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

Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Raw Data: **BG064076.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:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/07/25
Client Sample ID:	PB167020TB	SDG No.:	Q1514
Lab Sample ID:	PB167020TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

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

Raw Data: **BG064076.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/07/25
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/07/25
Client Sample ID:	PB167020TB			SDG No.:	Q1514
Lab Sample ID:	PB167020TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064076.D	1	03/07/25 12:45	03/10/25 11:24	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BG064082.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064082.D	1	03/07/25 12:45	03/10/25 15:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172	*	15 (44) - 110 (137)	114%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33100	7.864			
1146-65-2	Naphthalene-d8	135000	10.649			
15067-26-2	Acenaphthene-d10	90800	14.485			
1517-22-2	Phenanthrene-d10	212000	17.223			
1719-03-5	Chrysene-d12	226000	21.454			
1520-96-3	Perylene-d12	238000	24.468			

Raw Data: **BG064082.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064082.D	1	03/07/25 12:45	03/10/25 15:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BG064083.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064083.D	1	03/07/25 12:45	03/10/25 16:25	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	131		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	115		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (49) - 130 (133)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.8		30 (52) - 130 (132)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	104		30 (48) - 130 (125)	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33100	7.868			
1146-65-2	Naphthalene-d8	138000	10.653			
15067-26-2	Acenaphthene-d10	92300	14.484			
1517-22-2	Phenanthrene-d10	212000	17.228			
1719-03-5	Chrysene-d12	223000	21.458			
1520-96-3	Perylene-d12	228000	24.472			

Raw Data: **BG064083.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064083.D	1	03/07/25 12:45	03/10/25 16:25	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BG064084.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064084.D	1	03/07/25 12:45	03/10/25 17:05	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	135		15 (10) - 110 (139)	90%	SPK: 150
13127-88-3	Phenol-d6	117		15 (10) - 110 (134)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	105		30 (49) - 130 (133)	105%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.3		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		15 (44) - 110 (137)	108%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	30900	7.861			
1146-65-2	Naphthalene-d8	126000	10.652			
15067-26-2	Acenaphthene-d10	82500	14.483			
1517-22-2	Phenanthrene-d10	191000	17.226			
1719-03-5	Chrysene-d12	228000	21.457			
1520-96-3	Perylene-d12	219000	24.471			

Raw Data: **BG064084.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:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064084.D	1	03/07/25 12:45	03/10/25 17:05	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167020TB	PB167020TB	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	139	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB167035BL	PB167035BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	150	100		15 (44)	110 (137)
		Terphenyl-d14	100	97.7	98		30 (48)	130 (125)
PB167035BS	PB167035BS	2-Fluorophenol	150	139	92		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.8	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.8	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	97.3	97		30 (48)	130 (125)
Q1488-02MS	ENV-101-SB01MS	2-Fluorophenol	150	118	79		15 (10)	110 (139)
		Phenol-d6	150	108	72		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	122	*	15 (44)	110 (137)
		Terphenyl-d14	100	83.1	83		30 (48)	130 (125)
Q1488-02MSD	ENV-101-SB01MSD	2-Fluorophenol	150	122	82		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	112	112		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	175	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	76.5	76		30 (48)	130 (125)
Q1514-02	ENV-105-SB01	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.4	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	172	114	*	15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)
Q1514-04	ENV-105-SB02	2-Fluorophenol	150	131	88		15 (10)	110 (139)
		Phenol-d6	150	115	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	101	101		30 (49)	130 (133)
		2-Fluorobiphenyl	100	90.8	91		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	161	108		15 (44)	110 (137)
		Terphenyl-d14	100	104	104		30 (48)	130 (125)
Q1514-06	ENV-103-SB01	2-Fluorophenol	150	135	90		15 (10)	110 (139)
		Phenol-d6	150	117	78		15 (10)	110 (134)
		Nitrobenzene-d5	100	105	105		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.3	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	162	108		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

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

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064075.D

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

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167035BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064074.D Lab Sample ID: PB167035BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) water Date Analyzed: 03/10/2025

Level: (low/med) LOW Time Analyzed: 10:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167035BS	PB167035BS	BG064075.D	03/10/2025
PB167020TB	PB167020TB	BG064076.D	03/10/2025
ENV-105-SB01	Q1514-02	BG064082.D	03/10/2025
ENV-105-SB02	Q1514-04	BG064083.D	03/10/2025
ENV-103-SB01	Q1514-06	BG064084.D	03/10/2025
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141792.D DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141881.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:26

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

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

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

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064072.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:43

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064073.D	03/10/2025	09:23
PB167035BL	PB167035BL	BG064074.D	03/10/2025	10:03
PB167035BS	PB167035BS	BG064075.D	03/10/2025	10:44
PB167020TB	PB167020TB	BG064076.D	03/10/2025	11:24
ENV-105-SB01	Q1514-02	BG064082.D	03/10/2025	15:44
ENV-105-SB02	Q1514-04	BG064083.D	03/10/2025	16:25
ENV-103-SB01	Q1514-06	BG064084.D	03/10/2025	17:05

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	205331	6.887	782990	8.17	424782	9.92
	UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
	LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
	EPA SAMPLE NO.						
01	ENV-101-SB01MS	146872	6.89	566046	8.17	296352	9.92
02	ENV-101-SB01MSD	134345	6.89	510741	8.17	263683	9.92

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	725251	11.404	490278	14.045	391726	15.516
	UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
	LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
	EPA SAMPLE NO.						
01	ENV-101-SB01MS	482424	11.40	376304	14.05	373298	15.52
02	ENV-101-SB01MSD	403770	11.40	354164	14.04	380393	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

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

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	33051	7.859	147761	10.65	101106	14.49
	UPPER LIMIT	66102	8.359	295522	11.15	202212	14.986
	LOWER LIMIT	16525.5	7.359	73880.5	10.15	50553	13.986
	EPA SAMPLE NO.						
01	PB167035BL	32741	7.86	140985	10.65	98023	14.49
02	PB167035BS	35194	7.86	154810	10.65	106817	14.48
03	PB167020TB	33773	7.86	143930	10.65	102383	14.49
04	ENV-105-SB01	33115	7.86	135273	10.65	90840	14.49
05	ENV-105-SB02	33131	7.87	137948	10.65	92307	14.48
06	ENV-103-SB01	30932	7.86	125637	10.65	82477	14.48

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

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

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218504	17.224	231279	21.46	238878	24.475
	UPPER LIMIT	437008	17.724	462558	21.96	477756	24.975
	LOWER LIMIT	109252	16.724	115640	20.96	119439	23.975
	EPA SAMPLE NO.						
01	PB167035BL	230921	17.22	233034	21.45	246222	24.47
02	PB167035BS	235208	17.23	237204	21.46	255311	24.47
03	PB167020TB	231933	17.22	231627	21.45	250695	24.47
04	ENV-105-SB01	211884	17.22	226453	21.45	238169	24.47
05	ENV-105-SB02	212136	17.23	223138	21.46	227657	24.47
06	ENV-103-SB01	191417	17.23	227681	21.46	219074	24.47

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

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

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

QC SAMPLE DATA

Raw Data: **BG064074.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1514
Lab Sample ID:	PB167035BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

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

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

Raw Data: **BG064074.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:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167035BL			SDG No.:	Q1514
Lab Sample ID:	PB167035BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BG064075.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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1514
Lab Sample ID:	PB167035BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

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

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

Raw Data: **BG064075.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:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167035BS			SDG No.:	Q1514
Lab Sample ID:	PB167035BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BF141893.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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

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

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

Raw Data: **BF141893.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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **BF141894.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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

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

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

Raw Data: **BF141894.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:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1514
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

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

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

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

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

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

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

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

(#) = Out of Range

Response Factor Report GC/MS Ins

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

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

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

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

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

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

(#) = Out of Range

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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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.: Q1514 SAS No.: Q1514 SDG No.: Q1514

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

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

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

Instrument :
BNA_G
ClientSampleId :
PB167020TB

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

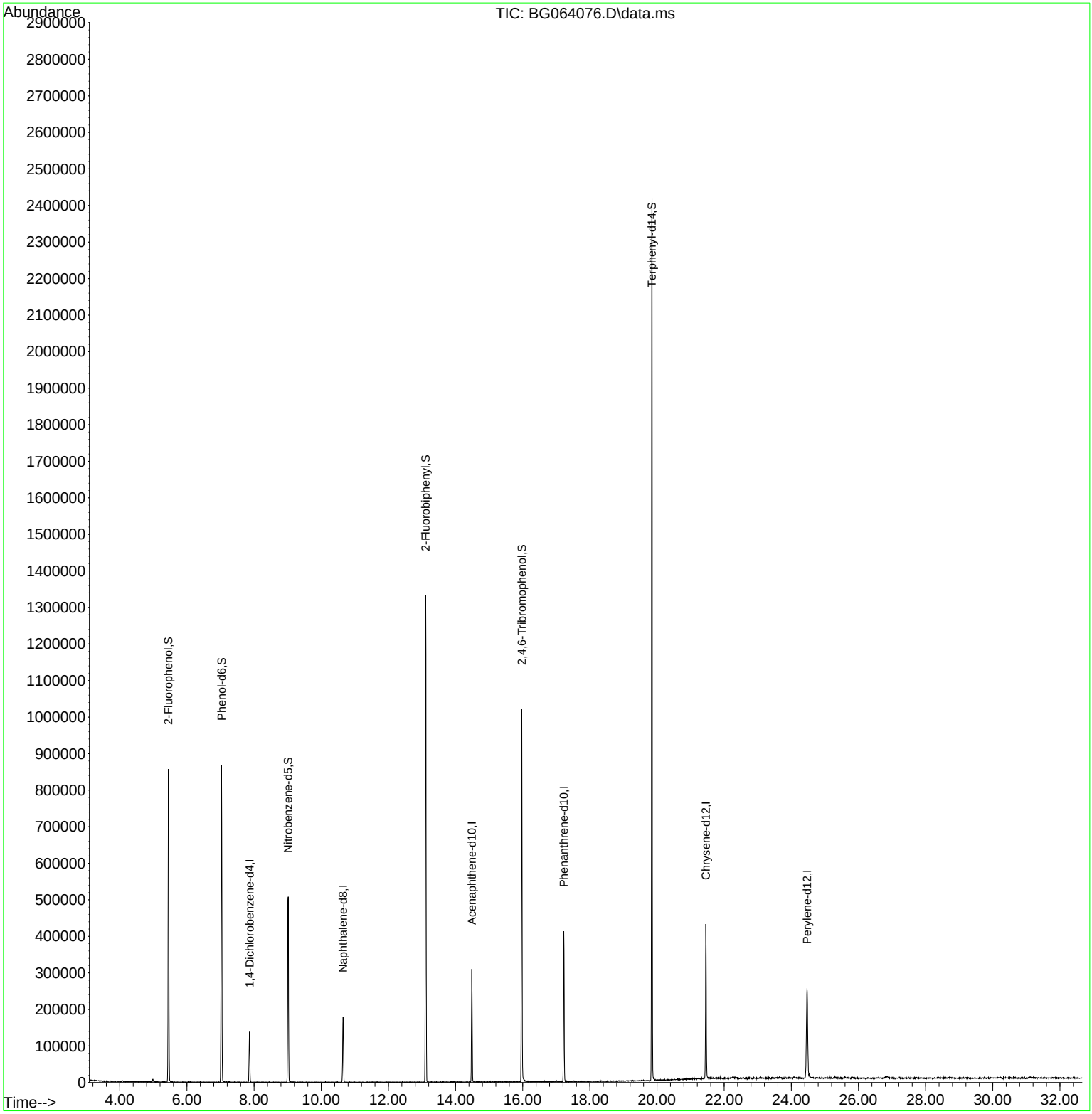
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	33773	20.000	ng	# 0.00
21) Naphthalene-d8	10.649	136	143930	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	102383	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	231933	20.000	ng	0.00
76) Chrysene-d12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

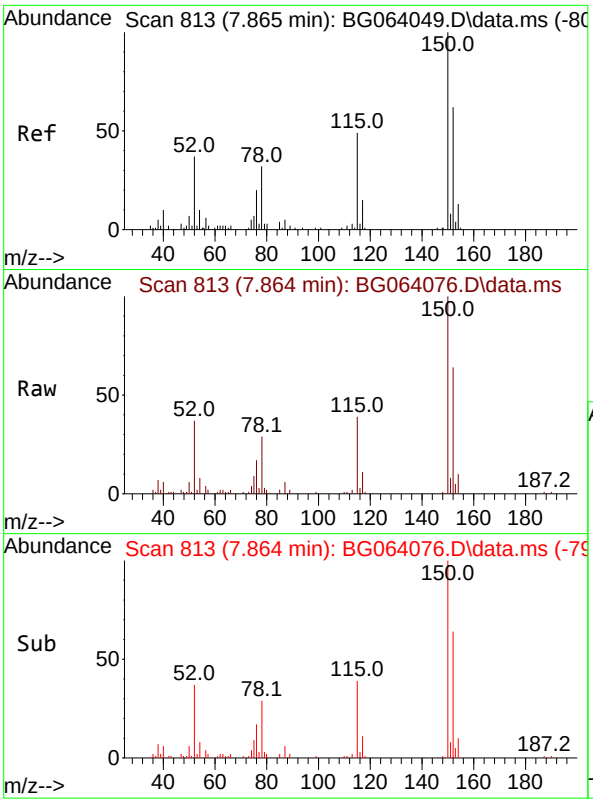
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_G
ClientSampleId :
PB167020TB

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



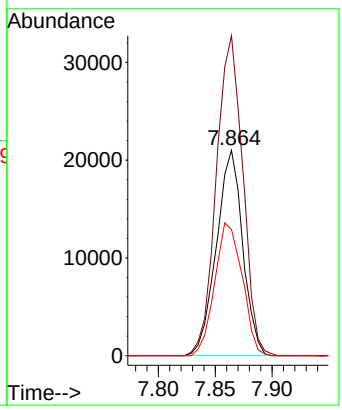


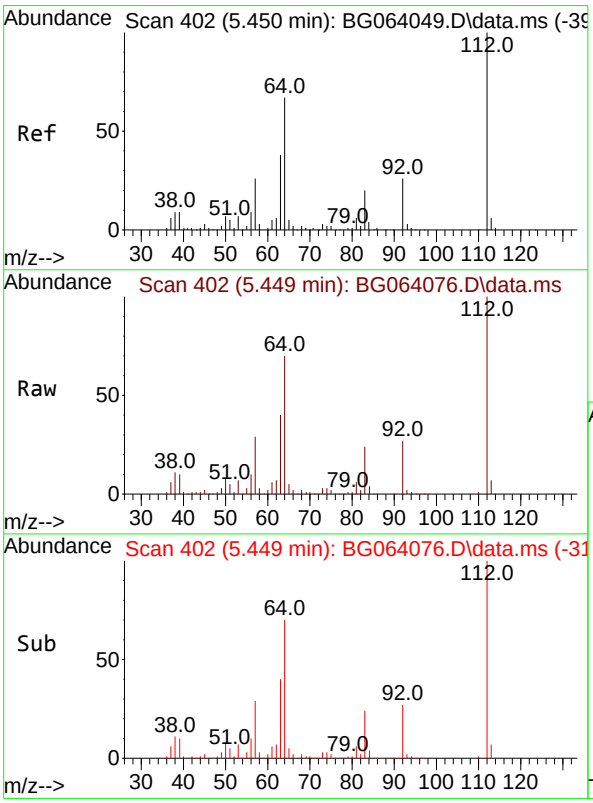
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:152 Resp: 33773

Ion	Ratio	Lower	Upper
152	100		
150	155.8	129.2	193.8
115	61.5	63.0	94.6#

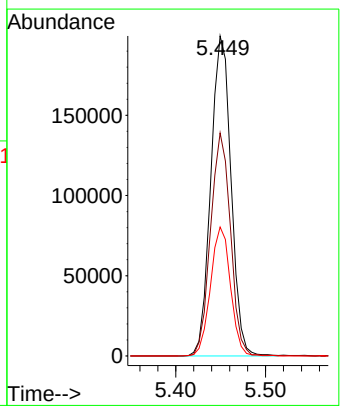


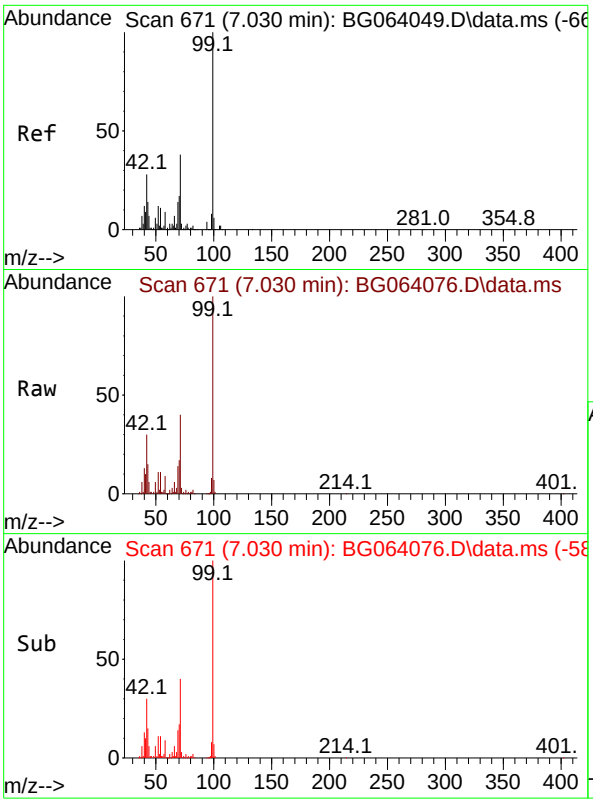


#5
2-Fluorophenol
Concen: 144.126 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:112 Resp: 311735

Ion	Ratio	Lower	Upper
112	100		
64	69.7	53.7	80.5
63	40.3	30.2	45.4



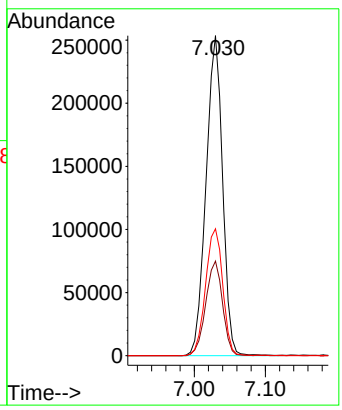


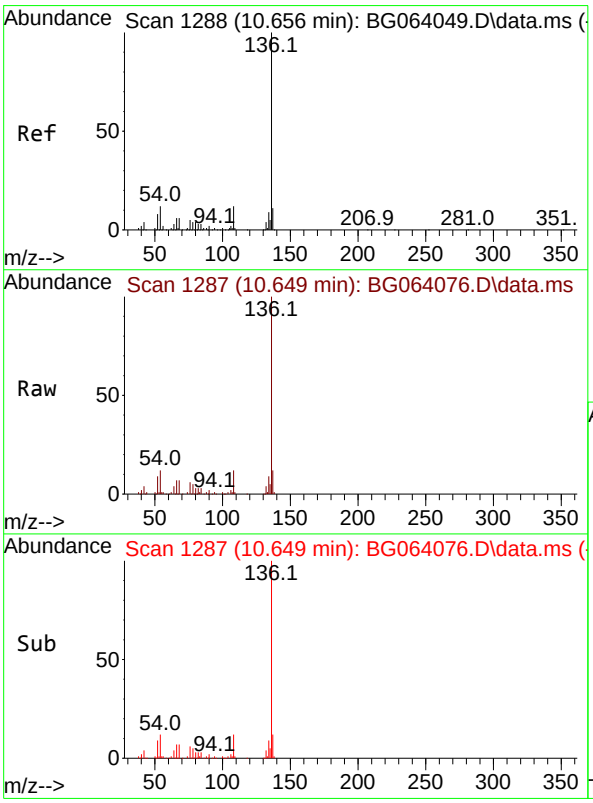
#7
Phenol-d6
Concen: 139.281 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion: 99 Resp: 409825

Ion	Ratio	Lower	Upper
99	100		
42	29.5	22.7	34.1
71	39.6	30.6	46.0

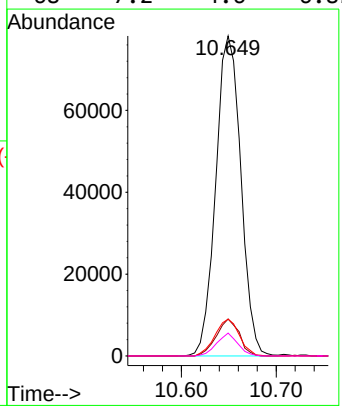


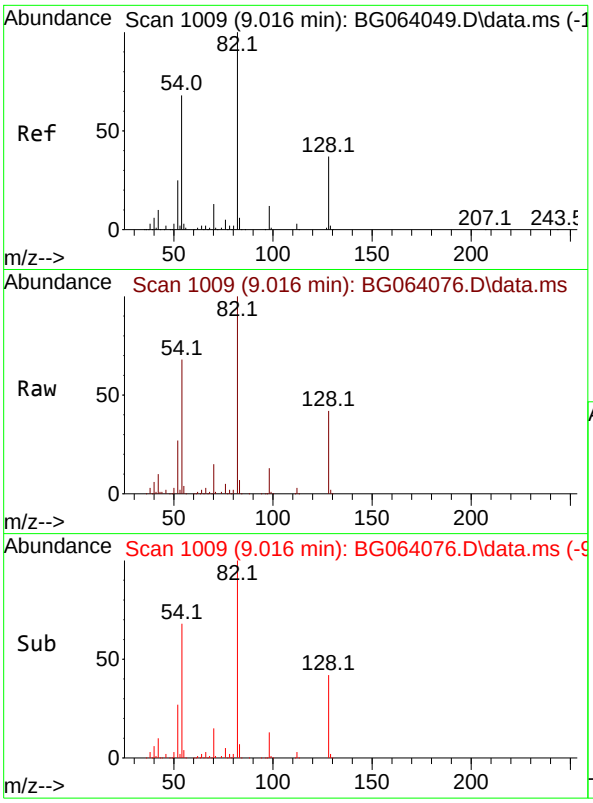


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:136 Resp: 143930

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	11.5	9.9	14.9
68	7.2	4.6	6.8#



