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Cover Page

Order ID : P5279

Project ID : MTA Rockaway Park

Client : Tully Construction Co., Inc.

Lab Sample Number	Client Sample Number
P5279-01	ROCKAWAY-PARK
P5279-02	ROCKAWAY-PARK
P5279-03	ROCKAWAY-PARK

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

Signature : _____

Date: 12/21/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5279**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **KETAN PATEL** **Date:** **12/21/2024**

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LAB CHRONICLE

OrderID:	P5279	**OrderDate:**	12/13/2024 12:03:00 PM
Client:	Tully Construction Co., Inc.	**Project:**	MTA Rockaway Park
Contact:	Dean Devoe	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5279-01	**ROCKAWAY-PARK**	**SOIL**			**12/13/24**			**12/13/24**
			SVOC-PAH	8270E		12/16/24	12/17/24	

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Hit Summary Sheet
SW-846

SDG No.: P5279

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ROCKAWAY-PARK**							
P5279-01	ROCKAWAY-PARK	SOIL	Naphthalene	0.120	J	0.088	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Acenaphthylene	0.220		0.092	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Acenaphthene	0.130	J	0.087	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Phenanthrene	0.750		0.090	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Anthracene	0.160	J	0.090	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Fluoranthene	1.000		0.087	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Pyrene	1.000		0.089	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Benzo(a)anthracene	0.700		0.086	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Chrysene	0.550		0.085	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Benzo(b)fluoranthene	0.680		0.087	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Benzo(k)fluoranthene	0.310		0.088	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Benzo(a)pyrene	0.640		0.099	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Indeno(1,2,3-cd)pyrene	0.340	Q	0.083	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Dibenzo(a,h)anthracene	0.110	J	0.087	0.18	mg/Kg
P5279-01	ROCKAWAY-PARK	SOIL	Benzo(g,h,i)perylene	0.380		0.086	0.18	mg/Kg
			Total Svoc :	**7.09**				
			Total Concentration:	**7.09**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P5279

Client: Tully Construction Co., Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5277-01MS	COMP-1AMS	Nitrobenzene-d5	100	67.1	67		18	107
		2-Fluorobiphenyl	100	77.1	77		20	109
		Terphenyl-d14	100	74.2	74		10	105
P5277-01MSD	COMP-1AMSD	Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	65.1	65		20	109
		Terphenyl-d14	100	71.5	72		10	105
P5279-01	ROCKAWAY-PARK	Nitrobenzene-d5	100	48.4	48		18	107
		2-Fluorobiphenyl	100	49.4	49		20	109
		Terphenyl-d14	100	40.6	41		10	105
PB165648BL	PB165648BL	Nitrobenzene-d5	100	89.1	89		18	107
		2-Fluorobiphenyl	100	84.2	84		20	109
		Terphenyl-d14	100	77.8	78		10	105
PB165648BS	PB165648BS	Nitrobenzene-d5	100	89.6	90		18	107
		2-Fluorobiphenyl	100	82.9	83		20	109
		Terphenyl-d14	100	88.7	89		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5279

Client: Tully Construction Co., Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5277-01MS		**Client Sample ID: COMP-1AMS**						**DataFile: BF140909.D**			
Naphthalene	1900	0	1800	ug/Kg	95				72	110	
Acenaphthylene	1900	0	1900	ug/Kg	100				79	118	
Acenaphthene	1900	0	1900	ug/Kg	100				70	121	
Fluorene	1900	0	1800	ug/Kg	95				68	116	
Phenanthrene	1900	0	1900	ug/Kg	100				52	128	
Anthracene	1900	0	2000	ug/Kg	105				62	124	
Fluoranthene	1900	0	1800	ug/Kg	95				44	125	
Pyrene	1900	0	2100	ug/Kg	111				26	142	
Benzo(a)anthracene	1900	0	1800	ug/Kg	95				71	114	
Chrysene	1900	0	1900	ug/Kg	100				57	121	
Benzo(b)fluoranthene	1900	0	1800	ug/Kg	95				67	121	
Benzo(k)fluoranthene	1900	0	1700	ug/Kg	89				57	134	
Benzo(a)pyrene	1900	0	2000	ug/Kg	105				70	142	
Indeno(1,2,3-cd)pyrene	1900	0	2000	ug/Kg	105				40	129	
Dibenz(a,h)anthracene	1900	0	2000	ug/Kg	105				43	123	
Benzo(g,h,i)perylene	1900	0	1800	ug/Kg	95				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5279

Client: Tully Construction Co., Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5277-01MSD		**Client Sample ID:** COMP-1AMSD						**DataFile:**	BF140910.D		
Naphthalene	1900	0	1700	ug/Kg	89		7		72	110	20
Acenaphthylene	1900	0	1900	ug/Kg	100		0		79	118	20
Acenaphthene	1900	0	1800	ug/Kg	95		5		70	121	20
Fluorene	1900	0	1800	ug/Kg	95		0		68	116	20
Phenanthrene	1900	0	1900	ug/Kg	100		0		52	128	20
Anthracene	1900	0	2000	ug/Kg	105		0		62	124	20
Fluoranthene	1900	0	1700	ug/Kg	89		7		44	125	20
Pyrene	1900	0	2000	ug/Kg	105		6		26	142	20
Benzo(a)anthracene	1900	0	1900	ug/Kg	100		5		71	114	20
Chrysene	1900	0	1700	ug/Kg	89		12		57	121	20
Benzo(b)fluoranthene	1900	0	2000	ug/Kg	105		10		67	121	20
Benzo(k)fluoranthene	1900	0	2100	ug/Kg	111		22	*	57	134	20
Benzo(a)pyrene	1900	0	1900	ug/Kg	100		5		70	142	20
Indeno(1,2,3-cd)pyrene	1900	0	2100	ug/Kg	111		6		40	129	20
Dibenz(a,h)anthracene	1900	0	2100	ug/Kg	111		6		43	123	20
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84		12		24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5279

Client: Tully Construction Co., Inc.

Analytical Method: 8270E **DataFile:** BF140898.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165648BS	Naphthalene	1700	1500	ug/Kg	88				62	100	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165648BL

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG NO.: P5279

Lab File ID: BF140897.D Lab Sample ID: PB165648BL

Instrument ID: BNA_F Date Extracted: 12/16/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/18/2024

Level: (low/med) LOW Time Analyzed: 11:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165648BS	PB165648BS	BF140898.D	12/18/2024
COMP-1AMSD	P5277-01MSD	BF140910.D	12/18/2024
ROCKAWAY-PARK	P5279-01	BF140890.D	12/17/2024
COMP-1AMS	P5277-01MS	BF140909.D	12/18/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM SAS No.: P5279 SDG NO.: P5279

Lab File ID: BF140854.D DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.5
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	28.9
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.9 (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	BF140855.D	12/16/2024	12:13
SSTDICC005	SSTDICC005	BF140856.D	12/16/2024	12:39
SSTDICC010	SSTDICC010	BF140857.D	12/16/2024	13:05
SSTDICC020	SSTDICC020	BF140858.D	12/16/2024	14:00
SSTDICCC040	SSTDICCC040	BF140859.D	12/16/2024	14:26
SSTDICC050	SSTDICC050	BF140860.D	12/16/2024	15:23
SSTDICC060	SSTDICC060	BF140861.D	12/16/2024	15:49
SSTDICC080	SSTDICC080	BF140862.D	12/16/2024	16:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM SAS No.: P5279 SDG NO.: P5279

Lab File ID: BF140871.D DFTPP Injection Date: 12/17/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.9
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	48.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	80.7
443	15.0 - 24.0% of mass 442	15.3 (19) 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	BF140872.D	12/17/2024	09:24
ROCKAWAY-PARK	P5279-01	BF140890.D	12/17/2024	17:22

Raw Data: **BF140895.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM SAS No.: P5279 SDG NO.: P5279

Lab File ID: BF140895.D DFTPP Injection Date: 12/18/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
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	6.6
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	95.6
443	15.0 - 24.0% of mass 442	17.6 (18.4) 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
SSTDCCC040	SSTDCCC040	BF140896.D	12/18/2024	10:43
PB165648BL	PB165648BL	BF140897.D	12/18/2024	11:27
PB165648BS	PB165648BS	BF140898.D	12/18/2024	11:53
COMP-1AMS	P5277-01MS	BF140909.D	12/18/2024	16:46
COMP-1AMSD	P5277-01MSD	BF140910.D	12/18/2024	17:12

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG NO.: P5279

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/17/2024

Lab File ID: BF140872.D Time Analyzed: 09:24

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	80900	6.851	293024	8.13	171346	9.89
	UPPER LIMIT	161800	7.351	586048	8.628	342692	10.386
	LOWER LIMIT	40450	6.351	146512	7.628	85673	9.386
	EPA SAMPLE NO.						
01	ROCKAWAY-PARK	57445	6.85	220060	8.13	113565	9.88

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.: P5279 SAS No.: P5279 SDG NO.: P5279

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/17/2024

Lab File ID: BF140872.D Time Analyzed: 09:24

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	305119	11.375	214494	14.027	199592	15.521
	UPPER LIMIT	610238	11.875	428988	14.527	399184	16.021
	LOWER LIMIT	152560	10.875	107247	13.527	99796	15.021
	EPA SAMPLE NO.						
01	ROCKAWAY-PARK	201340	11.37	178498	14.02	185951	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.: P5279 SAS No.: P5279 SDG NO.: P5279

