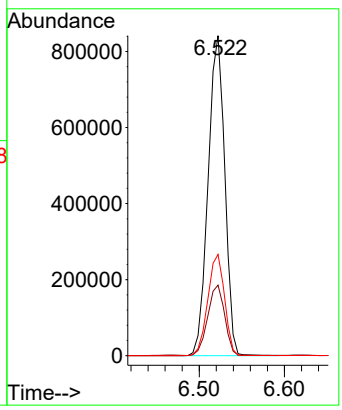


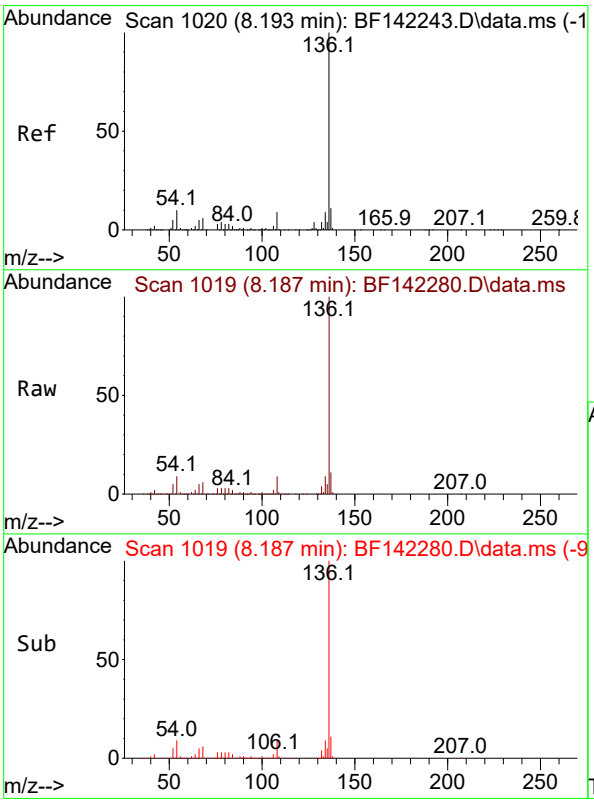
#7
Phenol-d6
Concen: 70.391 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion: 99 Resp: 1145189

Ion	Ratio	Lower	Upper
99	100		
42	22.1	16.3	24.5
71	31.6	25.0	37.4

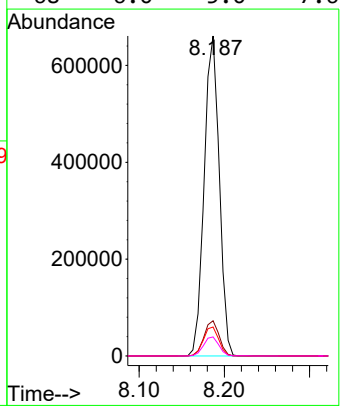




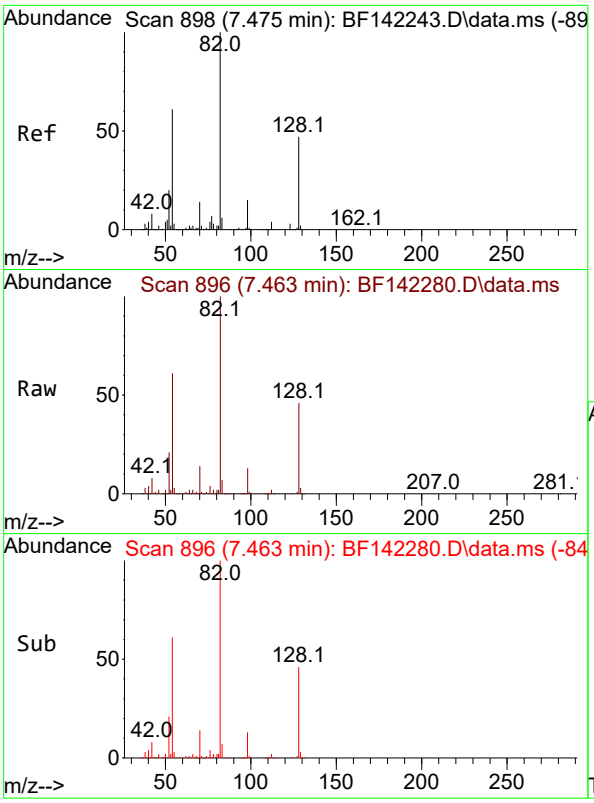
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:136 Resp: 812217

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.0	7.7	11.5
68	6.0	5.0	7.6



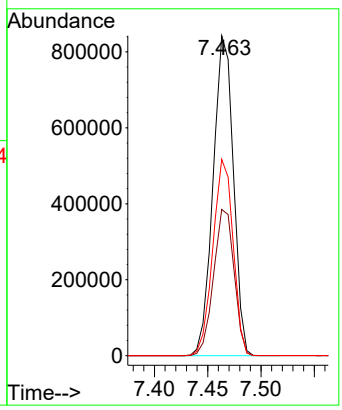
Instrument :
BNA_F
ClientSampleId :
B-167-SB02

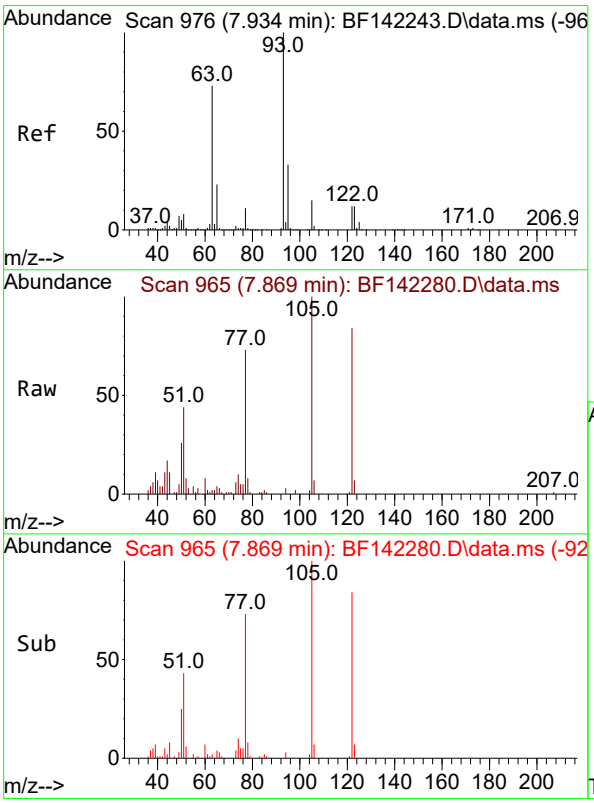


#23
Nitrobenzene-d5
Concen: 90.156 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion: 82 Resp: 1114602

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.0	55.6
54	61.4	48.0	72.0

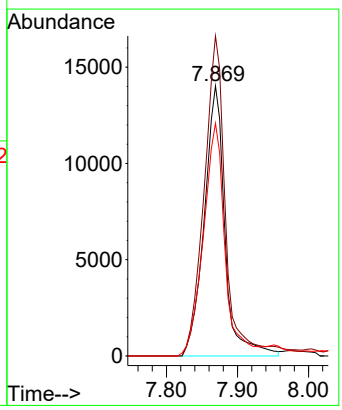


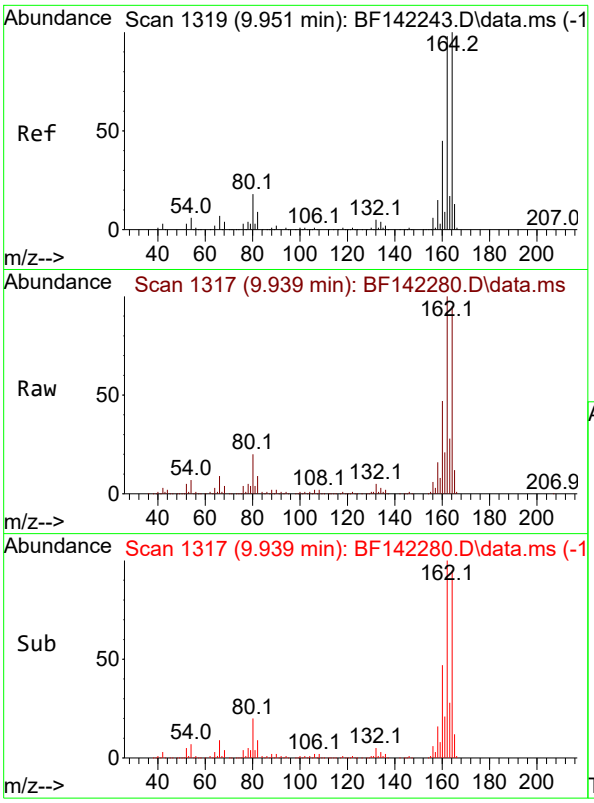


#32
Benzoic acid
Concen: 14.343 ng
RT: 7.869 min Scan# 965
Delta R.T. -0.065 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:122 Resp: 28398

Ion	Ratio	Lower	Upper
122	100		
105	118.5	98.2	138.2
77	86.1	66.8	106.8



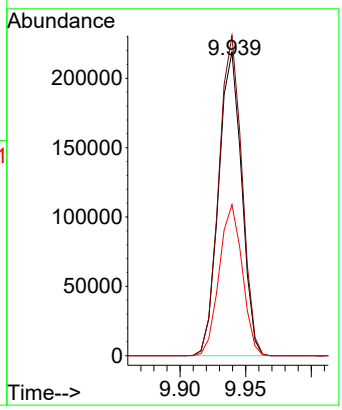


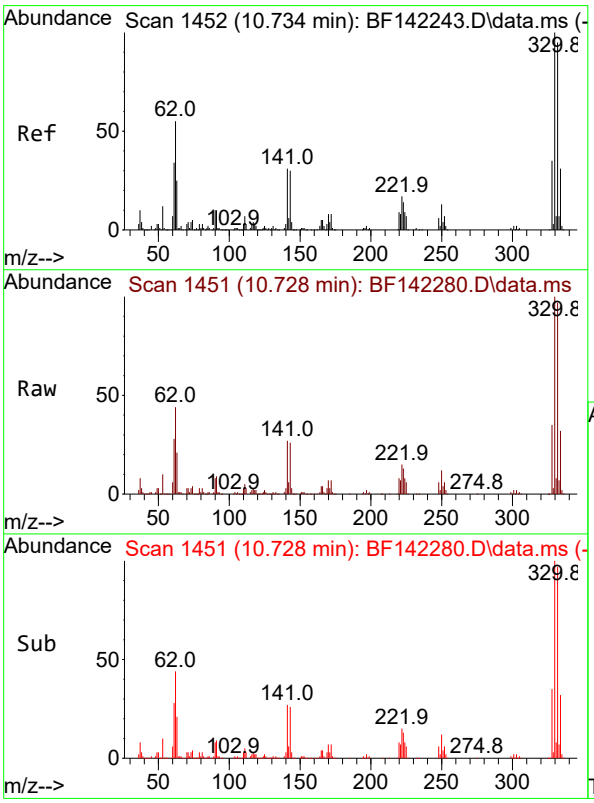
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:164 Resp: 266125

Ion	Ratio	Lower	Upper
164	100		
162	105.4	78.6	117.8
160	49.7	35.7	53.5

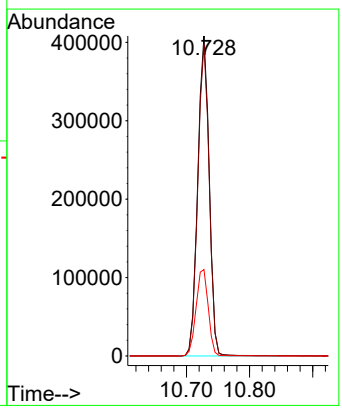


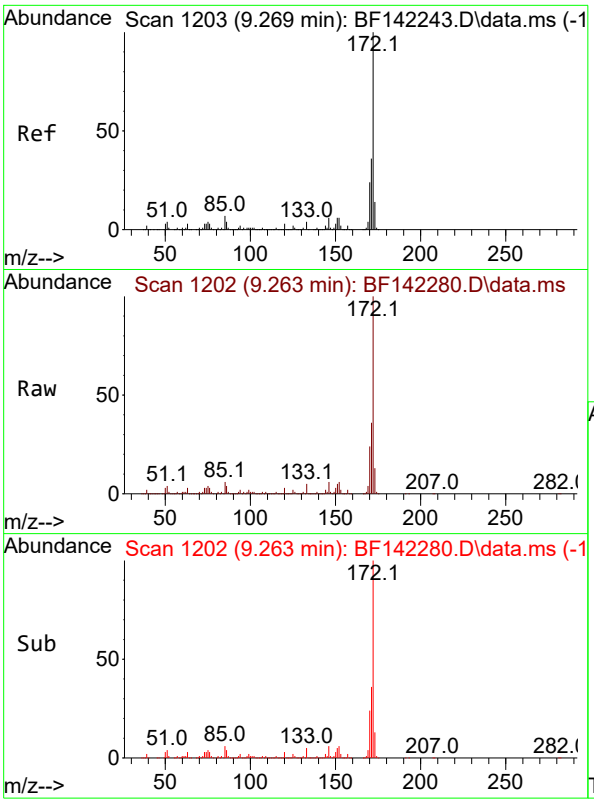


#42
2,4,6-Tribromophenol
Concen: 212.068 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:330 Resp: 514497

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.5	114.7
141	28.7	24.3	36.5



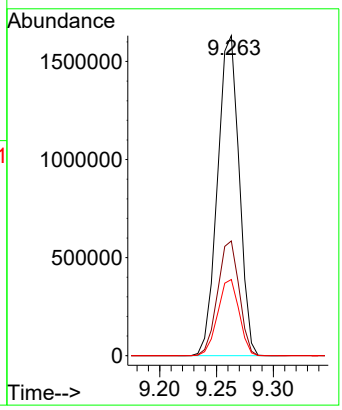


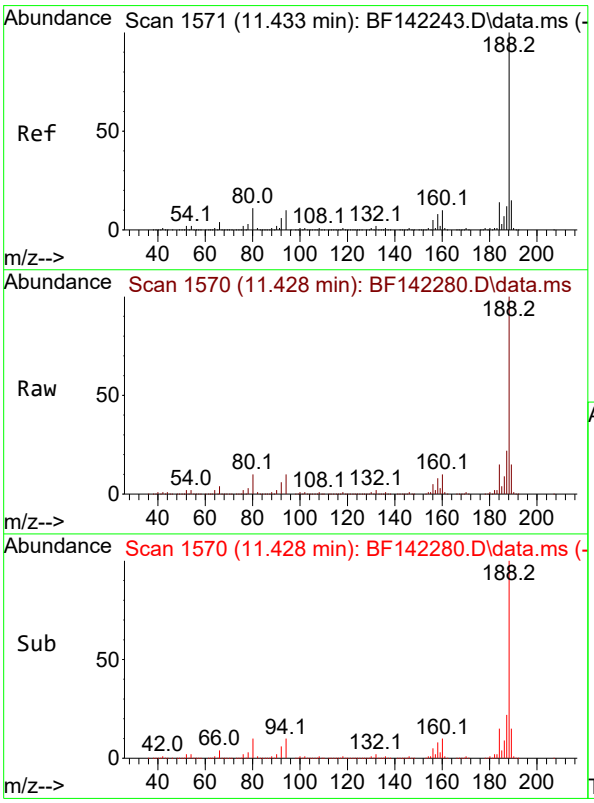
#45
2-Fluorobiphenyl
Concen: 114.396 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:172 Resp: 2159177

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.8	19.4	29.0

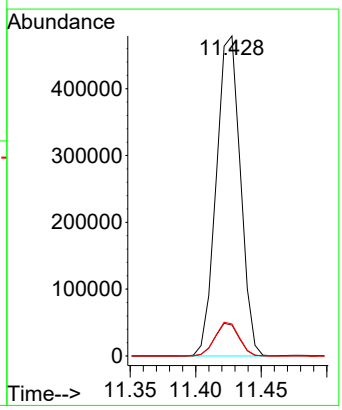


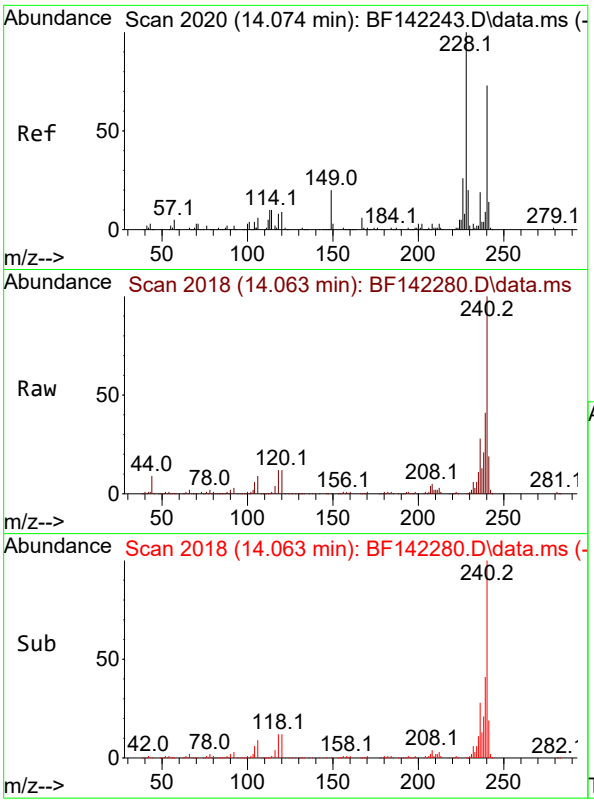


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:188 Resp: 611583

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	10.0	8.6	12.8



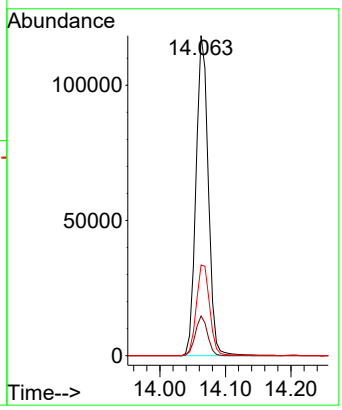


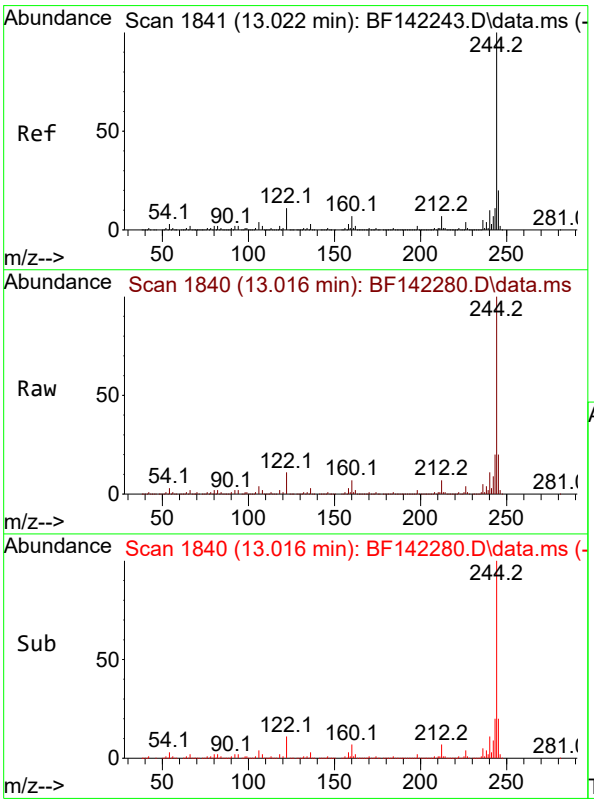
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:240 Resp: 154727

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.1	15.1
236	28.4	20.5	30.7

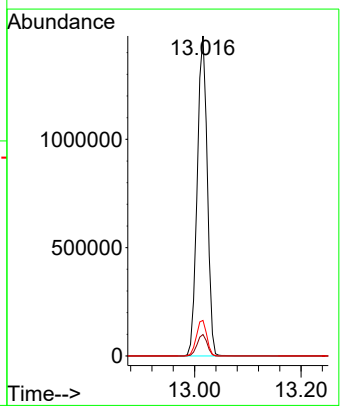


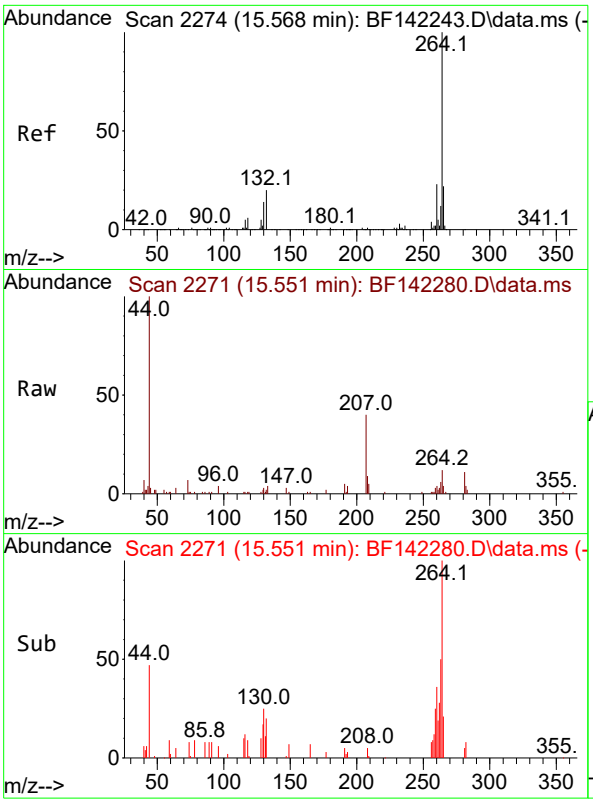


#79
Terphenyl-d14
Concen: 181.263 ng
RT: 13.016 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Tgt Ion:244 Resp: 1928369