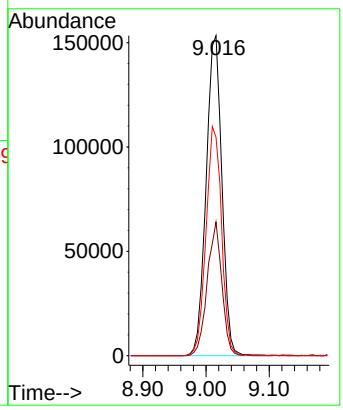


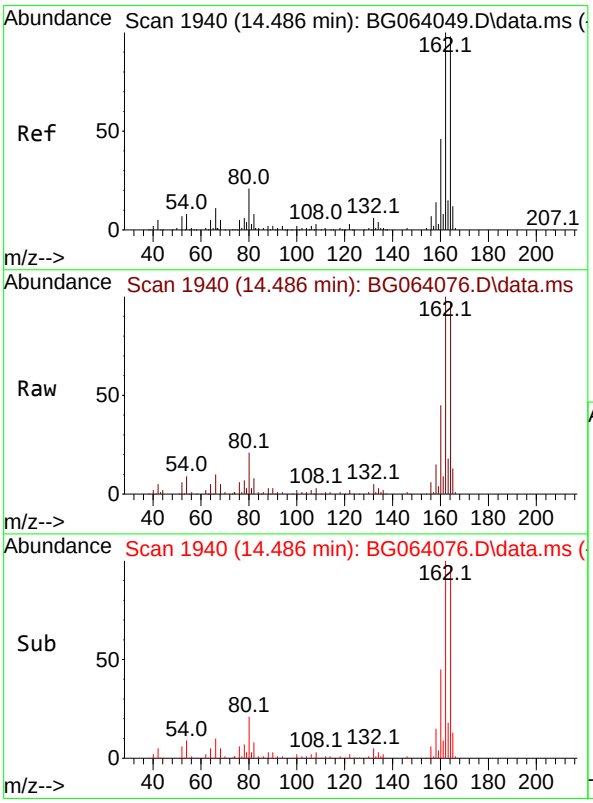
#23
Nitrobenzene-d5
Concen: 101.737 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion: 82 Resp: 264974

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

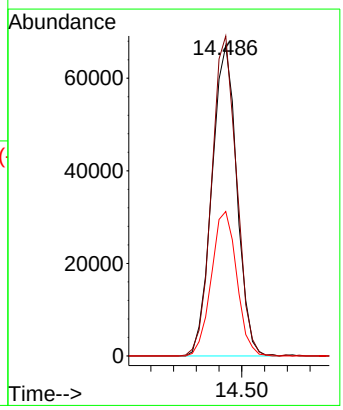


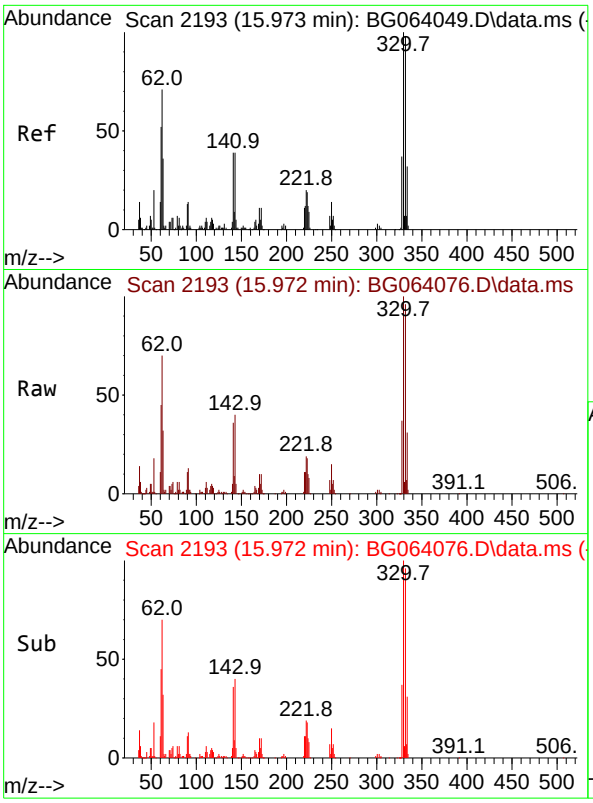


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:164 Resp: 102383

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



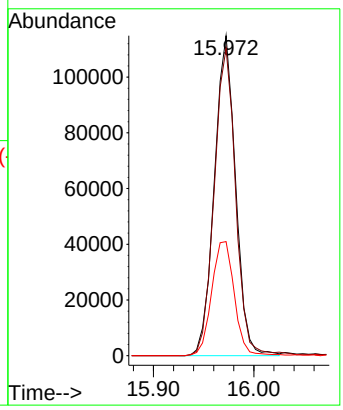


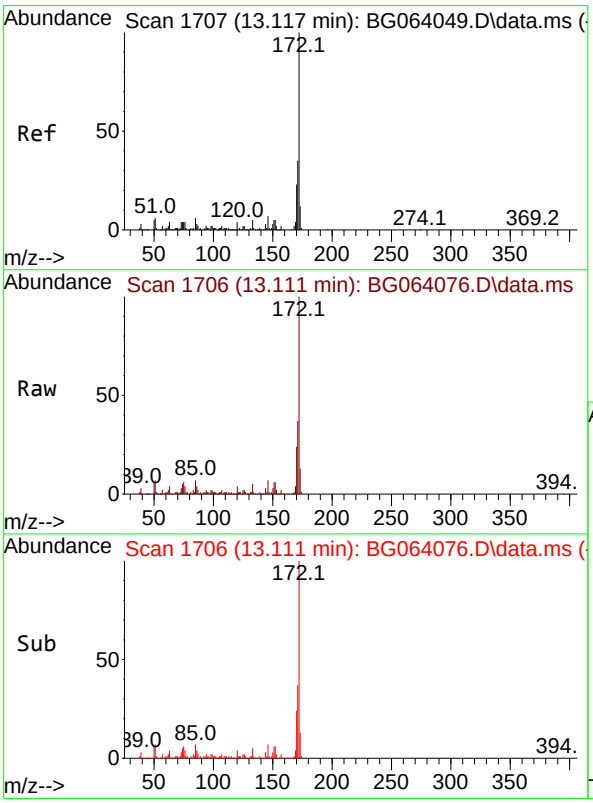
#42
2,4,6-Tribromophenol
Concen: 148.368 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:330 Resp: 168851

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	38.3	29.7	44.5

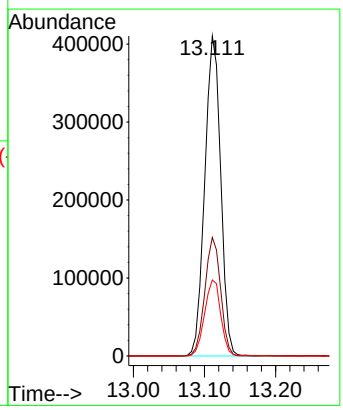


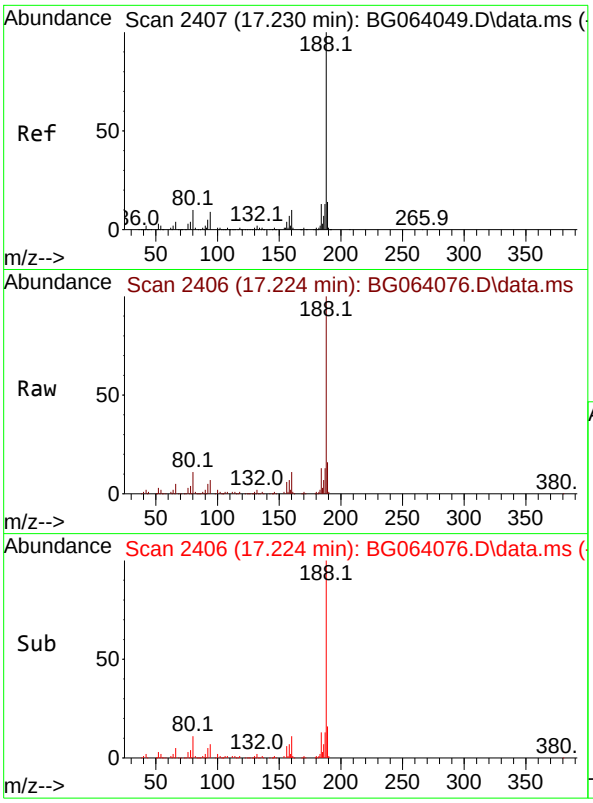


#45
2-Fluorobiphenyl
Concen: 94.896 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:172 Resp: 640087

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.0	42.0
170	23.7	18.7	28.1



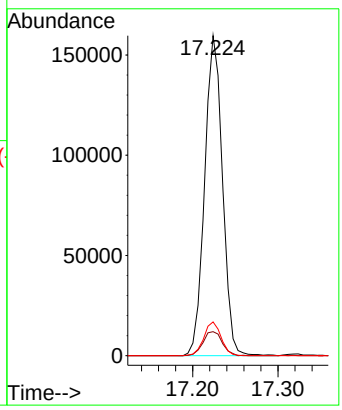


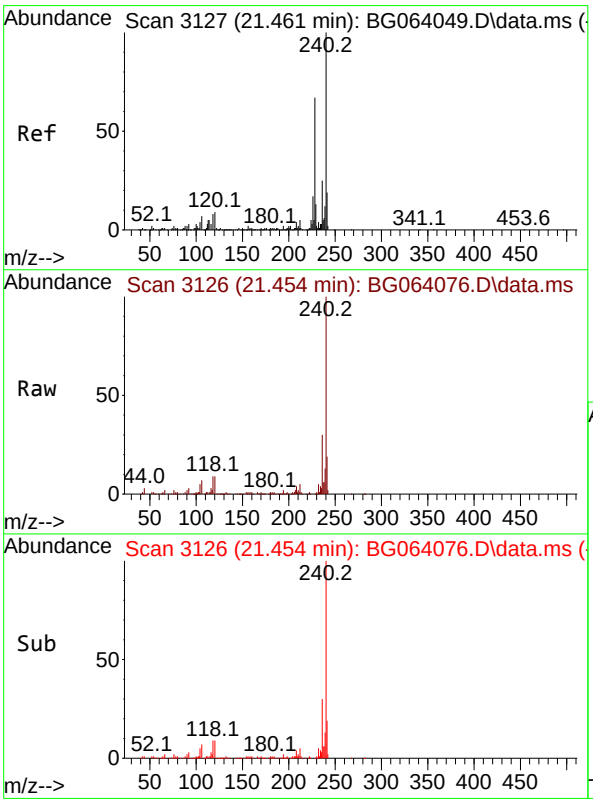
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:188 Resp: 231933

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.9	10.3
80	10.5	8.1	12.1

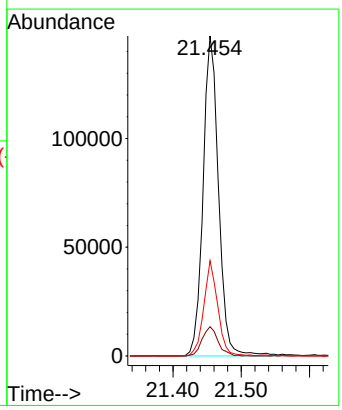


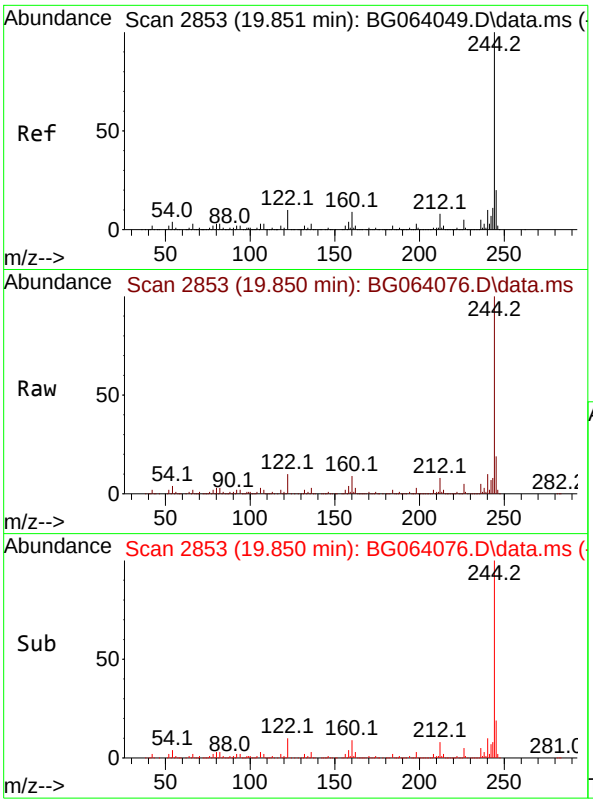


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:240 Resp: 231627

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.2	10.8
236	29.7	20.2	30.2



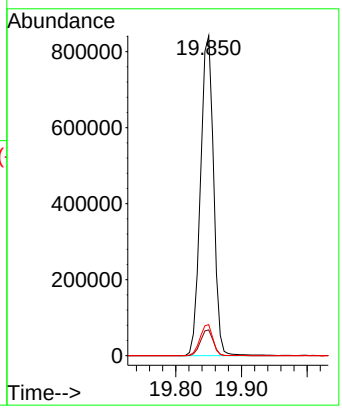


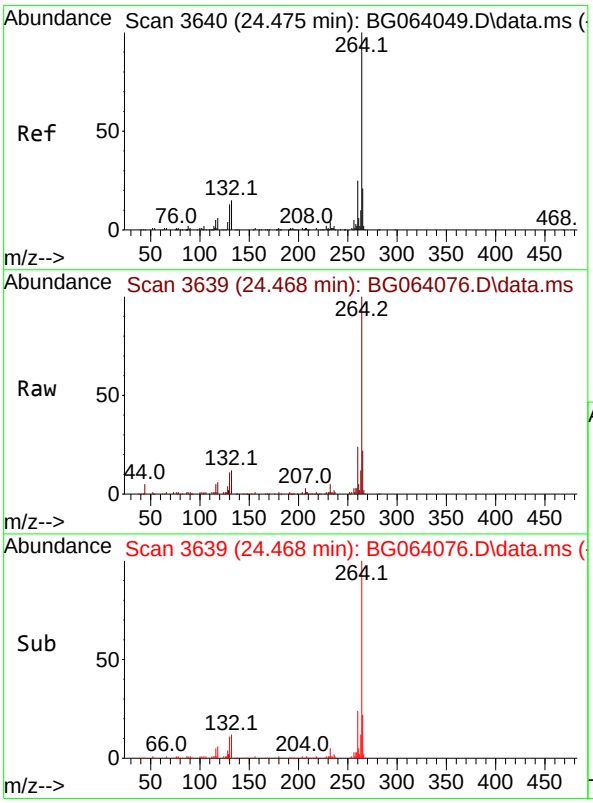
#79
Terphenyl-d14
Concen: 102.267 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Instrument :
BNA_G
ClientSampleId :
PB167020TB

Tgt Ion:244 Resp: 1171504

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.7	8.0	12.0

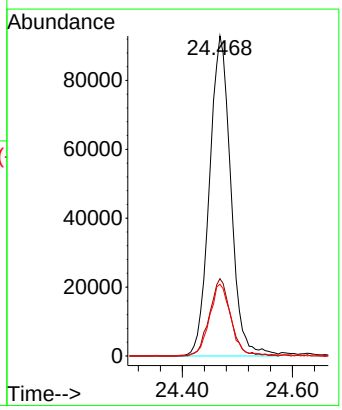




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.006 min
Lab File: BG064076.D
Acq: 10 Mar 2025 11:24

Tgt Ion:264 Resp: 250695

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064082.D
Acq On : 10 Mar 2025 15:44
Operator : RC/JU
Sample : Q1514-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 10 17:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

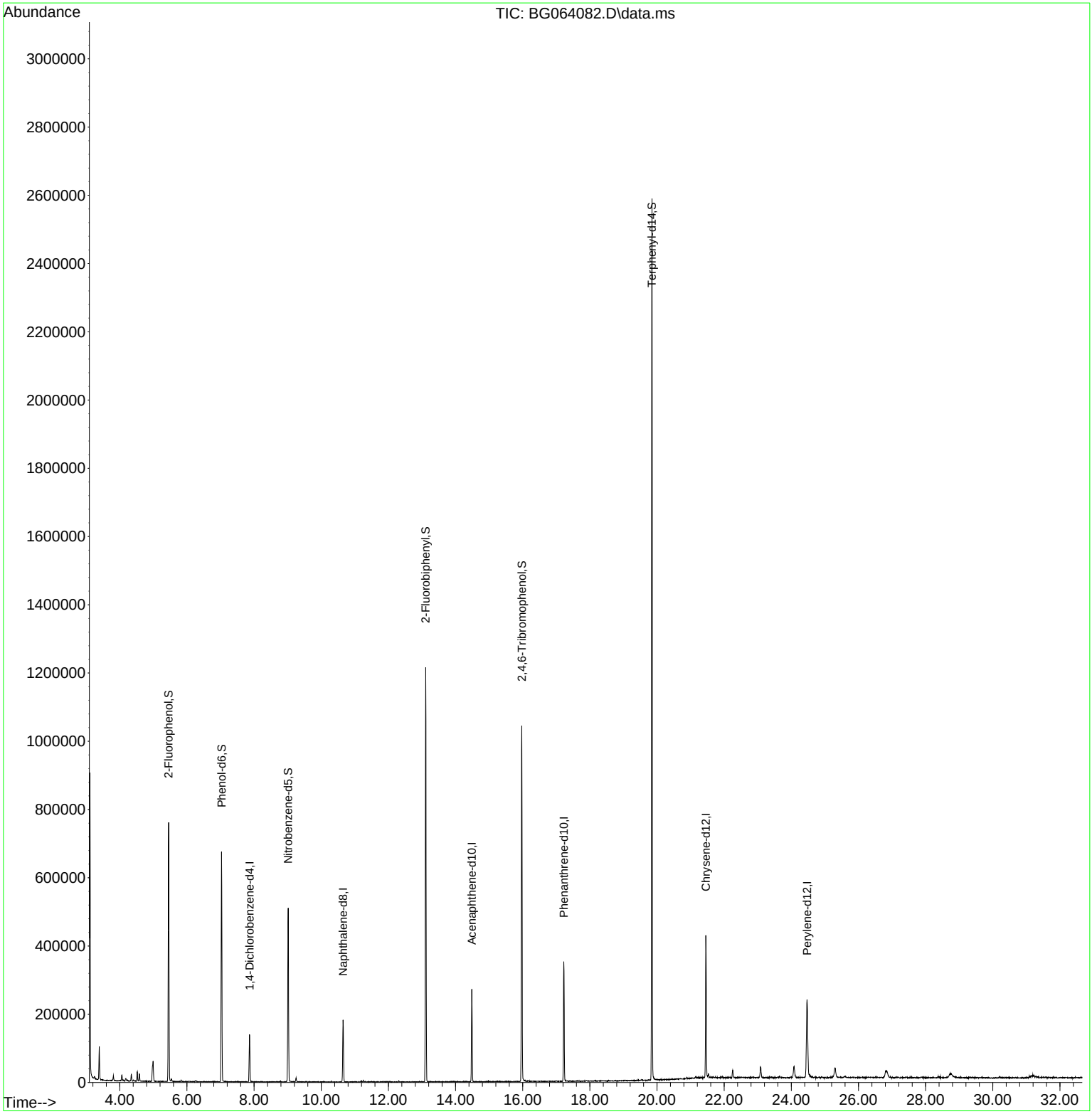
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	33115	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	135273	20.000	ng	0.00
39) Acenaphthene-d10	14.485	164	90840	20.000	ng	0.00
64) Phenanthrene-d10	17.223	188	211884	20.000	ng	0.00
76) Chrysene-d12	21.454	240	226453	20.000	ng	0.00
86) Perylene-d12	24.468	264	238169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.455	112	276035	130.157	ng	0.00
7) Phenol-d6	7.029	99	317763	110.139	ng	0.00
23) Nitrobenzene-d5	9.015	82	258664	105.670	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	173206	171.533	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	558838	93.378	ng	0.00
79) Terphenyl-d14	19.850	244	1203117	107.426	ng	0.00
Target Compounds						Qvalue

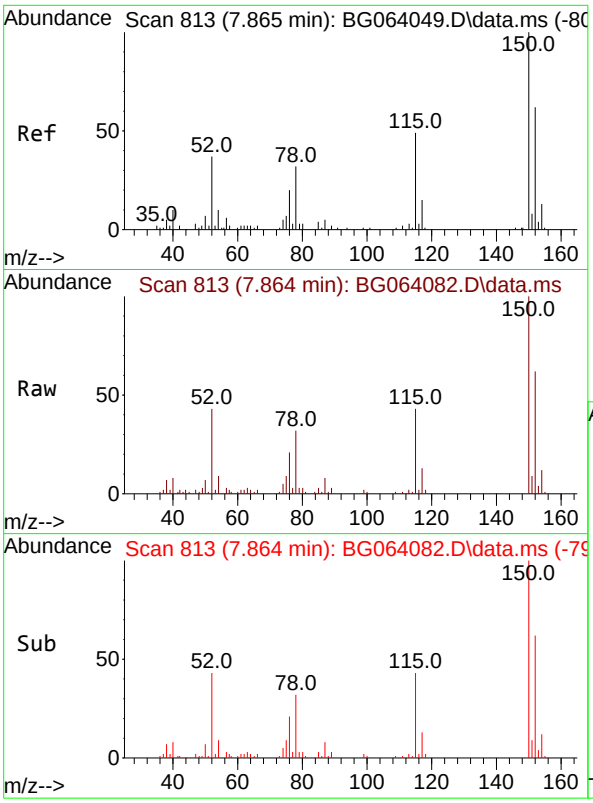
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064082.D
Acq On : 10 Mar 2025 15:44
Operator : RC/JU
Sample : Q1514-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Quant Time: Mar 10 17:44:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



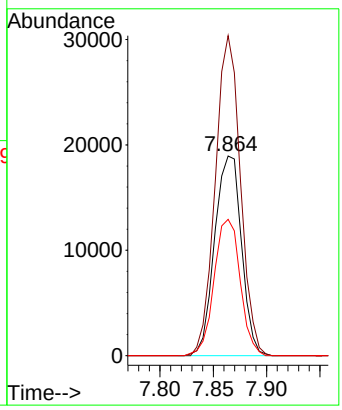


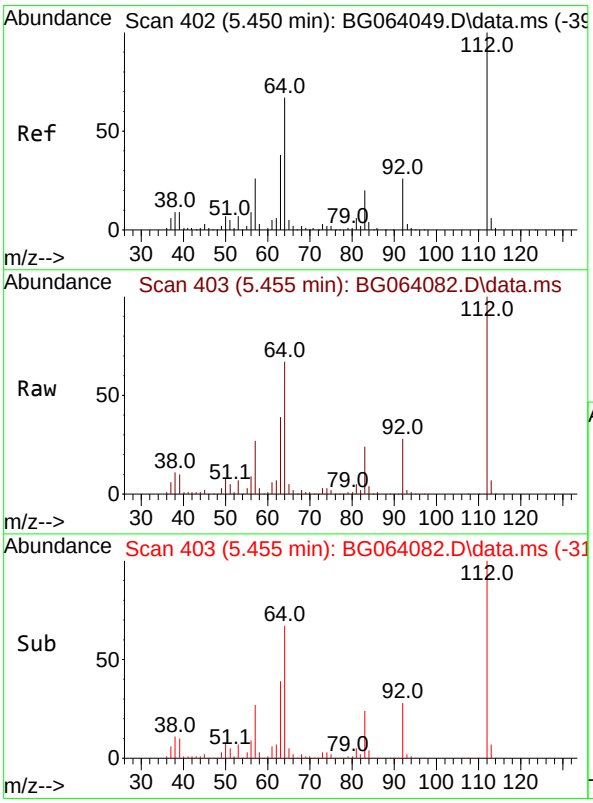
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:152 Resp: 33115