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/18/2024

Lab File ID: BF140896.D Time Analyzed: 10:43

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	88984	6.851	307954	8.13	178243	9.89
	UPPER LIMIT	177968	7.351	615908	8.634	356486	10.386
	LOWER LIMIT	44492	6.351	153977	7.634	89121.5	9.386
	EPA SAMPLE NO.						
01	COMP-1AMS	67242	6.85	255498	8.13	136301	9.89
02	COMP-1AMSD	72196	6.85	286565	8.13	159772	9.89
03	PB165648BL	76848	6.85	304412	8.13	183535	9.88
04	PB165648BS	81466	6.85	321545	8.13	194109	9.89

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG NO.: P5279

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/18/2024

Lab File ID: BF140896.D Time Analyzed: 10:43

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	366627	11.381	240438	14.039	194500	15.533
	UPPER LIMIT	733254	11.881	480876	14.539	389000	16.033
	LOWER LIMIT	183314	10.881	120219	13.539	97250	15.033
	EPA SAMPLE NO.						
01	COMP-1AMS	272033	11.38	155658	14.03	148257	15.51
02	COMP-1AMSD	297605	11.38	174501	14.03	150856	15.51
03	PB165648BL	373254	11.38	284135	14.03	222606	15.53
04	PB165648BS	376011	11.38	249574	14.03	160098	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.

SAMPLE DATA

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/13/24
Project:	MTA Rockaway Park	Date Received:	12/13/24
Client Sample ID:	ROCKAWAY-PARK	SDG No.:	P5279
Lab Sample ID:	P5279-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.6
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140890.D	1	12/16/24 09:20	12/17/24 17:22	PB165648

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.12	J	0.088	0.18	mg/Kg
208-96-8	Acenaphthylene	0.22		0.092	0.18	mg/Kg
83-32-9	Acenaphthene	0.13	J	0.087	0.18	mg/Kg
86-73-7	Fluorene	0.091	U	0.091	0.18	mg/Kg
85-01-8	Phenanthrene	0.75		0.090	0.18	mg/Kg
120-12-7	Anthracene	0.16	J	0.090	0.18	mg/Kg
206-44-0	Fluoranthene	1.00		0.087	0.18	mg/Kg
129-00-0	Pyrene	1.00		0.089	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.70		0.086	0.18	mg/Kg
218-01-9	Chrysene	0.55		0.085	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.68		0.087	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.31		0.088	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.64		0.099	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.34	Q	0.083	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.11	J	0.087	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.38		0.086	0.18	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	48.4		18 - 107	48%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.4		20 - 109	49%	SPK: 100
1718-51-0	Terphenyl-d14	40.6		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57400	6.851			
1146-65-2	Naphthalene-d8	220000	8.128			
15067-26-2	Acenaphthene-d10	114000	9.881			
1517-22-2	Phenanthrene-d10	201000	11.369			
1719-03-5	Chrysene-d12	178000	14.022			
1520-96-3	Perylene-d12	186000	15.516			

Raw Data: **BF140890.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tully Construction Co., Inc.			Date Collected:	12/13/24
Project:	MTA Rockaway Park			Date Received:	12/13/24
Client Sample ID:	ROCKAWAY-PARK			SDG No.:	P5279
Lab Sample ID:	P5279-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	93.6
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BF140890.D	1	12/16/24 09:20	12/17/24 17:22	PB165648

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

Sample Results: **BF140890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140890.D
Acq On : 17 Dec 2024 17:22
Operator : RC/JU
Sample : P5279-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 18 00:13:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	57445	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	220060	20.000	ng		0.00
39) Acenaphthene-d10	9.881	164	113565	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	201340	20.000	ng		0.00
76) Chrysene-d12	14.022	240	178498	20.000	ng		-0.01
86) Perylene-d12	15.516	264	185951	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	214285	61.407	ng		0.00
7) Phenol-d6	6.498	99	291981	63.172	ng		0.00
23) Nitrobenzene-d5	7.410	82	212736	48.366	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	76347	56.842	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	408390	49.441	ng		0.00
79) Terphenyl-d14	12.957	244	459185	40.565	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.151	128	39945	3.304	ng		98
49) Acenaphthylene	9.745	152	63054	6.211	ng		99
52) Acenaphthene	9.916	154	23804	3.671	ng		99
58) Fluorene	10.434	166	21092	2.544	ng		96
71) Phenanthrene	11.398	178	219520	21.202	ng		99
72) Anthracene	11.451	178	46899	4.600	ng		98
75) Fluoranthene	12.592	202	342571	28.729	ng		99
78) Pyrene	12.822	202	446351	28.120	ng		99
81) Benzo(a)anthracene	14.016	228	248523	19.645	ng		97
83) Chrysene	14.051	228	178387	15.507	ng		98
87) Indeno(1,2,3-cd)pyrene	17.015	276	109571	9.442	ng	#	93
88) Benzo(b)fluoranthene	15.086	252	245376m	19.010	ng		
89) Benzo(k)fluoranthene	15.098	252	94941m	8.575	ng		
90) Benzo(a)pyrene	15.457	252	181398	17.947	ng		97
91) Dibenzo(a,h)anthracene	17.021	278	29335	3.051	ng	#	89
92) Benzo(g,h,i)perylene	17.474	276	105031	10.735	ng		97

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

Sample Results: **BF140890.D**

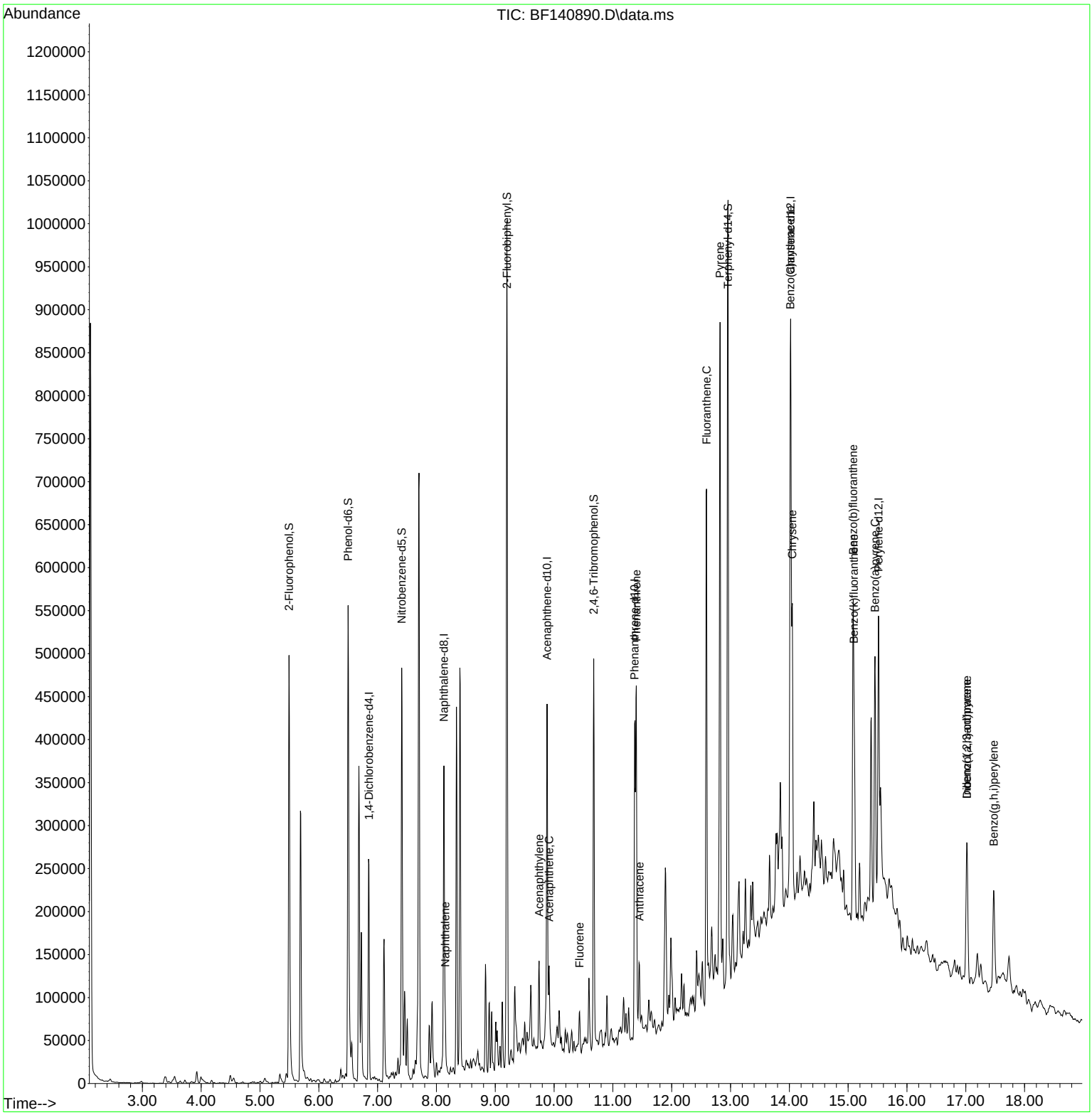
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140890.D
Acq On : 17 Dec 2024 17:22
Operator : RC/JU
Sample : P5279-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