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	11.1	9.1	13.7



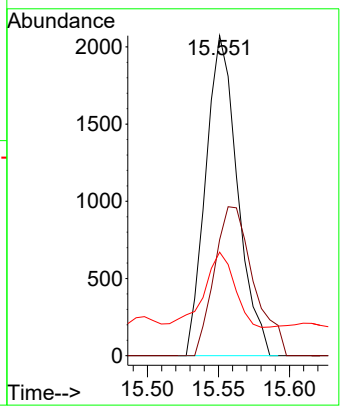


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142280.D
Acq: 02 May 2025 13:53

Instrument :
BNA_F
ClientSampleId :
B-167-SB02

Tgt Ion:264 Resp: 3229

Ion	Ratio	Lower	Upper
264	100		
260	36.3	18.4	27.6#
265	32.4	17.3	25.9#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024529.D
Acq On : 05 May 2025 17:26
Operator : RC/JU
Sample : Q1901-10RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Quant Time: May 05 18:21:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

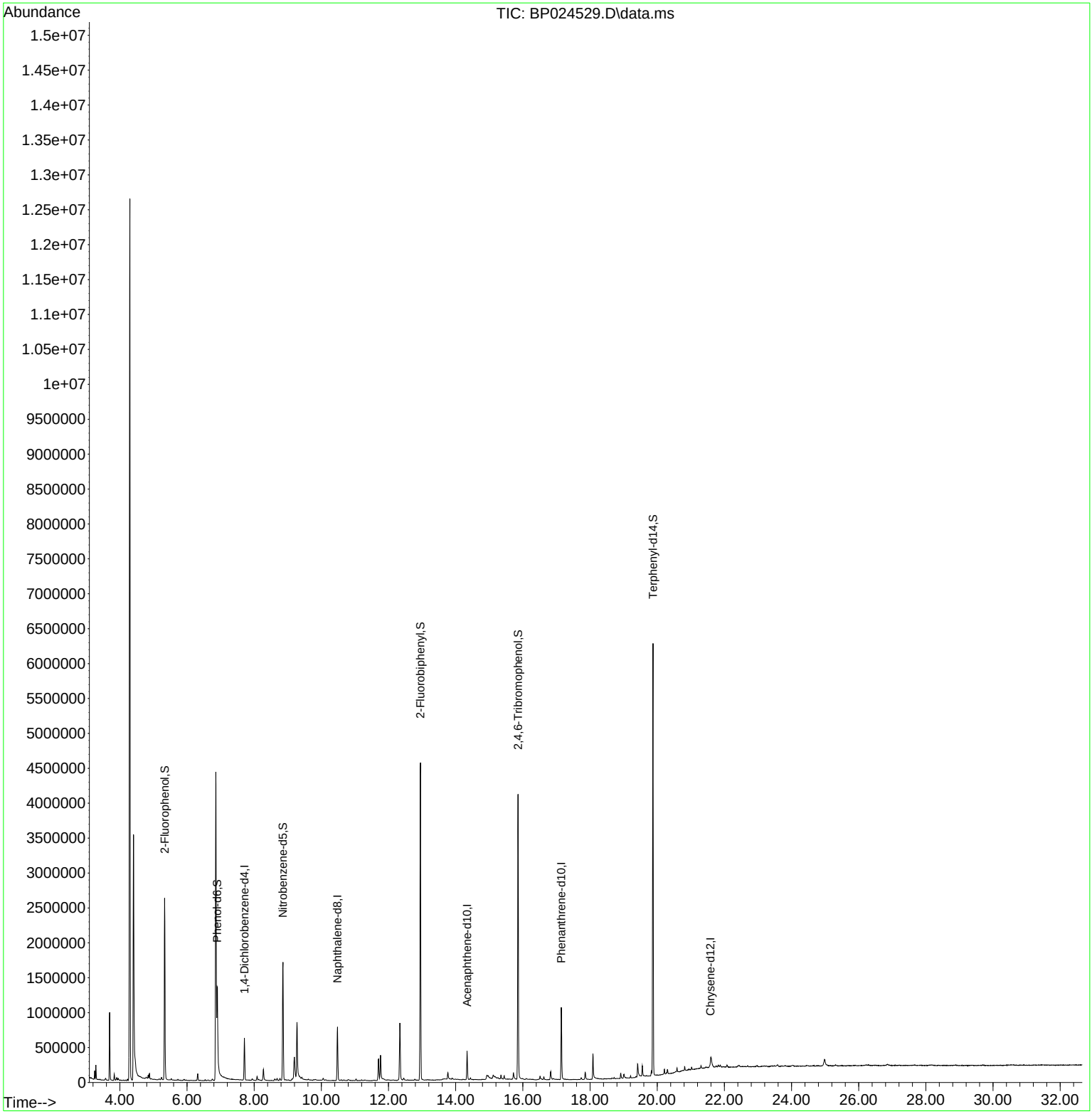
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	159015	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	625316	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	112223	20.000	ng	#-0.01
64) Phenanthrene-d10	17.145	188	431364	20.000	ng	0.00
76) Chrysene-d12	21.586	240	43410	20.000	ng	# 0.00
86) Perylene-d12	0.000	264	0m	20.000	ng	-24.93
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1105558	114.957	ng	-0.01
7) Phenol-d6	6.899	99	548086	41.621	ng	-0.01
23) Nitrobenzene-d5	8.858	82	1019694	92.984	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	859661	553.668	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2297807	313.500	ng	-0.01
79) Terphenyl-d14	19.875	244	1941631	901.549	ng	0.00
Target Compounds						Qvalue

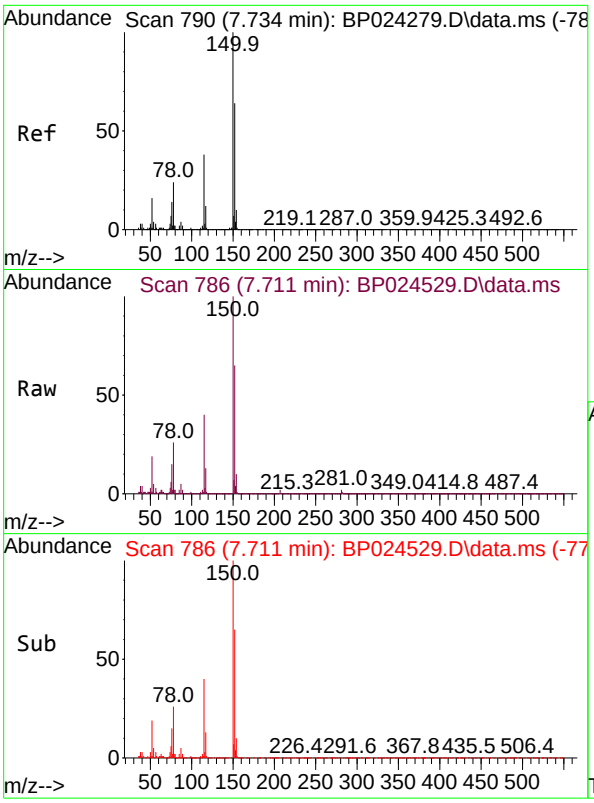
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024529.D
Acq On : 05 May 2025 17:26
Operator : RC/JU
Sample : Q1901-10RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Quant Time: May 05 18:21:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



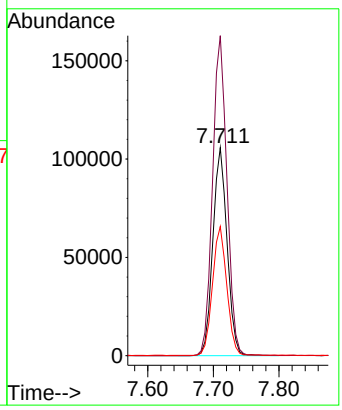


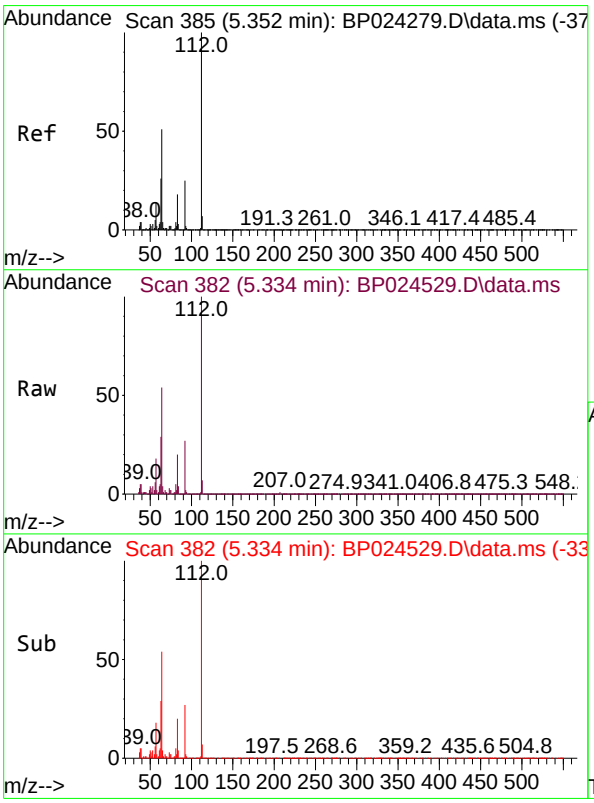
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion:152 Resp: 159015

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.9	187.3
115	62.1	47.7	71.5

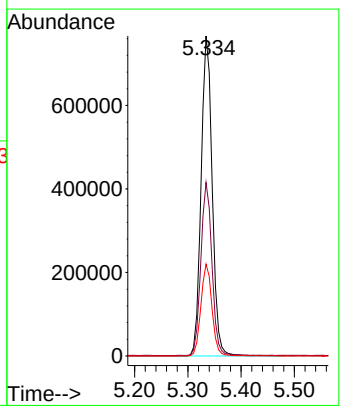


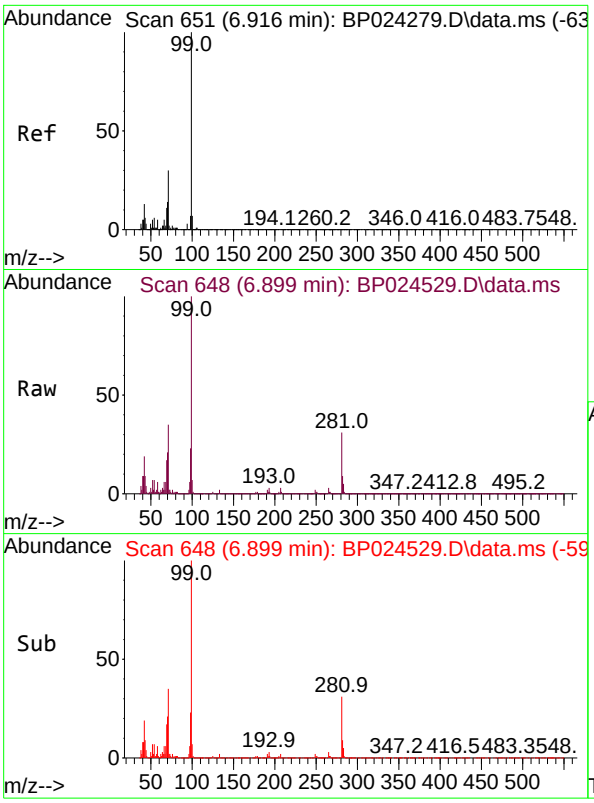


#5
2-Fluorophenol
Concen: 114.957 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:112 Resp: 1105558

Ion	Ratio	Lower	Upper
112	100		
64	54.2	41.1	61.7
63	28.7	20.6	30.8



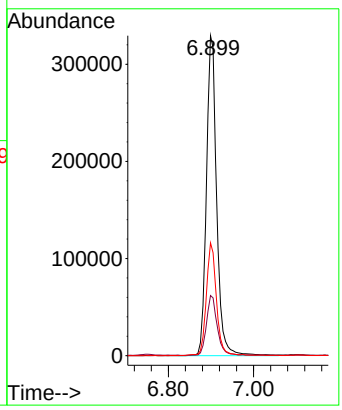


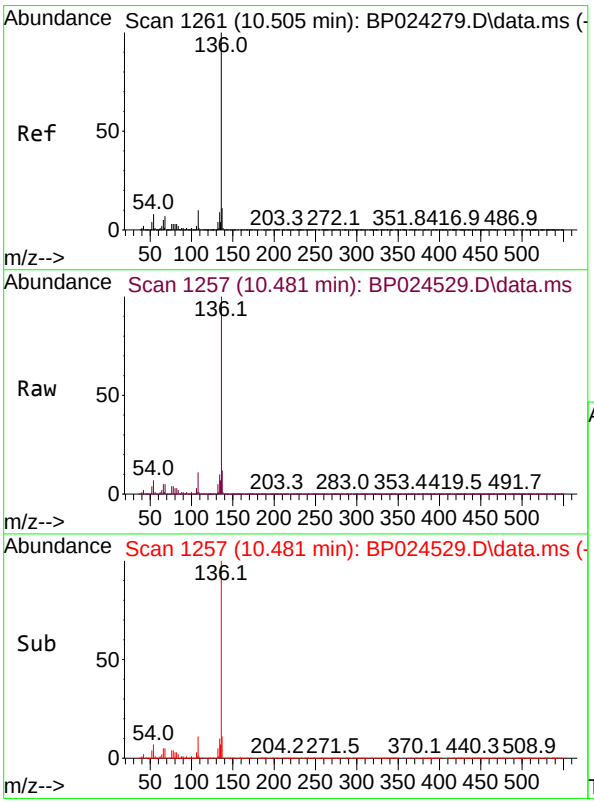
#7
Phenol-d6
Concen: 41.621 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion: 99 Resp: 548086

Ion	Ratio	Lower	Upper
99	100		
42	18.8	10.6	16.0#
71	35.2	23.7	35.5

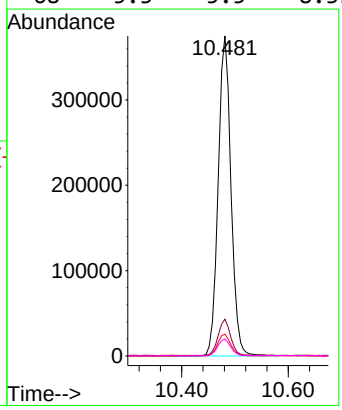


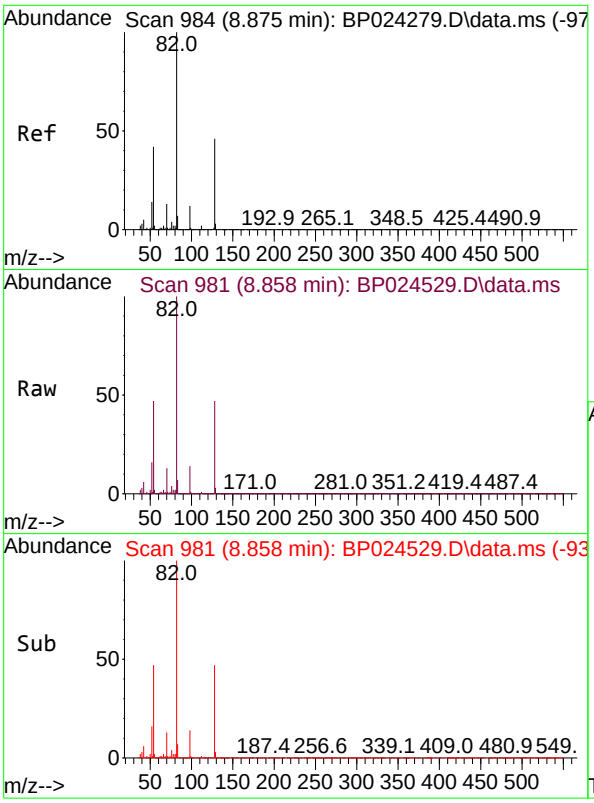


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.017 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:136 Resp: 625316

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.8	6.0	9.0
68	5.3	5.5	8.3#



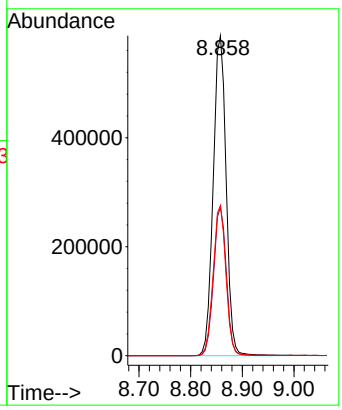


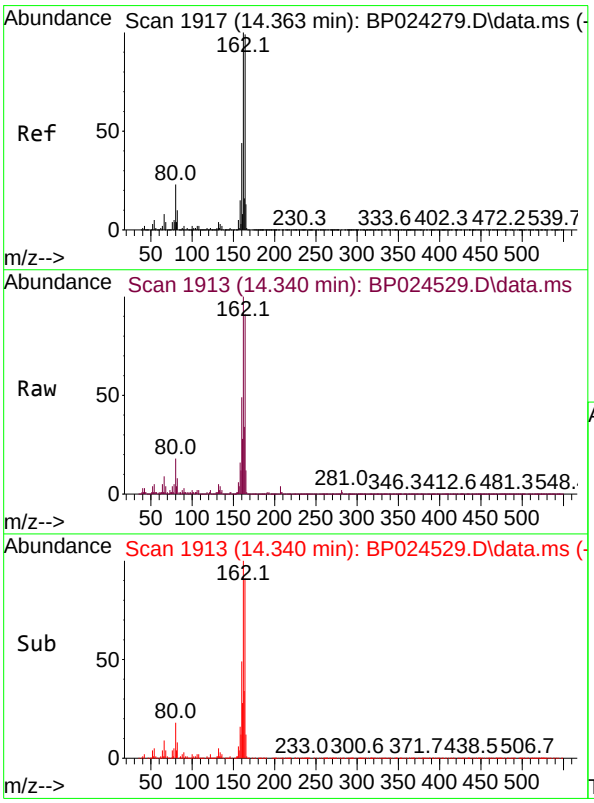
#23
Nitrobenzene-d5
Concen: 92.984 ng
RT: 8.858 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion: 82 Resp: 1019694

Ion	Ratio	Lower	Upper
82	100		
128	46.6	36.5	54.7
54	46.9	33.4	50.2

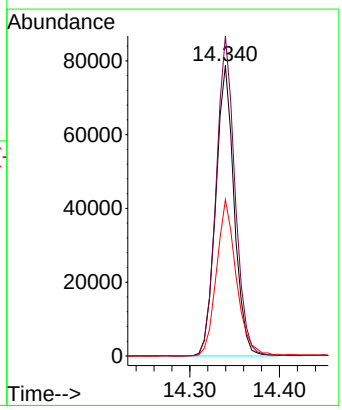


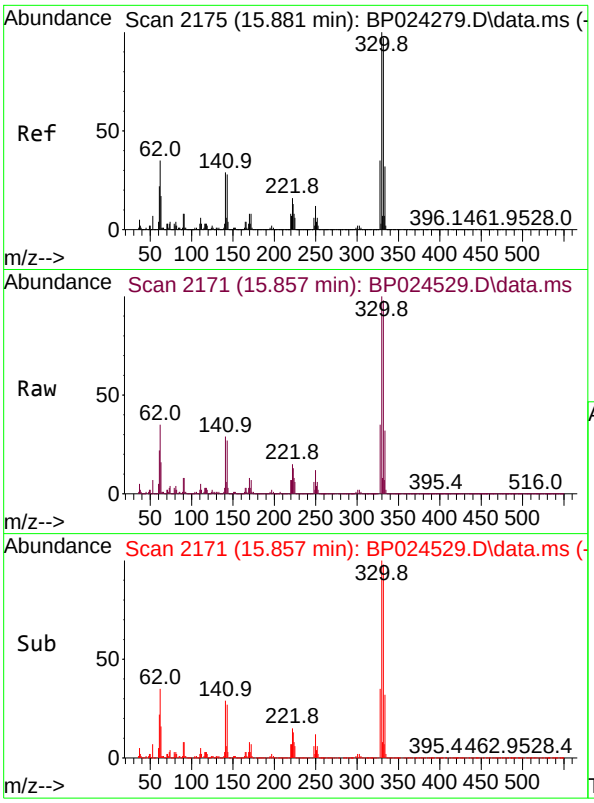


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:164 Resp: 112223

Ion	Ratio	Lower	Upper
164	100		
162	110.1	80.6	120.8
160	53.8	35.3	52.9#



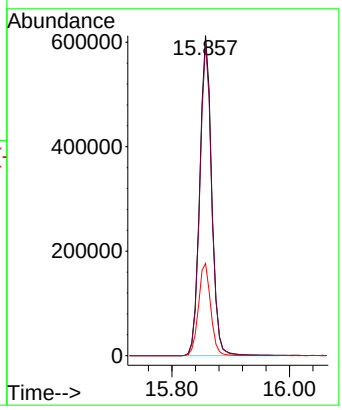


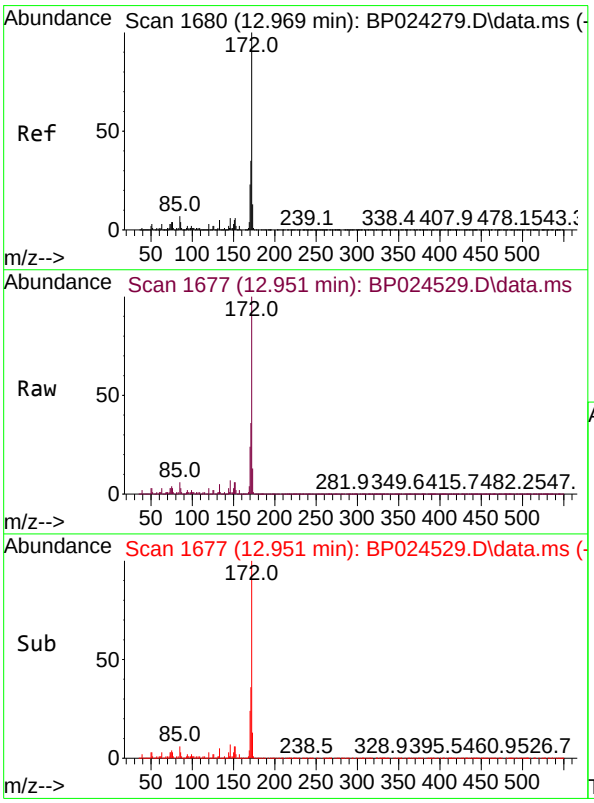
#42
2,4,6-Tribromophenol
Concen: 553.668 ng
RT: 15.857 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion:330 Resp: 859661