Ion	Ratio	Lower	Upper
152	100		
150	160.3	129.2	193.8
115	68.3	63.0	94.6

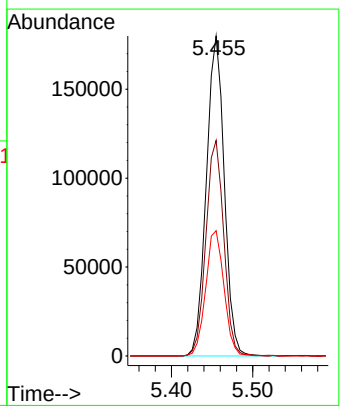


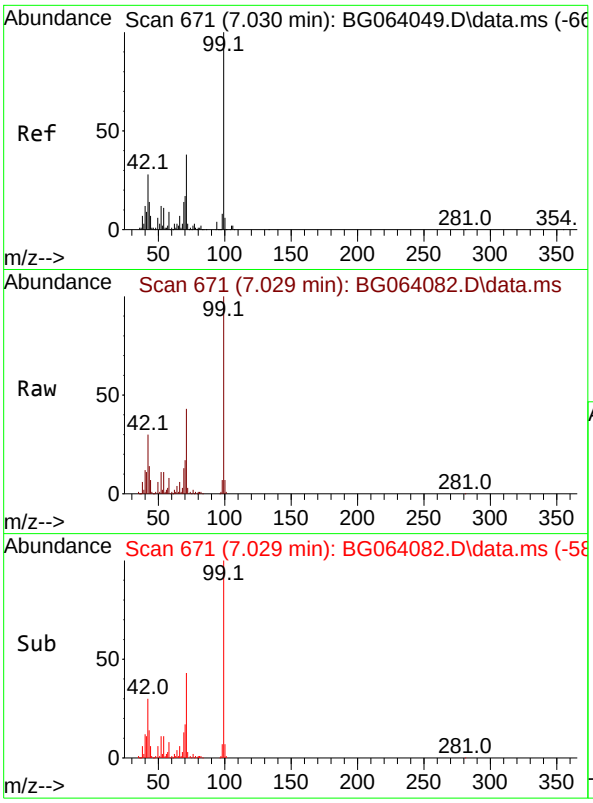


#5
2-Fluorophenol
Concen: 130.157 ng
RT: 5.455 min Scan# 403
Delta R.T. 0.005 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:112 Resp: 276035

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.7	80.5
63	39.2	30.2	45.4



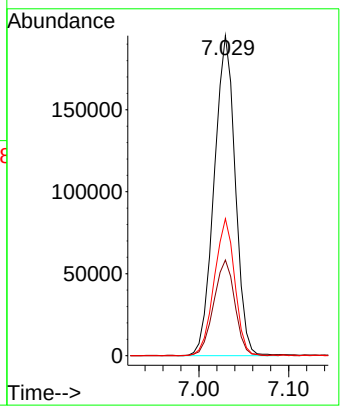


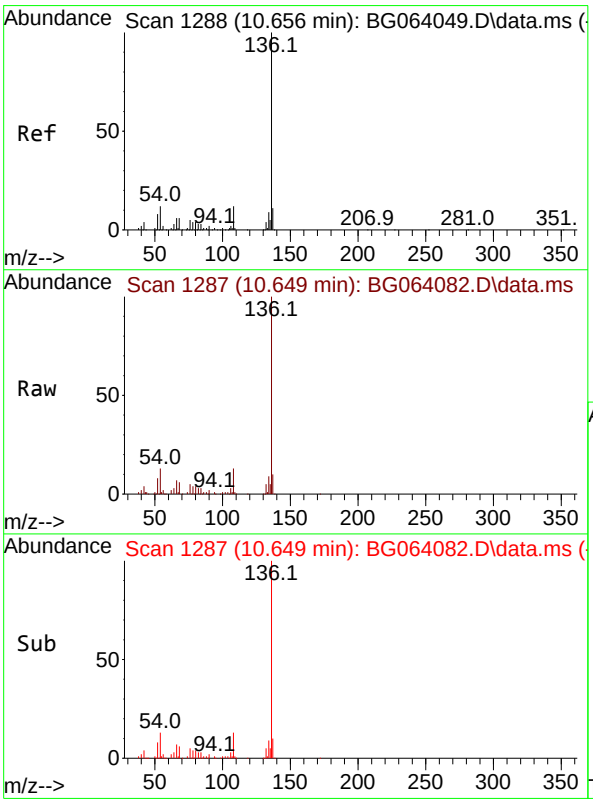
#7
Phenol-d6
Concen: 110.139 ng
RT: 7.029 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion: 99 Resp: 317763

Ion	Ratio	Lower	Upper
99	100		
42	29.9	22.7	34.1
71	42.8	30.6	46.0

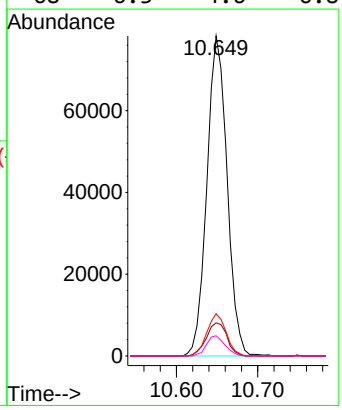


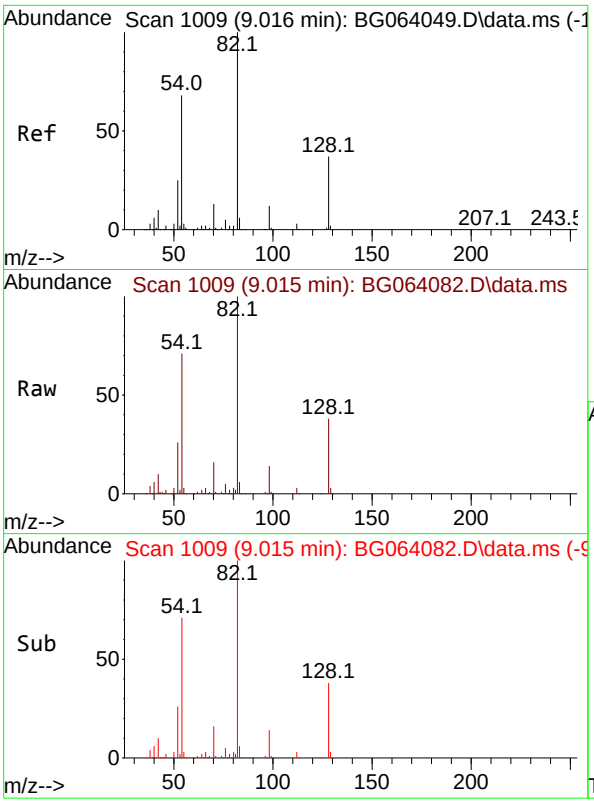


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:136 Resp: 135273

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	13.2	9.9	14.9
68	6.3	4.6	6.8



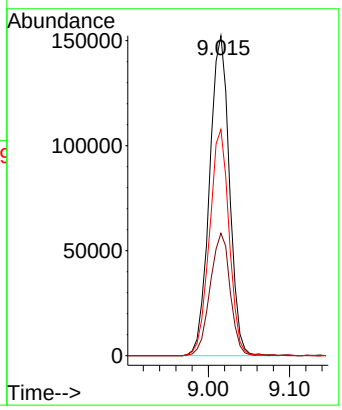


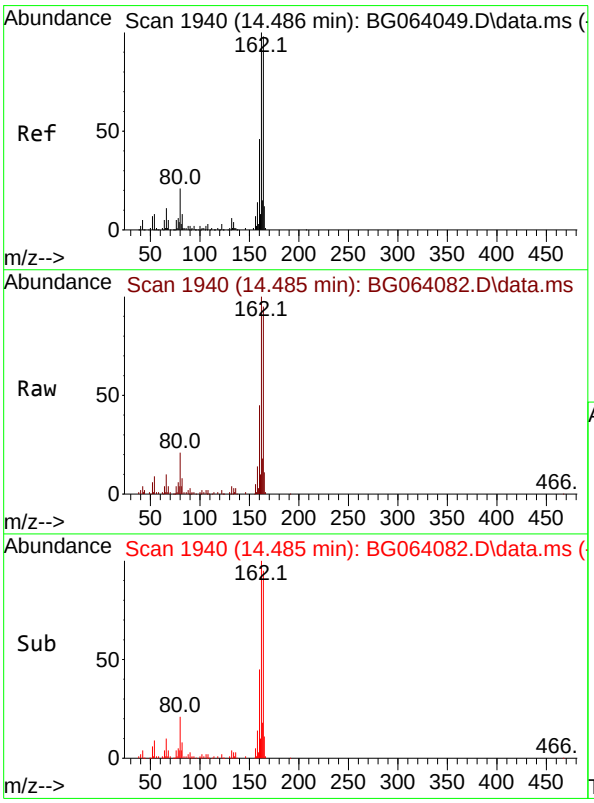
#23
Nitrobenzene-d5
Concen: 105.670 ng
RT: 9.015 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion: 82 Resp: 258664

Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.0	45.0
54	70.7	54.7	82.1

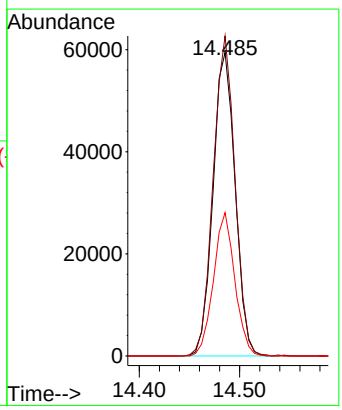


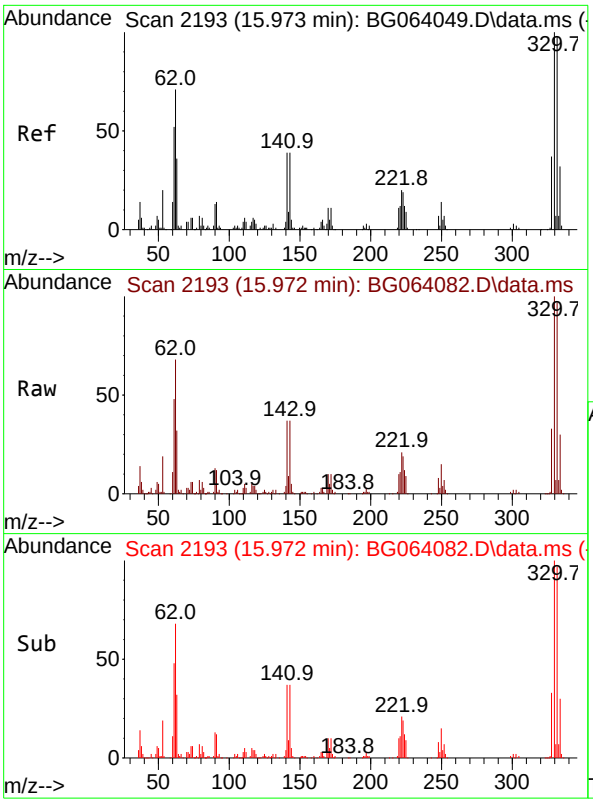


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.485 min Scan# 1940
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:164 Resp: 90840

Ion	Ratio	Lower	Upper
164	100		
162	105.4	81.4	122.0
160	47.2	37.0	55.6



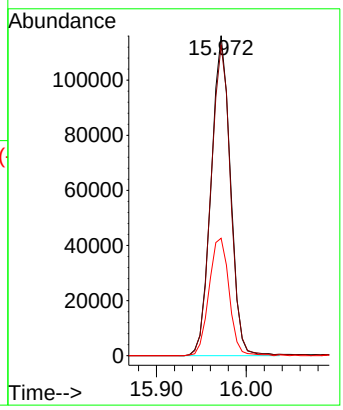


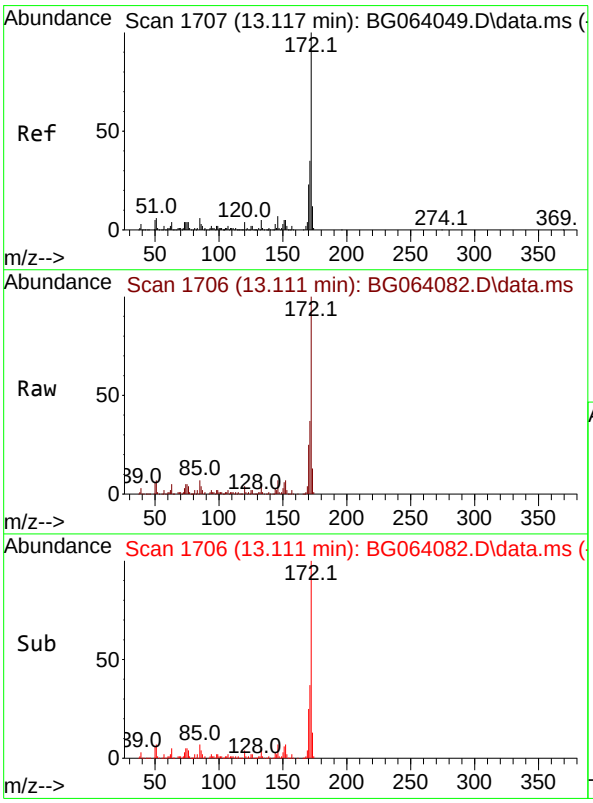
#42
2,4,6-Tribromophenol
Concen: 171.533 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:330 Resp: 173206

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.7	115.1
141	38.2	29.7	44.5

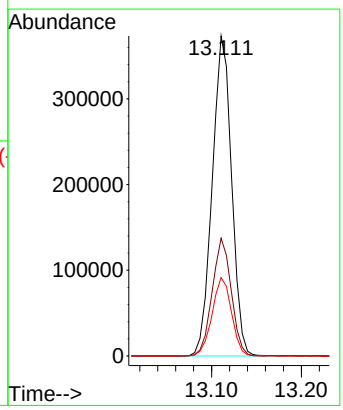


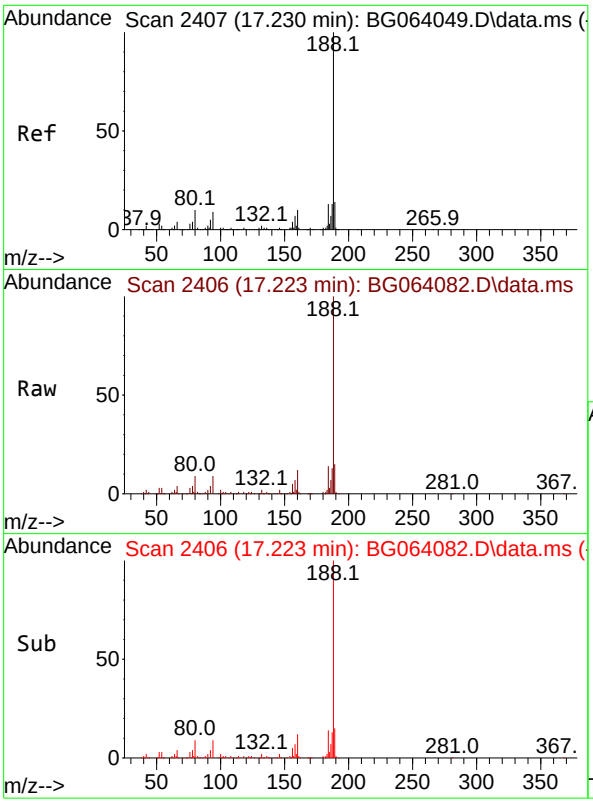


#45
2-Fluorobiphenyl
Concen: 93.378 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:172 Resp: 558838

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.0	42.0
170	24.5	18.7	28.1



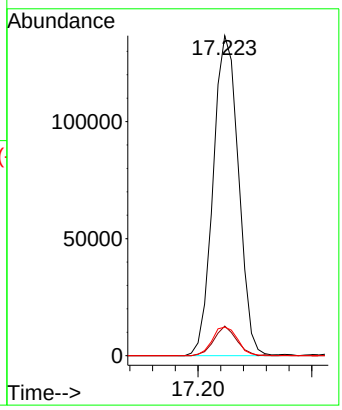


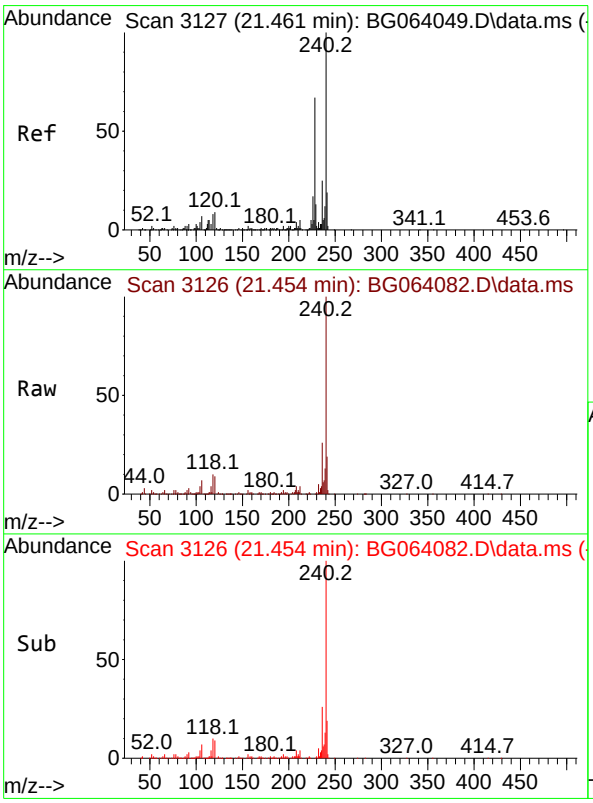
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.223 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:188 Resp: 211884

Ion	Ratio	Lower	Upper
188	100		
94	9.2	6.9	10.3
80	8.9	8.1	12.1

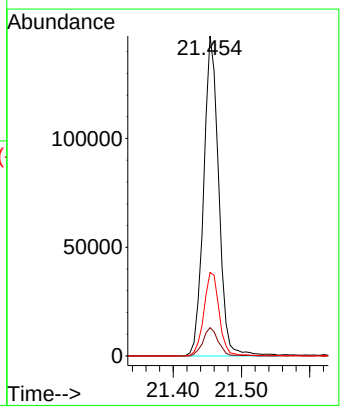


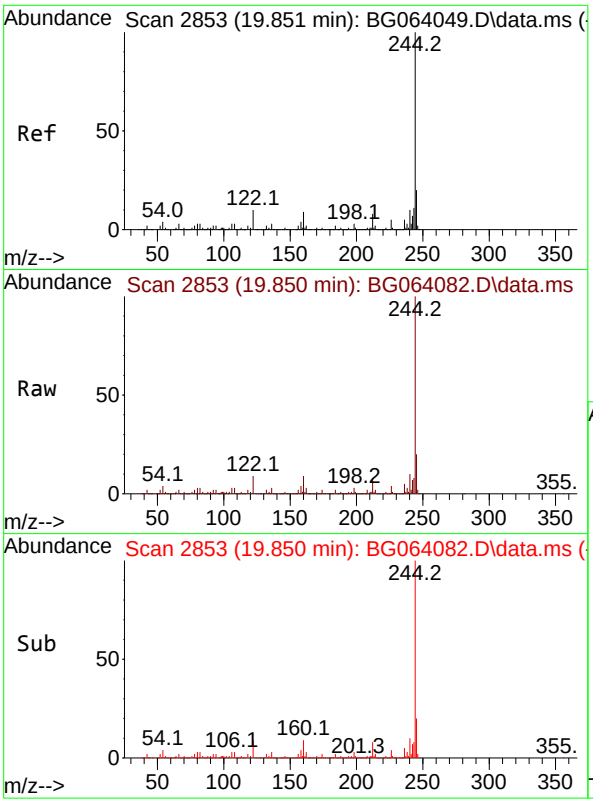


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:240 Resp: 226453

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.2	10.8
236	26.1	20.2	30.2



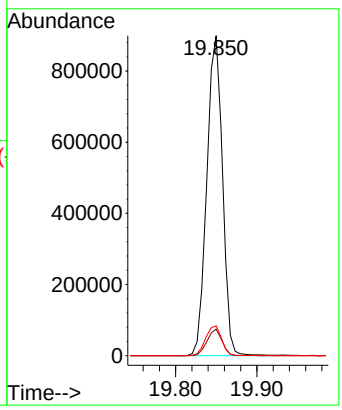


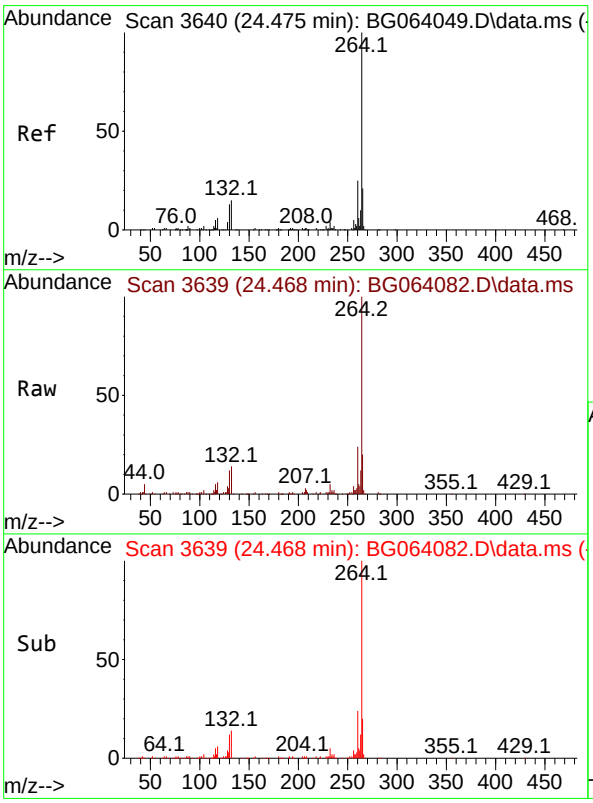
#79
Terphenyl-d14
Concen: 107.426 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB01