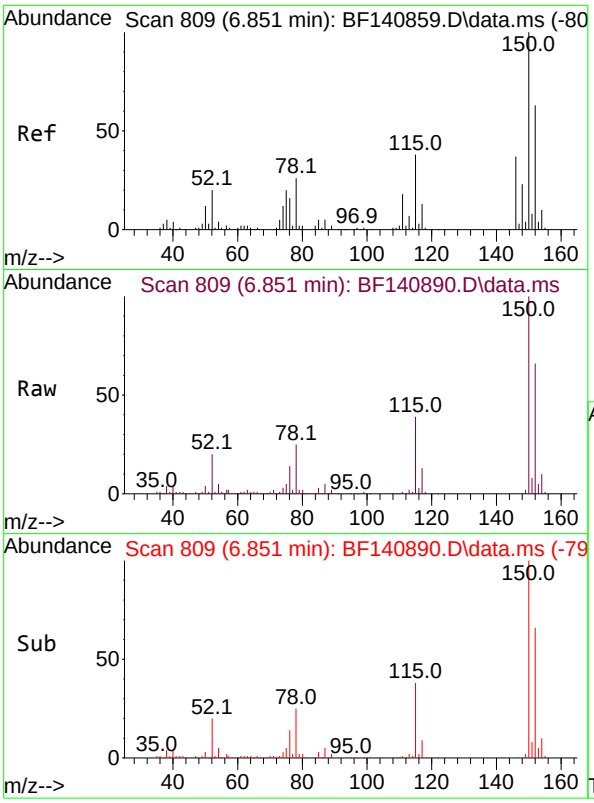
Quant Time: Dec 18 00:13:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

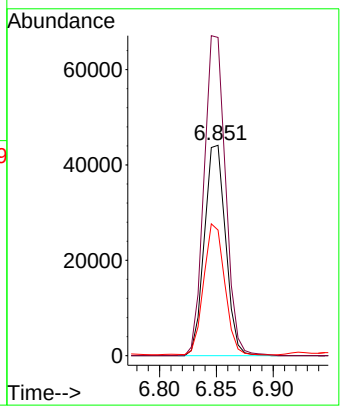




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:152 Resp: 5744

Ion	Ratio	Lower	Upper
152	100		
150	151.3	127.9	191.9
115	59.7	48.0	72.0



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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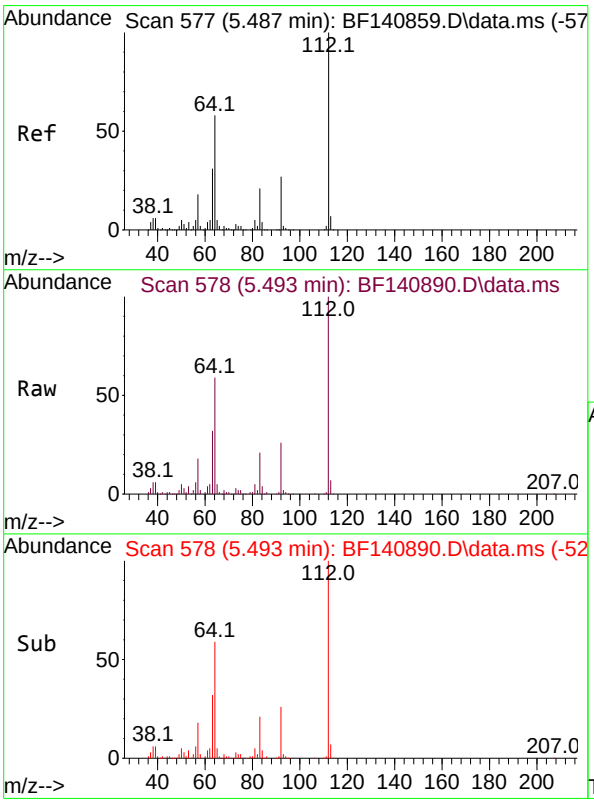
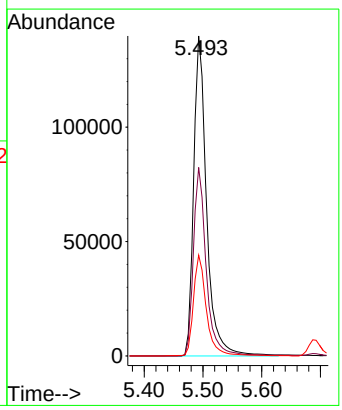
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

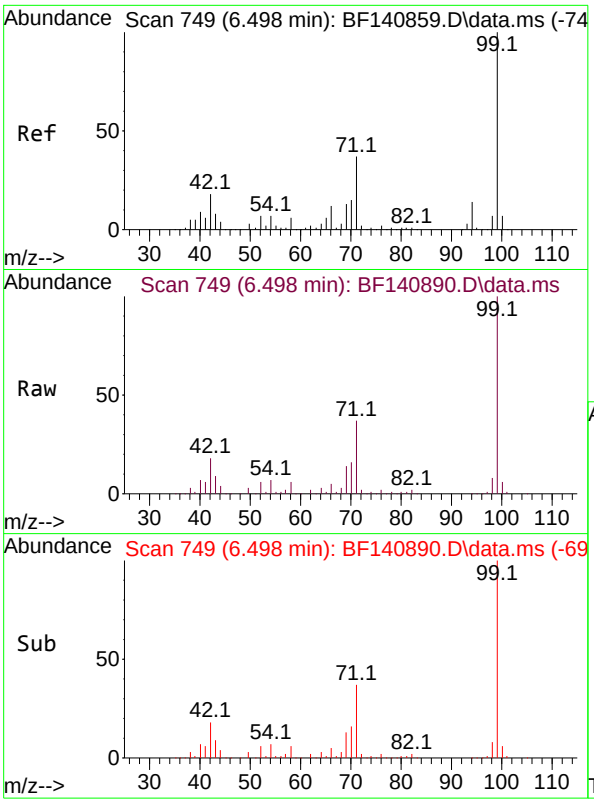


#5
2-Fluorophenol
Concen: 61.407 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:112 Resp: 214285

Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.1	69.1
63	31.5	24.9	37.3





#7
Phenol-d6
Concen: 63.172 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion: 99 Resp: 29198

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.3	21.5
71	36.7	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
APPROVED

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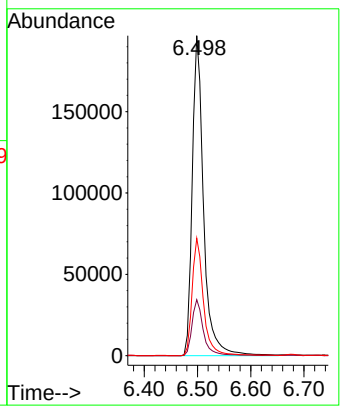
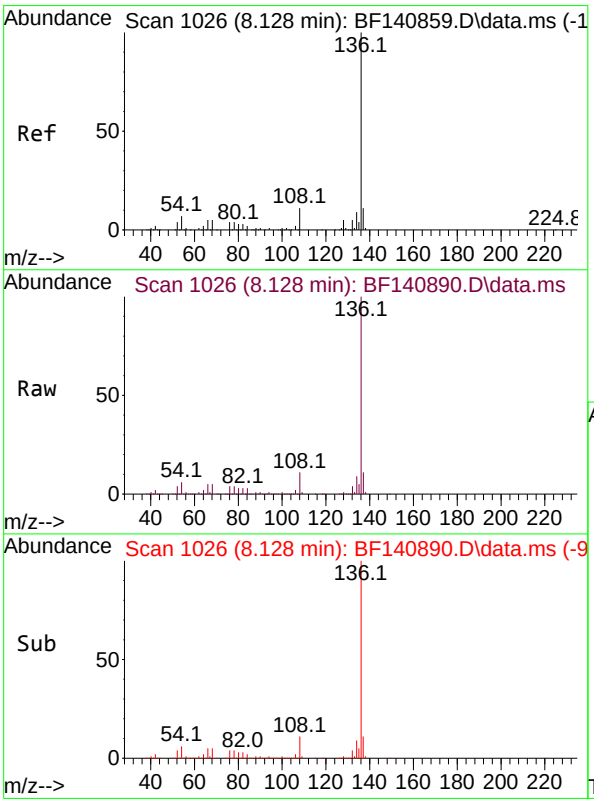
Supervised By :mohammad ahmed 12/18/2024