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	29.6	24.7	37.1

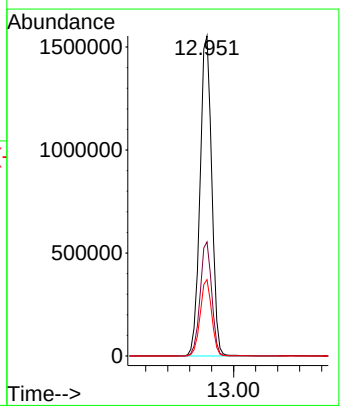


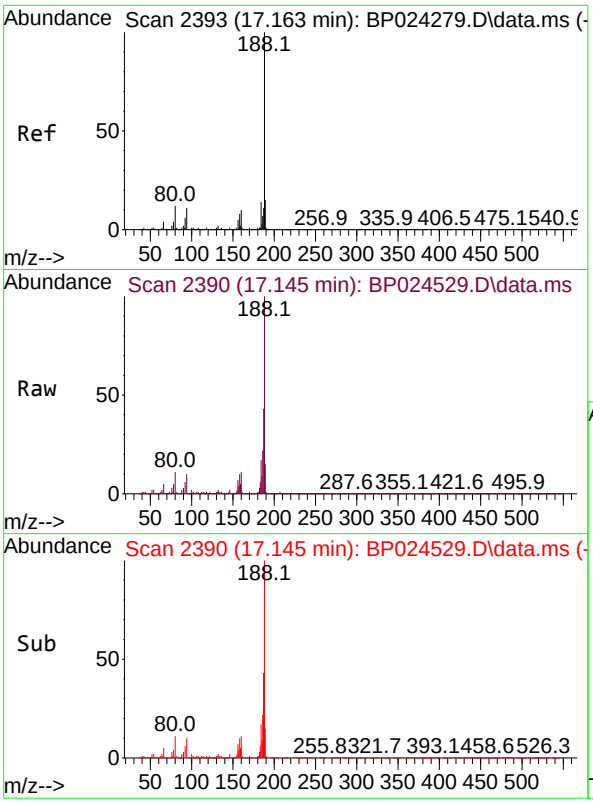


#45
2-Fluorobiphenyl
Concen: 313.500 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:172 Resp: 2297807

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.9	18.6	27.8



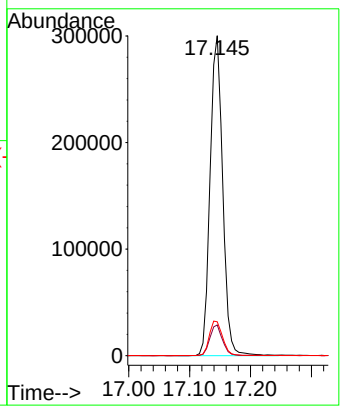


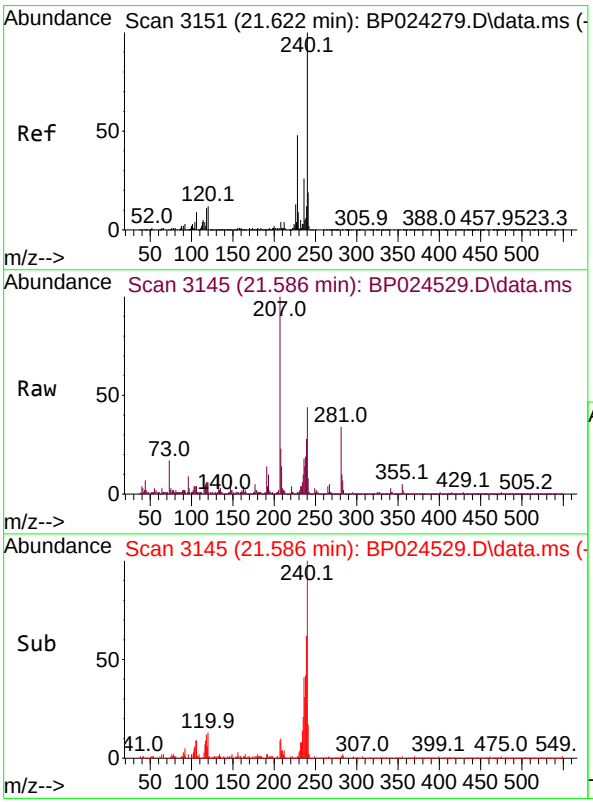
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion:188 Resp: 431364

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.6	13.0
80	10.6	9.8	14.6

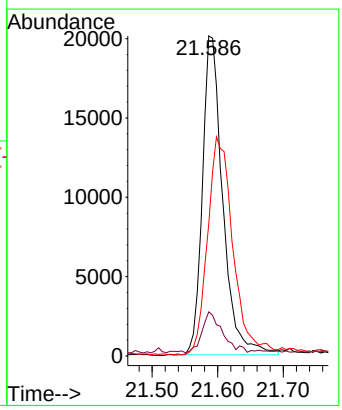


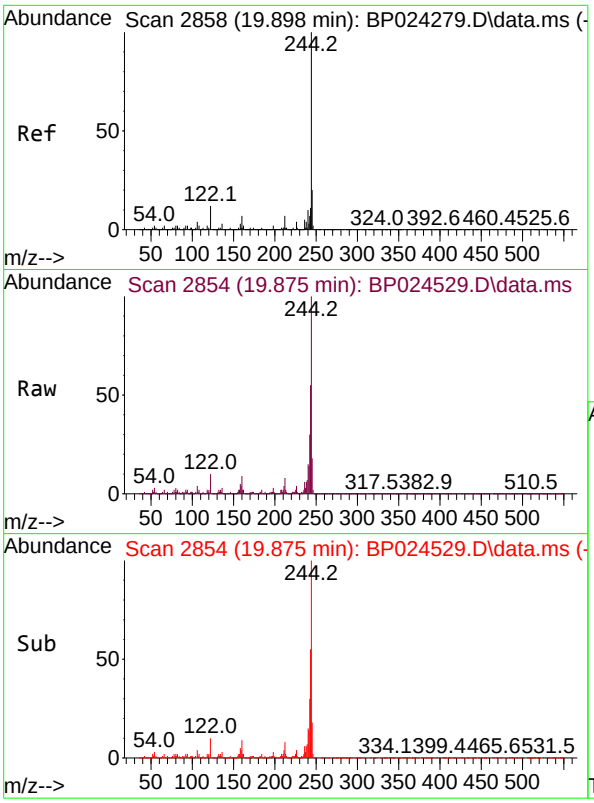


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.586 min Scan# 3145
Delta R.T. -0.006 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion:240 Resp: 43410

Ion	Ratio	Lower	Upper
240	100		
120	13.8	9.8	14.8
236	41.3	20.9	31.3#



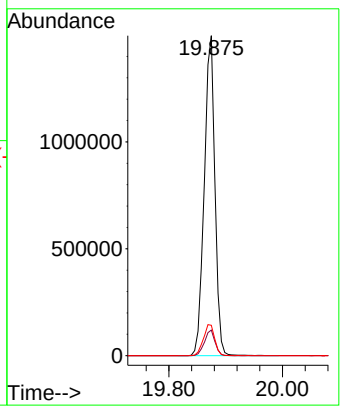


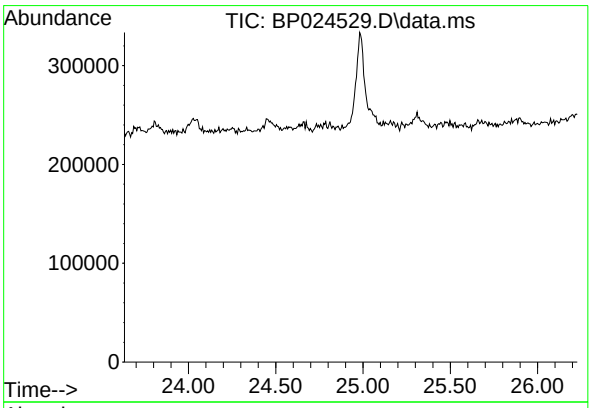
#79
Terphenyl-d14
Concen: 901.549 ng
RT: 19.875 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024529.D
Acq: 05 May 2025 17:26

Instrument :
BNA_P
ClientSampleId :
B-167-SB02RE

Tgt Ion:244 Resp: 1941631

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.6	8.4
122	9.5	9.4	14.0



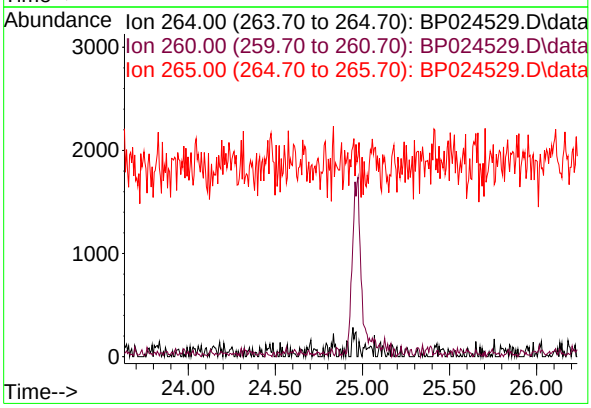


#86
Perylene-d12
Concen: 0.000 ng
Expected RT: 24.93 min

Lab File: BP024529.D
Acq: 05 May 2025 17:26

Tgt Ion: 264

Sig	Exp Ratio
264	100
260	23.6
265	22.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142281.D
Acq On : 02 May 2025 14:22
Operator : RC/JU
Sample : Q1901-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Time: May 02 15:21:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

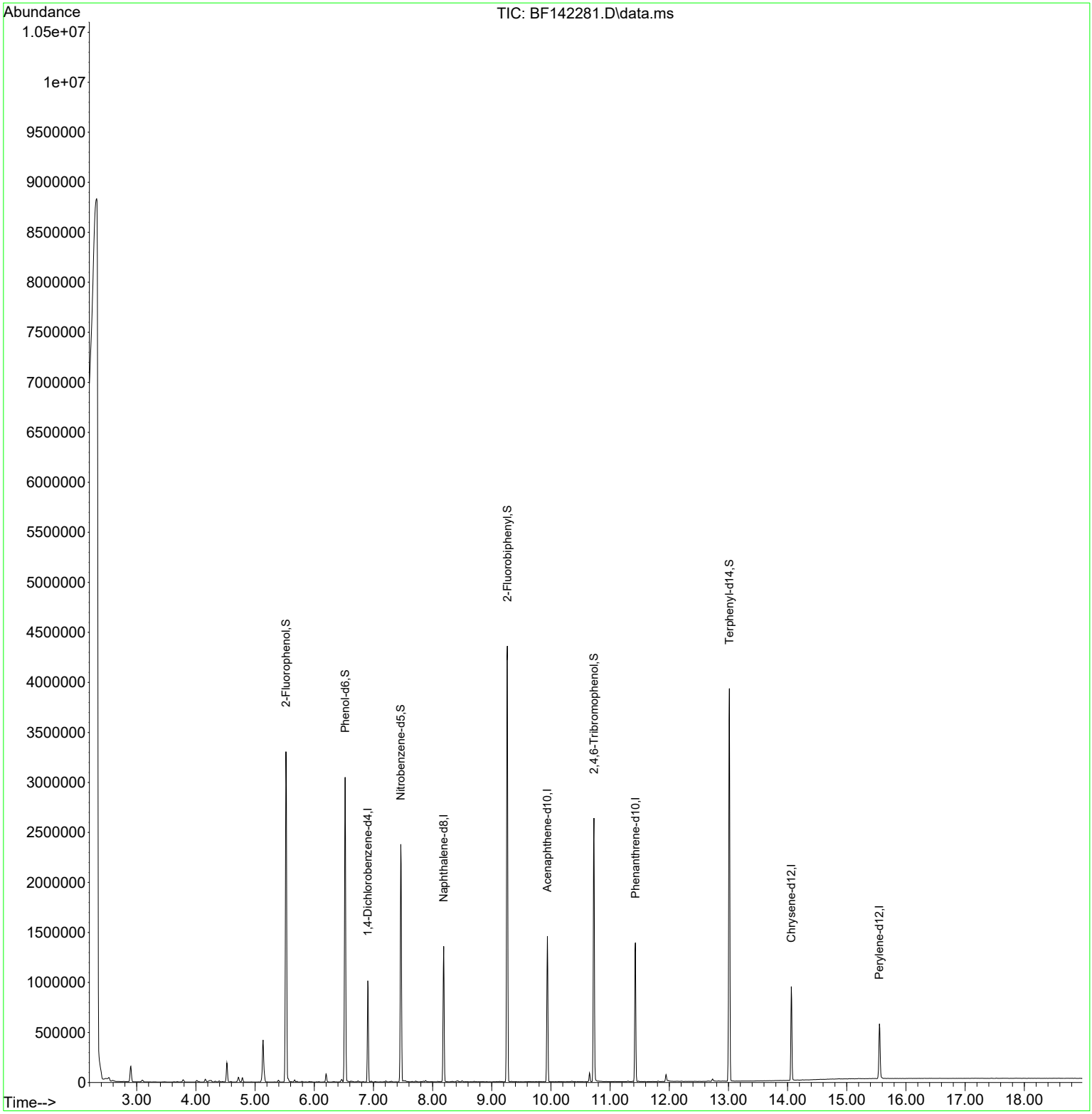
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	213953	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	820195	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	417687	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	704817	20.000	ng	0.00
76) Chrysene-d12	14.063	240	439553	20.000	ng	-0.01
86) Perylene-d12	15.551	264	313049	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1264763	94.409	ng	0.00
7) Phenol-d6	6.522	99	1431879	88.511	ng	0.00
23) Nitrobenzene-d5	7.463	82	992258	79.479	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	458282	120.354	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2003805	67.641	ng	0.00
79) Terphenyl-d14	13.016	244	1927099	63.764	ng	0.00
Target Compounds						Qvalue

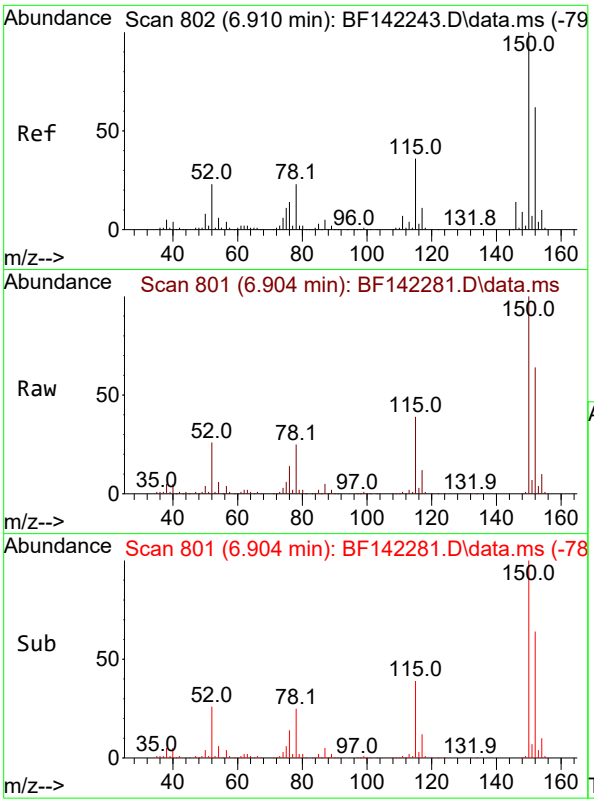
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142281.D
Acq On : 02 May 2025 14:22
Operator : RC/JU
Sample : Q1901-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Quant Time: May 02 15:21:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



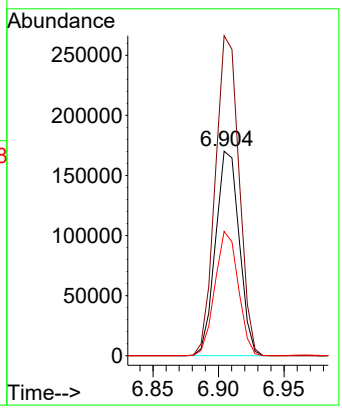


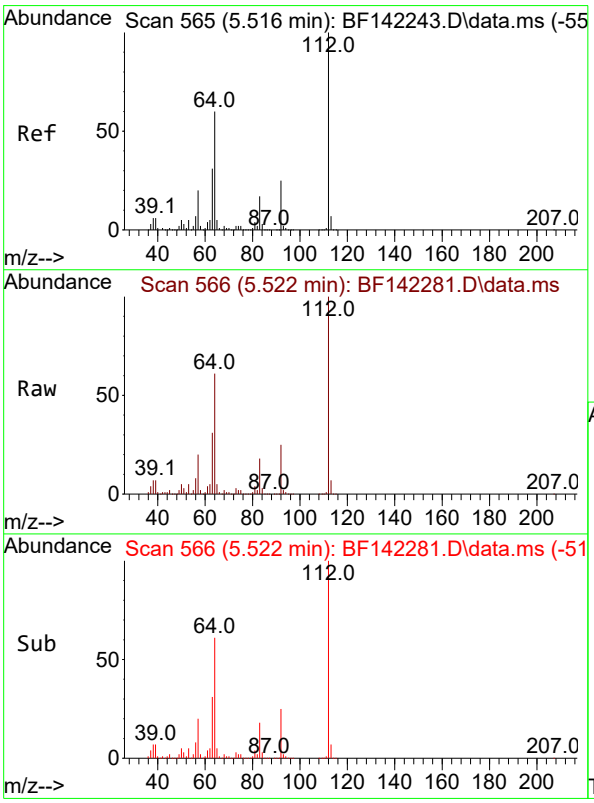
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:152 Resp: 213953

Ion	Ratio	Lower	Upper
152	100		
150	156.5	130.2	195.2
115	60.8	47.0	70.4

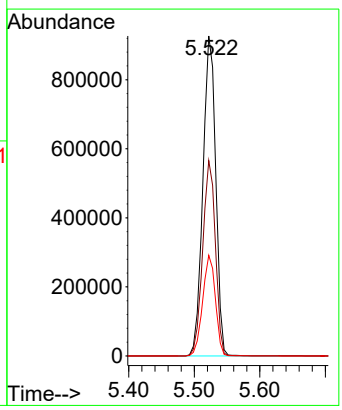


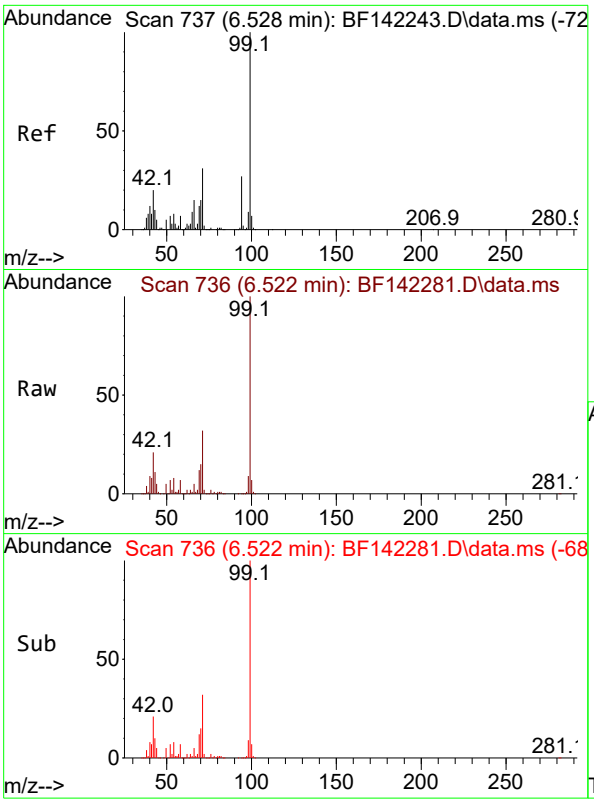


#5
2-Fluorophenol
Concen: 94.409 ng
RT: 5.522 min Scan# 566
Delta R.T. 0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:112 Resp: 1264763