Tgt Ion:244 Resp: 1203117

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	9.3	8.0	12.0

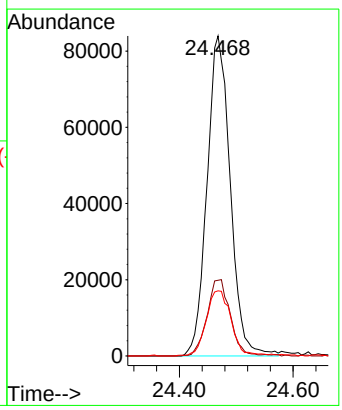




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064082.D
Acq: 10 Mar 2025 15:44

Tgt Ion:264 Resp: 238169

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.4	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064083.D
Acq On : 10 Mar 2025 16:25
Operator : RC/JU
Sample : Q1514-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 10 18:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

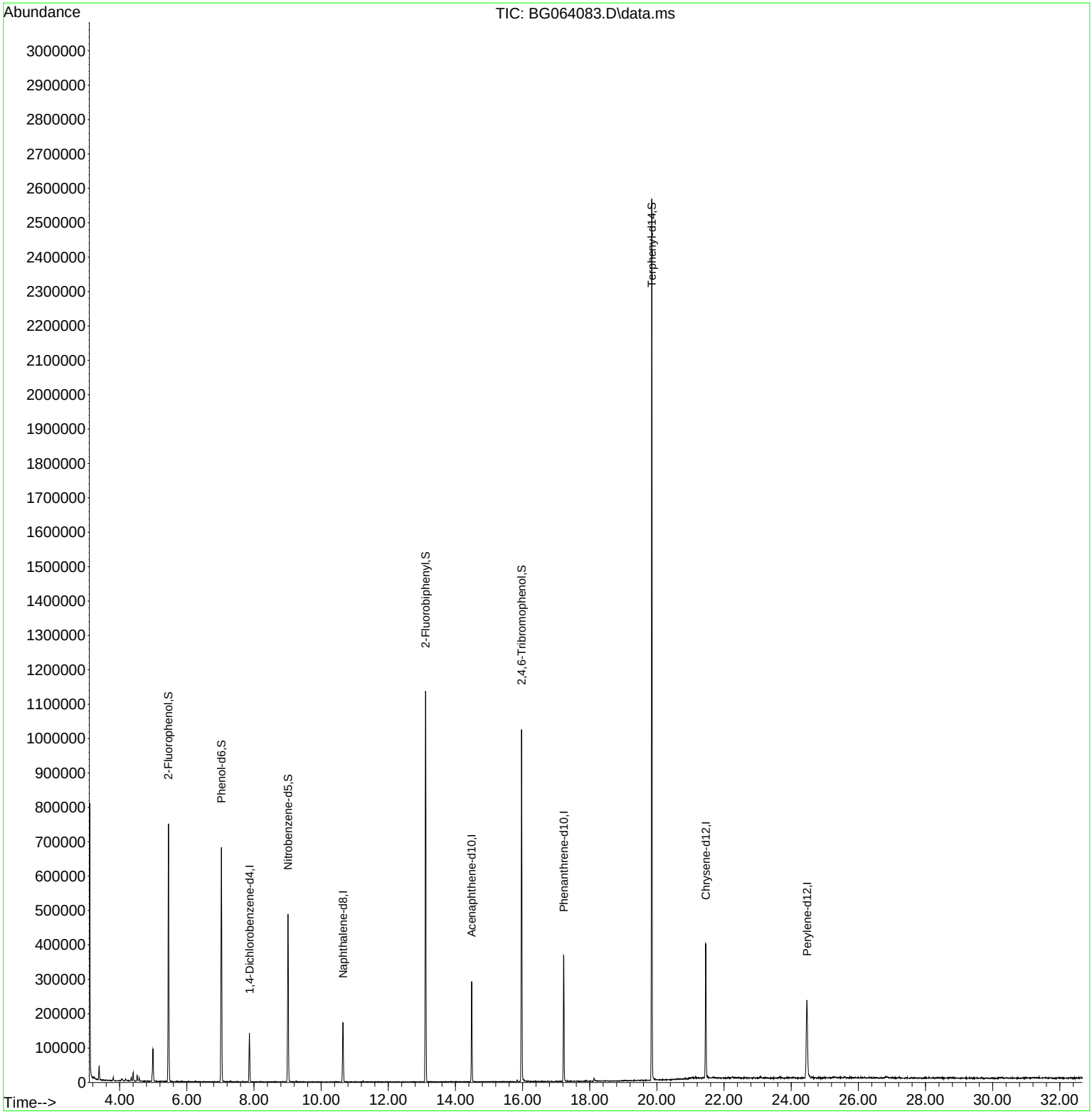
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.868	152	33131	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	137948	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	92307	20.000	ng	0.00
64) Phenanthrene-d10	17.228	188	212136	20.000	ng	0.00
76) Chrysene-d12	21.458	240	223138	20.000	ng	0.00
86) Perylene-d12	24.472	264	227657	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	278811	131.402	ng	0.00
7) Phenol-d6	7.028	99	331043	114.687	ng	0.00
23) Nitrobenzene-d5	9.014	82	252088	100.986	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	165524	161.320	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	552471	90.847	ng	0.00
79) Terphenyl-d14	19.848	244	1143296	103.601	ng	0.00
Target Compounds						Qvalue

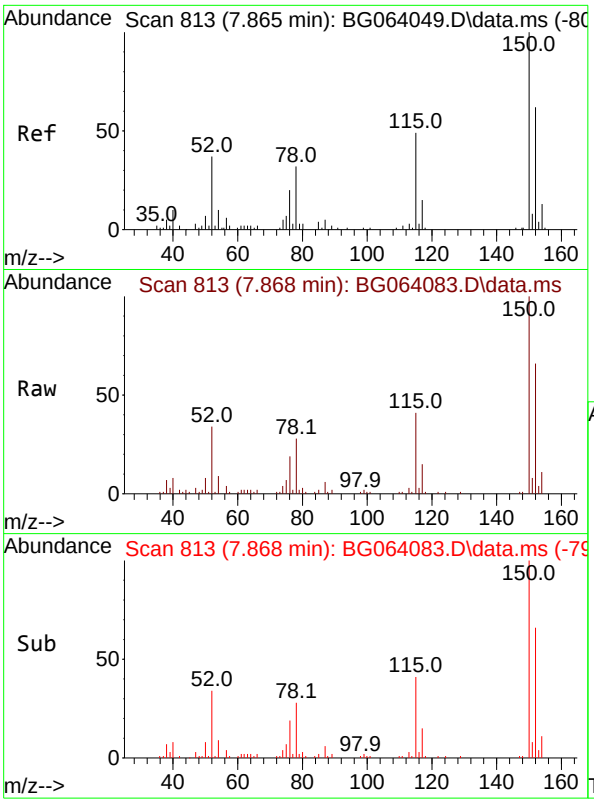
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064083.D
Acq On : 10 Mar 2025 16:25
Operator : RC/JU
Sample : Q1514-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 10 18:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



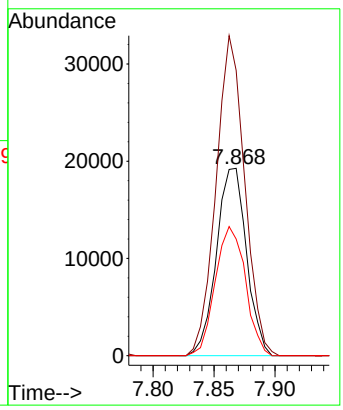


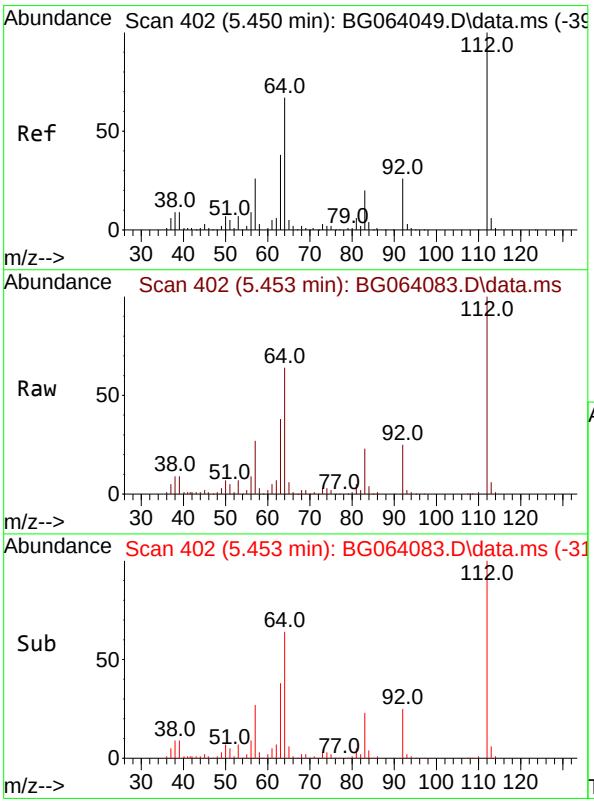
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.868 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 33131

Ion	Ratio	Lower	Upper
152	100		
150	152.3	129.2	193.8
115	62.3	63.0	94.6#

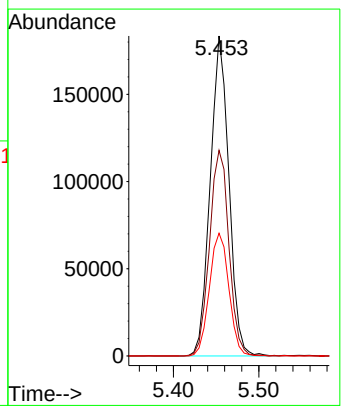


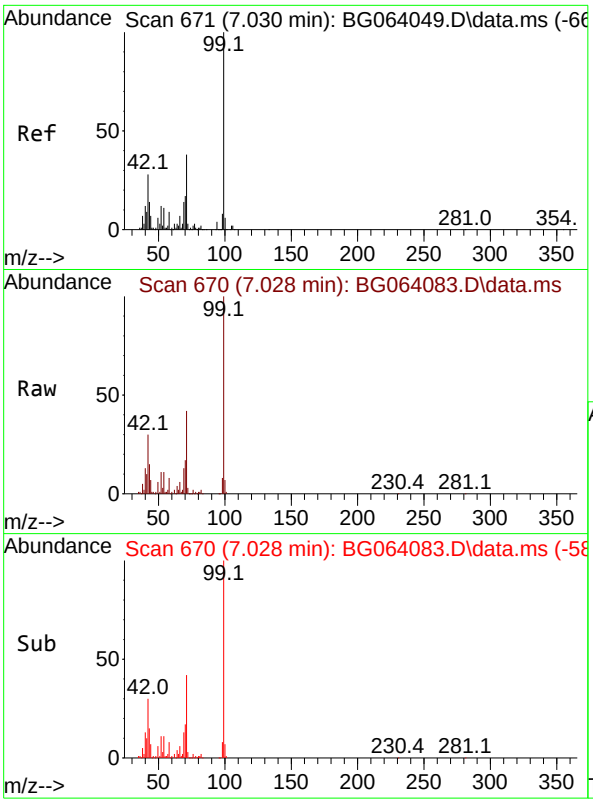


#5
2-Fluorophenol
Concen: 131.402 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:112 Resp: 278811

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.7	80.5
63	38.4	30.2	45.4



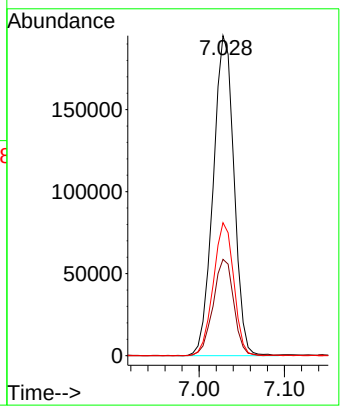


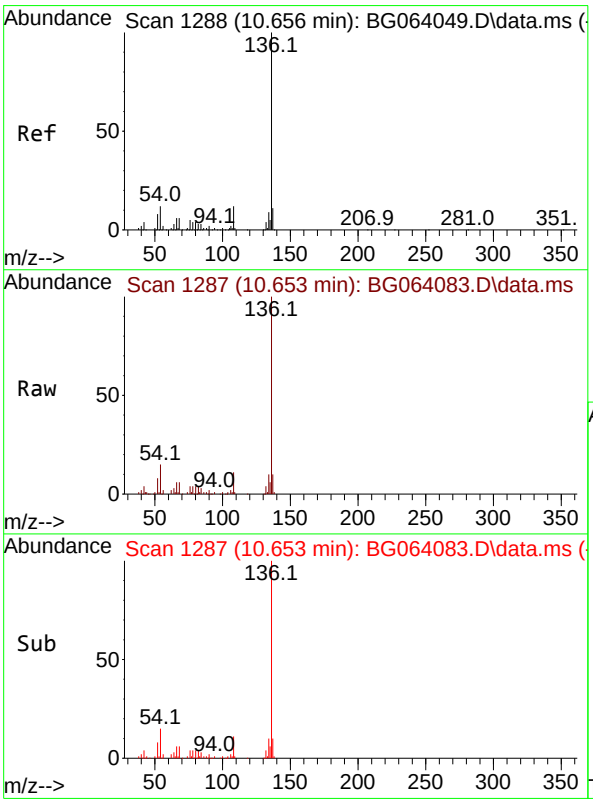
#7
Phenol-d6
Concen: 114.687 ng
RT: 7.028 min Scan# 6
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 99 Resp: 331043

Ion	Ratio	Lower	Upper
99	100		
42	30.1	22.7	34.1
71	41.5	30.6	46.0

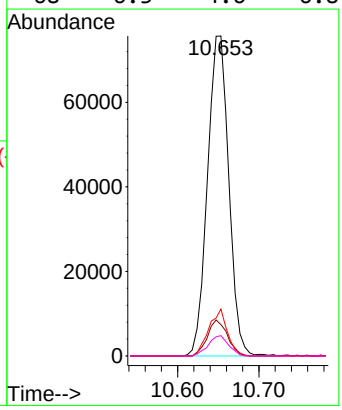


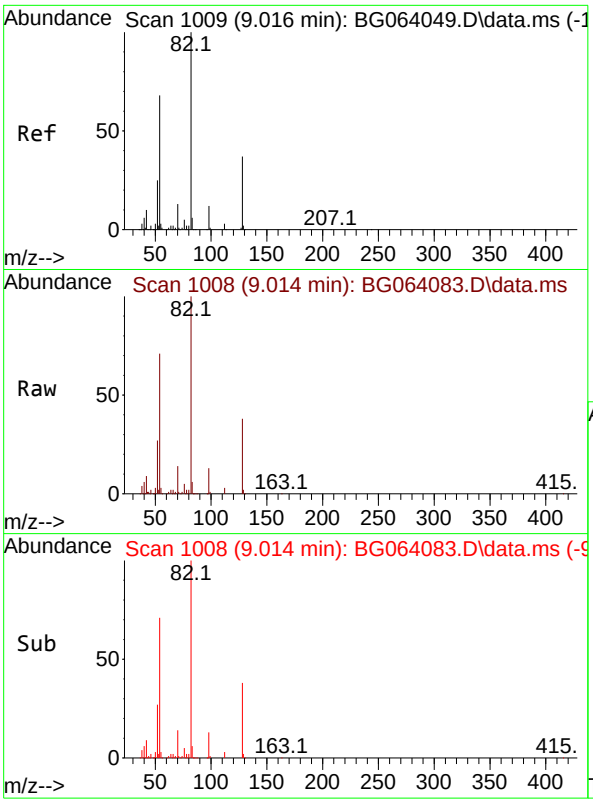


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:136 Resp: 137948

Ion	Ratio	Lower	Upper
136	100		
137	9.8	8.5	12.7
54	14.6	9.9	14.9
68	6.3	4.6	6.8



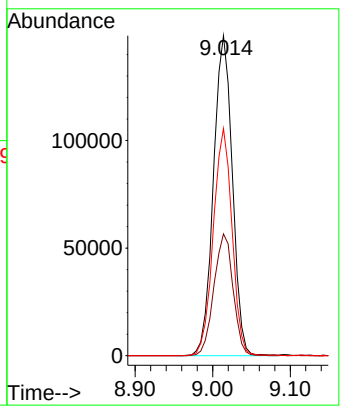


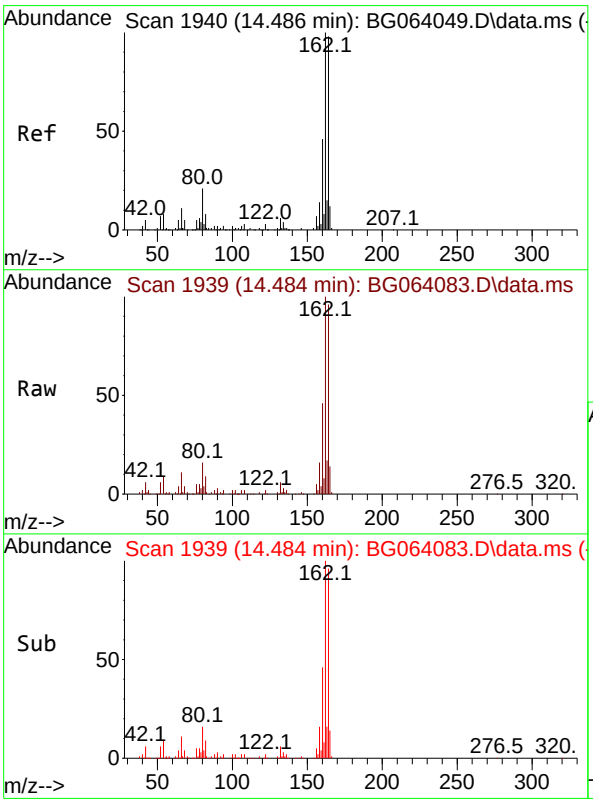
#23
Nitrobenzene-d5
Concen: 100.986 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 82 Resp: 252088

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	71.0	54.7	82.1

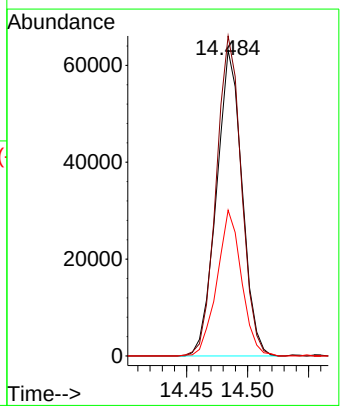


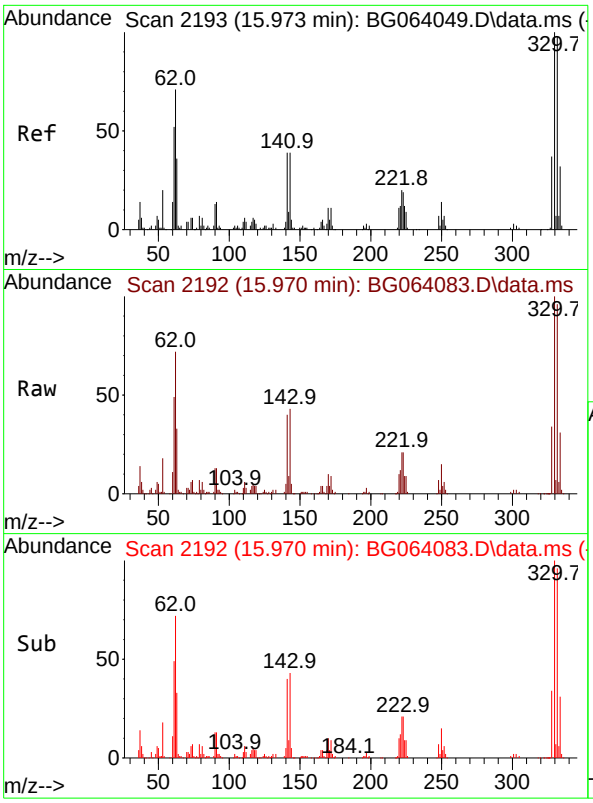


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1939
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:164 Resp: 92307

Ion	Ratio	Lower	Upper
164	100		
162	104.7	81.4	122.0
160	47.7	37.0	55.6



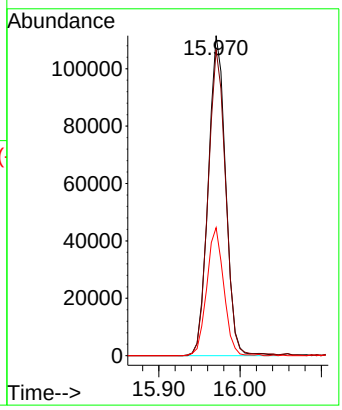


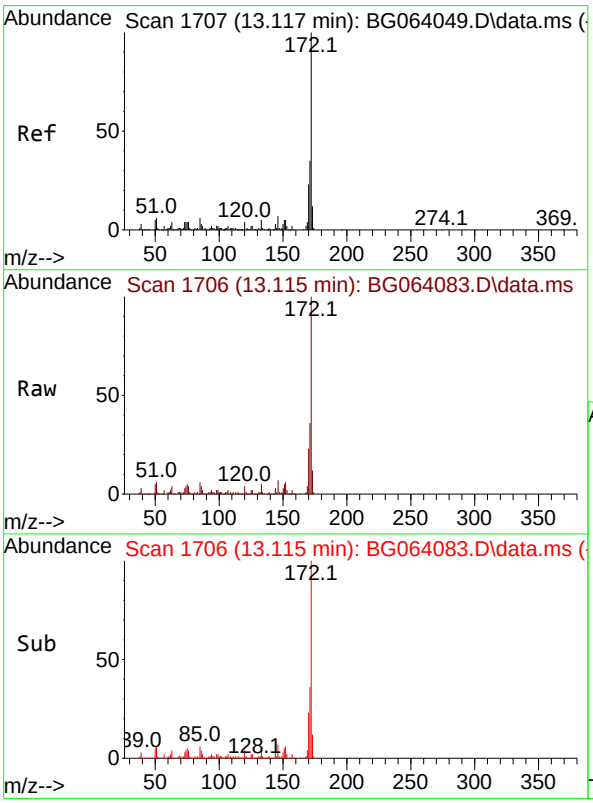
#42
2,4,6-Tribromophenol
Concen: 161.320 ng
RT: 15.970 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:330 Resp: 165524