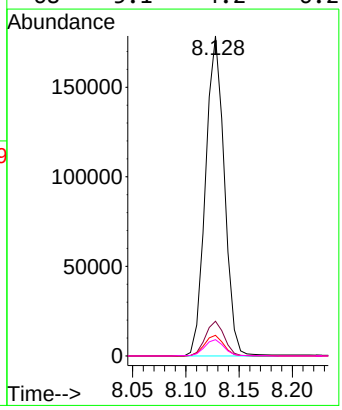


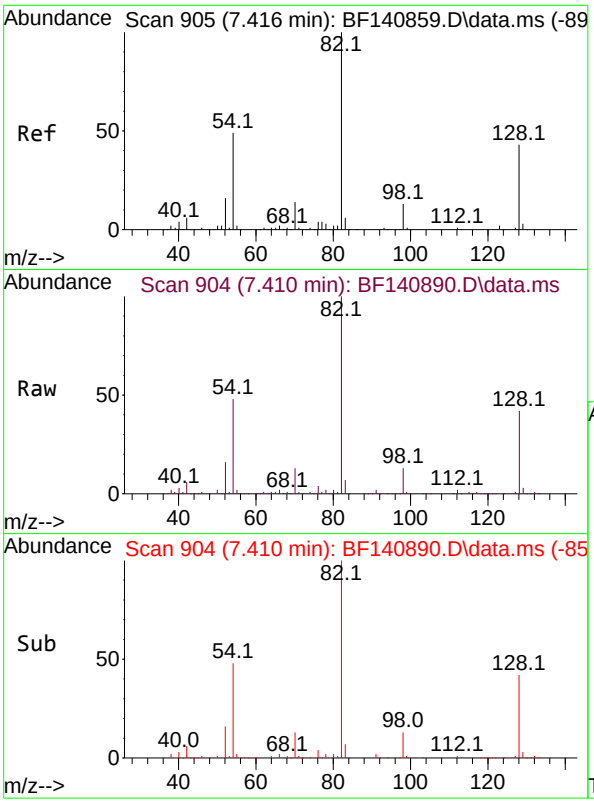


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:136 Resp: 220060

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.4	5.6	8.4
68	5.1	4.2	6.2

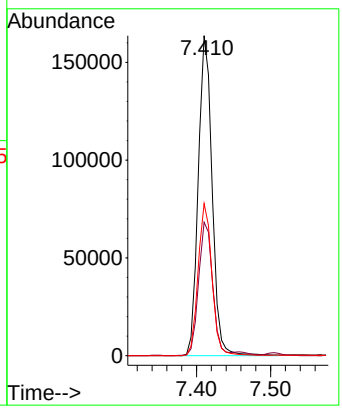




#23
Nitrobenzene-d5
Concen: 48.366 ng
RT: 7.410 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion: 82 Resp: 21273(

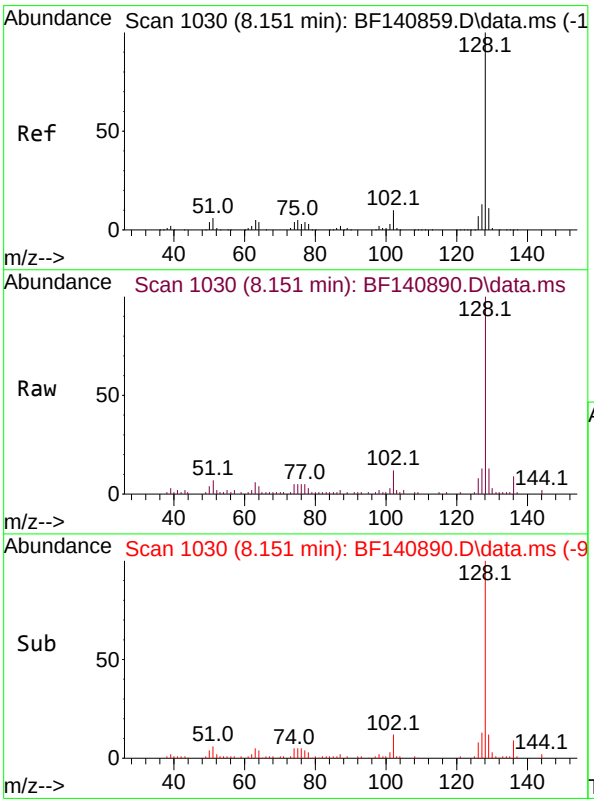
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.4	51.6
54	47.6	38.8	58.2



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
APPROVED

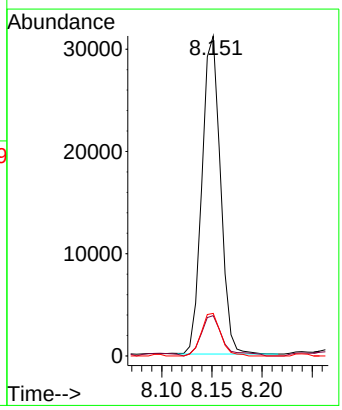
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

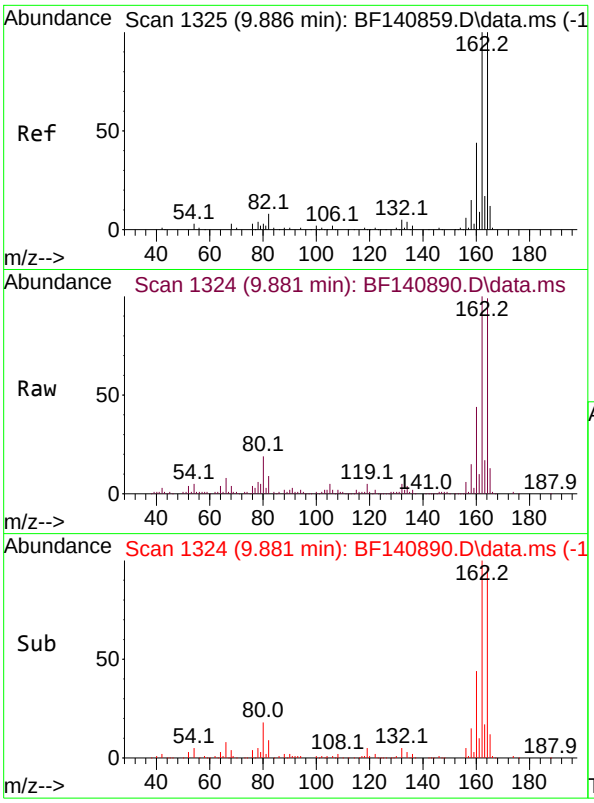


#31
Naphthalene
Concen: 3.304 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:128 Resp: 39945

Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.9	13.3
127	13.3	10.6	16.0

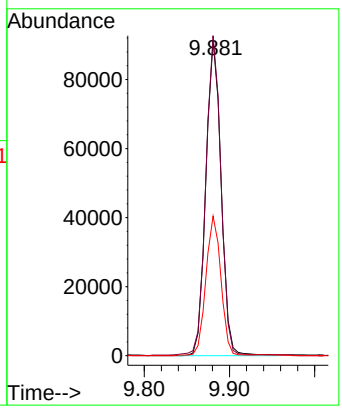




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:164 Resp: 11356

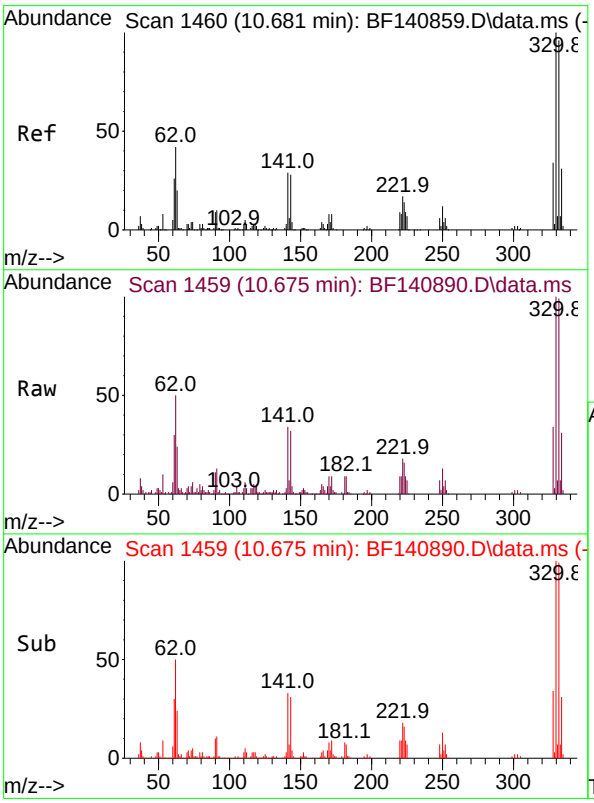
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.9	119.9
160	44.2	35.2	52.8



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
APPROVED

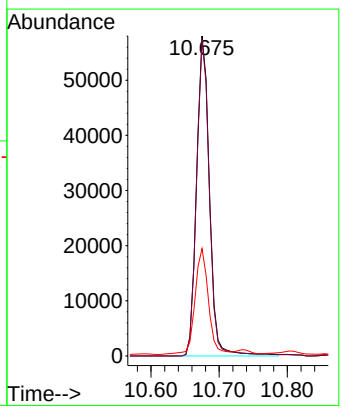
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