Ion	Ratio	Lower	Upper
112	100		
64	61.0	48.4	72.6
63	31.5	24.8	37.2



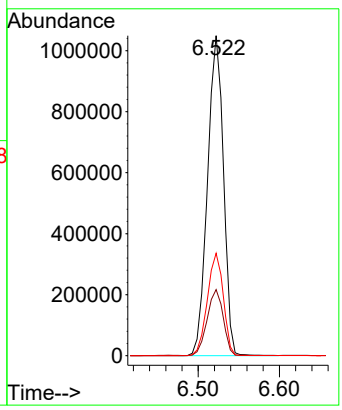


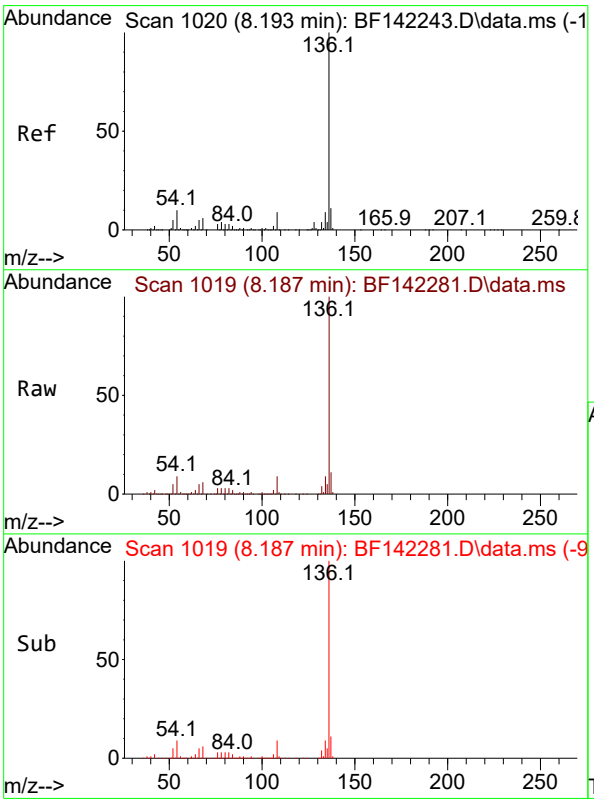
#7
Phenol-d6
Concen: 88.511 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion: 99 Resp: 1431879

Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.3	24.5
71	32.0	25.0	37.4

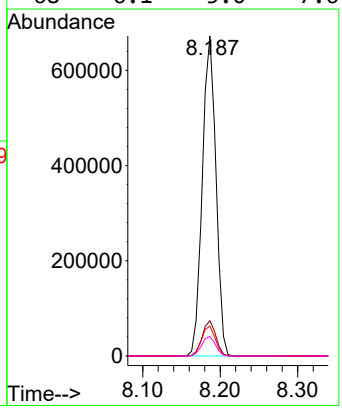


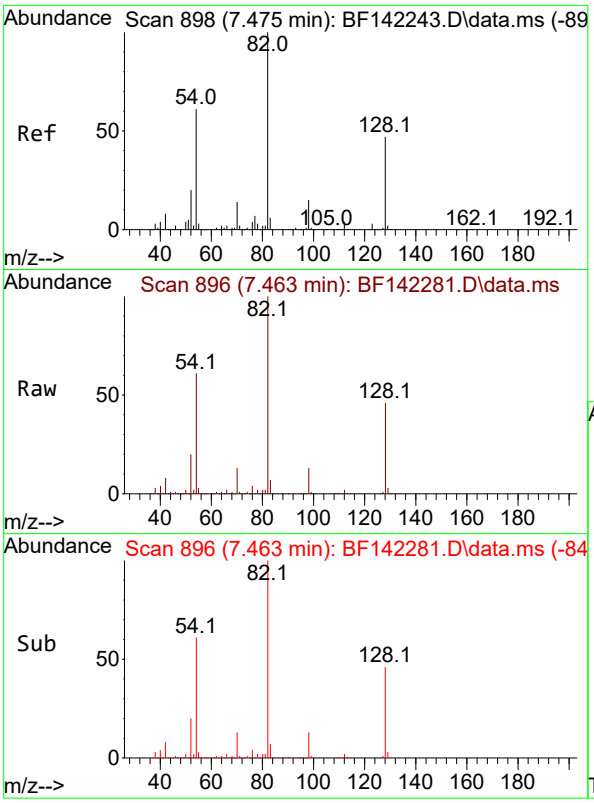


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:136 Resp: 820195

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.3	7.7	11.5
68	6.1	5.0	7.6



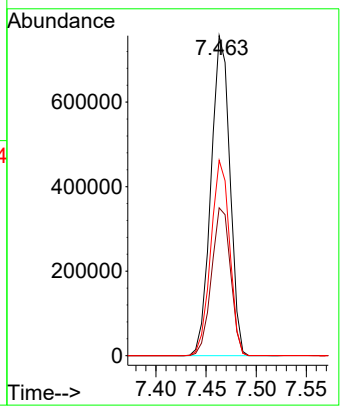


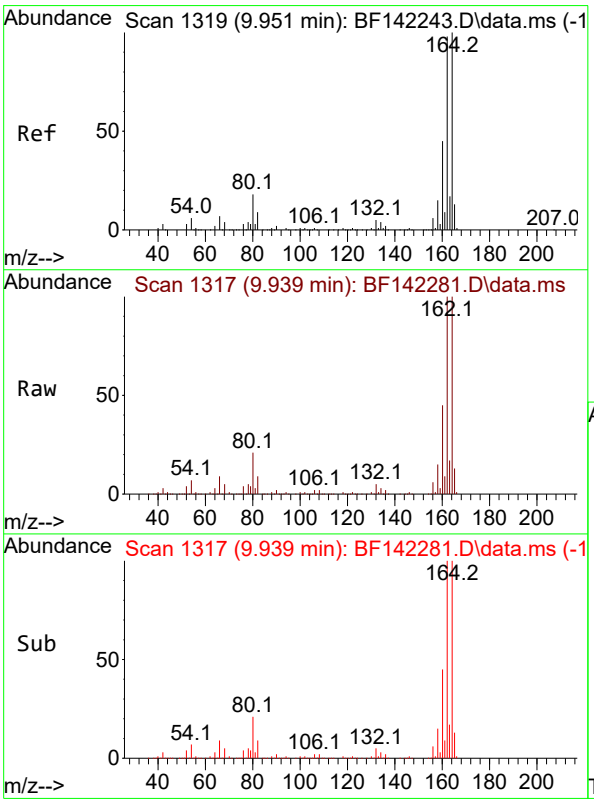
#23
Nitrobenzene-d5
Concen: 79.479 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion: 82 Resp: 992258

Ion	Ratio	Lower	Upper
82	100		
128	46.2	37.0	55.6
54	61.0	48.0	72.0

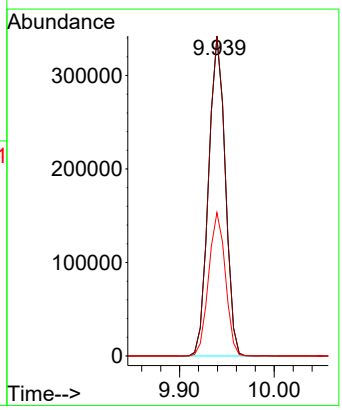


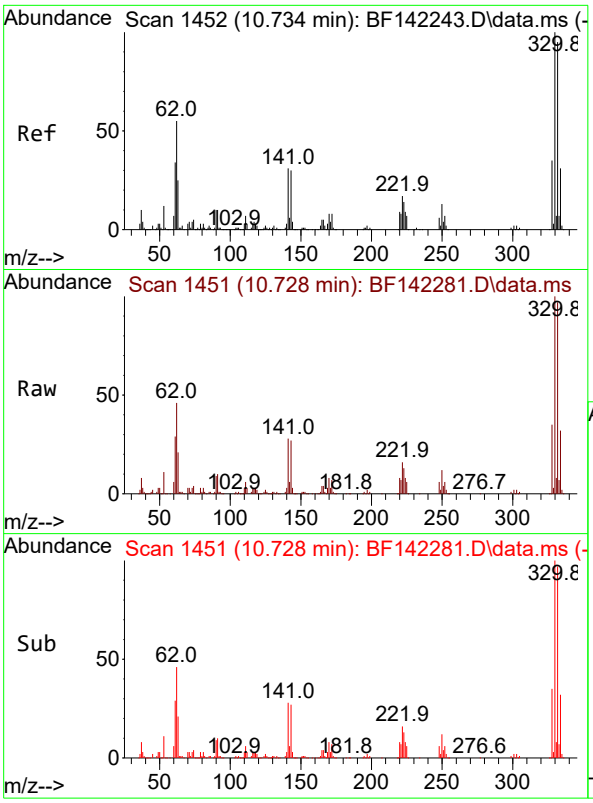


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:164 Resp: 417687

Ion	Ratio	Lower	Upper
164	100		
162	100.3	78.6	117.8
160	45.0	35.7	53.5



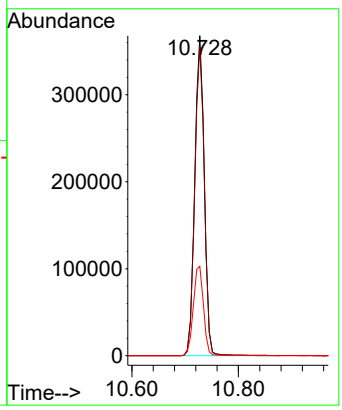


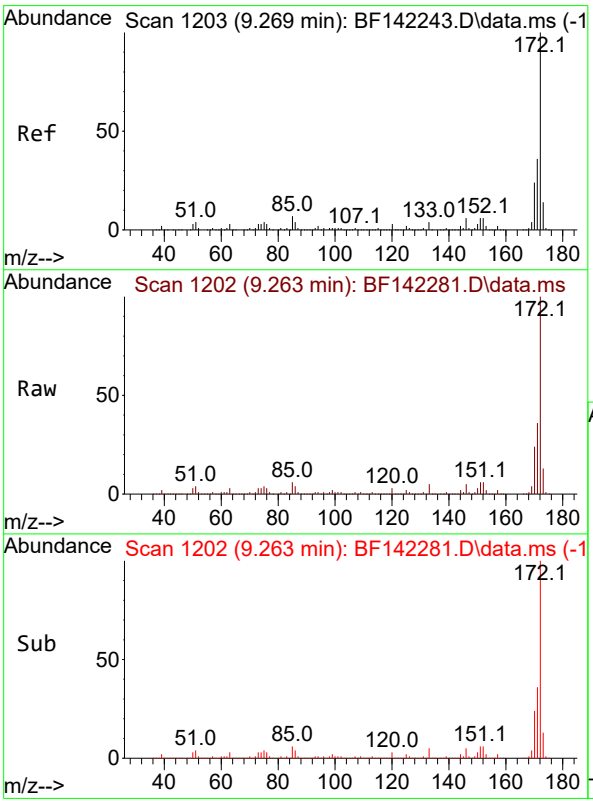
#42
2,4,6-Tribromophenol
Concen: 120.354 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:330 Resp: 458282

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	29.6	24.3	36.5

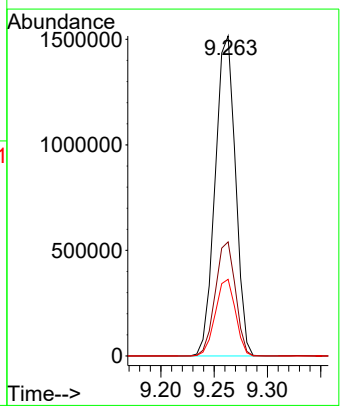


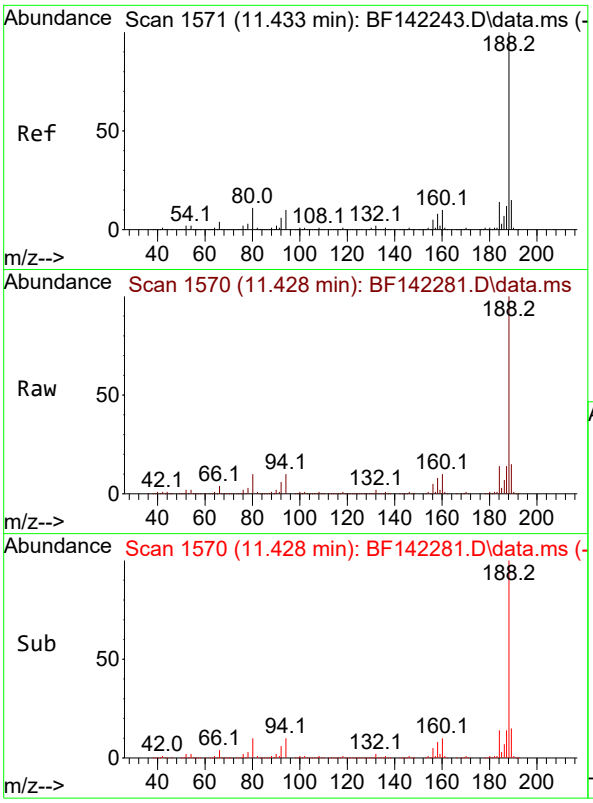


#45
2-Fluorobiphenyl
Concen: 67.641 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:172 Resp: 2003805

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	24.0	19.4	29.0



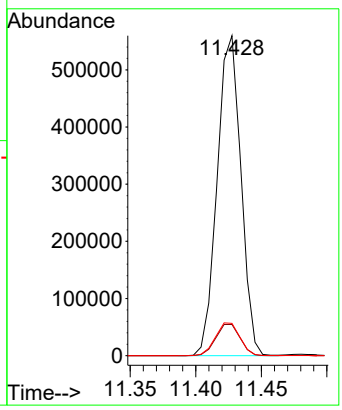


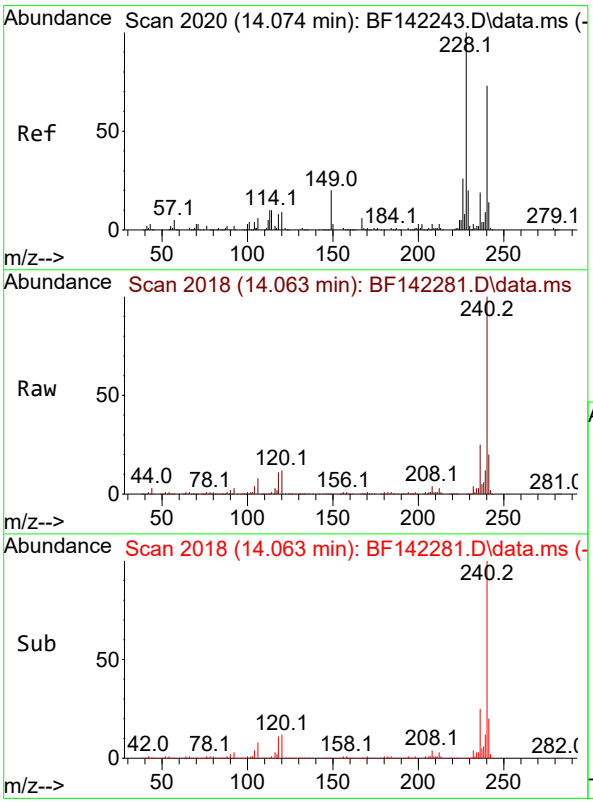
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:188 Resp: 704817

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.2	12.2
80	10.1	8.6	12.8

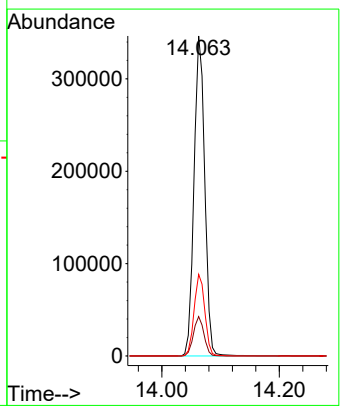


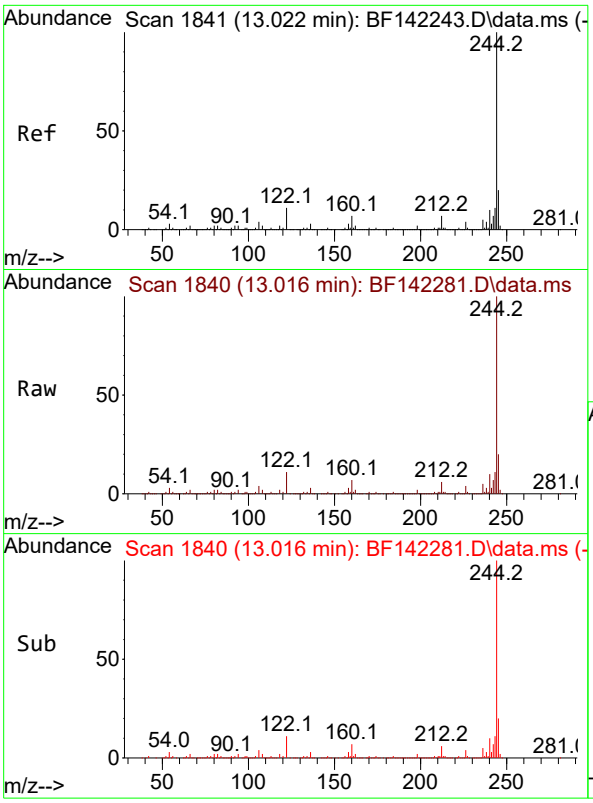


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:240 Resp: 439553

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.1	15.1
236	25.5	20.5	30.7



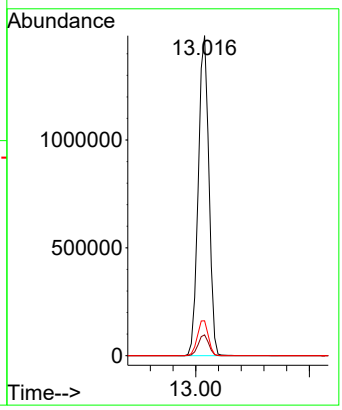


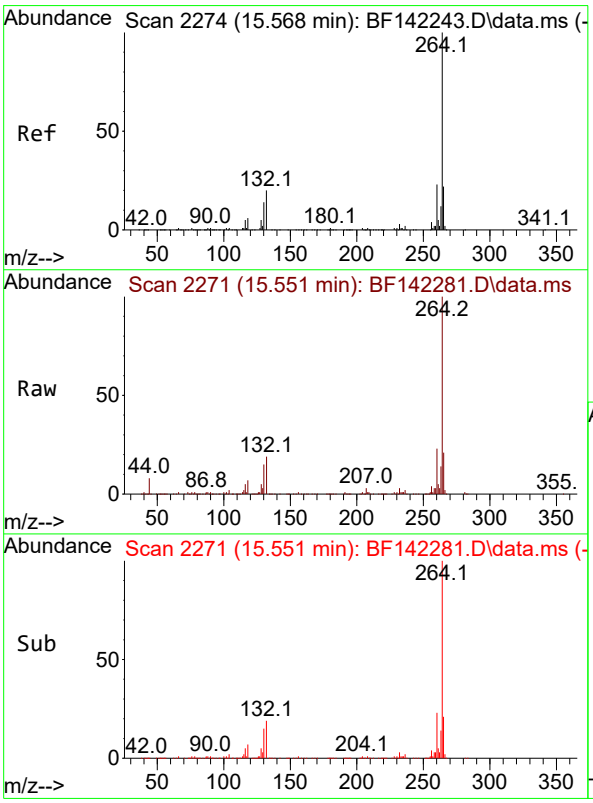
#79
Terphenyl-d14
Concen: 63.764 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Instrument :
BNA_F
ClientSampleId :
B-170-SB02

Tgt Ion:244 Resp: 1927099

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.3	7.9
122	10.9	9.1	13.7

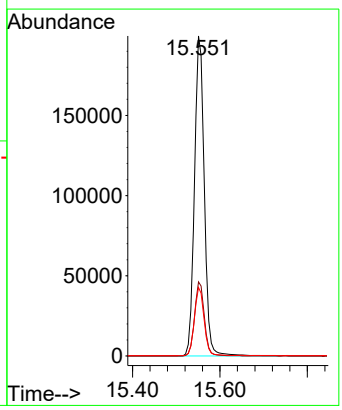




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.018 min
Lab File: BF142281.D
Acq: 02 May 2025 14:22

Tgt Ion:264 Resp: 313049

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	21.4	17.3	25.9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142254.D
Acq On : 01 May 2025 12:10
Operator : RC/JU
Sample : PB167810BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Quant Time: May 01 12:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