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	39.2	29.7	44.5

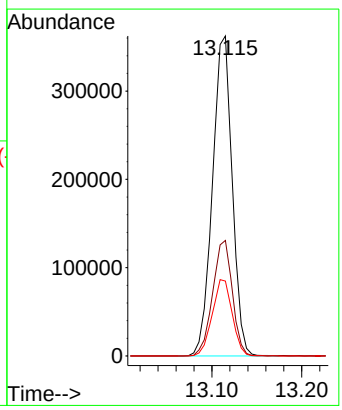


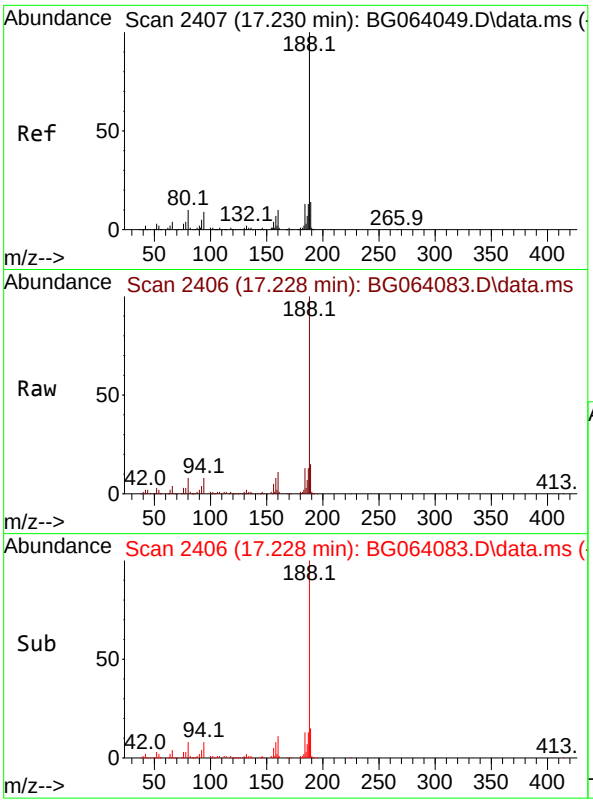


#45
2-Fluorobiphenyl
Concen: 90.847 ng
RT: 13.115 min Scan# 1706
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:172 Resp: 552471

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.0	42.0
170	23.4	18.7	28.1



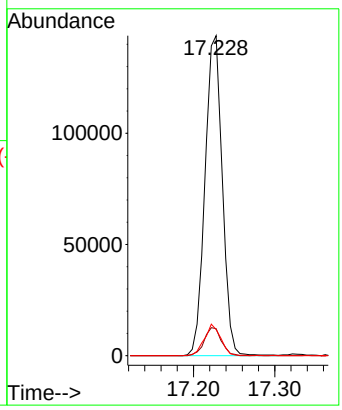


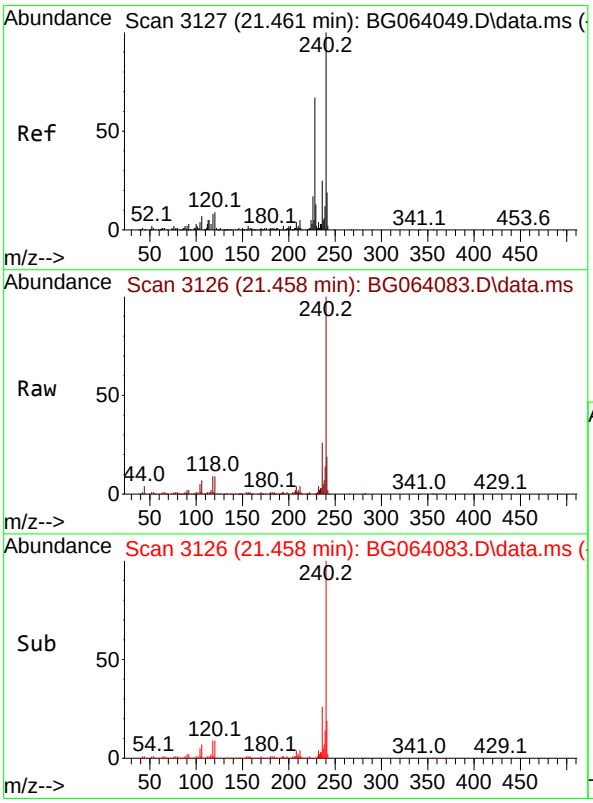
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:188 Resp: 212136

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	8.2	8.1	12.1

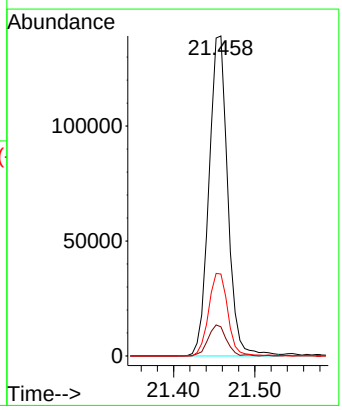


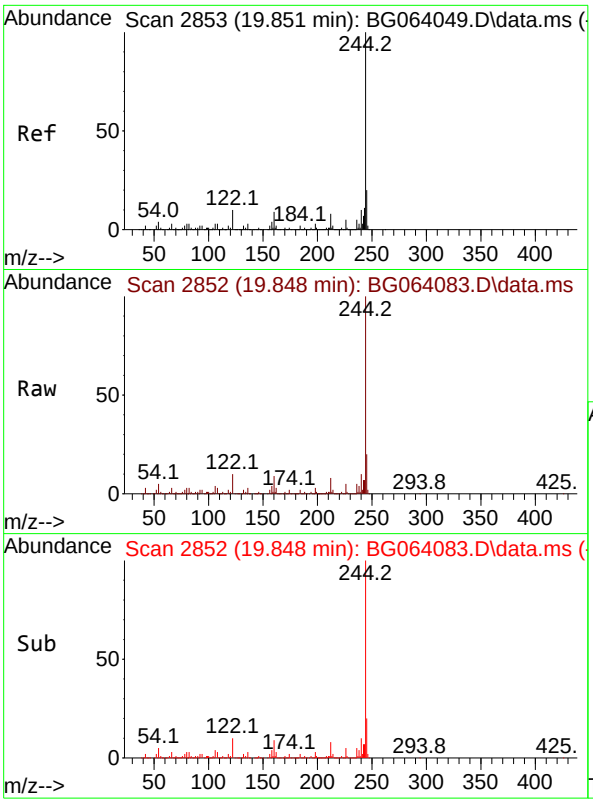


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:240 Resp: 223138

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.2	10.8
236	25.6	20.2	30.2



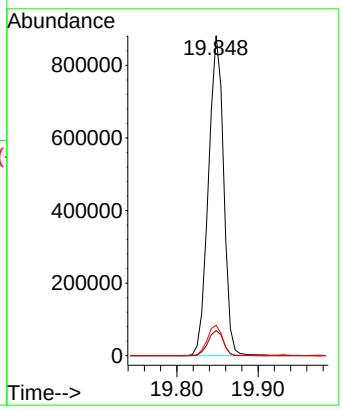


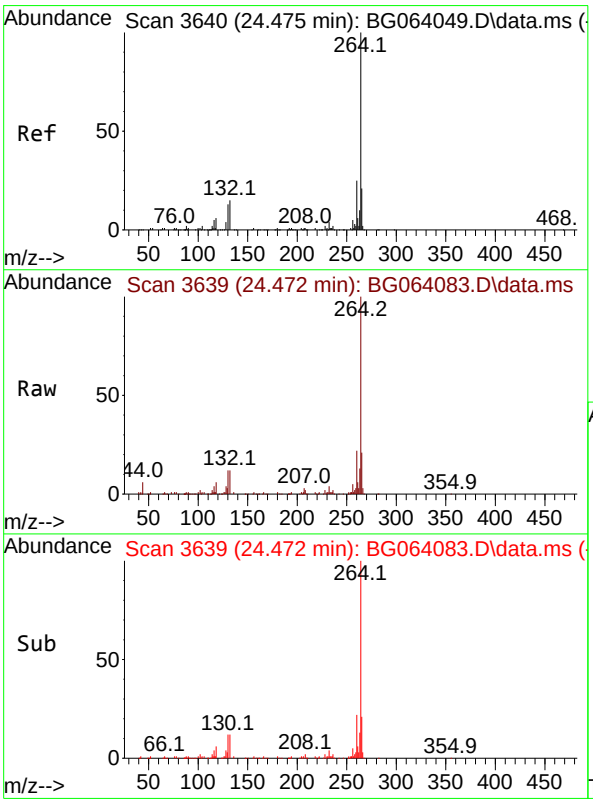
#79
Terphenyl-d14
Concen: 103.601 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:244 Resp: 1143296

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.5	8.0	12.0

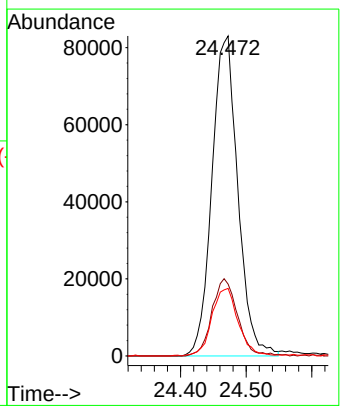




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.002 min
Lab File: BG064083.D
Acq: 10 Mar 2025 16:25

Tgt Ion:264 Resp: 227657

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.6	29.4
265	21.1	16.6	25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064084.D
Acq On : 10 Mar 2025 17:05
Operator : RC/JU
Sample : Q1514-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 10 18:48:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

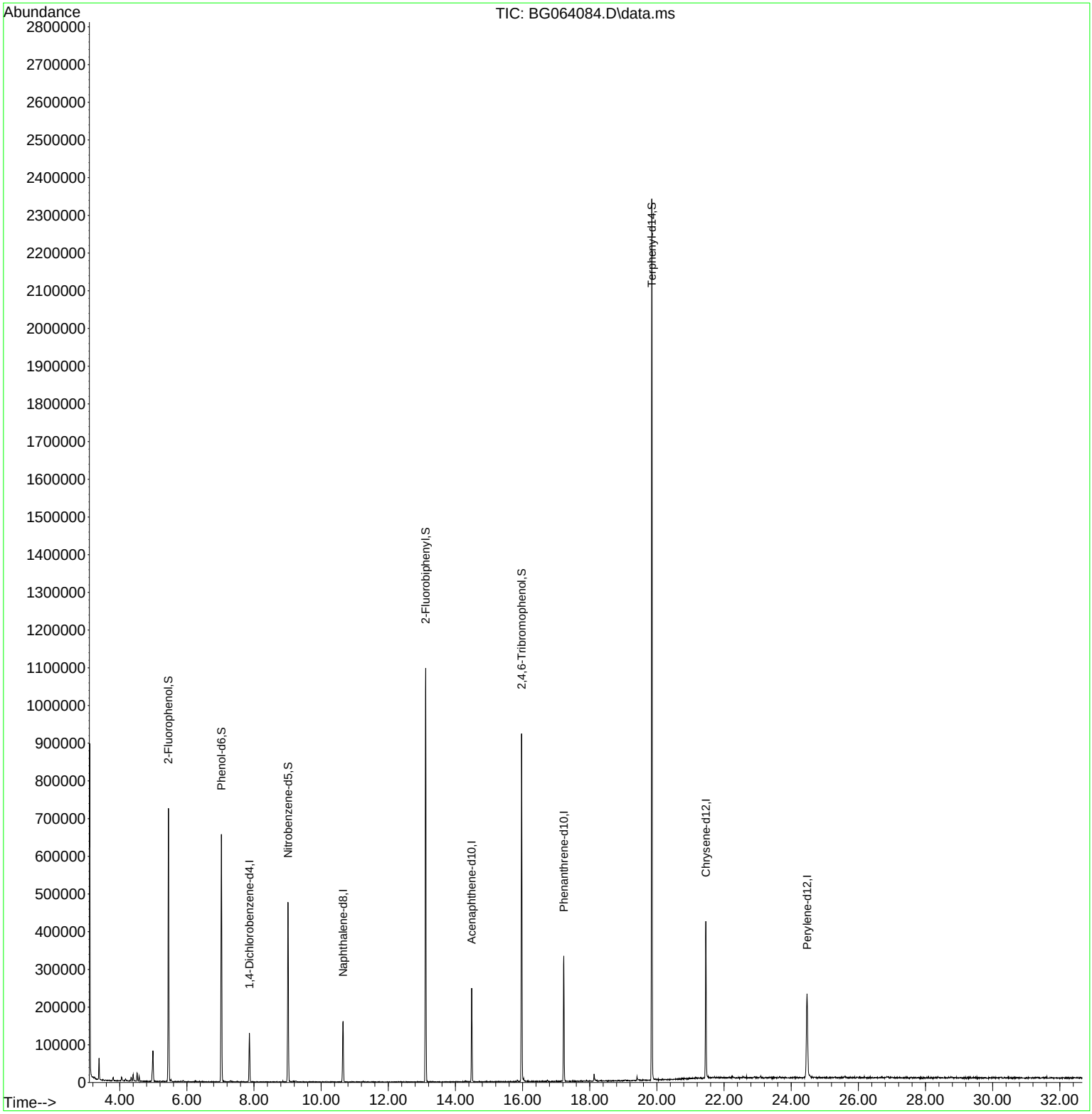
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	30932	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	125637	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	82477	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	191417	20.000	ng	0.00
76) Chrysene-d12	21.457	240	227681	20.000	ng	0.00
86) Perylene-d12	24.471	264	219074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	267735	135.152	ng	0.00
7) Phenol-d6	7.027	99	315291	116.995	ng	0.00
23) Nitrobenzene-d5	9.012	82	239394	105.298	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	148397	161.866	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	517675	95.271	ng	0.00
79) Terphenyl-d14	19.853	244	1137545	101.023	ng	0.00
Target Compounds						Qvalue

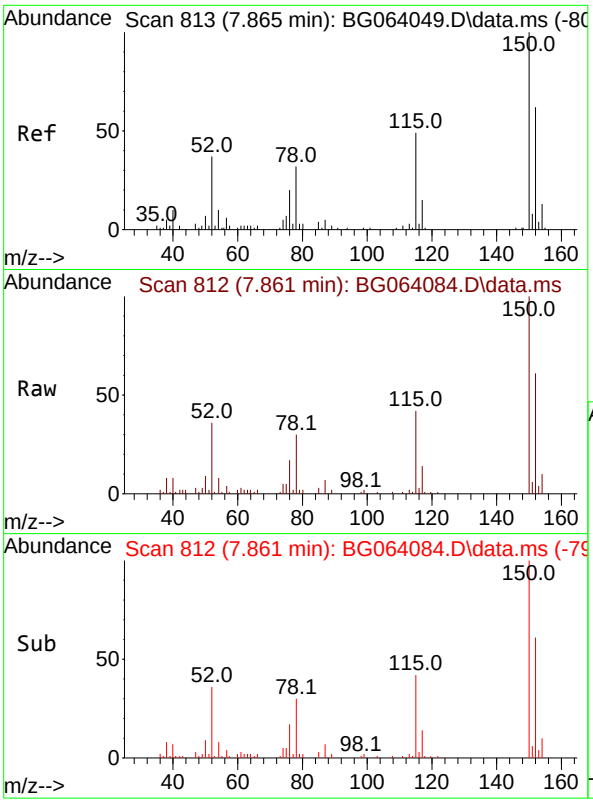
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064084.D
Acq On : 10 Mar 2025 17:05
Operator : RC/JU
Sample : Q1514-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 10 18:48:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



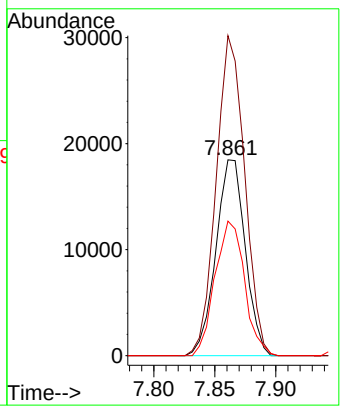


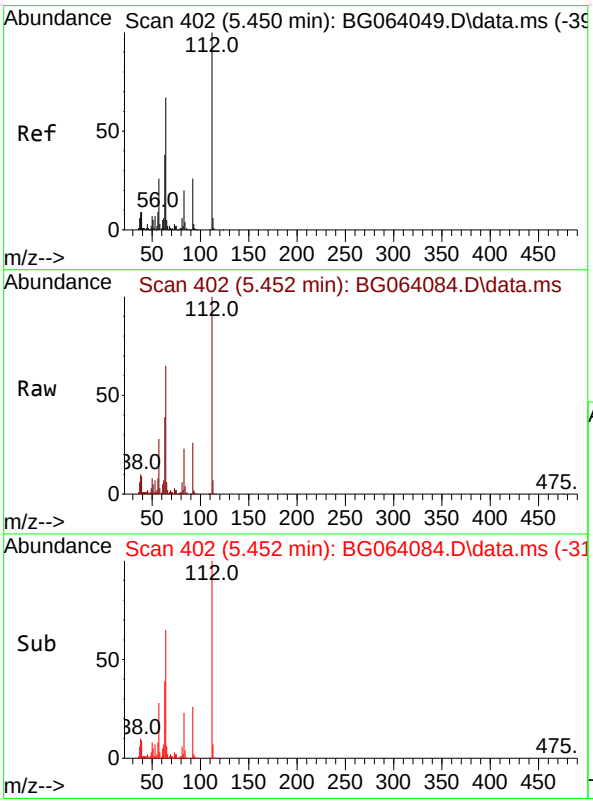
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 30932

Ion	Ratio	Lower	Upper
152	100		
150	163.4	129.2	193.8
115	68.7	63.0	94.6

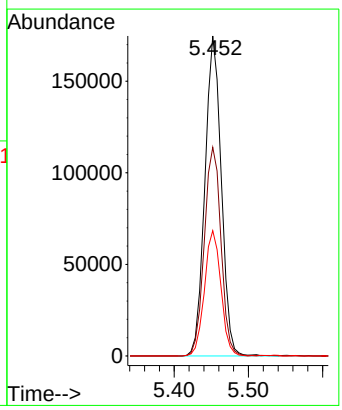


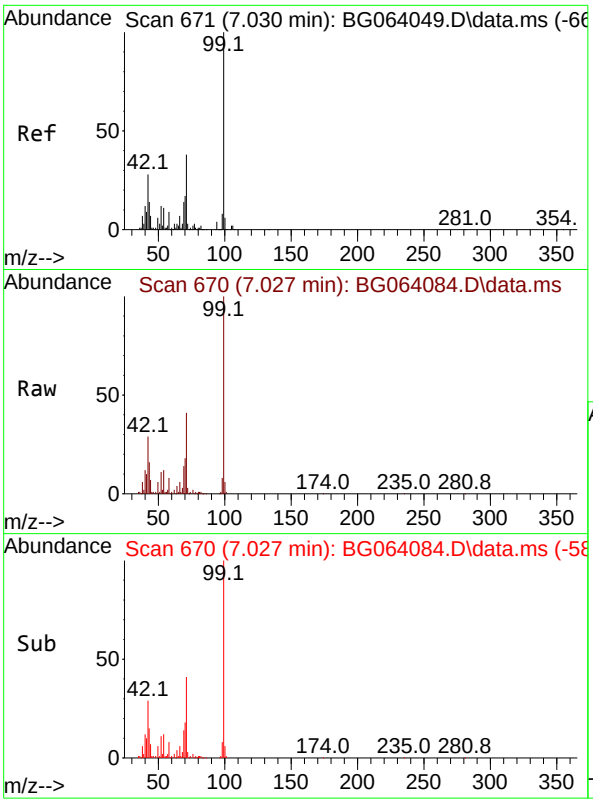


#5
2-Fluorophenol
Concen: 135.152 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:112 Resp: 267735

Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.7	80.5
63	39.1	30.2	45.4



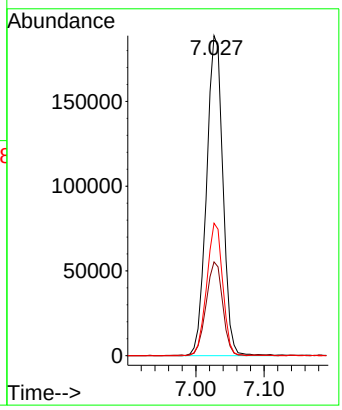


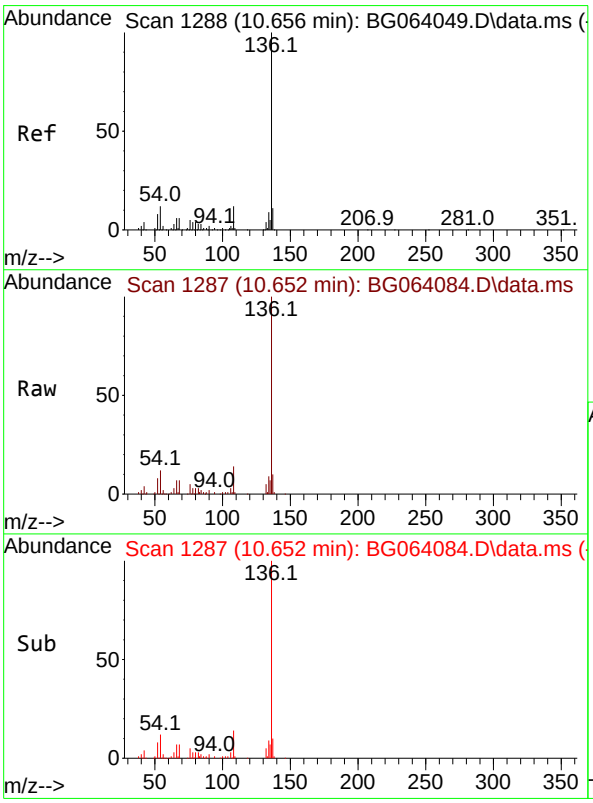
#7
Phenol-d6
Concen: 116.995 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion: 99 Resp: 315291

Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.7	34.1
71	41.4	30.6	46.0

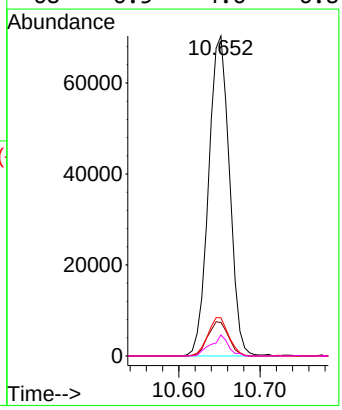


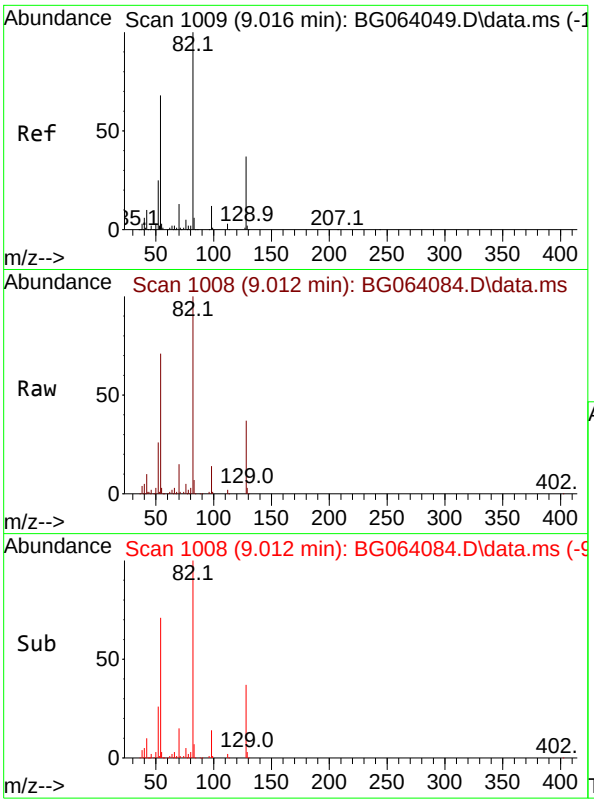


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:136 Resp: 125637

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	12.0	9.9	14.9
68	6.5	4.6	6.8