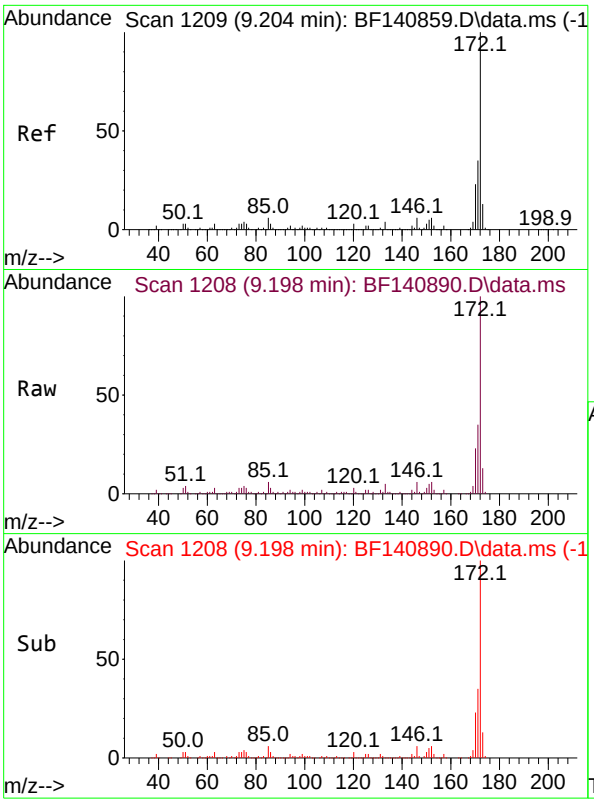


#42
2,4,6-Tribromophenol
Concen: 56.842 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:330 Resp: 76347

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.2	114.4
141	34.1	24.9	37.3

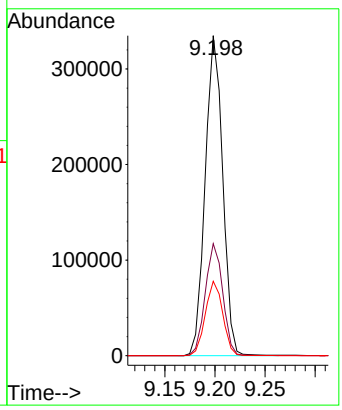




#45
2-Fluorobiphenyl
Concen: 49.441 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:172 Resp: 40839

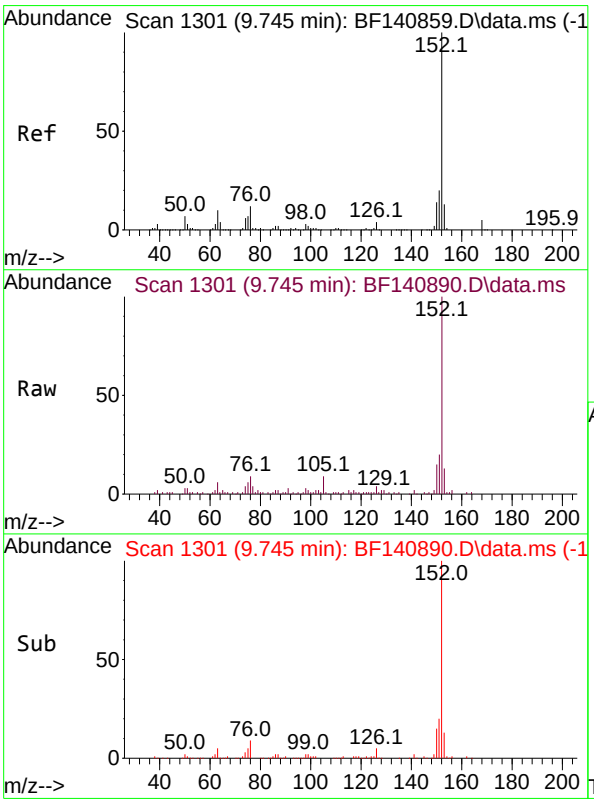
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.4	42.6
170	23.2	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
APPROVED

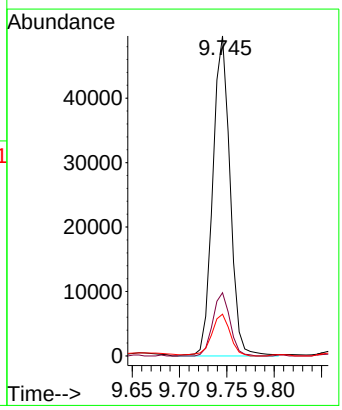
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

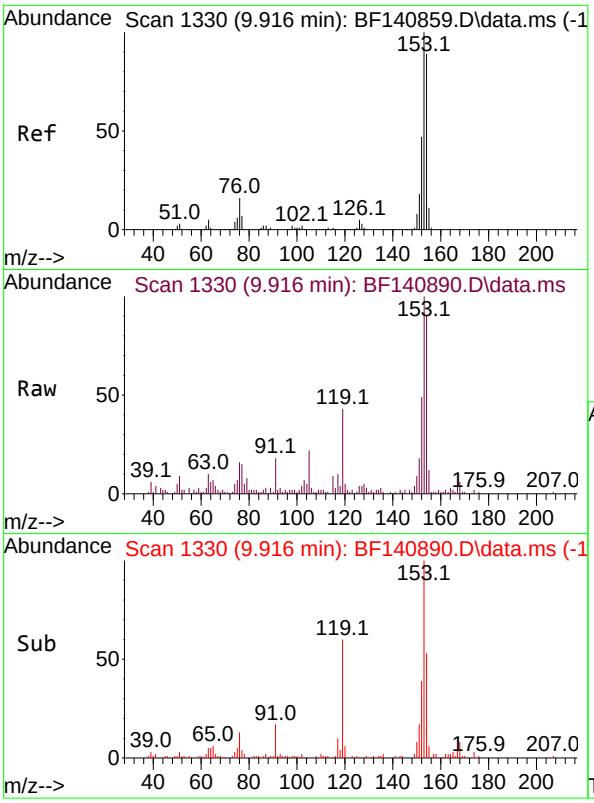


#49
Acenaphthylene
Concen: 6.211 ng
RT: 9.745 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:152 Resp: 63054

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.0	10.6	16.0

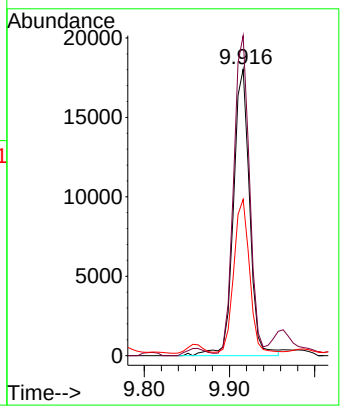




#52
Acenaphthene
Concen: 3.671 ng
RT: 9.916 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:154 Resp: 2380

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.9	134.9
152	54.5	42.6	63.8



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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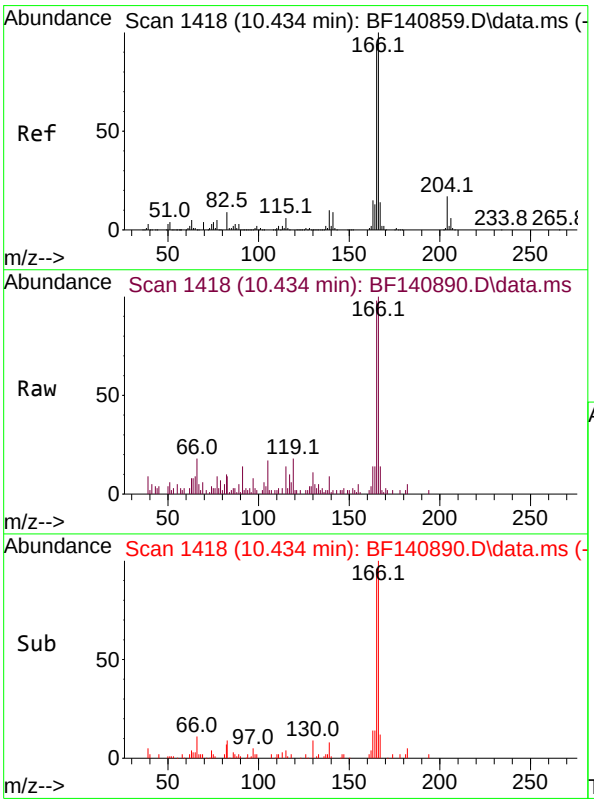
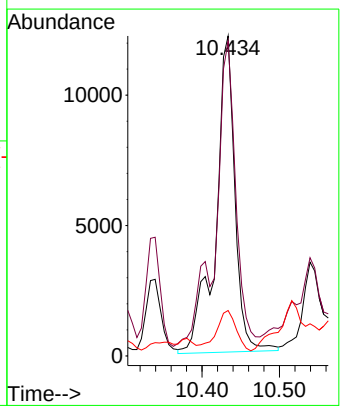
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

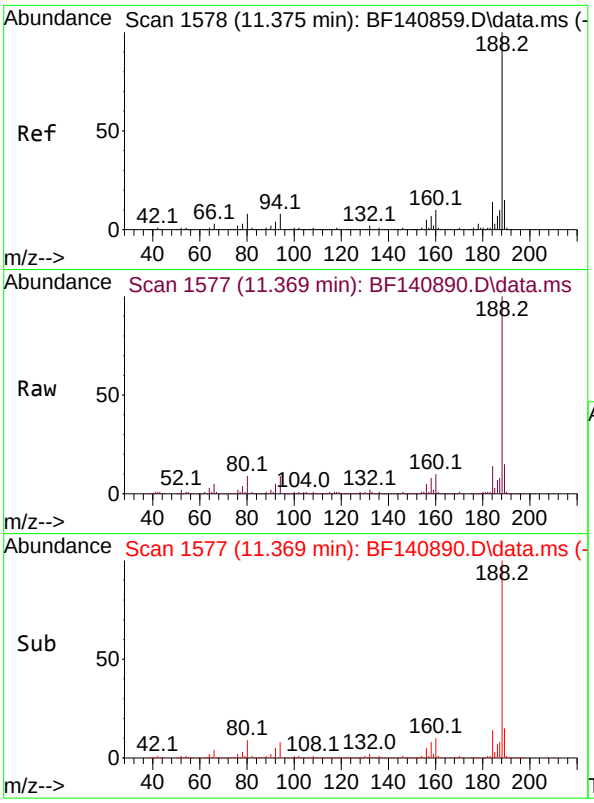


#58
Fluorene
Concen: 2.544 ng
RT: 10.434 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:166 Resp: 21092