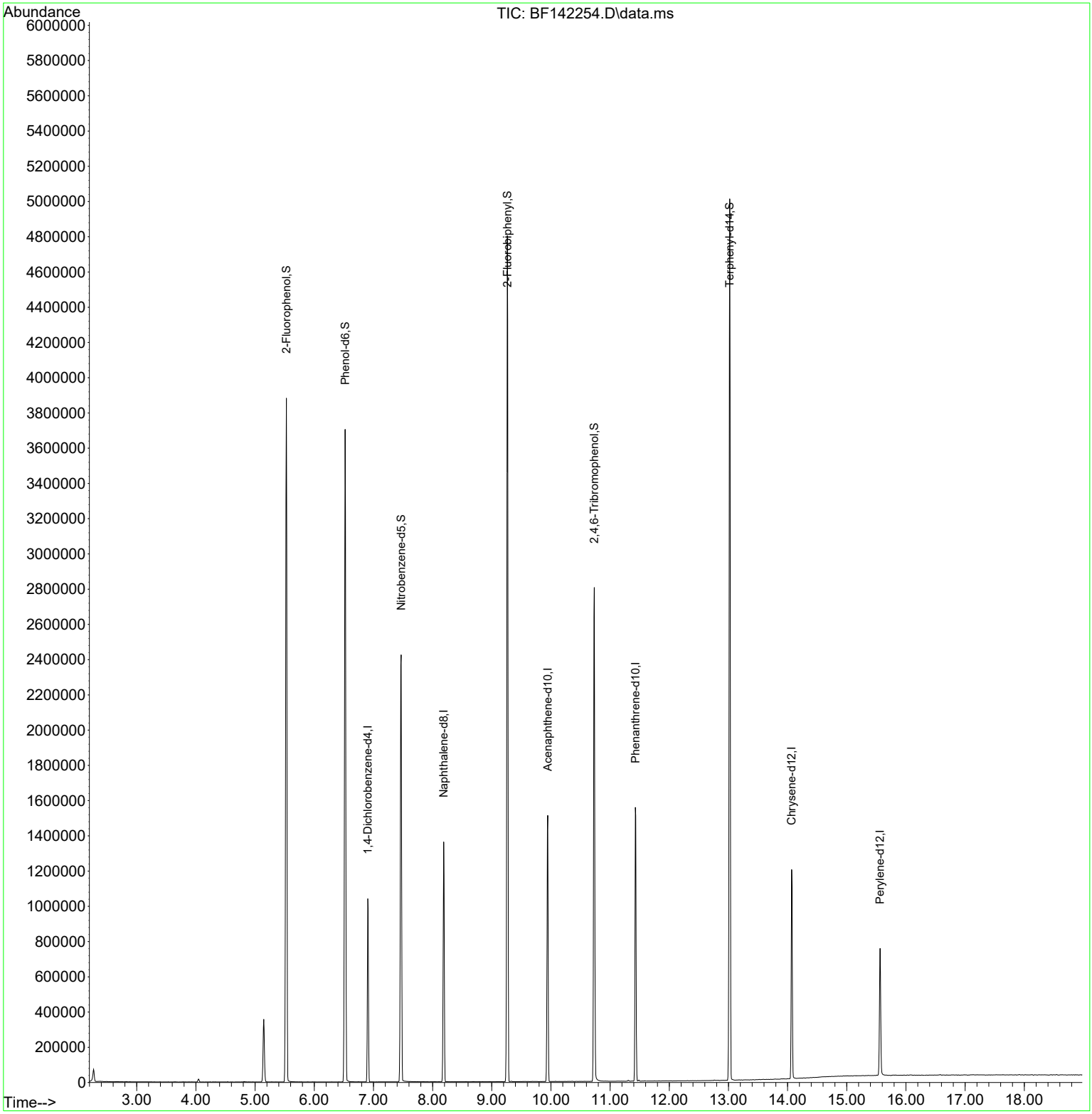
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	223997	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	857825	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	449926	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	794711	20.000	ng	0.00
76) Chrysene-d12	14.069	240	568207	20.000	ng	0.00
86) Perylene-d12	15.563	264	404816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1546121	110.236	ng	0.01
7) Phenol-d6	6.522	99	1853180	109.417	ng	0.00
23) Nitrobenzene-d5	7.469	82	1087156	83.261	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	508946	124.082	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2205083	69.102	ng	0.00
79) Terphenyl-d14	13.022	244	2472921	63.298	ng	0.00
Target Compounds						Qvalue

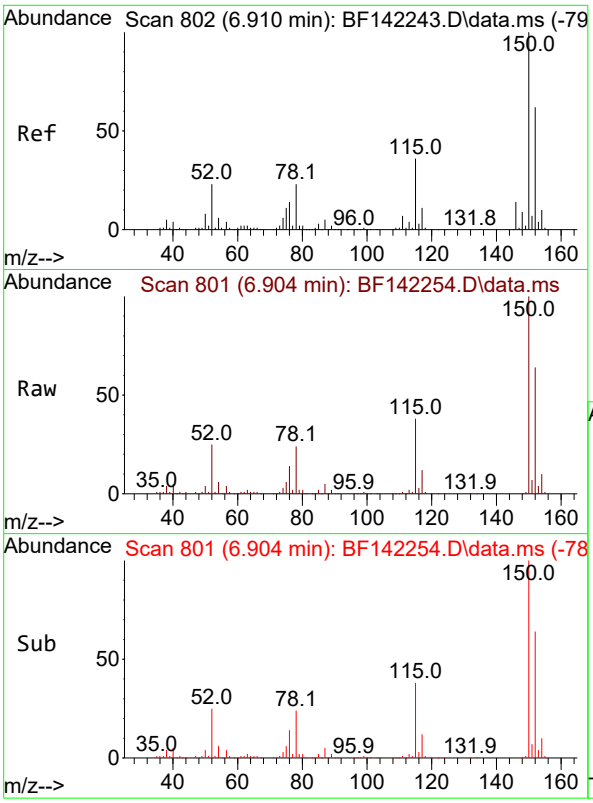
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142254.D
Acq On : 01 May 2025 12:10
Operator : RC/JU
Sample : PB167810BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Quant Time: May 01 12:47:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



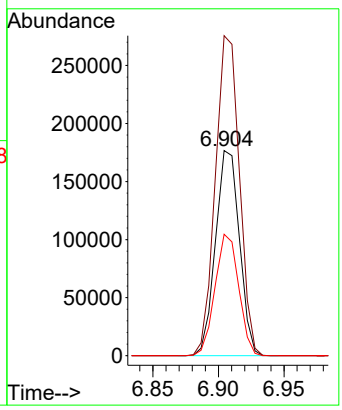


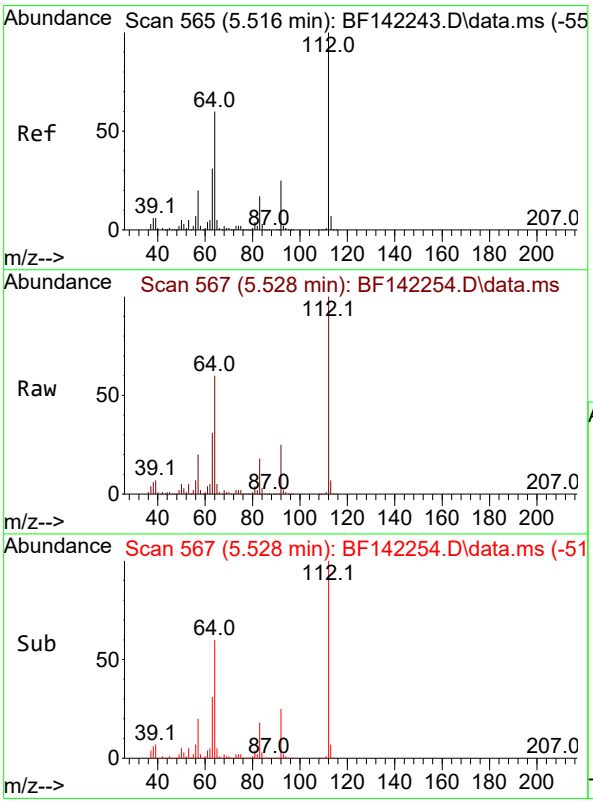
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:152 Resp: 223997

Ion	Ratio	Lower	Upper
152	100		
150	156.1	130.2	195.2
115	59.2	47.0	70.4

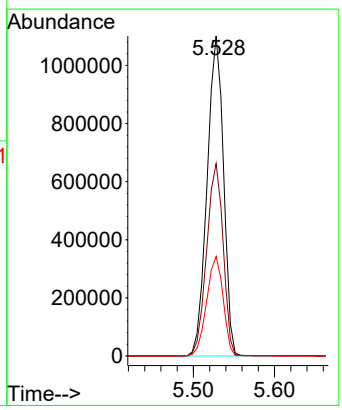


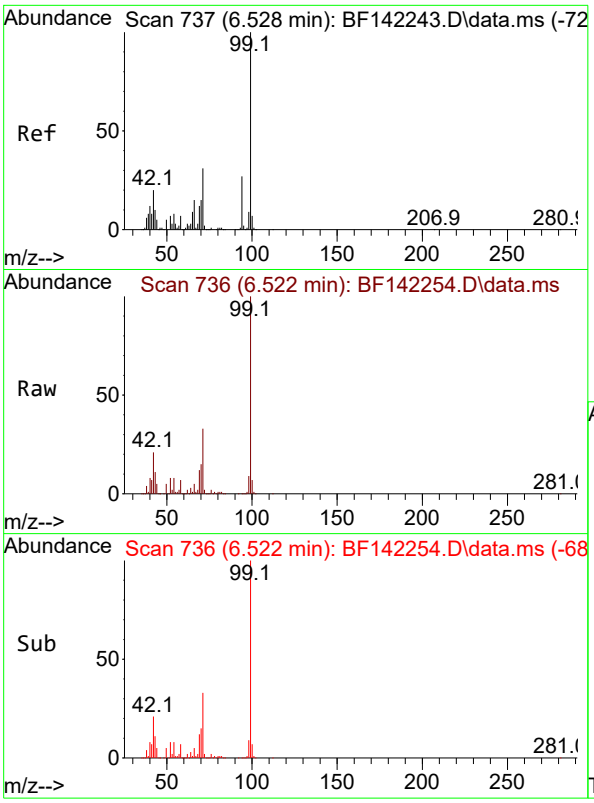


#5
2-Fluorophenol
Concen: 110.236 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:112 Resp: 1546121

Ion	Ratio	Lower	Upper
112	100		
64	60.1	48.4	72.6
63	31.1	24.8	37.2



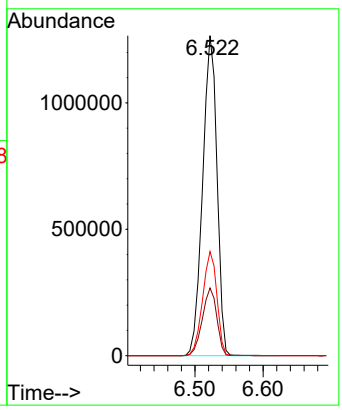


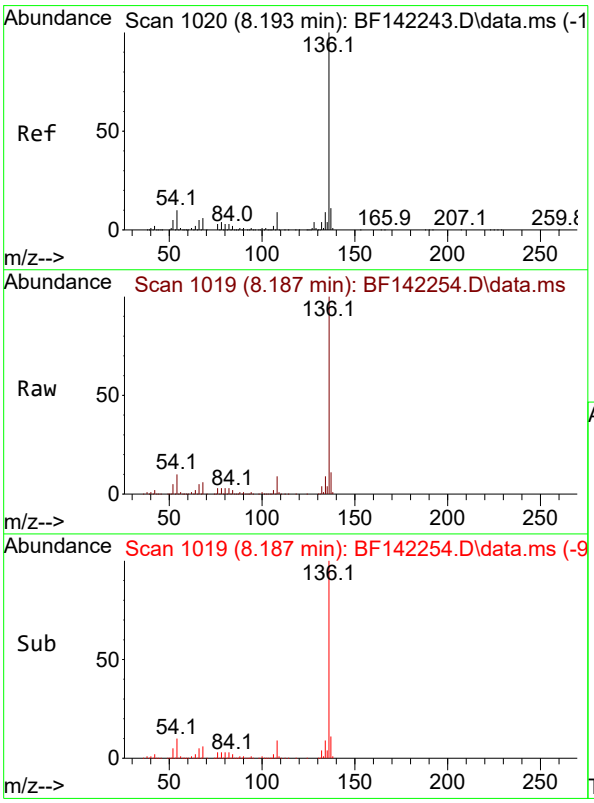
#7
Phenol-d6
Concen: 109.417 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion: 99 Resp: 1853180

Ion	Ratio	Lower	Upper
99	100		
42	21.1	16.3	24.5
71	32.5	25.0	37.4

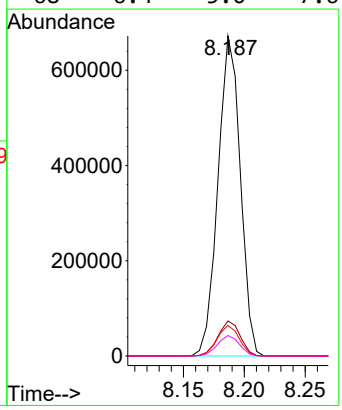


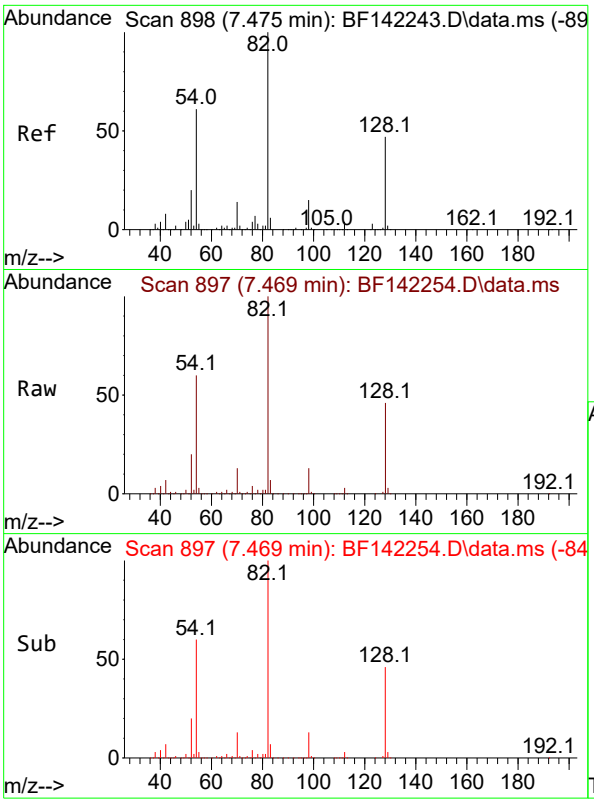


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:136 Resp: 857825

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	9.6	7.7	11.5
68	6.4	5.0	7.6



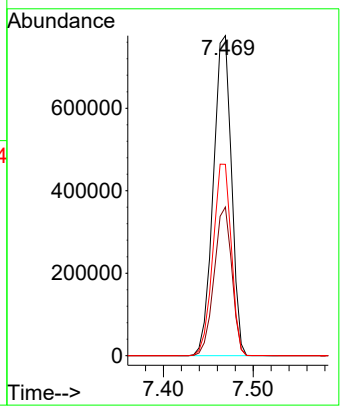


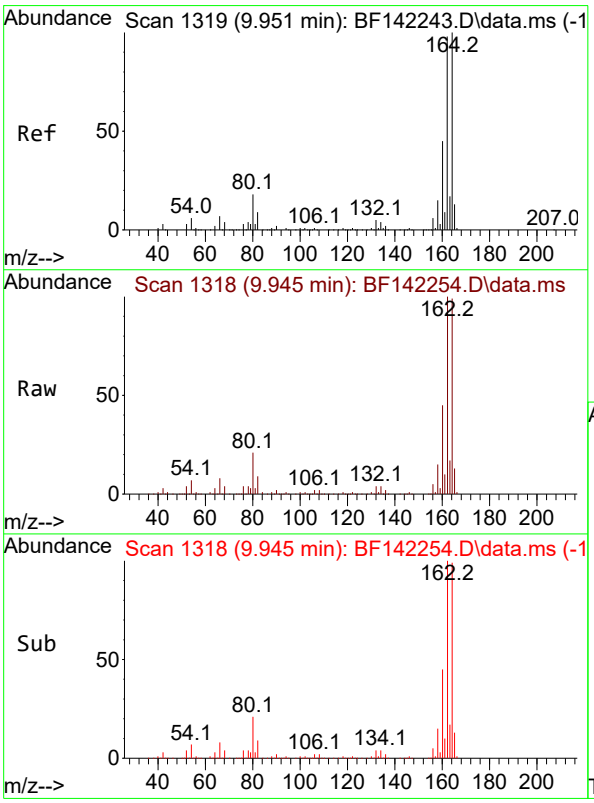
#23
Nitrobenzene-d5
Concen: 83.261 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion: 82 Resp: 1087156

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.6
54	59.8	48.0	72.0

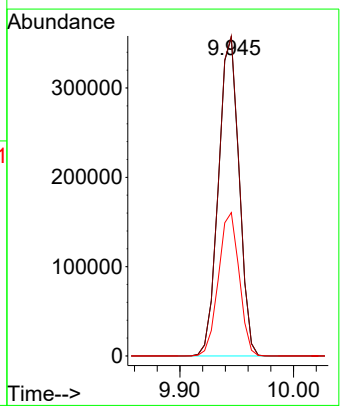


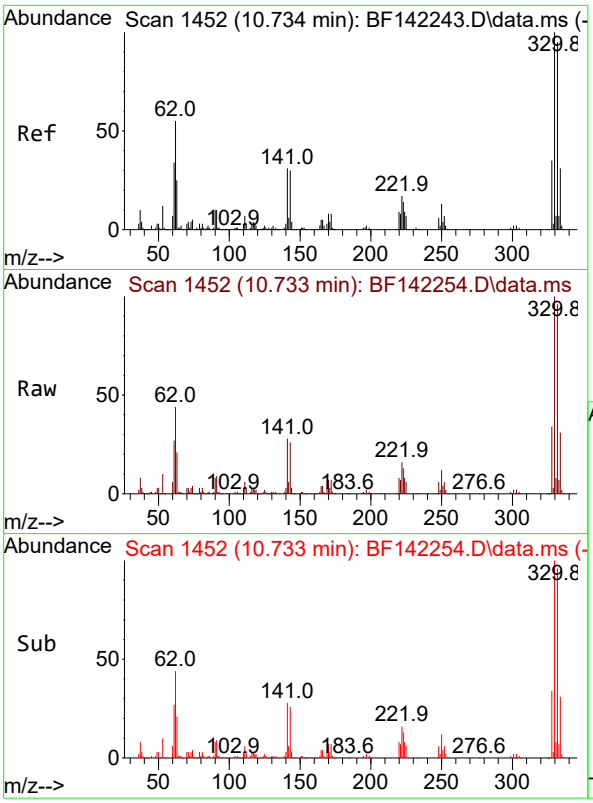


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:164 Resp: 449926

Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.6	117.8
160	45.1	35.7	53.5



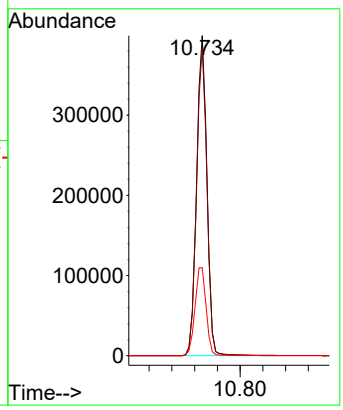


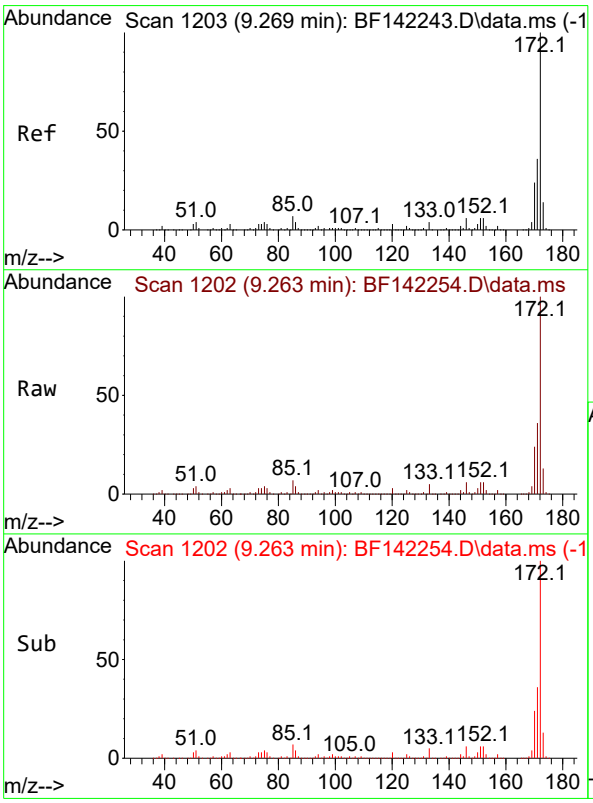
#42
2,4,6-Tribromophenol
Concen: 124.082 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:330 Resp: 508946