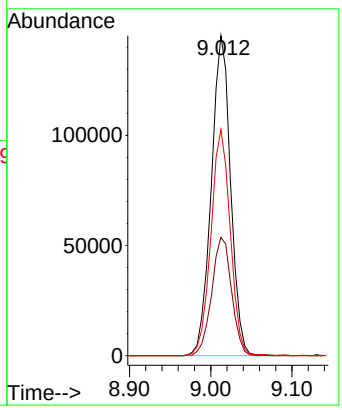


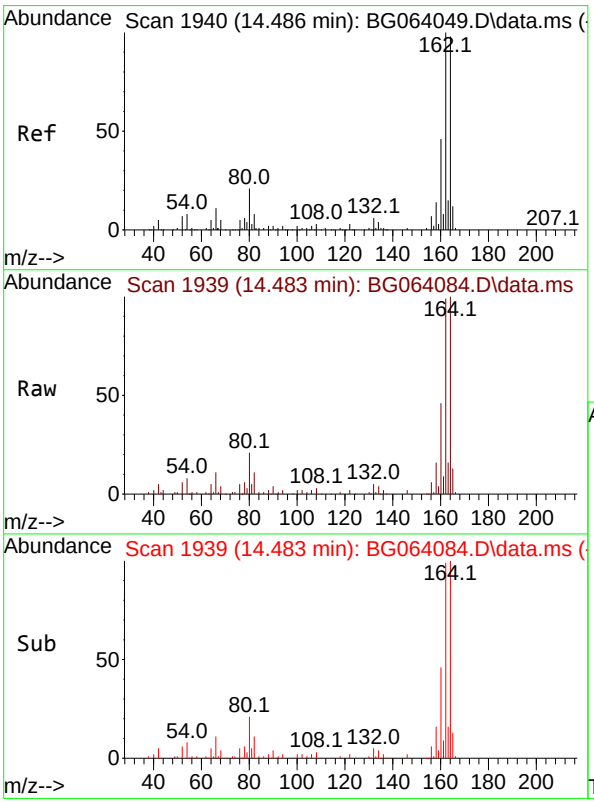
#23
Nitrobenzene-d5
Concen: 105.298 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion: 82 Resp: 239394

Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.0	45.0
54	70.6	54.7	82.1

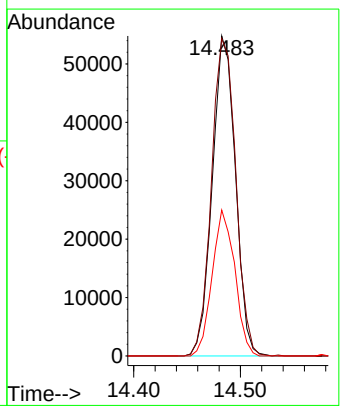


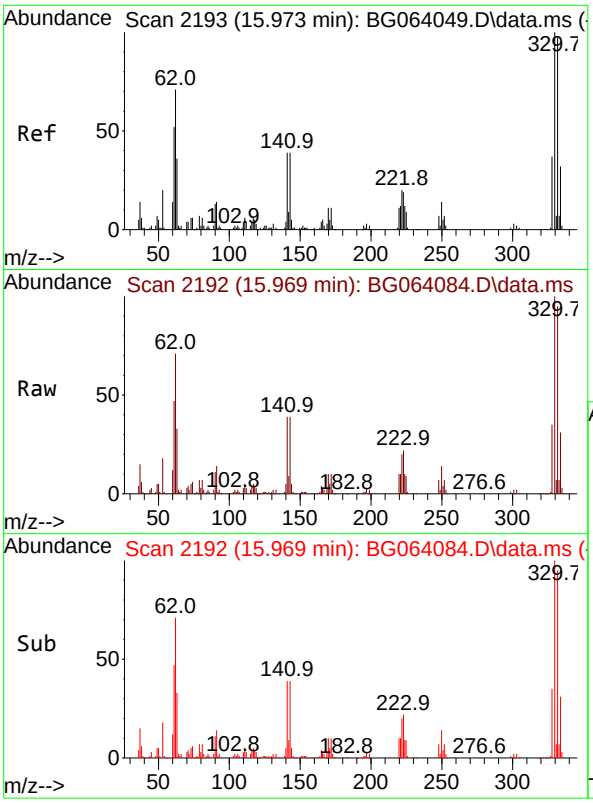


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:164 Resp: 82477

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.4	122.0
160	45.6	37.0	55.6



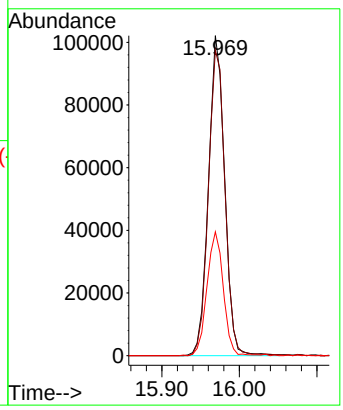


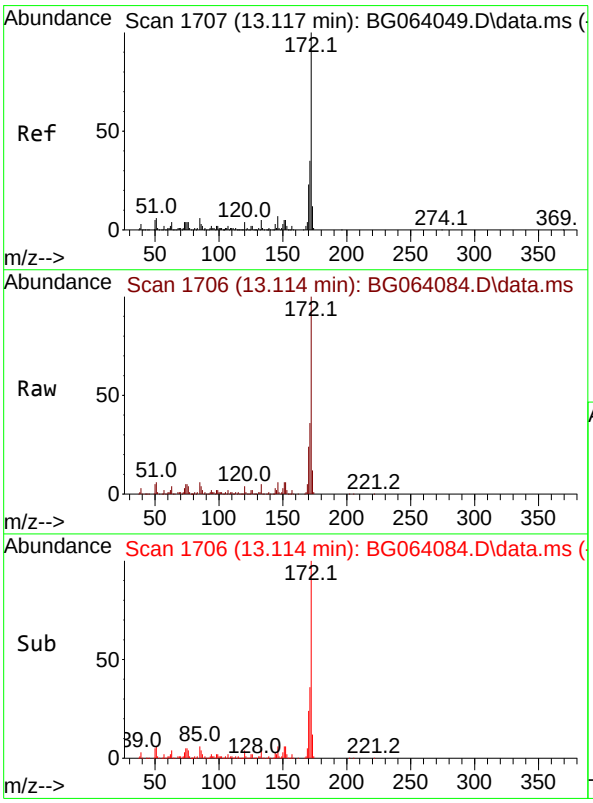
#42
2,4,6-Tribromophenol
Concen: 161.866 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:330 Resp: 148397

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	38.9	29.7	44.5

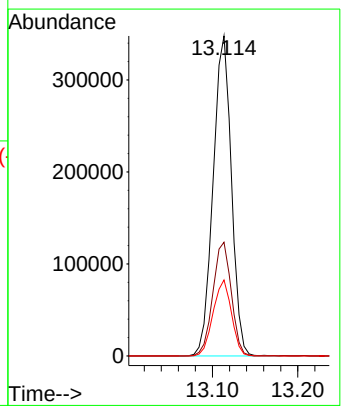


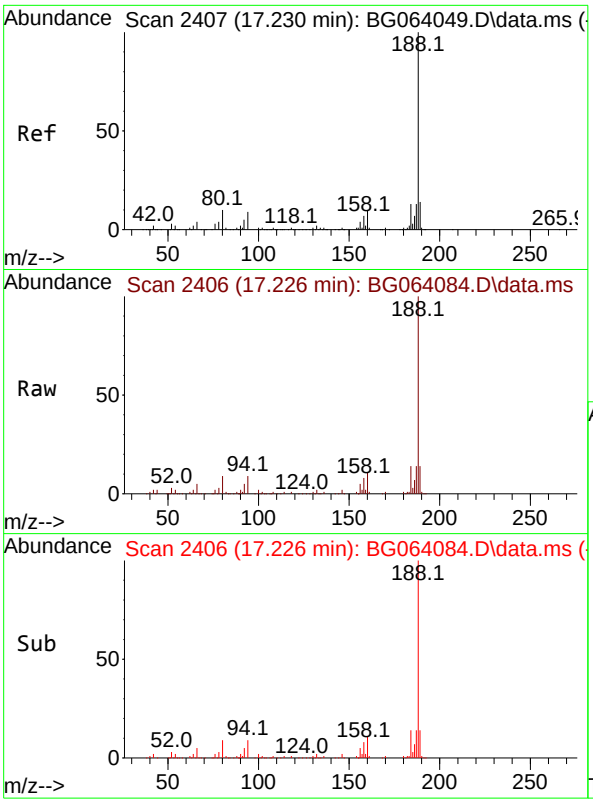


#45
2-Fluorobiphenyl
Concen: 95.271 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:172 Resp: 517675

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	23.7	18.7	28.1



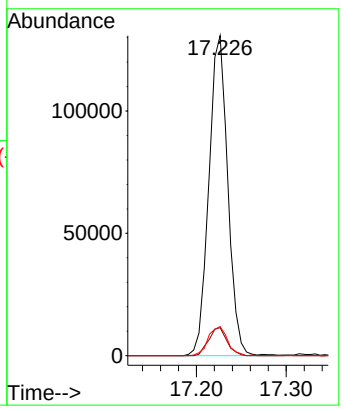


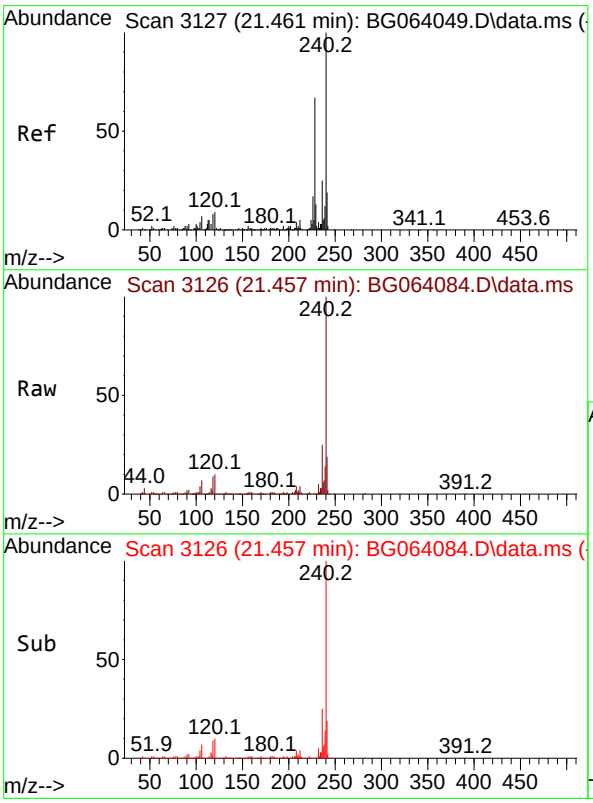
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:188 Resp: 191417

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	9.1	8.1	12.1

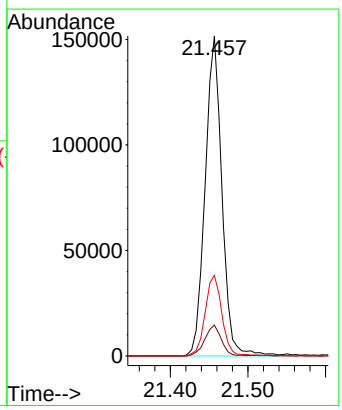


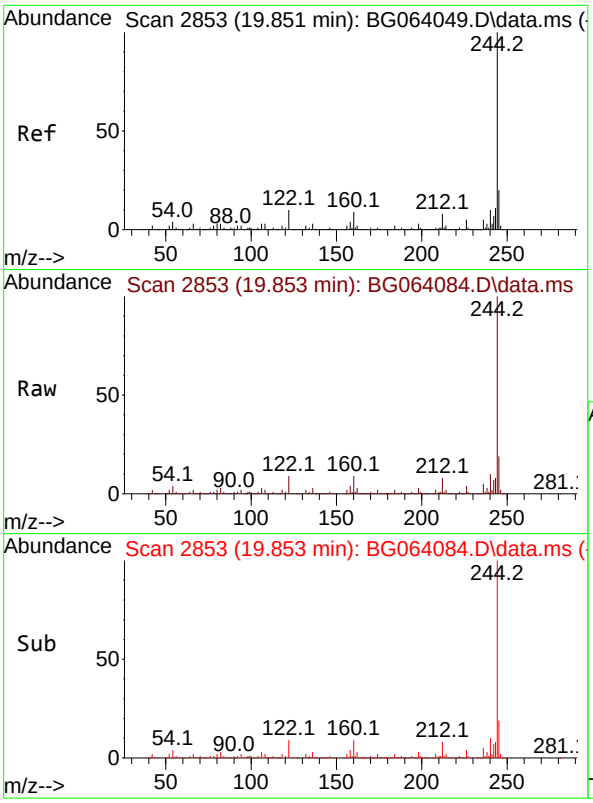


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:240 Resp: 227681

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	25.2	20.2	30.2



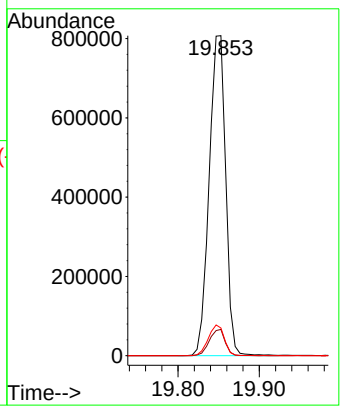


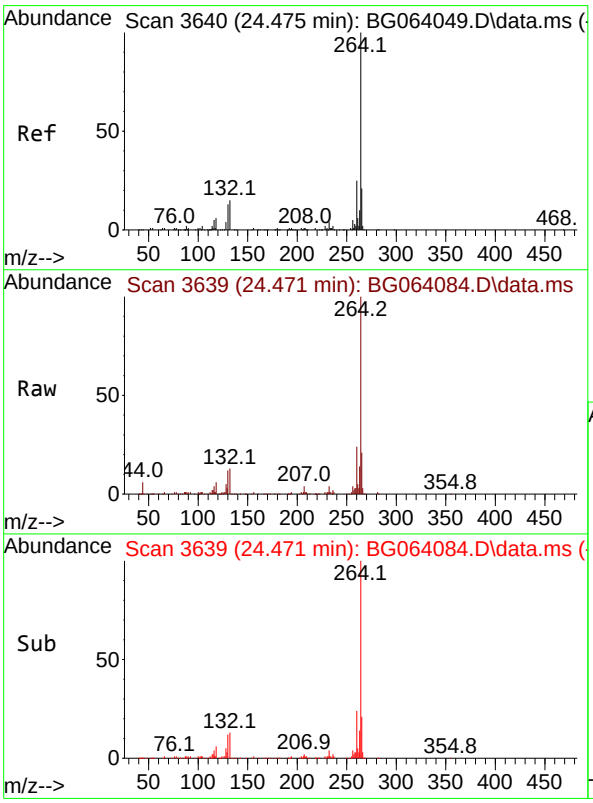
#79
Terphenyl-d14
Concen: 101.023 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Instrument :
BNA_G
ClientSampleId :
ENV-103-SB01

Tgt Ion:244 Resp: 1137545

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	8.6	8.0	12.0

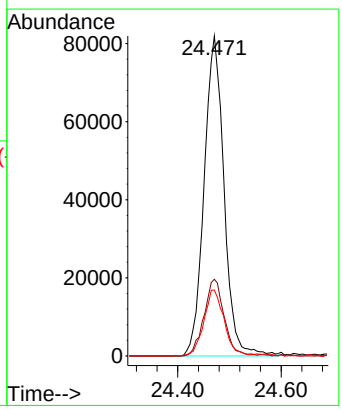




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064084.D
Acq: 10 Mar 2025 17:05

Tgt Ion:264 Resp: 219074

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	20.6	16.6	25.0



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

Instrument :
BNA_G
ClientSampleId :
PB167035BL

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

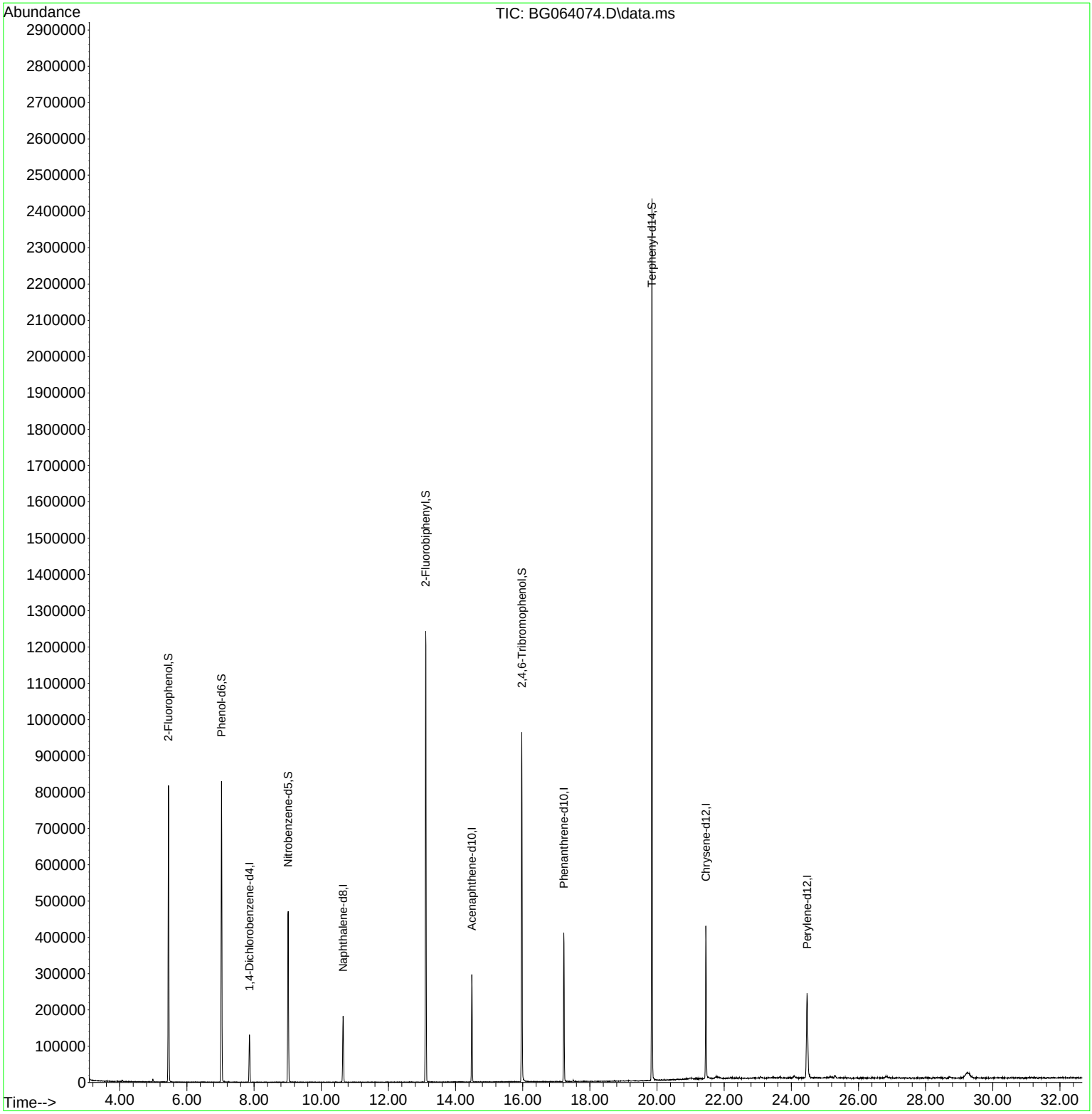
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	32741	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	140985	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	98023	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	230921	20.000	ng	0.00
76) Chrysene-d12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

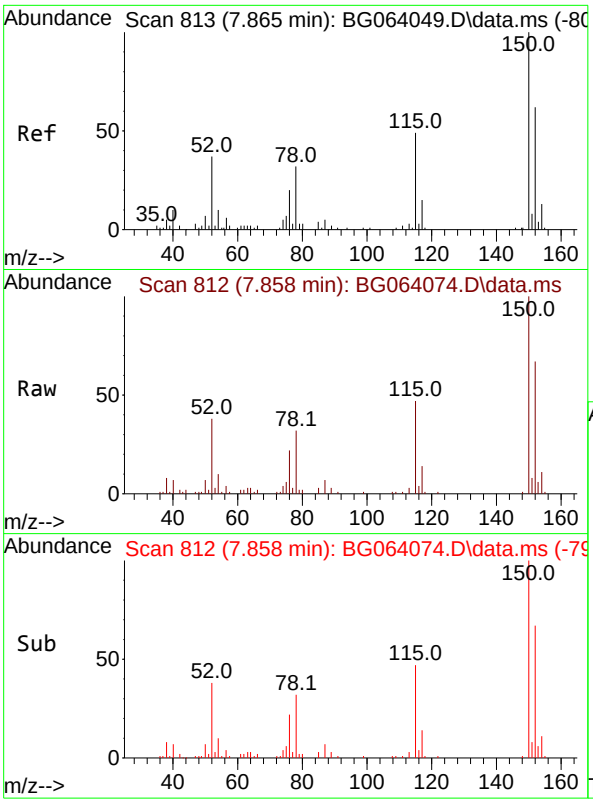
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_G
ClientSampleId :
PB167035BL