Ion	Ratio	Lower	Upper
166	100		
165	98.4	75.1	112.7
167	14.2	11.1	16.7

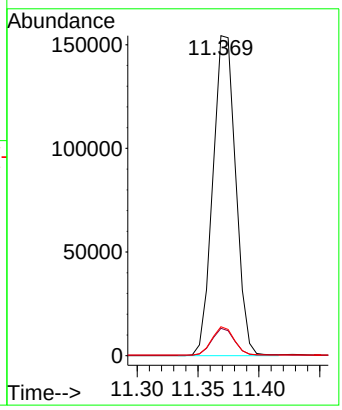




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:188 Resp: 20134

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.4	9.6
80	9.1	6.8	10.2



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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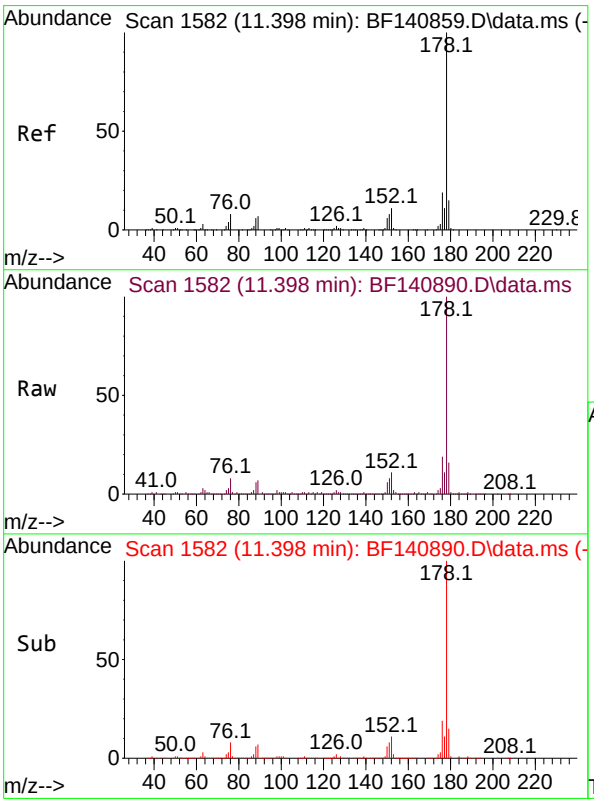
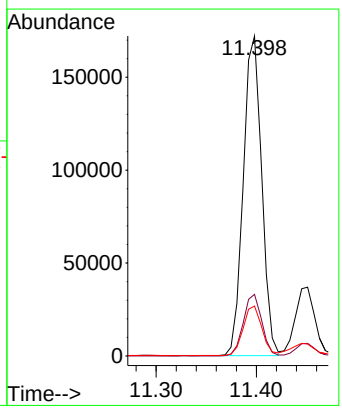
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

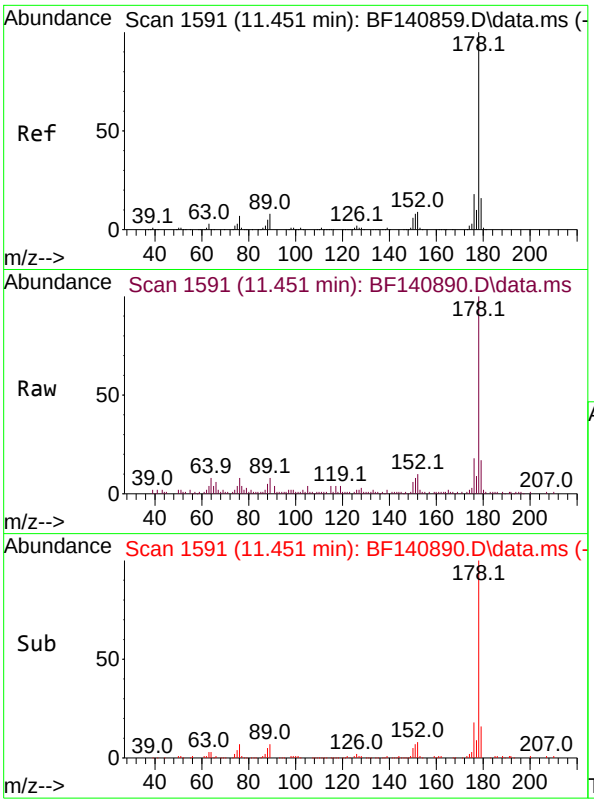


#71
Phenanthrene
Concen: 21.202 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:178 Resp: 219520

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.1	18.1

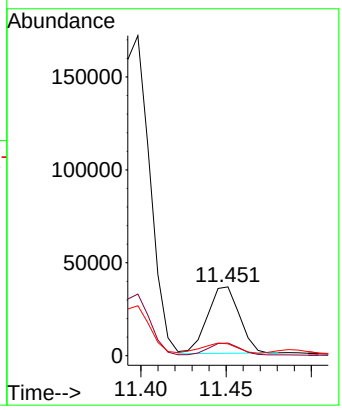




#72
Anthracene
Concen: 4.600 ng
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:178 Resp: 4689

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	17.3	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

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Reviewed By :Yogesh Patel 12/18/2024
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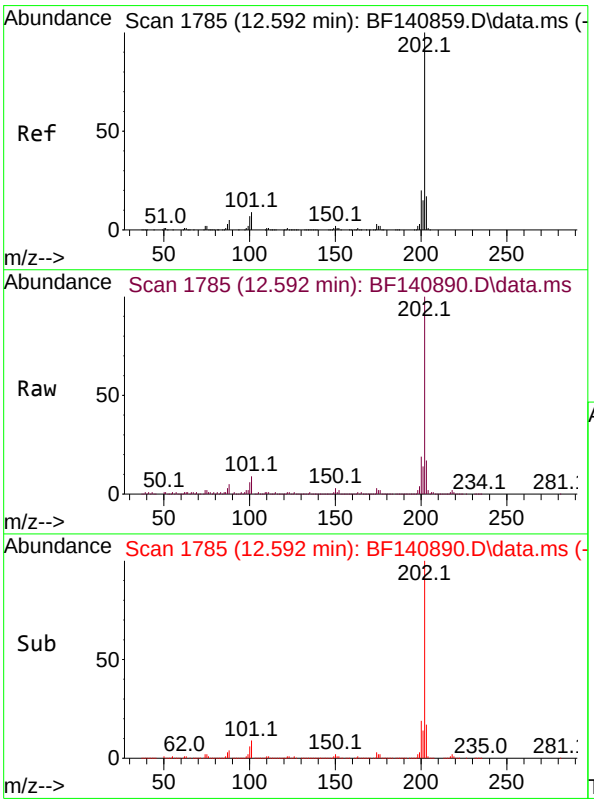
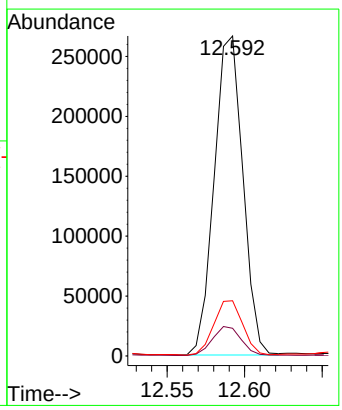
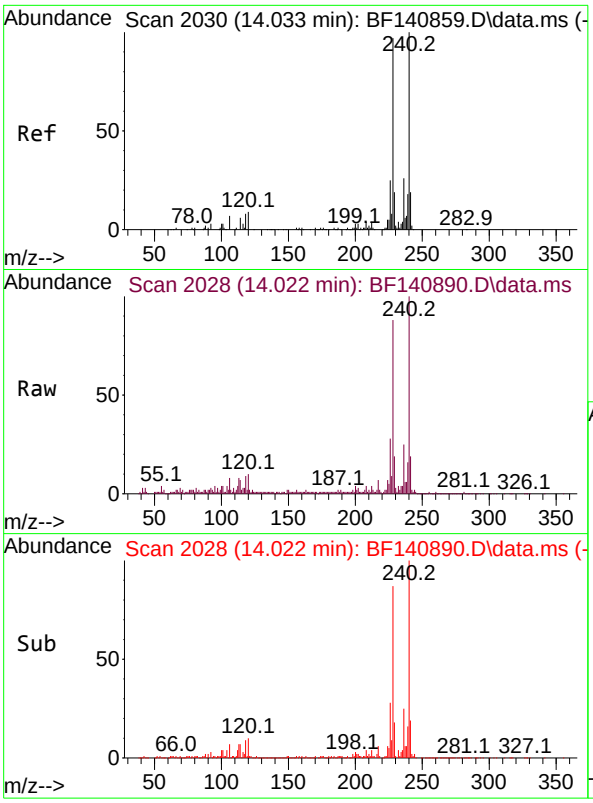