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.5	114.7
141	29.6	24.3	36.5

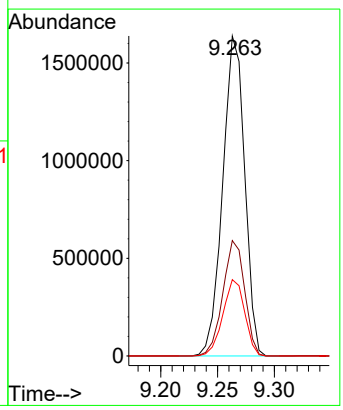


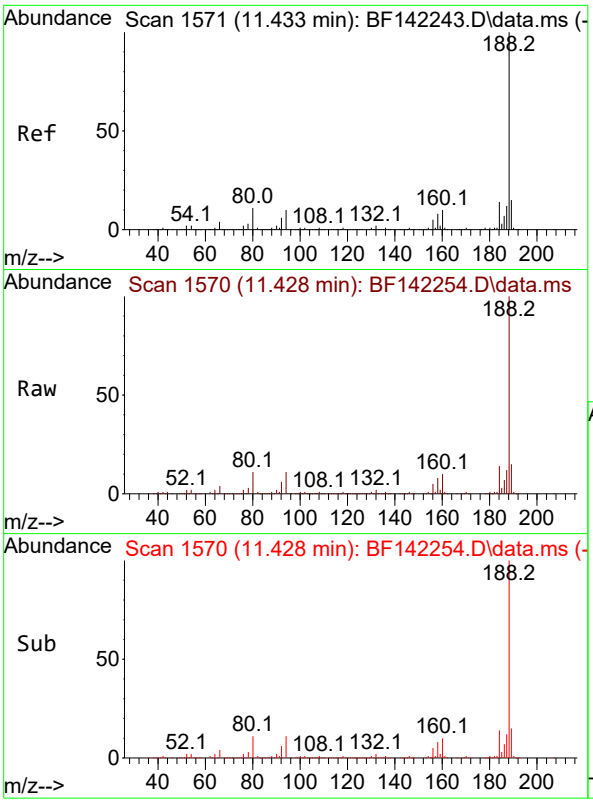


#45
2-Fluorobiphenyl
Concen: 69.102 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:172 Resp: 2205083

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	23.9	19.4	29.0



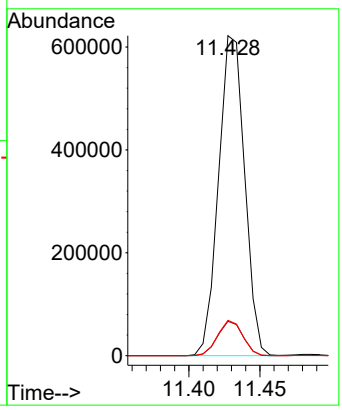


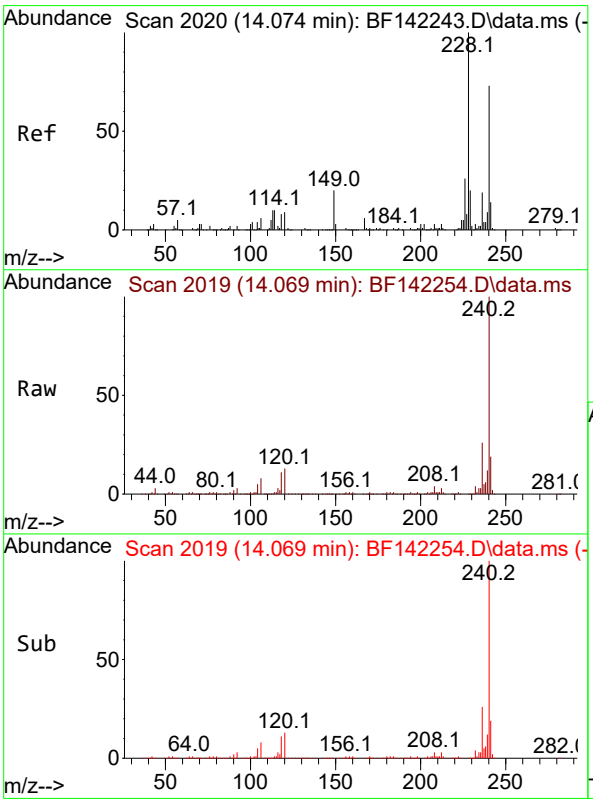
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:188 Resp: 794711

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.2	12.2
80	11.1	8.6	12.8

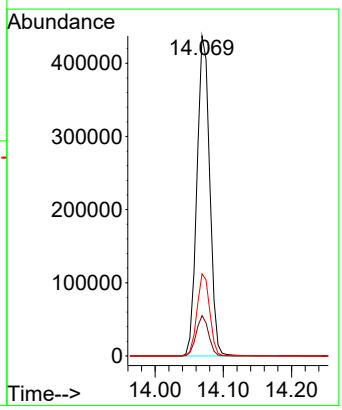


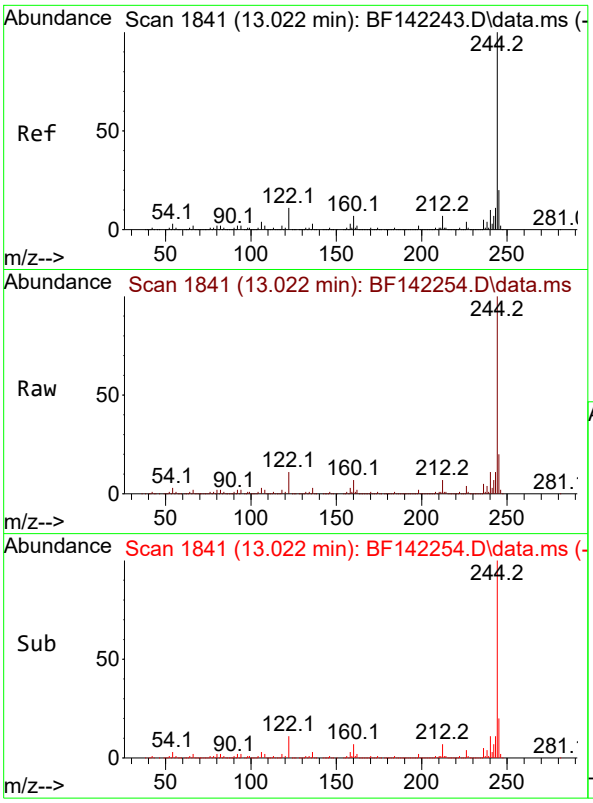


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:240 Resp: 568207

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.1	15.1
236	25.7	20.5	30.7



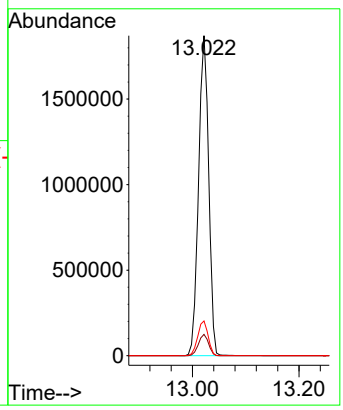


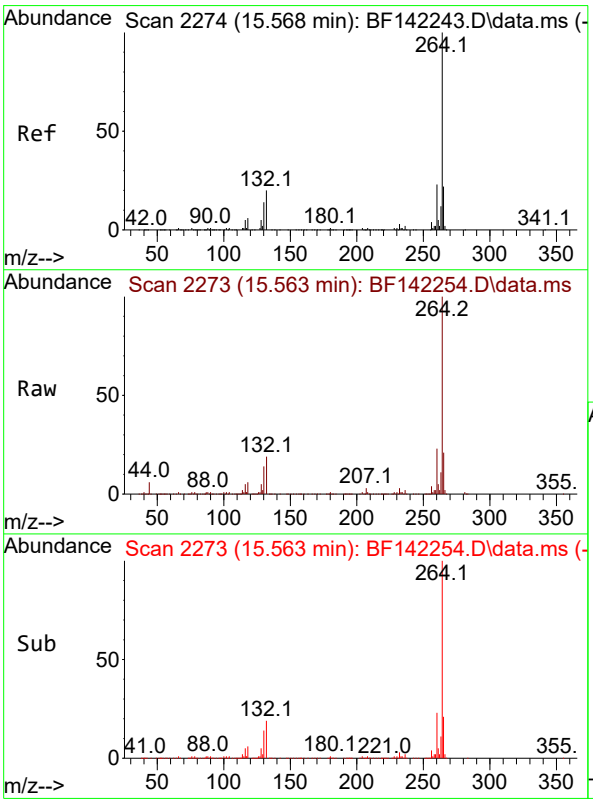
#79
Terphenyl-d14
Concen: 63.298 ng
RT: 13.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Instrument :
BNA_F
ClientSampleId :
PB167810BL

Tgt Ion:244 Resp: 2472921

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.3	7.9
122	10.9	9.1	13.7

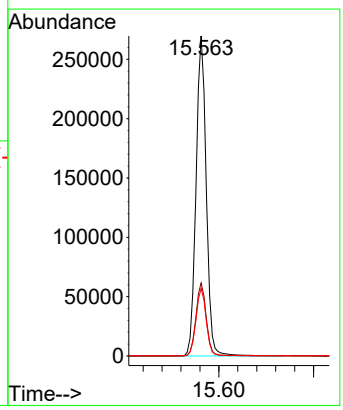




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142254.D
Acq: 01 May 2025 12:10

Tgt Ion:264 Resp: 404816

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	21.1	17.3	25.9



Sample Results: **BF142255.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	228833	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	892782	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	472284	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	804874	20.000	ng	0.00
76) Chrysene-d12	14.074	240	464382	20.000	ng	0.00
86) Perylene-d12	15.568	264	446826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1593182	111.191	ng	0.02
7) Phenol-d6	6.528	99	1946714	112.510	ng	0.00
23) Nitrobenzene-d5	7.469	82	1119930	82.412	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	568456	132.029	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2294519	68.501	ng	0.00
79) Terphenyl-d14	13.021	244	2366082	74.104	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.798	88	217494	33.987	ng	98
3) Pyridine	3.551	79	618200	37.171	ng	100
4) n-Nitrosodimethylamine	3.504	42	358234	41.623	ng	99
6) Aniline	6.569	93	471322	19.245	ng	100
8) 2-Chlorophenol	6.692	128	631635	42.661	ng	99
9) Benzaldehyde	6.457	77	305773	25.285	ng	98
10) Phenol	6.545	94	755191m	40.542	ng	
11) bis(2-Chloroethyl)ether	6.639	93	588988	40.804	ng	99
12) 1,3-Dichlorobenzene	6.851	146	659968	39.402	ng	98
13) 1,4-Dichlorobenzene	6.928	146	667827	39.574	ng	99
14) 1,2-Dichlorobenzene	7.075	146	650967	40.407	ng	99
15) Benzyl Alcohol	7.045	79	515024	41.969	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1072194	41.135	ng	100
17) 2-Methylphenol	7.151	107	497856	41.046	ng	99
18) Hexachloroethane	7.422	117	231050	41.832	ng	97
19) n-Nitroso-di-n-propyla...	7.322	70	427592	39.992	ng	99
20) 3+4-Methylphenols	7.304	107	618253	40.760	ng	92
22) Acetophenone	7.316	105	826671	40.025	ng	99
24) Nitrobenzene	7.492	77	610784	45.807	ng	99
25) Isophorone	7.728	82	1177064	41.271	ng	99
26) 2-Nitrophenol	7.804	139	256947	46.237	ng	99
27) 2,4-Dimethylphenol	7.839	122	602302	41.886	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	734241	40.821	ng	99
29) 2,4-Dichlorophenol	8.039	162	518664	43.143	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	544203	40.565	ng	99
31) Naphthalene	8.216	128	1769061	39.733	ng	100
32) Benzoic acid	7.945	122	321202m	47.181	ng	
33) 4-Chloroaniline	8.251	127	82158	4.431	ng	99
34) Hexachlorobutadiene	8.328	225	324756	41.492	ng	99
35) Caprolactam	8.622	113	163644m	45.287	ng	
36) 4-Chloro-3-methylphenol	8.733	107	523494	42.406	ng	99
37) 2-Methylnaphthalene	8.904	142	1090096	39.822	ng	99
38) 1-Methylnaphthalene	9.004	142	1143793	40.333	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	524634	39.471	ng	99
41) Hexachlorocyclopentadiene	9.057	237	668416	88.607	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	357651	43.423	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	388570	44.872	ng		98
46) 1,1'-Biphenyl	9.369	154	1458088	39.713	ng		100
47) 2-Chloronaphthalene	9.392	162	1093139	40.017	ng		100
48) 2-Nitroaniline	9.486	65	321433	44.957	ng		99
49) Acenaphthylene	9.810	152	1847757	40.085	ng		100
50) Dimethylphthalate	9.669	163	1268421	41.981	ng		100
51) 2,6-Dinitrotoluene	9.727	165	263569	45.692	ng		98
52) Acenaphthene	9.980	154	1164359	43.261	ng		100
53) 3-Nitroaniline	9.892	138	98911	16.287	ng		95
54) 2,4-Dinitrophenol	9.998	184	196654	90.602	ng	#	18
55) Dibenzofuran	10.157	168	1606504	39.818	ng		100
56) 4-Nitrophenol	10.045	139	484293	101.975	ng		98
57) 2,4-Dinitrotoluene	10.133	165	350987	49.818	ng		98
58) Fluorene	10.498	166	1221943	39.832	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	330098	46.019	ng		99
60) Diethylphthalate	10.369	149	1267747	42.490	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	585254	40.172	ng		99
62) 4-Nitroaniline	10.510	138	286425	44.888	ng		99
63) Azobenzene	10.651	77	1208231	41.009	ng		99
65) 4,6-Dinitro-2-methylph...	10.539	198	126239	47.699	ng		95
66) n-Nitrosodiphenylamine	10.610	169	1104532	40.164	ng		99
67) 4-Bromophenyl-phenylether	10.980	248	373384	41.655	ng		98
68) Hexachlorobenzene	11.045	284	417991	41.636	ng		100
69) Atrazine	11.133	200	332195	45.827	ng		98
70) Pentachlorophenol	11.233	266	495448	93.418	ng		98
71) Phenanthrene	11.463	178	1740817	40.041	ng		100
72) Anthracene	11.510	178	1786049	40.180	ng		100
73) Carbazole	11.663	167	1677441	41.368	ng		100
74) Di-n-butylphthalate	11.998	149	1839790	45.113	ng		100
75) Fluoranthene	12.645	202	1819275	42.331	ng		99
77) Benzidine	12.763	184	347980	17.635	ng		98
78) Pyrene	12.880	202	1803569	42.103	ng		99
80) Butylbenzylphthalate	13.498	149	532587	45.667	ng		99
81) Benzo(a)anthracene	14.062	228	1330282	42.672	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	74664	8.154	ng		98
83) Chrysene	14.104	228	1152993	40.631	ng		100
84) Bis(2-ethylhexyl)phtha...	14.057	149	632694	39.646	ng		99
85) Di-n-octyl phthalate	14.674	149	1144596	39.690	ng		100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1374940	42.010	ng		100
88) Benzo(b)fluoranthene	15.127	252	1207610	43.510	ng		99
89) Benzo(k)fluoranthene	15.156	252	1003805	39.540	ng		99
90) Benzo(a)pyrene	15.504	252	1073003	42.227	ng		100
91) Dibenzo(a,h)anthracene	17.098	278	1112811	41.894	ng		99
92) Benzo(g,h,i)perylene	17.539	276	1122234	42.026	ng		99

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

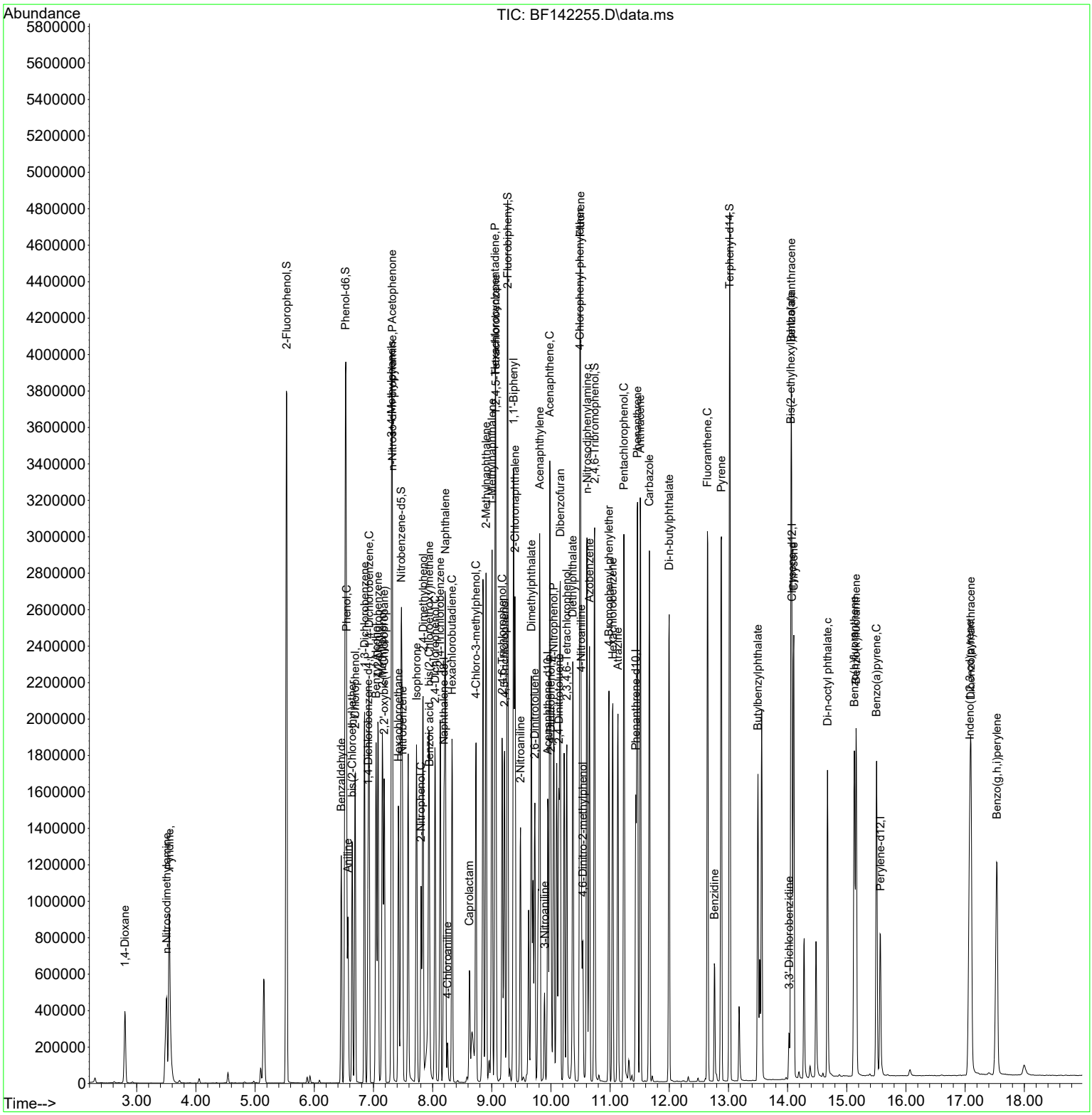
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142255.D
Acq On : 01 May 2025 12:39
Operator : RC/JU
Sample : PB167810BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 01 13:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167810BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	212656	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	808361	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	402059	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	629997	20.000	ng	0.00
76) Chrysene-d12	14.069	240	370460	20.000	ng	0.00
86) Perylene-d12	15.557	264	379220	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1285671	96.555	ng	0.01
7) Phenol-d6	6.528	99	1443545	89.776	ng	0.00
23) Nitrobenzene-d5	7.469	82	1033716	84.012	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	462379	126.149	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2016863	70.728	ng	0.00
79) Terphenyl-d14	13.016	244	1792164	70.359	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	169976	28.583	ng	# 84
3) Pyridine	3.546	79	415695	26.896	ng	99
4) n-Nitrosodimethylamine	3.481	42	278483	34.818	ng	99
6) Aniline	6.569	93	185208	8.138	ng	100
8) 2-Chlorophenol	6.693	128	531955	38.662	ng	99
9) Benzaldehyde	6.457	77	175465	15.613	ng	99
10) Phenol	6.540	94	537381m	31.043	ng	
11) bis(2-Chloroethyl)ether	6.646	93	502092	37.430	ng	99
12) 1,3-Dichlorobenzene	6.851	146	511679	32.873	ng	99
13) 1,4-Dichlorobenzene	6.928	146	527665	33.647	ng	99
14) 1,2-Dichlorobenzene	7.081	146	509008	33.999	ng	99
15) Benzyl Alcohol	7.046	79	445258	39.044	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	916352	37.830	ng	99
17) 2-Methylphenol	7.151	107	403260	35.777	ng	100
18) Hexachloroethane	7.422	117	180036	35.075	ng	97
19) n-Nitroso-di-n-propyla...	7.316	70	379242	38.168	ng	98
20) 3+4-Methylphenols	7.304	107	508536	36.077	ng	91
22) Acetophenone	7.316	105	714285	38.195	ng	97
24) Nitrobenzene	7.487	77	532026	44.068	ng	100
25) Isophorone	7.728	82	1017548	39.404	ng	99
26) 2-Nitrophenol	7.804	139	249952	48.946	ng	98
27) 2,4-Dimethylphenol	7.834	122	465938	35.787	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	653302	40.114	ng	100
29) 2,4-Dichlorophenol	8.040	162	450542	41.390	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	460388	37.902	ng	100
31) Naphthalene	8.210	128	1515067	37.582	ng	100
32) Benzoic acid	7.922	122	217267	37.981	ng	97
33) 4-Chloroaniline	8.251	127	79798	4.754	ng	99
34) Hexachlorobutadiene	8.328	225	267842	37.794	ng	99
35) Caprolactam	8.616	113	114486m	34.992	ng	
36) 4-Chloro-3-methylphenol	8.728	107	450003	40.260	ng	99
37) 2-Methylnaphthalene	8.898	142	965025	38.934	ng	99
38) 1-Methylnaphthalene	8.998	142	1001608	39.008	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	466320	41.212	ng	99
41) Hexachlorocyclopentadiene	9.057	237	570339	88.811	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	326161	46.517	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	336279	45.616	ng		99
46) 1,1'-Biphenyl	9.363	154	1292053	41.337	ng		99
47) 2-Chloronaphthalene	9.392	162	960343	41.296	ng		99
48) 2-Nitroaniline	9.481	65	294596	48.035	ng		98
49) Acenaphthylene	9.810	152	1605889	40.923	ng		100
50) Dimethylphthalate	9.663	163	1104923	42.957	ng		100
51) 2,6-Dinitrotoluene	9.722	165	230556	46.839	ng		99
52) Acenaphthene	9.981	154	1000886	43.682	ng		99
53) 3-Nitroaniline	9.886	138	93454	17.726	ng		98
54) 2,4-Dinitrophenol	9.992	184	156192	86.643	ng	#	52
55) Dibenzofuran	10.151	168	1420255	41.350	ng		100
56) 4-Nitrophenol	10.039	139	369705	91.443	ng		99
57) 2,4-Dinitrotoluene	10.128	165	301103	50.164	ng		96
58) Fluorene	10.492	166	1070926	41.007	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	273427	44.776	ng		99
60) Diethylphthalate	10.363	149	1082961	42.636	ng		100
61) 4-Chlorophenyl-phenyle...	10.486	204	522609	42.138	ng		96
62) 4-Nitroaniline	10.504	138	228504	42.238	ng		97
63) Azobenzene	10.645	77	1037185	41.352	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	106866	50.723	ng		90
66) n-Nitrosodiphenylamine	10.604	169	918104	42.652	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	319645	45.559	ng		98
68) Hexachlorobenzene	11.039	284	349088	44.425	ng		98
69) Atrazine	11.128	200	274854	48.442	ng		99
70) Pentachlorophenol	11.233	266	390510	94.071	ng		98
71) Phenanthrene	11.457	178	1459064	42.876	ng		100
72) Anthracene	11.510	178	1476623	42.440	ng		99
73) Carbazole	11.657	167	1322084	41.655	ng		100
74) Di-n-butylphthalate	11.992	149	1508741	47.265	ng		100
75) Fluoranthene	12.645	202	1362829	40.513	ng		98
77) Benzidine	12.763	184	40553	2.576	ng		97
78) Pyrene	12.875	202	1353270	39.600	ng		100
80) Butylbenzylphthalate	13.492	149	486120	51.715	ng		99
81) Benzo(a)anthracene	14.057	228	1077111	43.310	ng		100
82) 3,3'-Dichlorobenzidine	14.022	252	61349	8.398	ng		98
83) Chrysene	14.098	228	946310	41.802	ng		100
84) Bis(2-ethylhexyl)phtha...	14.051	149	628324	48.509	ng		99
85) Di-n-octyl phthalate	14.669	149	1009277	43.232	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1154061	41.548	ng		100
88) Benzo(b)fluoranthene	15.121	252	1089899	46.269	ng		99
89) Benzo(k)fluoranthene	15.151	252	857957	39.820	ng		99
90) Benzo(a)pyrene	15.498	252	936845	43.441	ng		99
91) Dibenzo(a,h)anthracene	17.086	278	933265	41.398	ng		100
92) Benzo(g,h,i)perylene	17.521	276	936160	41.307	ng		99