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



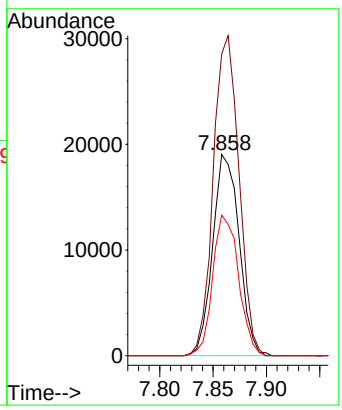


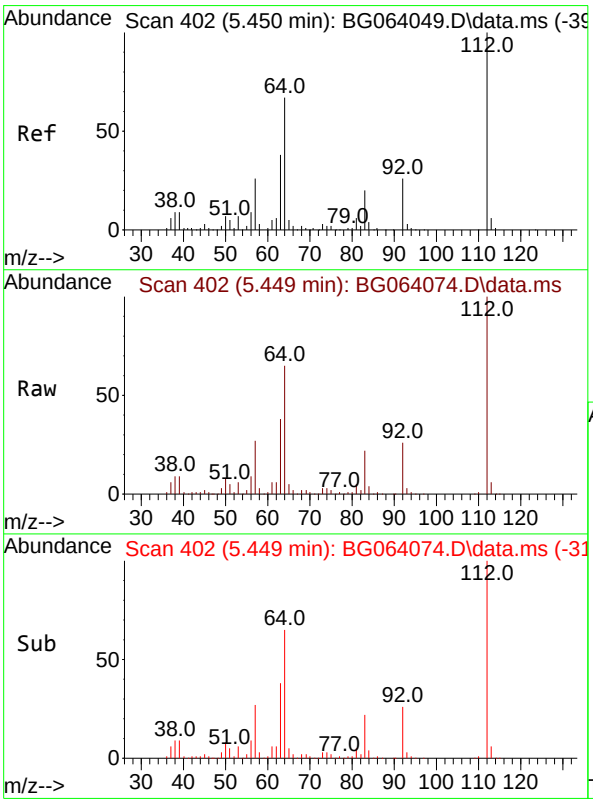
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 8
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:152 Resp: 32741

Ion	Ratio	Lower	Upper
152	100		
150	150.1	129.2	193.8
115	69.8	63.0	94.6

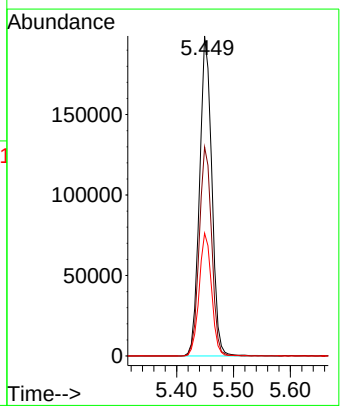


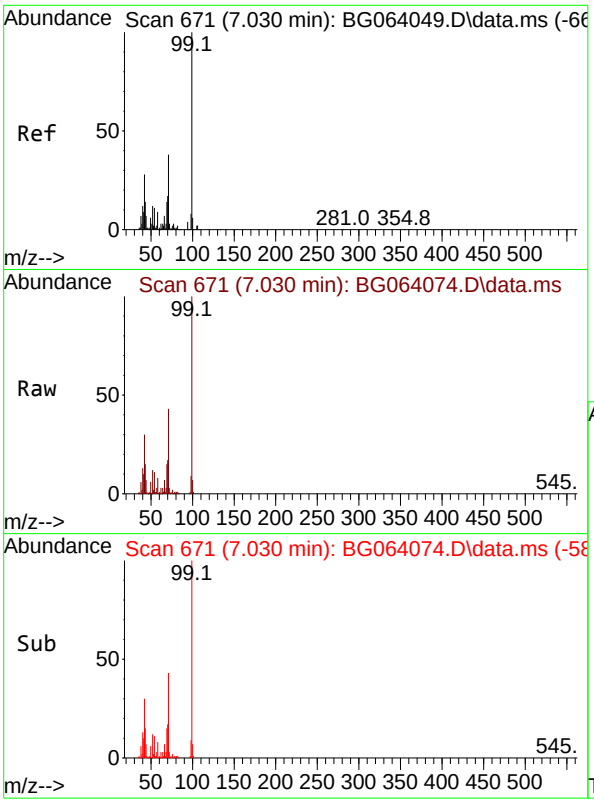


#5
2-Fluorophenol
Concen: 142.060 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:112 Resp: 297876

Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.7	80.5
63	38.3	30.2	45.4



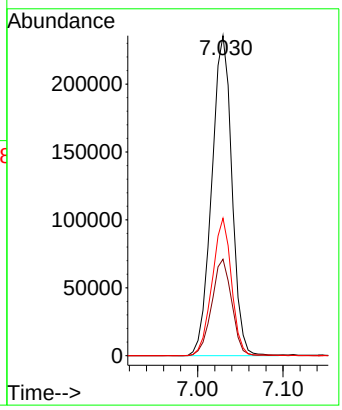


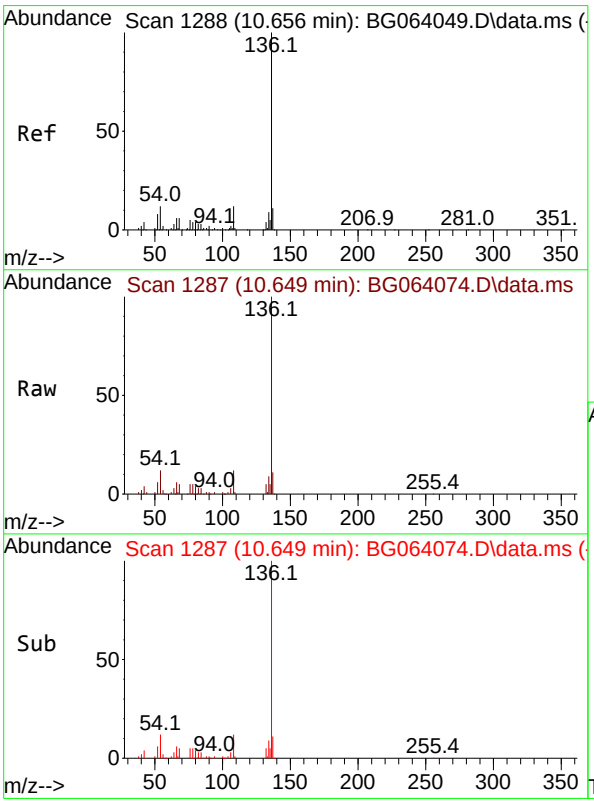
#7
Phenol-d6
Concen: 135.531 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 99 Resp: 386605

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.7	34.1
71	42.9	30.6	46.0

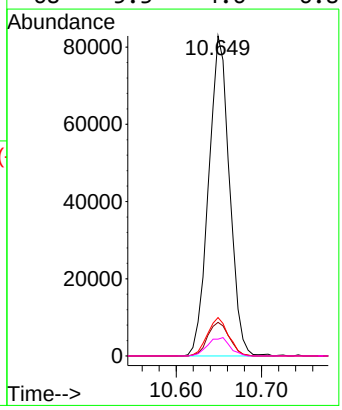


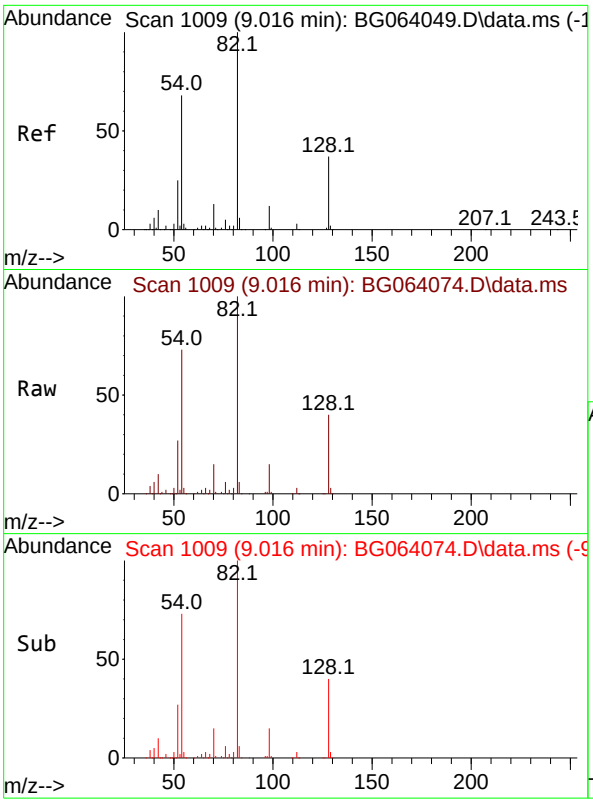


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:136 Resp: 140985

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



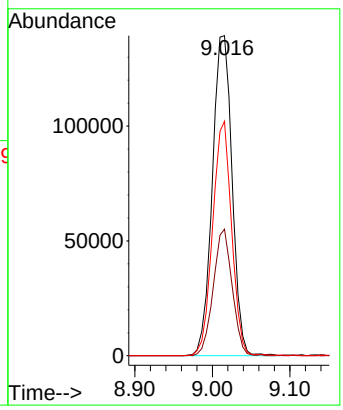


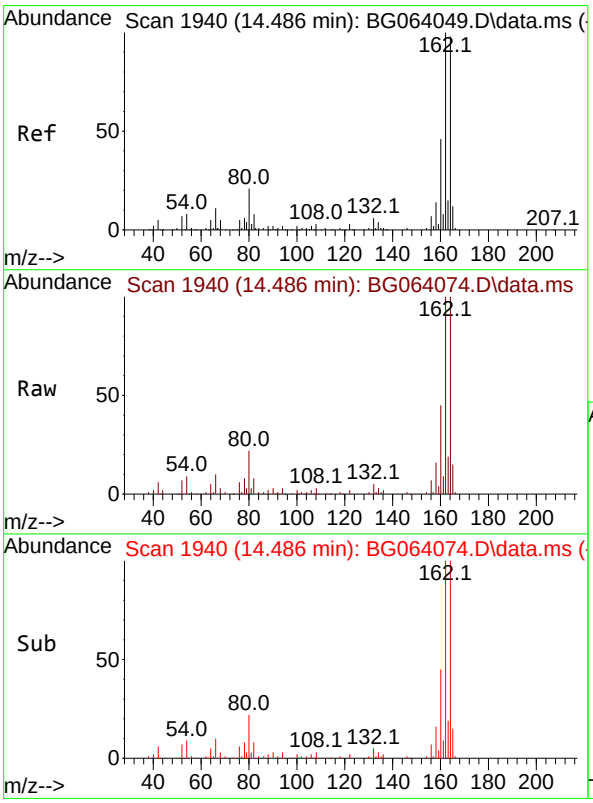
#23
Nitrobenzene-d5
Concen: 97.012 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 82 Resp: 247498

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

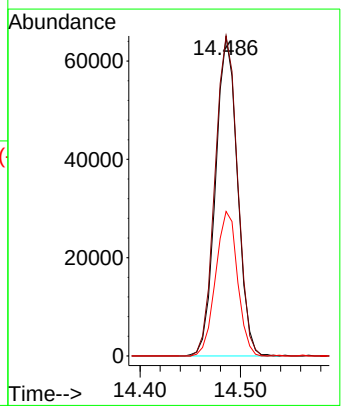


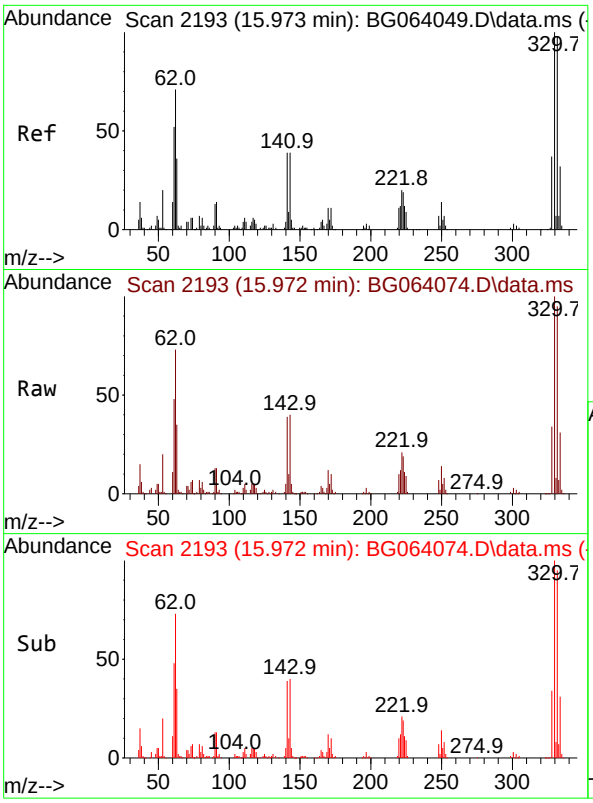


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:164 Resp: 98023

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



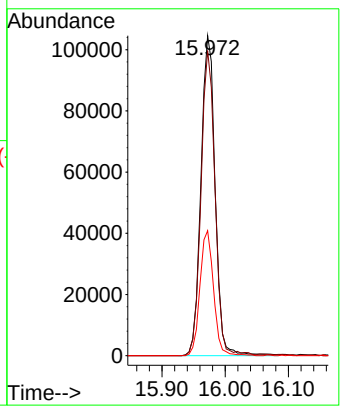


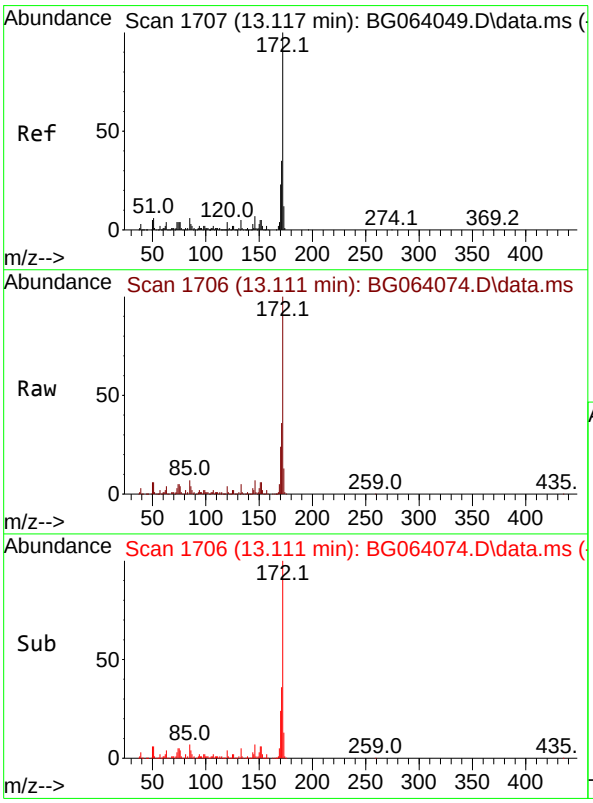
#42
2,4,6-Tribromophenol
Concen: 149.780 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:330 Resp: 163199

Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.7	115.1
141	37.4	29.7	44.5

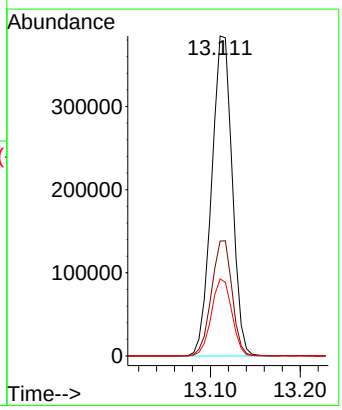


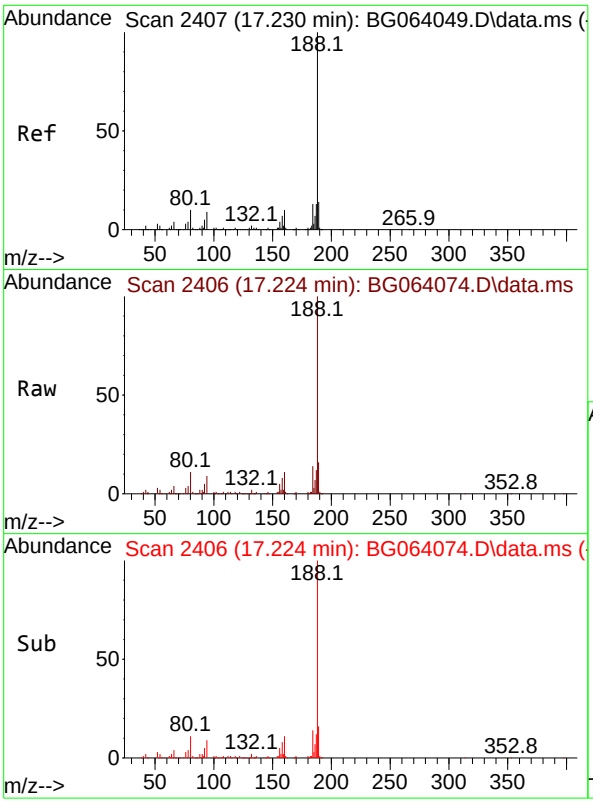


#45
2-Fluorobiphenyl
Concen: 94.673 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:172 Resp: 611388

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	24.1	18.7	28.1



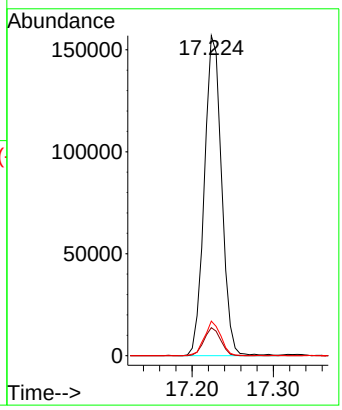


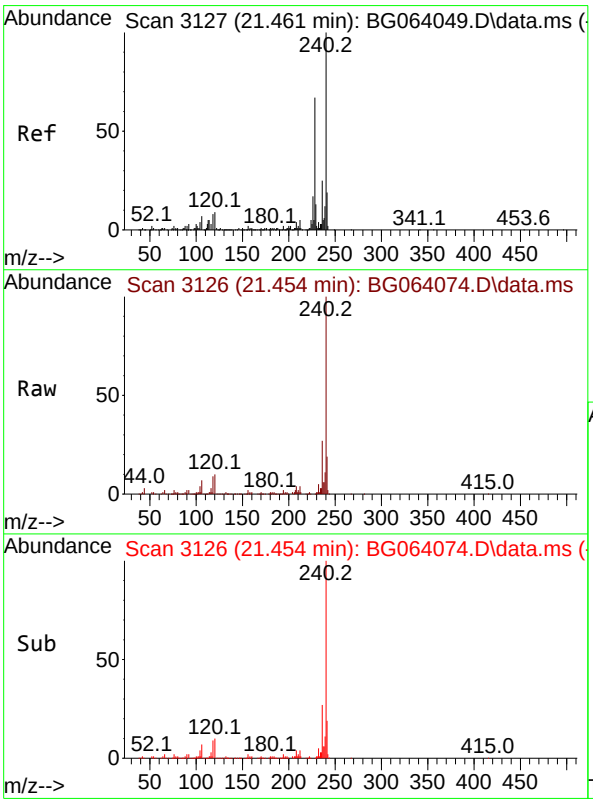
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:188 Resp: 230921

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.8	8.1	12.1

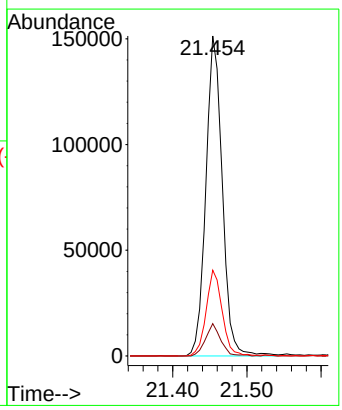


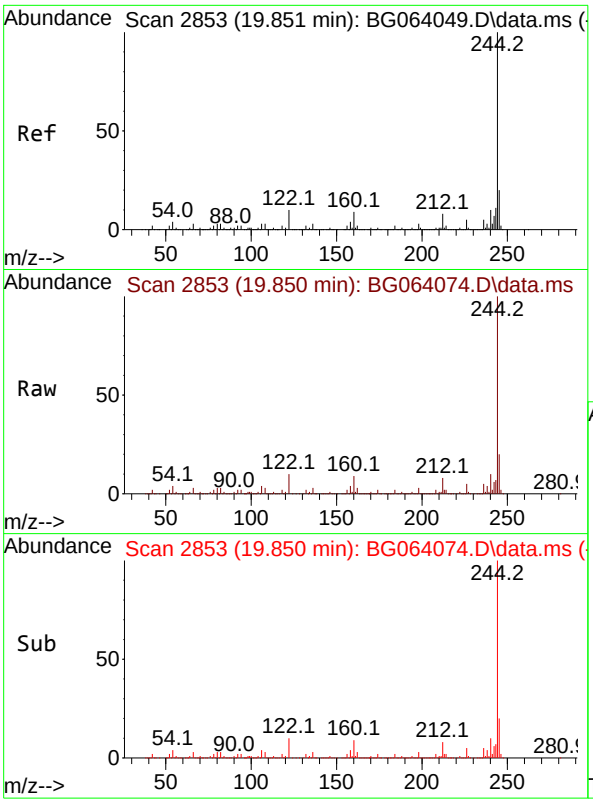


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:240 Resp: 233034

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	26.8	20.2	30.2



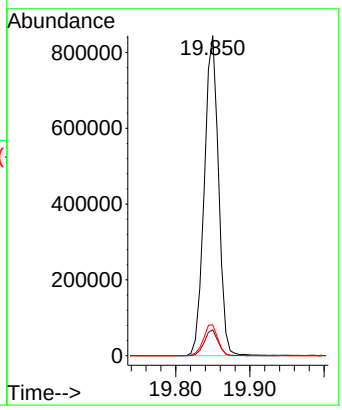


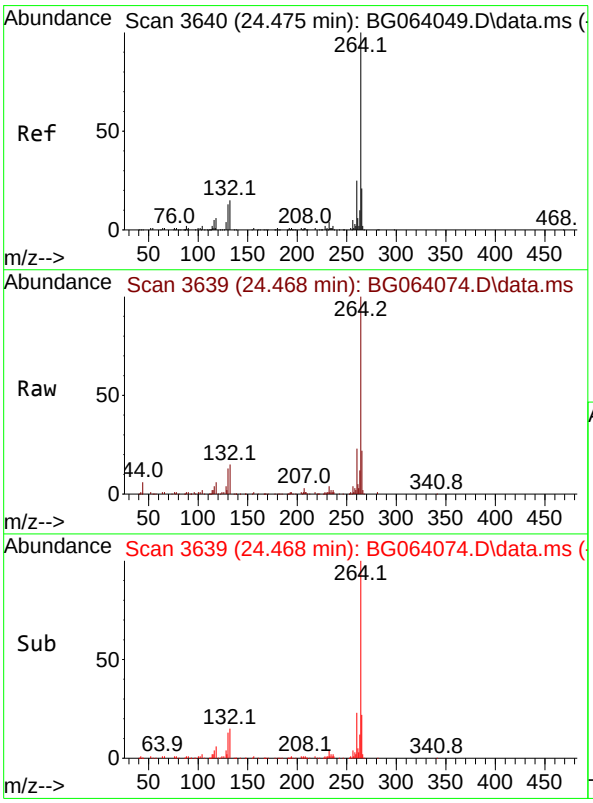
#79
Terphenyl-d14
Concen: 97.735 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:244 Resp: 1126387