#75
Fluoranthene
Concen: 28.729 ng
RT: 12.592 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:202 Resp: 342571

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.3
203	17.3	0.0	37.4

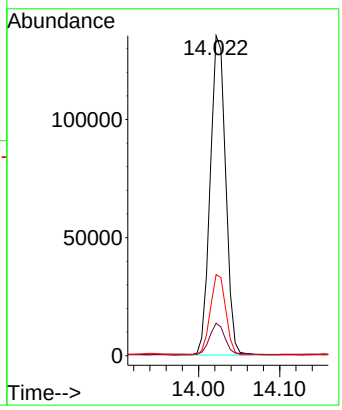




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.022 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:240 Resp: 17849

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.6	11.4
236	25.4	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

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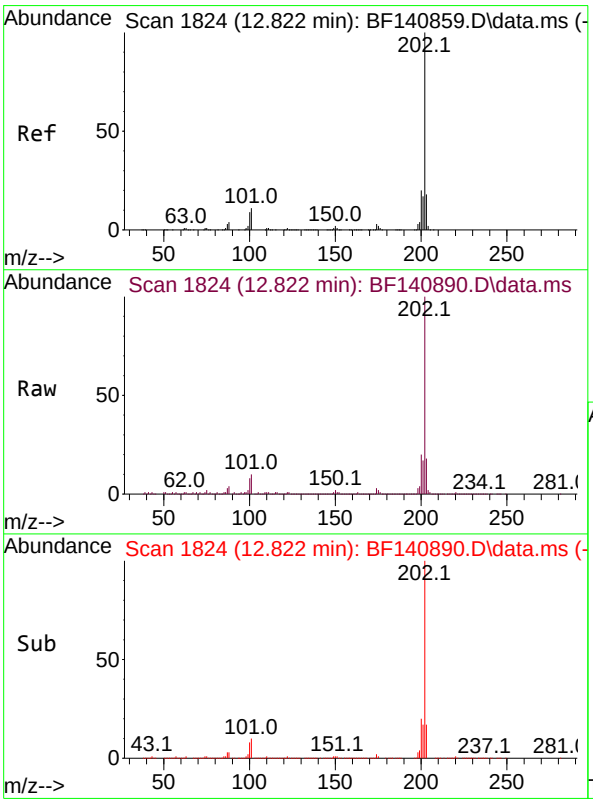
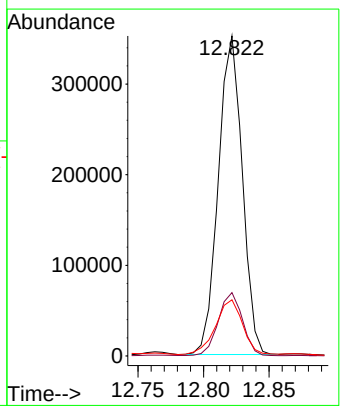
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

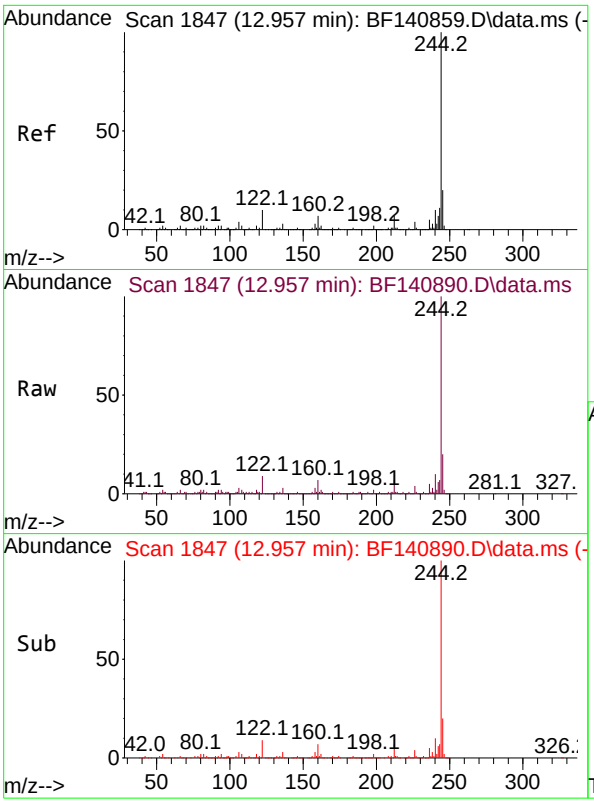


#78
Pyrene
Concen: 28.120 ng
RT: 12.822 min Scan# 1824
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:202 Resp: 446351

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.1	24.1
203	17.6	14.2	21.4

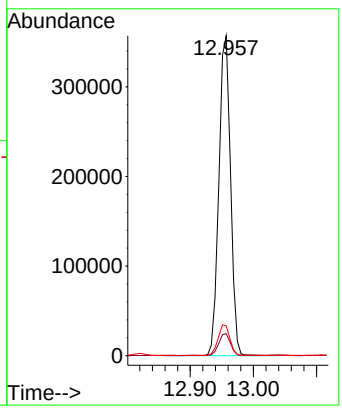




#79
Terphenyl-d14
Concen: 40.565 ng
RT: 12.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:244 Resp: 45918

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.3	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

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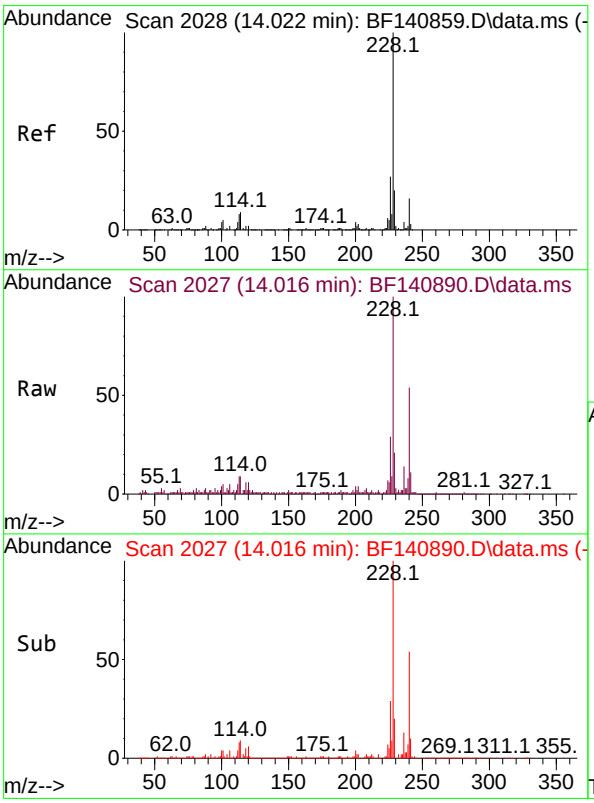
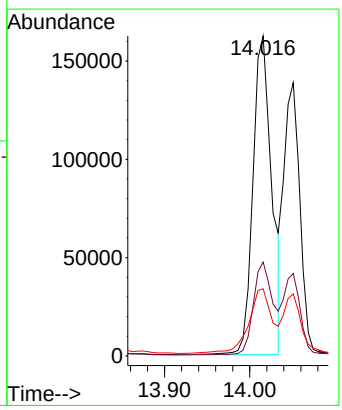
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

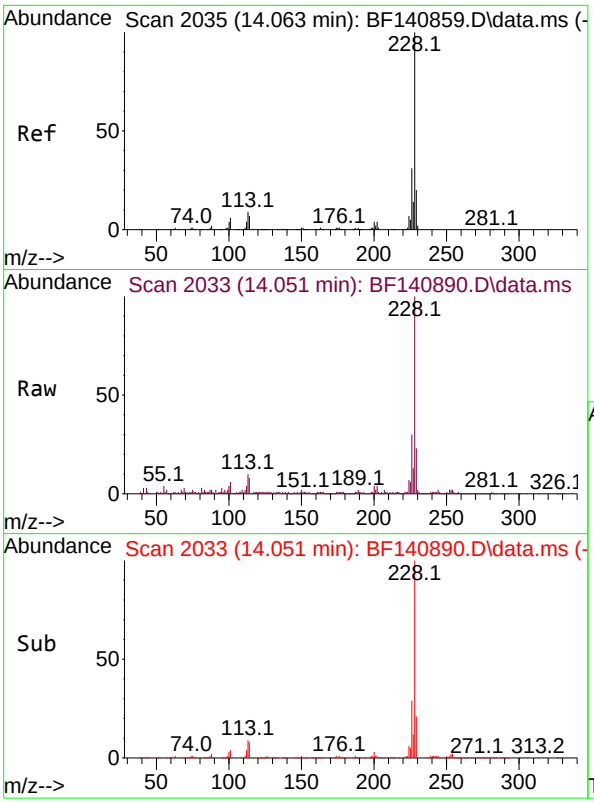


#81
Benzo(a)anthracene
Concen: 19.645 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:228 Resp: 248523

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.8
229	21.0	15.8	23.8

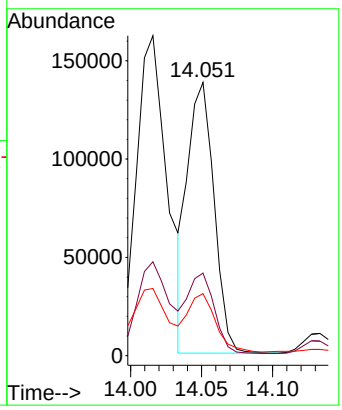




#83
Chrysene
Concen: 15.507 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:228 Resp: 17838