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

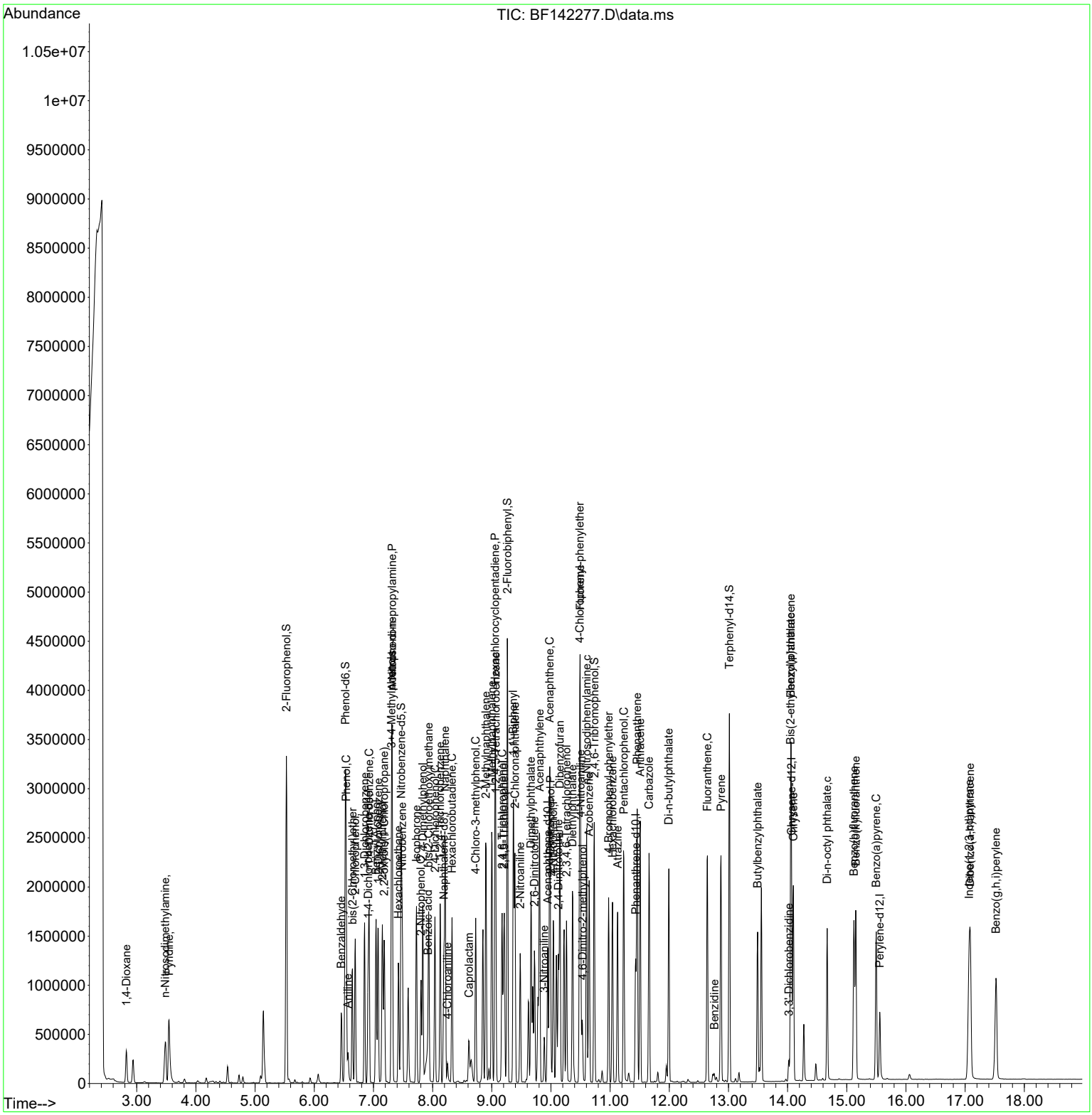
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142277.D
Acq On : 02 May 2025 12:27
Operator : RC/JU
Sample : Q1901-08MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 02 13:05:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



Sample Results: **BF142278.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	217028	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	832936	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	419407	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	684254	20.000	ng	0.00
76) Chrysene-d12	14.069	240	400079	20.000	ng	0.00
86) Perylene-d12	15.563	264	401381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1351308	99.440	ng	0.01
7) Phenol-d6	6.528	99	1523396	92.834	ng	0.00
23) Nitrobenzene-d5	7.469	82	1112775	87.769	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	506639	132.507	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2151303	72.323	ng	0.00
79) Terphenyl-d14	13.016	244	2003750	72.842	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	174625	28.773	ng	# 82
3) Pyridine	3.546	79	441222	27.973	ng	100
4) n-Nitrosodimethylamine	3.487	42	294114	36.032	ng	99
6) Aniline	6.569	93	197398	8.499	ng	98
8) 2-Chlorophenol	6.693	128	562936	40.089	ng	99
9) Benzaldehyde	6.457	77	183950	16.038	ng	99
10) Phenol	6.540	94	571858m	32.370	ng	
11) bis(2-Chloroethyl)ether	6.646	93	532809	38.919	ng	99
12) 1,3-Dichlorobenzene	6.851	146	542334	34.140	ng	99
13) 1,4-Dichlorobenzene	6.928	146	548211	34.253	ng	99
14) 1,2-Dichlorobenzene	7.081	146	540561	35.379	ng	99
15) Benzyl Alcohol	7.046	79	478246	41.092	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	960997	38.874	ng	100
17) 2-Methylphenol	7.151	107	427556	37.168	ng	99
18) Hexachloroethane	7.422	117	192593	36.766	ng	96
19) n-Nitroso-di-n-propyla...	7.322	70	400784	39.523	ng	99
20) 3+4-Methylphenols	7.304	107	538223	37.414	ng	92
22) Acetophenone	7.316	105	748030	38.819	ng	97
24) Nitrobenzene	7.487	77	571114	45.910	ng	100
25) Isophorone	7.728	82	1075681	40.426	ng	99
26) 2-Nitrophenol	7.804	139	277477	51.929	ng	98
27) 2,4-Dimethylphenol	7.834	122	495291	36.919	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	685392	40.843	ng	99
29) 2,4-Dichlorophenol	8.040	162	483547	43.112	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	482951	38.586	ng	99
31) Naphthalene	8.210	128	1609412	38.745	ng	100
32) Benzoic acid	7.928	122	263320	42.769	ng	97
33) 4-Chloroaniline	8.251	127	72531	4.193	ng	99
34) Hexachlorobutadiene	8.328	225	287976	39.436	ng	99
35) Caprolactam	8.616	113	125300m	37.167	ng	
36) 4-Chloro-3-methylphenol	8.728	107	484815	42.095	ng	99
37) 2-Methylnaphthalene	8.904	142	1012785	39.656	ng	100
38) 1-Methylnaphthalene	8.998	142	1065609	40.276	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	493589	41.817	ng	99
41) Hexachlorocyclopentadiene	9.057	237	611613	91.299	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	351147	48.009	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	361688	47.034	ng		99
46) 1,1'-Biphenyl	9.363	154	1368430	41.970	ng		100
47) 2-Chloronaphthalene	9.392	162	1020867	42.083	ng		99
48) 2-Nitroaniline	9.481	65	319718	49.782	ng		98
49) Acenaphthylene	9.810	152	1710079	41.776	ng		100
50) Dimethylphthalate	9.663	163	1199810	44.716	ng		100
51) 2,6-Dinitrotoluene	9.722	165	253926	49.228	ng		99
52) Acenaphthene	9.981	154	1087078	45.482	ng		98
53) 3-Nitroaniline	9.886	138	99043	17.958	ng		98
54) 2,4-Dinitrophenol	9.998	184	184644	93.898	ng	#	1
55) Dibenzofuran	10.151	168	1522541	42.495	ng		100
56) 4-Nitrophenol	10.045	139	407185	96.548	ng		99
57) 2,4-Dinitrotoluene	10.128	165	336232	53.345	ng		96
58) Fluorene	10.492	166	1144424	42.008	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	303708	47.678	ng		99
60) Diethylphthalate	10.369	149	1182771	44.640	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	556055	42.980	ng		97
62) 4-Nitroaniline	10.504	138	257712	45.444	ng		98
63) Azobenzene	10.645	77	1119990	42.806	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	125145	53.859	ng		94
66) n-Nitrosodiphenylamine	10.604	169	983989	42.088	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	347963	45.662	ng		99
68) Hexachlorobenzene	11.039	284	382262	44.789	ng		97
69) Atrazine	11.128	200	312642	50.733	ng		99
70) Pentachlorophenol	11.233	266	437319	96.993	ng		99
71) Phenanthrene	11.457	178	1591587	43.062	ng		100
72) Anthracene	11.510	178	1599092	42.316	ng		100
73) Carbazole	11.657	167	1465976	42.526	ng		100
74) Di-n-butylphthalate	11.992	149	1677931	48.397	ng		100
75) Fluoranthene	12.645	202	1520599	41.619	ng		98
77) Benzidine	12.763	184	44894	2.641	ng		97
78) Pyrene	12.875	202	1524967	41.321	ng		100
80) Butylbenzylphthalate	13.492	149	558469	54.776	ng		99
81) Benzo(a)anthracene	14.063	228	1194007	44.456	ng		100
82) 3,3'-Dichlorobenzidine	14.022	252	70246	8.904	ng		99
83) Chrysene	14.098	228	1076915	44.049	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	722253	51.410	ng		99
85) Di-n-octyl phthalate	14.669	149	1156306	45.494	ng		99
87) Indeno(1,2,3-cd)pyrene	17.068	276	1219041	41.464	ng		100
88) Benzo(b)fluoranthene	15.121	252	1168207	46.856	ng		99
89) Benzo(k)fluoranthene	15.151	252	987950	43.322	ng		100
90) Benzo(a)pyrene	15.498	252	1023759	44.850	ng		100
91) Dibenzo(a,h)anthracene	17.092	278	988821	41.441	ng		99
92) Benzo(g,h,i)perylene	17.527	276	978093	40.775	ng		99

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

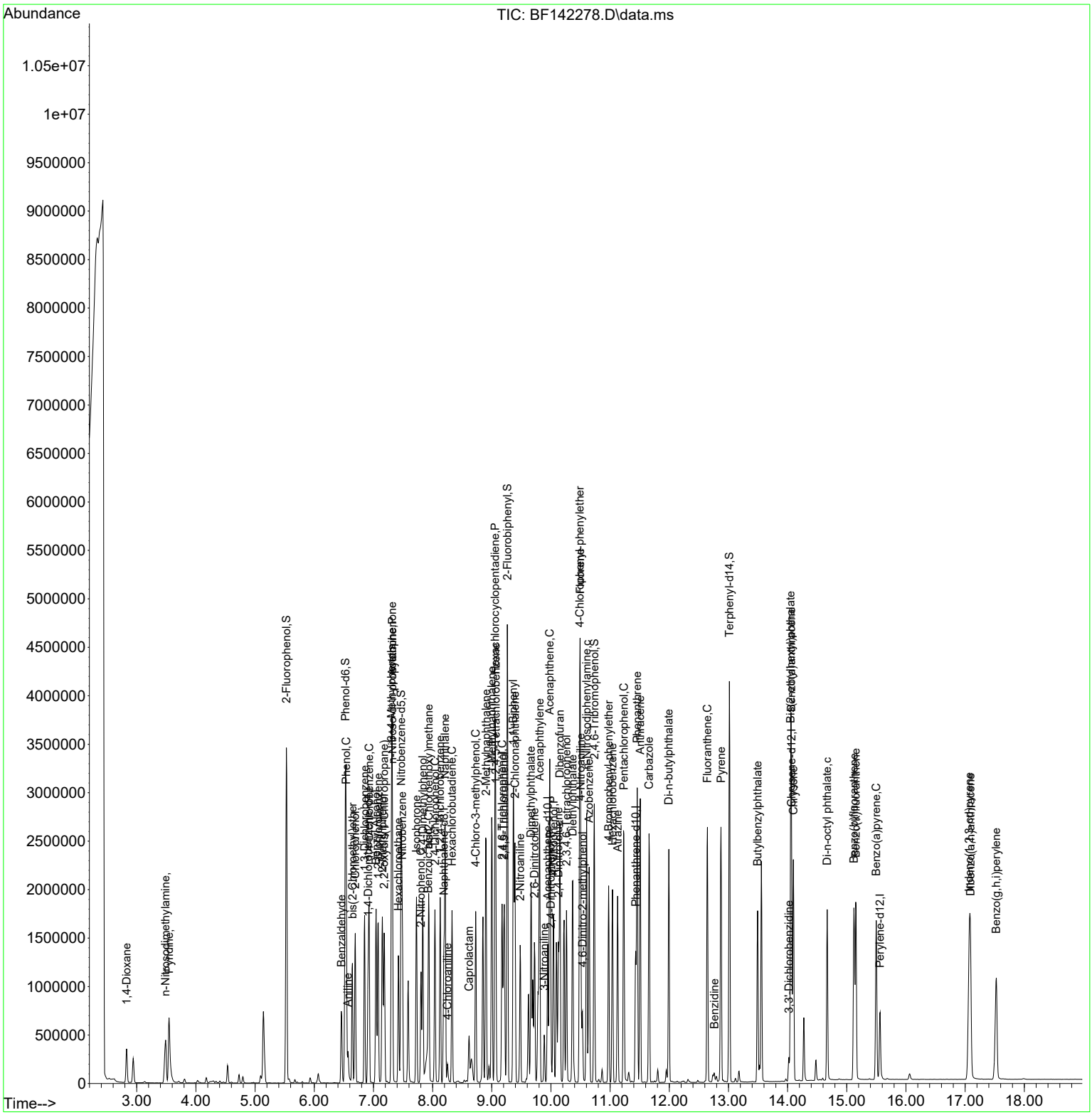
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050225\
Data File : BF142278.D
Acq On : 02 May 2025 12:55
Operator : RC/JU
Sample : Q1901-08MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 02 13:41:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-167-SB01MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