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.7	8.0	12.0

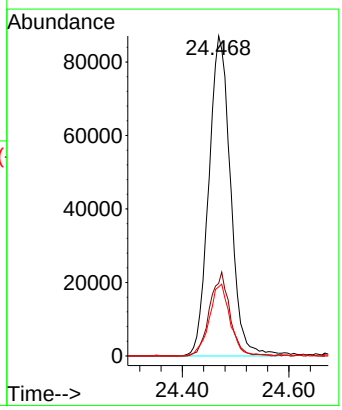




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:264 Resp: 246222

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.6	16.6	25.0



Quantitation Report (QT Reviewed)

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

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

Instrument :
BNA_G
ClientSampleId :
PB167035BS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.862	152	35194	20.000	ng		# 0.00
21) Naphthalene-d8	10.647	136	154810	20.000	ng		0.00
39) Acenaphthene-d10	14.484	164	106817	20.000	ng		0.00
64) Phenanthrene-d10	17.228	188	235208	20.000	ng		0.00
76) Chrysene-d12	21.458	240	237204	20.000	ng		0.00
86) Perylene-d12	24.472	264	255311	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.453	112	312176	138.503	ng		0.00
7) Phenol-d6	7.034	99	419514	136.817	ng		0.00
23) Nitrobenzene-d5	9.014	82	271257	96.830	ng		0.00
42) 2,4,6-Tribromophenol	15.976	330	182401	153.621	ng		0.00
45) 2-Fluorobiphenyl	13.115	172	652866	92.773	ng		0.00
79) Terphenyl-d14	19.848	244	1140903	97.254	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.367	88	39346	38.518	ng		94
3) Pyridine	3.749	79	97422	39.216	ng		98
4) n-Nitrosodimethylamine	3.667	42	84337	47.515	ng	#	96
6) Aniline	7.192	93	112017	37.230	ng		98
8) 2-Chlorophenol	7.427	128	107800	44.532	ng		98
9) Benzaldehyde	6.998	77	38322m	21.489	ng		
10) Phenol	7.057	94	140681	44.812	ng		95
11) bis(2-Chloroethyl)ether	7.286	93	99871	40.578	ng		100
12) 1,3-Dichlorobenzene	7.756	146	108395	40.776	ng		97
13) 1,4-Dichlorobenzene	7.897	146	112149	41.159	ng		99
14) 1,2-Dichlorobenzene	8.215	146	108249	41.200	ng		97
15) Benzyl Alcohol	8.097	79	106765	45.059	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.385	45	230210m	41.598	ng		
17) 2-Methylphenol	8.303	107	94962	45.577	ng		97
18) Hexachloroethane	8.943	117	42241	44.309	ng		98
19) n-Nitroso-di-n-propyla...	8.667	70	88518	41.135	ng		96
20) 3+4-Methylphenols	8.626	107	132073	46.044	ng		91
22) Acetophenone	8.679	105	192747	45.410	ng	#	99
24) Nitrobenzene	9.055	77	129434	44.708	ng		96
25) Isophorone	9.578	82	242957	43.330	ng		96
26) 2-Nitrophenol	9.766	139	45482	45.930	ng		95
27) 2,4-Dimethylphenol	9.825	122	98186	58.412	ng		93
28) bis(2-Chloroethoxy)met...	10.065	93	141763	41.702	ng		98
29) 2,4-Dichlorophenol	10.295	162	100351	47.279	ng		97
30) 1,2,4-Trichlorobenzene	10.518	180	107016	41.766	ng		98
31) Naphthalene	10.700	128	346205	41.473	ng		99
32) Benzoic acid	9.971	122	68746m	45.164	ng		
33) 4-Chloroaniline	10.806	127	59743	19.581	ng		97
34) Hexachlorobutadiene	10.994	225	72884	43.397	ng		97
35) Caprolactam	11.570	113	41781m	51.367	ng		
36) 4-Chloro-3-methylphenol	11.928	107	124775	44.847	ng		99
37) 2-Methylnaphthalene	12.310	142	244676	41.518	ng		97
38) 1-Methylnaphthalene	12.527	142	241268	41.788	ng		98
40) 1,2,4,5-Tetrachloroben...	12.680	216	142467	46.717	ng	#	96
41) Hexachlorocyclopentadiene	12.662	237	161060	187.650	ng		99
43) 2,4,6-Trichlorophenol	12.915	196	90250	50.214	ng		93

Quantitation Report (QT Reviewed)

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

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

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED

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

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

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

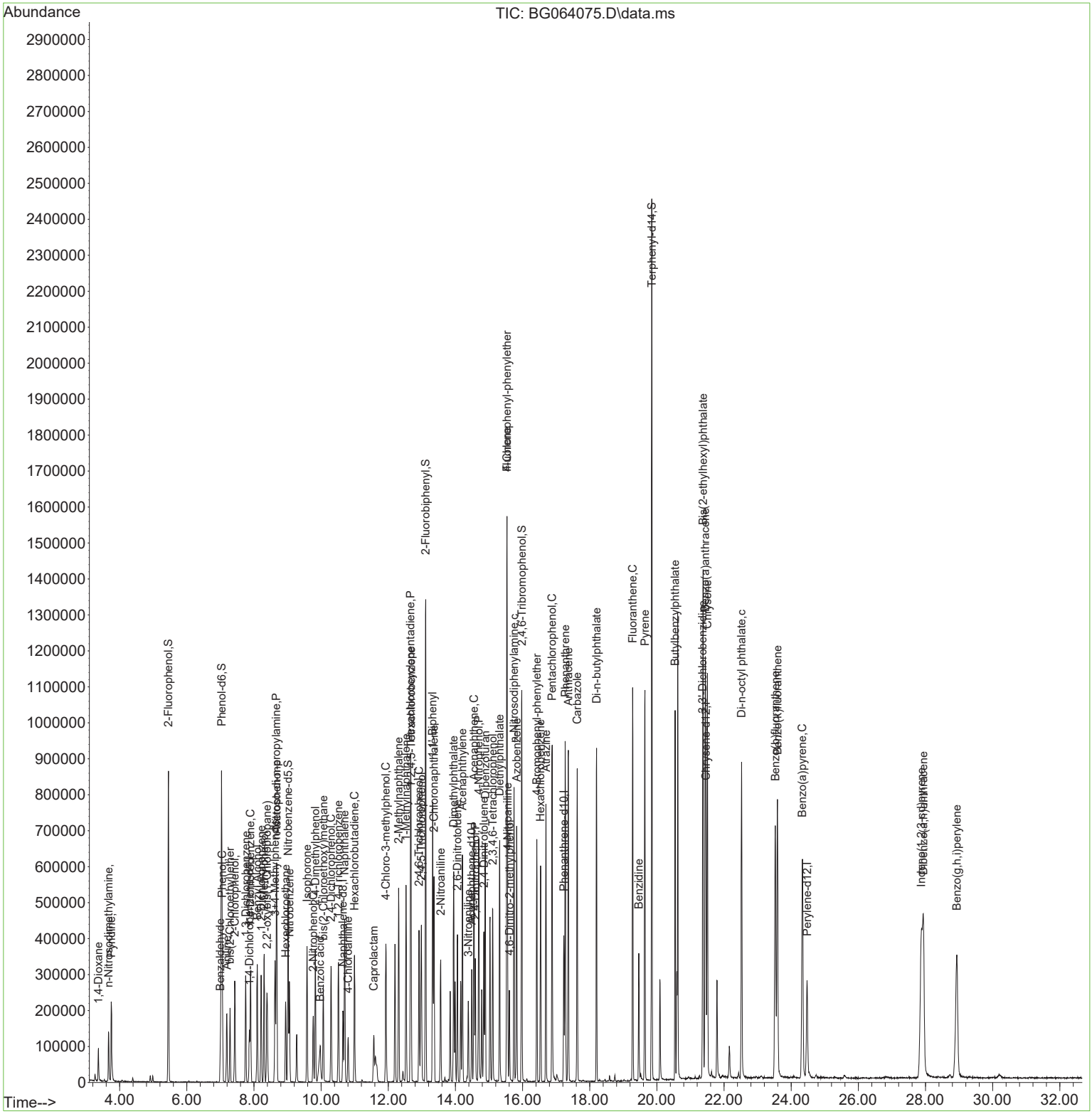
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED

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



Sample Results: **BF141893.D**

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

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146872	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	566046	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	296352	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	482424	20.000	ng	0.00
76) Chrysene-d12	14.045	240	376304	20.000	ng	0.00
86) Perylene-d12	15.515	264	373298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1085782	118.061	ng	0.02
7) Phenol-d6	6.510	99	1289939	107.760	ng	0.00
23) Nitrobenzene-d5	7.445	82	976810	110.305	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	507581	182.438	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1887954	102.150	ng	0.00
79) Terphenyl-d14	12.986	244	1932793	83.100	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	134944	32.337	ng	# 79
3) Pyridine	3.534	79	304229	29.301	ng	94
4) n-Nitrosodimethylamine	3.463	42	167627	33.553	ng	# 95
6) Aniline	6.551	93	271425	21.810	ng	98
8) 2-Chlorophenol	6.669	128	392071	39.409	ng	95
9) Benzaldehyde	6.440	77	82387	11.832	ng	97
10) Phenol	6.522	94	421103	32.921	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	347294	35.618	ng	95
12) 1,3-Dichlorobenzene	6.828	146	403448	37.867	ng	98
13) 1,4-Dichlorobenzene	6.904	146	413101	38.481	ng	99
14) 1,2-Dichlorobenzene	7.057	146	404172	40.318	ng	98
15) Benzyl Alcohol	7.022	79	376371	39.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	445763	30.103	ng	94
17) 2-Methylphenol	7.134	107	327586	39.891	ng	99
18) Hexachloroethane	7.398	117	149748	37.269	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	284179	36.114	ng	98
20) 3+4-Methylphenols	7.281	107	417320	40.811	ng	97
22) Acetophenone	7.292	105	635484	46.096	ng	97
24) Nitrobenzene	7.469	77	425775	44.899	ng	96
25) Isophorone	7.704	82	779771	40.987	ng	98
26) 2-Nitrophenol	7.781	139	202530	47.827	ng	97
27) 2,4-Dimethylphenol	7.810	122	347141	49.638	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	457528	37.700	ng	99
29) 2,4-Dichlorophenol	8.016	162	345967	42.882	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	365988	41.399	ng	99
31) Naphthalene	8.187	128	1141283	39.230	ng	99
32) Benzoic acid	7.910	122	245541	43.017	ng	99
33) 4-Chloroaniline	8.234	127	117535	11.018	ng	98
34) Hexachlorobutadiene	8.304	225	232432	42.309	ng	99
35) Caprolactam	8.592	113	107829m	43.446	ng	
36) 4-Chloro-3-methylphenol	8.710	107	387917	43.283	ng	99
37) 2-Methylnaphthalene	8.875	142	769169	40.308	ng	99
38) 1-Methylnaphthalene	8.975	142	735586	40.174	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	417293	48.755	ng	100
41) Hexachlorocyclopentadiene	9.028	237	385277	107.863	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	260598	47.135	ng	99

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

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

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

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

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

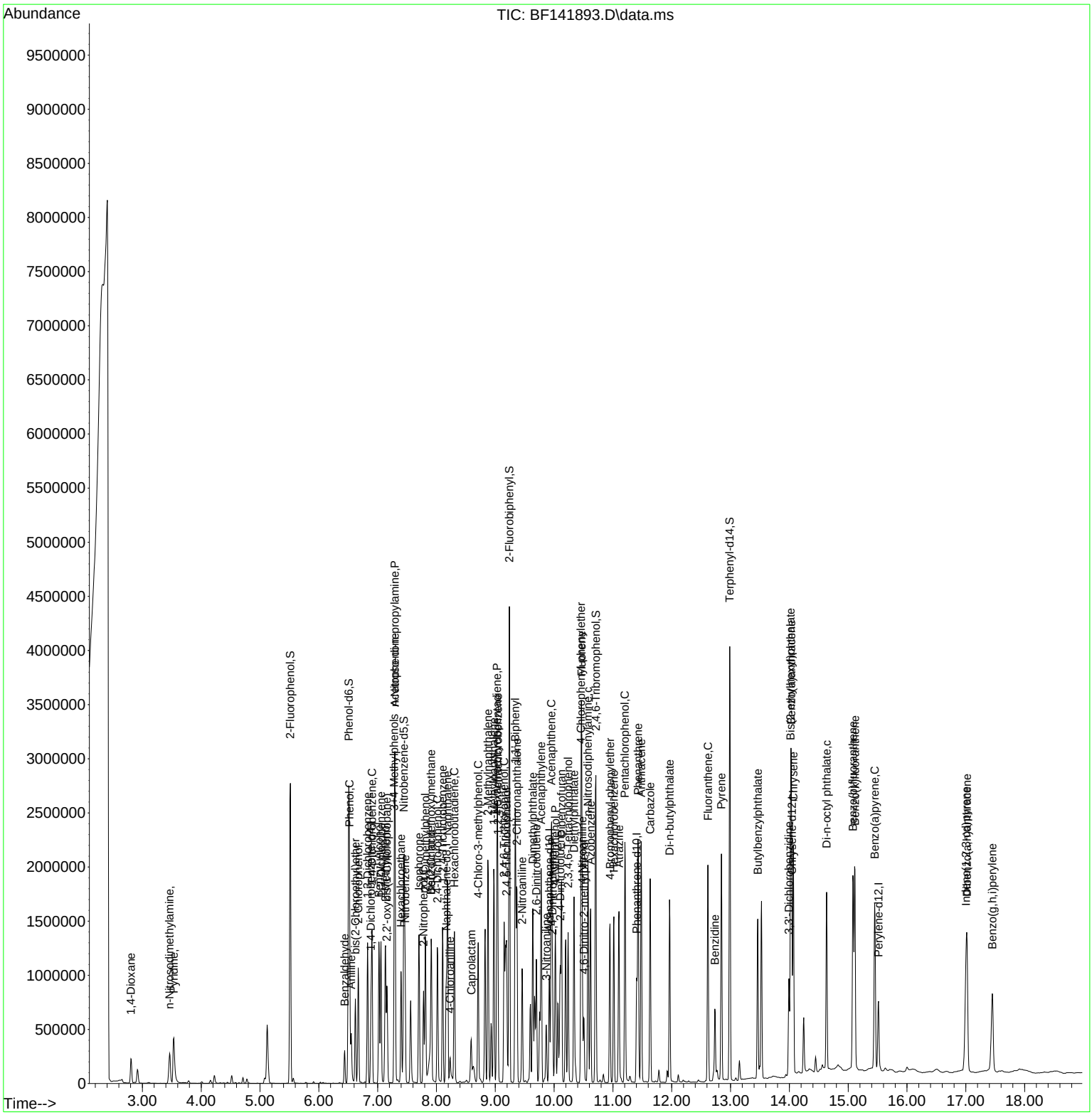
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

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

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	134345	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	510741	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	263683	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	403770	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	354164	20.000	ng	-0.01
86) Perylene-d12	15.515	264	380393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1028686	122.282	ng	0.02
7) Phenol-d6	6.510	99	1205472	110.094	ng	0.00
23) Nitrobenzene-d5	7.445	82	896395	112.185	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	432585	174.746	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1677614	102.015	ng	0.00
79) Terphenyl-d14	12.986	244	1673540	76.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	130927	34.300	ng	# 81
3) Pyridine	3.528	79	291474	30.690	ng	94
4) n-Nitrosodimethylamine	3.463	42	160531	35.129	ng	# 96
6) Aniline	6.551	93	254074	22.320	ng	100
8) 2-Chlorophenol	6.669	128	371175	40.787	ng	95
9) Benzaldehyde	6.439	77	75536	11.860	ng	97
10) Phenol	6.522	94	392161	33.517	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	324729	36.409	ng	95
12) 1,3-Dichlorobenzene	6.828	146	367281	37.687	ng	99
13) 1,4-Dichlorobenzene	6.904	146	370754	37.756	ng	100
14) 1,2-Dichlorobenzene	7.057	146	360428	39.307	ng	99
15) Benzyl Alcohol	7.022	79	333525	38.114	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	387872	28.636	ng	94
17) 2-Methylphenol	7.134	107	290487	38.672	ng	98
18) Hexachloroethane	7.398	117	137227	37.337	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	252681	35.105	ng	98
20) 3+4-Methylphenols	7.281	107	376329	40.234	ng	96
22) Acetophenone	7.292	105	563087	45.267	ng	98
24) Nitrobenzene	7.463	77	387430	45.279	ng	99
25) Isophorone	7.704	82	691206	40.266	ng	97
26) 2-Nitrophenol	7.781	139	186144	48.633	ng	97
27) 2,4-Dimethylphenol	7.810	122	315518	50.002	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	414927	37.892	ng	99
29) 2,4-Dichlorophenol	8.016	162	316269	43.446	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	327544	41.062	ng	99
31) Naphthalene	8.186	128	1053250	40.124	ng	99
32) Benzoic acid	7.910	122	208873	40.996	ng	98
33) 4-Chloroaniline	8.233	127	110589	11.490	ng	97
34) Hexachlorobutadiene	8.304	225	209578	42.280	ng	99
35) Caprolactam	8.592	113	92720m	41.403	ng	
36) 4-Chloro-3-methylphenol	8.710	107	342009	42.293	ng	99
37) 2-Methylnaphthalene	8.875	142	668844	38.846	ng	99
38) 1-Methylnaphthalene	8.975	142	659348	39.910	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384500	50.489	ng	99
41) Hexachlorocyclopentadiene	9.033	237	354394	111.510	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	229240	46.600	ng	99

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

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

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

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

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

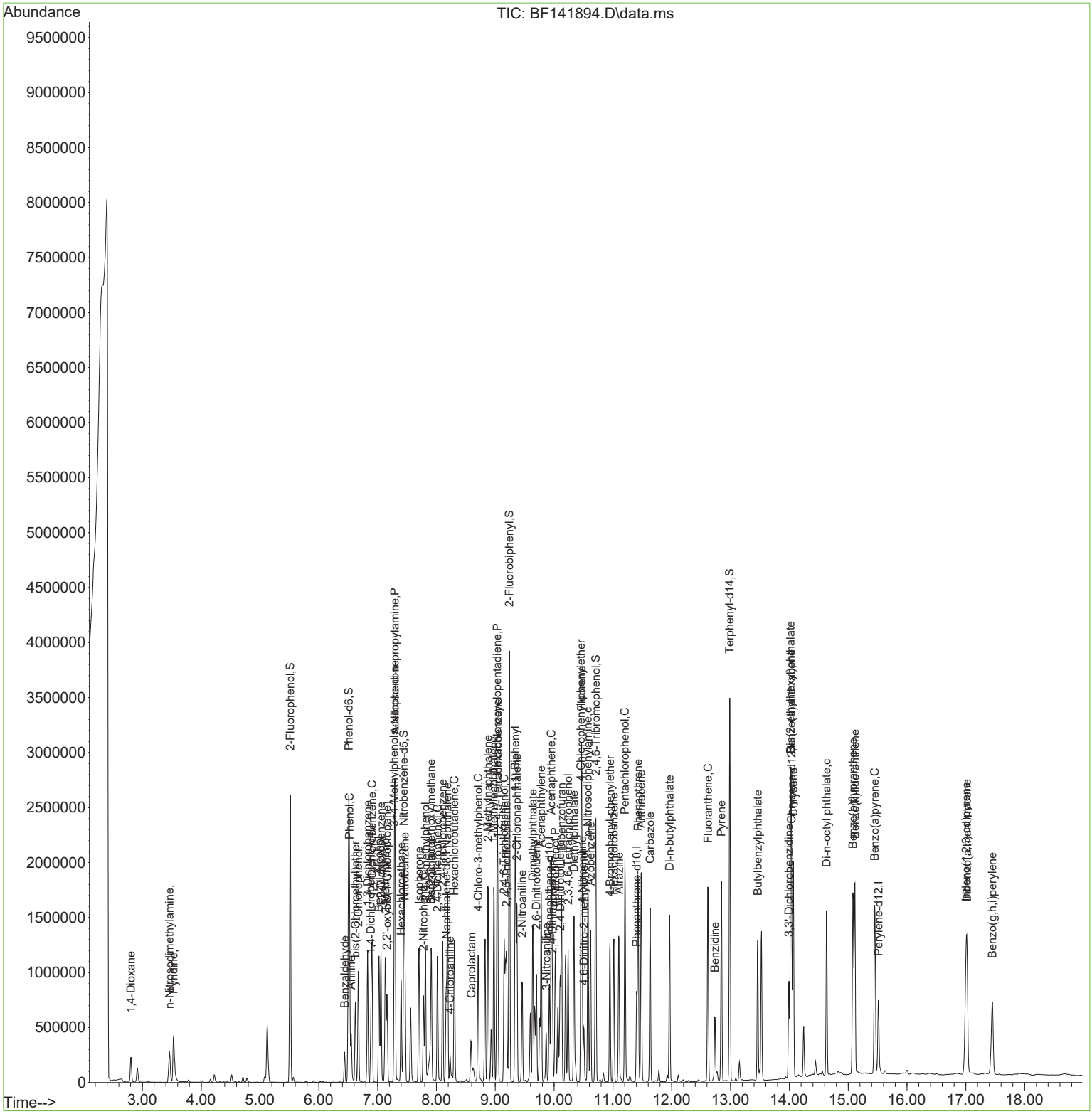
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f

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

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Manual Integration Report

Sequence:	BF030725	Instrument	BNA_f

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

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

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

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg031025	Instrument	BNA_g

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

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM				
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM				
SubDirectory	BF022725	HP Acquire Method	BNA_F		HP Processing Method	bf022725	

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

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

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

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

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

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

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

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

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

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

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-022825	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-022825	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-022825	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

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

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

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

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

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

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

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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 : 03/06/2025 **Time :** 17:00

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

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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

Extraction Conformance/Non-Conformance Comments:

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JP / RJ
	Preparation Group	Analysis Group / ready

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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

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

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167020

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

Thermometer ID : FLASHPOINT

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

WORKLIST(Hardcopy Internal Chain)

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

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

Date/Time 03106125 16:10
Raw Sample Received by: SB (WC)
Raw Sample Relinquished by: CP SM

Date/Time 03106125 18:00
Raw Sample Received by: CP SM
Raw Sample Relinquished by: SB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167035

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/07/2025

Extraction Start Time : 12:45

Extraction End Date : 03/07/2025

Extraction End Time : 17:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] 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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaoH	N/A	EP2559
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

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

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167035

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

Concentration Date: 03/07/2025

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

RS
3/7

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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

03/07/25

12:30

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

LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	