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

Manual Integration Report

Sequence:	BF043025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142240.D	2,3,4,6-Tetrachlorophenol	Rahul	5/1/2025 11:26:17 AM	Jagrut	5/1/2025 1:17:43 PM	Peak Integrated by Software
SSTDICC020	BF142242.D	Benzoic acid	Rahul	5/1/2025 11:26:23 AM	Jagrut	5/1/2025 1:17:45 PM	Peak Integrated by Software
SSTDICCC040	BF142243.D	Benzoic acid	Rahul	5/1/2025 11:26:25 AM	Jagrut	5/1/2025 1:17:48 PM	Peak Integrated by Software
SSTDICC050	BF142244.D	Phenol	Rahul	5/1/2025 11:26:27 AM	Jagrut	5/1/2025 1:17:50 PM	Peak Integrated by Software
SSTDICC060	BF142245.D	Phenol	Rahul	5/1/2025 11:26:30 AM	Jagrut	5/1/2025 1:17:52 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Benzoic acid	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Phenol	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Benzoic acid	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Phenol	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142250.D	Benzoic acid	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
SSTDCCC040	BF142250.D	Phenol	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Benzoic acid	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Caprolactam	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software
PB167810BS	BF142255.D	Phenol	Rahul	5/2/2025 10:45:25 AM	Jagrut	5/2/2025 4:47:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf050225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142274.D	Benzoic acid	Rahul	5/5/2025 10:14:38 AM	Jagrut	5/5/2025 11:51:58 AM	Peak Integrated by Software
SSTDCCC040	BF142274.D	Phenol	Rahul	5/5/2025 10:14:38 AM	Jagrut	5/5/2025 11:51:58 AM	Peak Integrated by Software
Q1901-08MS	BF142277.D	Caprolactam	Rahul	5/5/2025 10:14:41 AM	Jagrut	5/5/2025 11:52:00 AM	Peak Integrated by Software
Q1901-08MS	BF142277.D	Phenol	Rahul	5/5/2025 10:14:41 AM	Jagrut	5/5/2025 11:52:00 AM	Peak Integrated by Software
Q1901-08MSD	BF142278.D	Caprolactam	Rahul	5/5/2025 10:14:44 AM	Jagrut	5/5/2025 11:52:03 AM	Peak Integrated by Software
Q1901-08MSD	BF142278.D	Phenol	Rahul	5/5/2025 10:14:44 AM	Jagrut	5/5/2025 11:52:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP050525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024538.D	Benzidine	Rahul	5/6/2025 9:57:47 AM	Jagrut	5/6/2025 10:50:38 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142238.D	30 Apr 2025 10:55	RC/JU	Ok
2	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24	RC/JU	Ok
3	SSTDICC005	BF142240.D	30 Apr 2025 11:52	RC/JU	Ok,M
4	SSTDICC010	BF142241.D	30 Apr 2025 12:20	RC/JU	Ok
5	SSTDICC020	BF142242.D	30 Apr 2025 12:49	RC/JU	Ok,M
6	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	RC/JU	Ok,M
7	SSTDICC050	BF142244.D	30 Apr 2025 13:46	RC/JU	Ok,M
8	SSTDICC060	BF142245.D	30 Apr 2025 14:15	RC/JU	Ok,M
9	SSTDICC080	BF142246.D	30 Apr 2025 14:43	RC/JU	Ok,M
10	SSTDICV040	BF142247.D	30 Apr 2025 16:17	RC/JU	Ok,M
11	PB167726BL	BF142248.D	30 Apr 2025 17:15	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142249.D	01 May 2025 09:48	RC/JU	Ok
2	SSTDCCC040	BF142250.D	01 May 2025 10:17	RC/JU	Ok,M
3	PB167798BL	BF142251.D	01 May 2025 10:45	RC/JU	Ok
4	PB167798BS	BF142252.D	01 May 2025 11:13	RC/JU	Ok,M
5	PB167798BSD	BF142253.D	01 May 2025 11:42	RC/JU	Ok,M
6	PB167810BL	BF142254.D	01 May 2025 12:10	RC/JU	Ok
7	PB167810BS	BF142255.D	01 May 2025 12:39	RC/JU	Ok,M
8	PB167774TB	BF142256.D	01 May 2025 13:07	RC/JU	Ok
9	Q1890-01	BF142257.D	01 May 2025 13:40	RC/JU	Ok
10	Q1920-01	BF142258.D	01 May 2025 14:09	RC/JU	Ok,M
11	Q1914-14	BF142259.D	01 May 2025 14:37	RC/JU	Ok
12	Q1913-04	BF142260.D	01 May 2025 15:06	RC/JU	Ok
13	Q1915-01	BF142261.D	01 May 2025 15:34	RC/JU	Ok
14	Q1903-01	BF142262.D	01 May 2025 16:03	RC/JU	Ok
15	Q1903-02	BF142263.D	01 May 2025 16:31	RC/JU	Ok
16	Q1903-03	BF142264.D	01 May 2025 17:00	RC/JU	Ok
17	Q1906-01	BF142265.D	01 May 2025 17:29	RC/JU	Ok
18	Q1906-13	BF142266.D	01 May 2025 17:57	RC/JU	Ok
19	Q1901-06	BF142267.D	01 May 2025 18:26	RC/JU	Ok
20	Q1901-02	BF142268.D	01 May 2025 18:55	RC/JU	Ok,M
21	Q1901-02MS	BF142269.D	01 May 2025 19:24	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM				
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM				
SubDirectory	BF050125	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1901-02MSD	BF142270.D	01 May 2025 19:52	RC/JU	Ok,M
23	Q1901-04	BF142271.D	01 May 2025 20:20	RC/JU	Ok
24	Q1901-05	BF142272.D	01 May 2025 20:49	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM				
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM				
SubDirectory	BF050225	HP Acquire Method	BNA_F		HP Processing Method	BF043025	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142273.D	02 May 2025 10:11	RC/JU	Ok
2	SSTDCCC040	BF142274.D	02 May 2025 10:39	RC/JU	Ok,M
3	PB167774TB	BF142275.D	02 May 2025 11:07	RC/JU	Not Ok
4	Q1901-08	BF142276.D	02 May 2025 11:58	RC/JU	Ok
5	Q1901-08MS	BF142277.D	02 May 2025 12:27	RC/JU	Ok,M
6	Q1901-08MSD	BF142278.D	02 May 2025 12:55	RC/JU	Ok,M
7	Q1901-09	BF142279.D	02 May 2025 13:24	RC/JU	Ok
8	Q1901-10	BF142280.D	02 May 2025 13:53	RC/JU	ReRun
9	Q1901-11	BF142281.D	02 May 2025 14:22	RC/JU	Ok
10	Q1907-02	BF142282.D	02 May 2025 14:51	RC/JU	ReRun
11	Q1916-04	BF142283.D	02 May 2025 16:20	RC/JU	Ok
12	Q1916-04MS	BF142284.D	02 May 2025 16:49	RC/JU	Ok,M
13	Q1916-04MSD	BF142285.D	02 May 2025 17:18	RC/JU	Ok,M
14	Q1932-02	BF142286.D	02 May 2025 17:47	RC/JU	Ok
15	Q1932-04	BF142287.D	02 May 2025 18:16	RC/JU	Ok
16	Q1932-06	BF142288.D	02 May 2025 18:46	RC/JU	ReRun
17	Q1932-08	BF142289.D	02 May 2025 19:15	RC/JU	Ok
18	Q1917-04	BF142290.D	02 May 2025 19:44	RC/JU	Ok
19	Q1922-04	BF142291.D	02 May 2025 20:13	RC/JU	Ok
20	Q1922-08	BF142292.D	02 May 2025 20:42	RC/JU	Ok
21	Q1929-03	BF142293.D	02 May 2025 21:11	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM				
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM				
SubDirectory	BP050525	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024521.D	05 May 2025 11:57	RC/JU	Ok
2	SSTDCCC040	BP024522.D	05 May 2025 12:38	RC/JU	Ok
3	PB167836BL	BP024523.D	05 May 2025 13:18	RC/JU	Ok
4	PB167836BS	BP024524.D	05 May 2025 13:59	RC/JU	Ok
5	Q1883-05RX	BP024525.D	05 May 2025 14:43	RC/JU	Confirms
6	Q1928-01MS	BP024526.D	05 May 2025 15:24	RC/JU	Ok
7	Q1928-01MSD	BP024527.D	05 May 2025 16:05	RC/JU	Ok,M
8	Q1935-01	BP024528.D	05 May 2025 16:45	RC/JU	Ok
9	Q1901-10RE	BP024529.D	05 May 2025 17:26	RC/JU	Confirms
10	Q1907-02RE	BP024530.D	05 May 2025 18:07	RC/JU	Confirms
11	Q1932-06RE	BP024531.D	05 May 2025 18:47	RC/JU	Confirms
12	Q1929-07	BP024532.D	05 May 2025 19:28	RC/JU	Ok
13	Q1929-11	BP024533.D	05 May 2025 20:09	RC/JU	Ok
14	Q1935-04	BP024534.D	05 May 2025 20:49	RC/JU	Ok
15	Q1935-08	BP024535.D	05 May 2025 21:30	RC/JU	Ok
16	Q1928-04	BP024536.D	05 May 2025 22:11	RC/JU	Ok
17	Q1946-01	BP024537.D	05 May 2025 22:52	RC/JU	Ok
18	SSTDCCC040	BP024538.D	05 May 2025 23:32	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM		
SubDirectory	BF043025	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142238.D	30 Apr 2025 10:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142240.D	30 Apr 2025 11:52	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142241.D	30 Apr 2025 12:20		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142242.D	30 Apr 2025 12:49		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	Compound#32,48,51,53,57,62,65,80,84,85 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142244.D	30 Apr 2025 13:46	Compound#26,54 Kept on QR	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142245.D	30 Apr 2025 14:15		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142246.D	30 Apr 2025 14:43		RC/JU	Ok,M
10	SSTDICV040	ICVBF043025	BF142247.D	30 Apr 2025 16:17		RC/JU	Ok,M
11	PB167726BL	PB167726BL	BF142248.D	30 Apr 2025 17:15		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142249.D	01 May 2025 09:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142250.D	01 May 2025 10:17		RC/JU	Ok,M
3	PB167798BL	PB167798BL	BF142251.D	01 May 2025 10:45		RC/JU	Ok
4	PB167798BS	PB167798BS	BF142252.D	01 May 2025 11:13		RC/JU	Ok,M
5	PB167798BSD	PB167798BSD	BF142253.D	01 May 2025 11:42		RC/JU	Ok,M
6	PB167810BL	PB167810BL	BF142254.D	01 May 2025 12:10		RC/JU	Ok
7	PB167810BS	PB167810BS	BF142255.D	01 May 2025 12:39		RC/JU	Ok,M
8	PB167774TB	PB167774TB	BF142256.D	01 May 2025 13:07		RC/JU	Ok
9	Q1890-01	TW-WTS-07	BF142257.D	01 May 2025 13:40		RC/JU	Ok
10	Q1920-01	291	BF142258.D	01 May 2025 14:09		RC/JU	Ok,M
11	Q1914-14	FB04282025	BF142259.D	01 May 2025 14:37		RC/JU	Ok
12	Q1913-04	WC-13-A-202504	BF142260.D	01 May 2025 15:06		RC/JU	Ok
13	Q1915-01	WC-04282025	BF142261.D	01 May 2025 15:34		RC/JU	Ok
14	Q1903-01	COMP-4	BF142262.D	01 May 2025 16:03		RC/JU	Ok
15	Q1903-02	COMP-5	BF142263.D	01 May 2025 16:31		RC/JU	Ok
16	Q1903-03	COMP-6	BF142264.D	01 May 2025 17:00		RC/JU	Ok
17	Q1906-01	WC-4	BF142265.D	01 May 2025 17:29		RC/JU	Ok
18	Q1906-13	WC-7	BF142266.D	01 May 2025 17:57		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1901-06	FB04262025	BF142267.D	01 May 2025 18:26		RC/JU	Ok
20	Q1901-02	B-167-SB01	BF142268.D	01 May 2025 18:55		RC/JU	Ok,M
21	Q1901-02MS	B-167-SB01MS	BF142269.D	01 May 2025 19:24		RC/JU	Ok,M
22	Q1901-02MSD	B-167-SB01MSD	BF142270.D	01 May 2025 19:52		RC/JU	Ok,M
23	Q1901-04	B-167-SB02	BF142271.D	01 May 2025 20:20		RC/JU	Ok
24	Q1901-05	B-170-SB02	BF142272.D	01 May 2025 20:49		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM		
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM		
SubDirectory	BF050225	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142273.D	02 May 2025 10:11		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142274.D	02 May 2025 10:39		RC/JU	Ok,M
3	PB167774TB	PB167774TB	BF142275.D	02 May 2025 11:07	Analyzed for contamination check	RC/JU	Not Ok
4	Q1901-08	B-167-SB01	BF142276.D	02 May 2025 11:58		RC/JU	Ok
5	Q1901-08MS	B-167-SB01MS	BF142277.D	02 May 2025 12:27		RC/JU	Ok,M
6	Q1901-08MSD	B-167-SB01MSD	BF142278.D	02 May 2025 12:55		RC/JU	Ok,M
7	Q1901-09	B-170-SB01	BF142279.D	02 May 2025 13:24		RC/JU	Ok
8	Q1901-10	B-167-SB02	BF142280.D	02 May 2025 13:53	Internal Standard Fail	RC/JU	ReRun
9	Q1901-11	B-170-SB02	BF142281.D	02 May 2025 14:22		RC/JU	Ok
10	Q1907-02	CO-8R-WC	BF142282.D	02 May 2025 14:51	Internal Standard and surrogates Fail	RC/JU	ReRun
11	Q1916-04	WC-12	BF142283.D	02 May 2025 16:20		RC/JU	Ok
12	Q1916-04MS	WC-12MS	BF142284.D	02 May 2025 16:49		RC/JU	Ok,M
13	Q1916-04MSD	WC-12MSD	BF142285.D	02 May 2025 17:18		RC/JU	Ok,M
14	Q1932-02	COMP-4	BF142286.D	02 May 2025 17:47		RC/JU	Ok
15	Q1932-04	COMP-5	BF142287.D	02 May 2025 18:16		RC/JU	Ok
16	Q1932-06	COMP-6	BF142288.D	02 May 2025 18:46	Surrogate Fail	RC/JU	ReRun
17	Q1932-08	COMP-7	BF142289.D	02 May 2025 19:15		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050225

Review By	Rahul	Review On	5/5/2025 10:18:55 AM		
Supervise By	Jagrut	Supervise On	5/5/2025 11:52:39 AM		
SubDirectory	BF050225	HP Acquire Method	BNA_F	HP Processing Method	BF043025

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1917-04	MH-JJ	BF142290.D	02 May 2025 19:44		RC/JU	Ok
19	Q1922-04	MH-R	BF142291.D	02 May 2025 20:13		RC/JU	Ok
20	Q1922-08	MH-S	BF142292.D	02 May 2025 20:42		RC/JU	Ok
21	Q1929-03	WC-A4-02-C	BF142293.D	02 May 2025 21:11		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM		
SubDirectory	BP050525	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024521.D	05 May 2025 11:57		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024522.D	05 May 2025 12:38		RC/JU	Ok
3	PB167836BL	PB167836BL	BP024523.D	05 May 2025 13:18		RC/JU	Ok
4	PB167836BS	PB167836BS	BP024524.D	05 May 2025 13:59		RC/JU	Ok
5	Q1883-05RX	OU4-PCS-TC-29-04232	BP024525.D	05 May 2025 14:43	Surrogate Fail	RC/JU	Confirms
6	Q1928-01MS	MH-QMS	BP024526.D	05 May 2025 15:24		RC/JU	Ok
7	Q1928-01MSD	MH-QMSD	BP024527.D	05 May 2025 16:05		RC/JU	Ok,M
8	Q1935-01	MH-NN	BP024528.D	05 May 2025 16:45		RC/JU	Ok
9	Q1901-10RE	B-167-SB02RE	BP024529.D	05 May 2025 17:26	Internal Standard and surrogate Fail	RC/JU	Confirms
10	Q1907-02RE	CO-8R-WCRE	BP024530.D	05 May 2025 18:07	Internal Standard and surrogate Fail	RC/JU	Confirms
11	Q1932-06RE	COMP-6RE	BP024531.D	05 May 2025 18:47	Surrogate Fail	RC/JU	Confirms
12	Q1929-07	WC-A1-03-C	BP024532.D	05 May 2025 19:28		RC/JU	Ok
13	Q1929-11	WC-A1-04-C	BP024533.D	05 May 2025 20:09		RC/JU	Ok
14	Q1935-04	MH-NN	BP024534.D	05 May 2025 20:49		RC/JU	Ok
15	Q1935-08	MH-MM	BP024535.D	05 May 2025 21:30		RC/JU	Ok
16	Q1928-04	MH-Q	BP024536.D	05 May 2025 22:11		RC/JU	Ok
17	Q1946-01	BB-CONCRETE	BP024537.D	05 May 2025 22:52		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM		
SubDirectory	BP050525	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC040	SSTDCCC040EC	BP024538.D	05 May 2025 23:32		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167774

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
Pippete ID :	WC
Tumbler ID :	T-1 / T-2
TCLP Filter ID :	115525

Start Prep Date :	04/29/2025 Time : 17:20
End Prep Date :	04/30/2025 Time : 11:30
Combination Ratio :	20
ZHE Cleaning Batch :	~~N/A~~ JP
Initial Room Temperature:	23 °C
Final Room Temperature:	22 °C
TCLP Technician Signature :	JP
Supervisor By :	12

Standared 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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. Particle size reduction is not required. q1894-01,02 and 03 we receive limited volume so no fluid determation. Q1901-08 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/30/25 13:00	JP Rlo Room	SL RJ/ Et/-
	Preparation Group	Analysis Group Metals

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TCLP EXTRACTION LOGPAGE

PB167774

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
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-1
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-1
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-1
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

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TCLP Solid Determination

PB167774

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	100	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	100	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	100	N/A
Q1901-08	B-167-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-09	B-170-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-10	B-167-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1901-11	B-170-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1904-02	VNJ-210	N/A	N/A	N/A	N/A	100	N/A
Q1905-04	MH-G	N/A	N/A	N/A	N/A	100	N/A
Q1905-08	MH-H	N/A	N/A	N/A	N/A	100	N/A
Q1906-04	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1906-08	WC-5	N/A	N/A	N/A	N/A	100	N/A
Q1906-12	WC-6	N/A	N/A	N/A	N/A	100	N/A
Q1906-16	WC-7	N/A	N/A	N/A	N/A	100	N/A
Q1907-02	CO-8R-WC	N/A	N/A	N/A	N/A	100	N/A
Q1912-04	MH-E	N/A	N/A	N/A	N/A	100	N/A
Q1912-08	MH-F	N/A	N/A	N/A	N/A	100	N/A
Q1913-01	WC-12-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1913-03	WC-13-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1915-01	WC-04282025	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167774

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
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	N/A	N/A
Q1901-08	B-167-SB01	5.02	96.5	8.4	3.0	#1	4.93
Q1901-09	B-170-SB01	5.01	96.5	9.0	4.0	#1	4.93
Q1901-10	B-167-SB02	5.02	96.5	7.0	3.5	#1	4.93
Q1901-11	B-170-SB02	5.03	96.5	8.2	3.5	#1	4.93
Q1904-02	VNJ-210	5.04	96.5	8.4	3.0	#1	4.93
Q1905-04	MH-G	5.03	96.5	5.6	1.5	#1	4.93
Q1905-08	MH-H	5.02	96.5	6.0	2.0	#1	4.93
Q1906-04	WC-4	5.03	96.5	7.6	2.5	#1	4.93
Q1906-08	WC-5	5.02	96.5	7.0	2.5	#1	4.93
Q1906-12	WC-6	5.01	96.5	6.6	2.0	#1	4.93
Q1906-16	WC-7	5.02	96.5	6.6	2.0	#1	4.93
Q1907-02	CO-8R-WC	5.02	96.5	8.4	3.0	#1	4.93
Q1912-04	MH-E	5.01	96.5	6.6	2.0	#1	4.93
Q1912-08	MH-F	5.02	96.5	6.4	2.0	#1	4.93
Q1913-01	WC-12-S-202504	5.02	96.5	8.2	3.5	#1	4.93
Q1913-03	WC-13-S-202504	5.01	96.5	8.0	3.0	#1	4.93
Q1915-01	WC-04282025	5.02	96.5	8.4	3.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1907 **WorkList ID :** 189188 **Department :** TCLP Extraction **Date :** 04-29-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1913-03	WC-13-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1915-01	WC-04282025	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1901-08	B-167-SB01	Solid	TCLP Extraction	Cool 4 deg C	CAMP02	L41	04/28/2025	1311
Q1901-09	B-170-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-10	B-167-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-11	B-170-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1894-01	PAINTED-GROUND-PIPE--1	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1894-02	PAINTED-GROUND-PIPE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1894-03	PAINTED-GROUND-PIPE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1904-02	VNJ-210	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1905-04	MH-G	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1905-08	MH-H	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1906-04	WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1906-08	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-12	WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-16	WC-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1912-04	MH-E	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1912-08	MH-F	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/29/2025	1311
Q1907-02	CO-8R-WC	Solid	TCLP Extraction	Cool 4 deg C	WALS01		04/28/2025	1311

Date/Time 04/29/25 17:00

Raw Sample Received by: ~~SO~~ WOC

Raw Sample Relinquished by: JD CSM

Date/Time 04/29/25 19:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: ~~SO~~ WOC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167810

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	04/30/2025
Matrix :	Water			**Extraction Start Time :**	13:15
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	04/30/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	18:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2607
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2865
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:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Extr Lab)	RC/SVOC
18:10	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167810

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 04/30/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167774TB	PB167774TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167805TB	PB167805TB	TCLP BNA	100	6	RUPESH	ritesh	1			2
PB167810BL	PB167810BL	TCLP BNA	1000	6	RUPESH	ritesh	1			3
PB167810BS	PB167810BS	TCLP BNA	1000	6	RUPESH	ritesh	1			4
Q1901-08	B-167-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1901-08MS	B-167-SB01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1901-08MSD	B-167-SB01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1901-09	B-170-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1901-10	B-167-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1901-11	B-170-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1904-02	VNJ-210	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1905-04	MH-G	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1905-08	MH-H	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1906-04	WC-4	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1906-08	WC-5	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1906-12	WC-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1906-16	WC-7	TCLP BNA	100	6	RUPESH	ritesh	1	A		SEP-1
Q1907-02	CO-8R-WC	TCLP BNA	100	6	RUPESH	ritesh	1	A		2
Q1912-04	MH-E	TCLP BNA	100	6	RUPESH	ritesh	1	A		3
Q1912-08	MH-F	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1913-01	WC-12-S-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1913-02	WC-12-A-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1913-03	WC-13-S-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1913-04	WC-13-A-202504	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1915-01	WC-04282025	TCLP BNA	100	6	RUPESH	ritesh	1	A		9

RS
4/30

* **Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167774

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	P Pos
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

04/30/25
23:00

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TCLP EXTRACTION LOGPAGE

PB167805

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	Pr Pos
PB167805TB	LEB805	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/
Q1913-02	WC-12-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/
Q1913-04	WC-13-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/

04/30/25

13:00

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

LAB CHRONICLE

OrderID:	Q1901	**OrderDate:**	4/28/2025 10:24:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1901-02	**B-167-SB01**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-03	**B-170-SB01**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-04	**B-167-SB02**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-05	**B-170-SB02**	**SOIL**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/29/25	05/01/25	
Q1901-06	**FB04262025**	**Water**			**04/26/25**			**04/28/25**
			SVOC-TCL BNA -20	8270E		04/30/25	05/01/25	
Q1901-08	**B-167-SB01**	**TCLP**			**04/26/25**			**04/28/25**
			TCLP BNA	8270E		04/30/25	05/02/25	
Q1901-09	**B-170-SB01**	**TCLP**			**04/26/25**			**04/28/25**
			TCLP BNA	8270E		04/30/25	05/02/25	
Q1901-10	**B-167-SB02**	**TCLP**			**04/26/25**			**04/28/25**
			TCLP BNA	8270E		04/30/25	05/02/25	
Q1901-10RE	**B-167-SB02RE**	**TCLP**			**04/26/25**			**04/28/25**
			TCLP BNA	8270E		04/30/25	05/05/25	
Q1901-11	**B-170-SB02**	**TCLP**			**04/26/25**			**04/28/25**
			TCLP BNA	8270E		04/30/25	05/02/25	