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	22.7	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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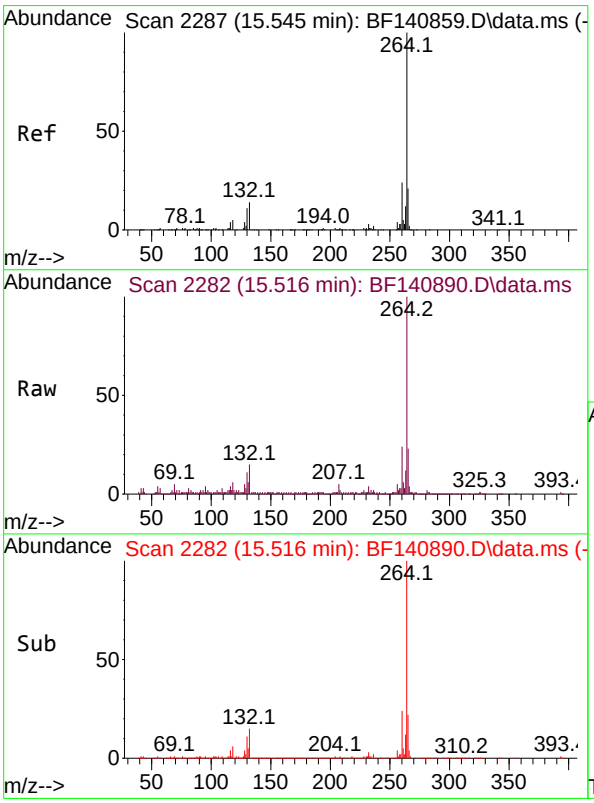
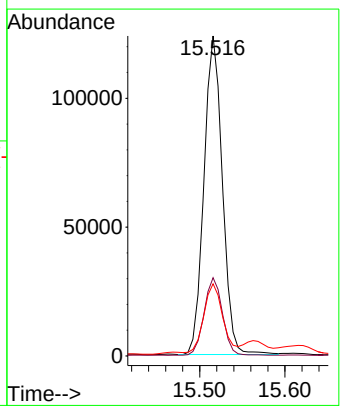
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

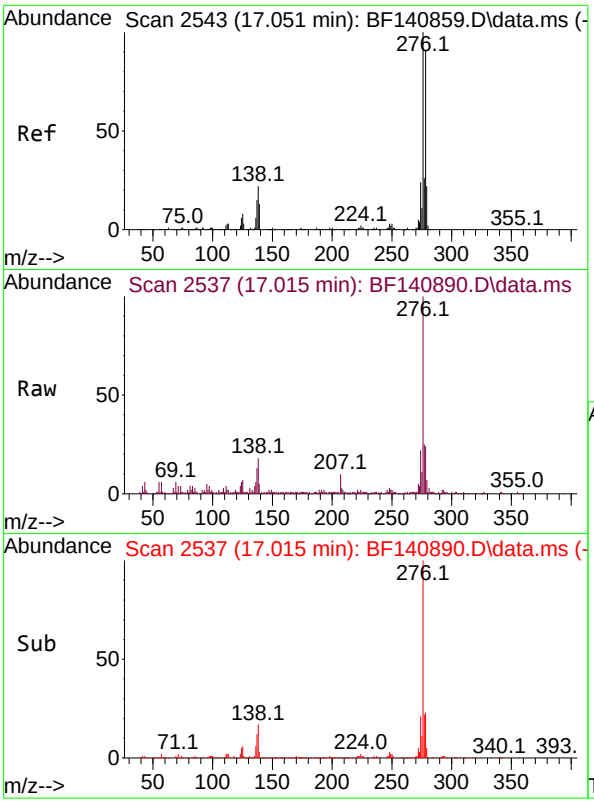


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.029 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:264 Resp: 185951

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.6	17.0	25.4

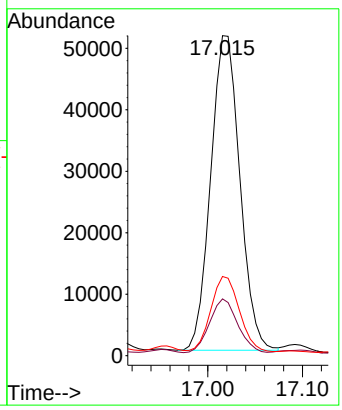




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.442 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:276 Resp: 10957

Ion	Ratio	Lower	Upper
276	100		
138	16.7	16.9	25.3#
277	23.2	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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Reviewed By :Yogesh Patel 12/18/2024
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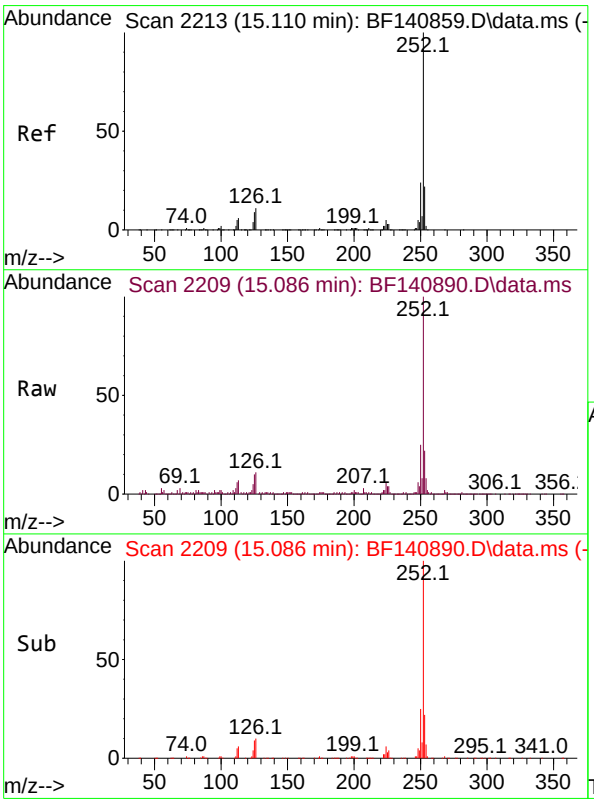
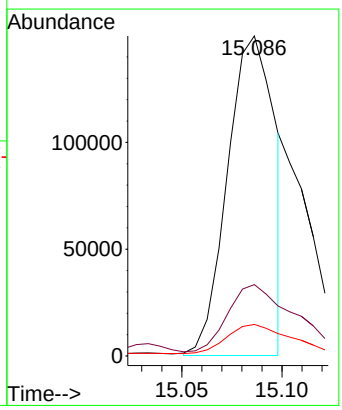
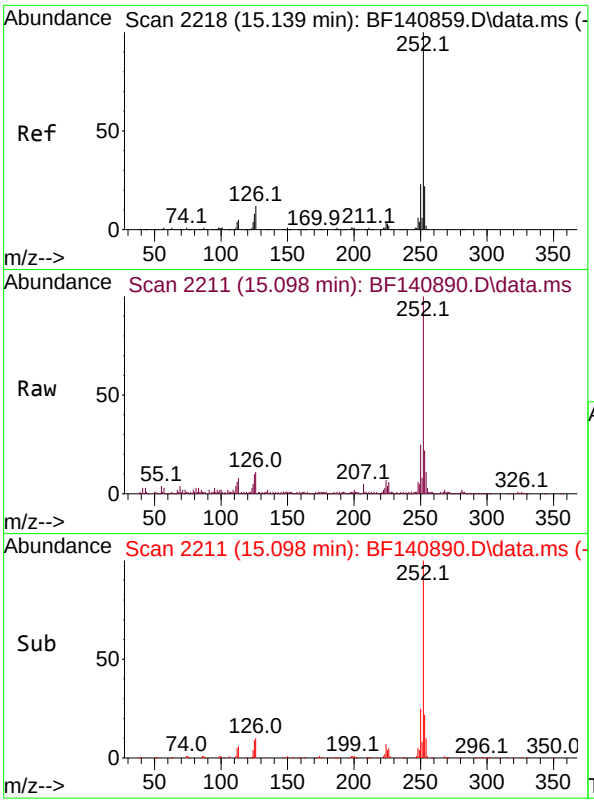


#88
Benzo(b)fluoranthene
Concen: 19.010 ng m
RT: 15.086 min Scan# 2209
Delta R.T. -0.024 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:252 Resp: 245376

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	9.8	7.0	10.4

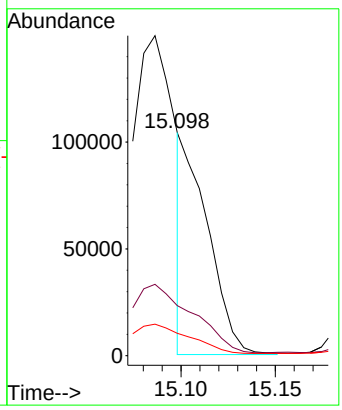




#89
Benzo(k)fluoranthene
Concen: 8.575 ng m
RT: 15.098 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:252 Resp: 9494

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.1	6.8	10.2



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

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Reviewed By :Yogesh Patel 12/18/2024
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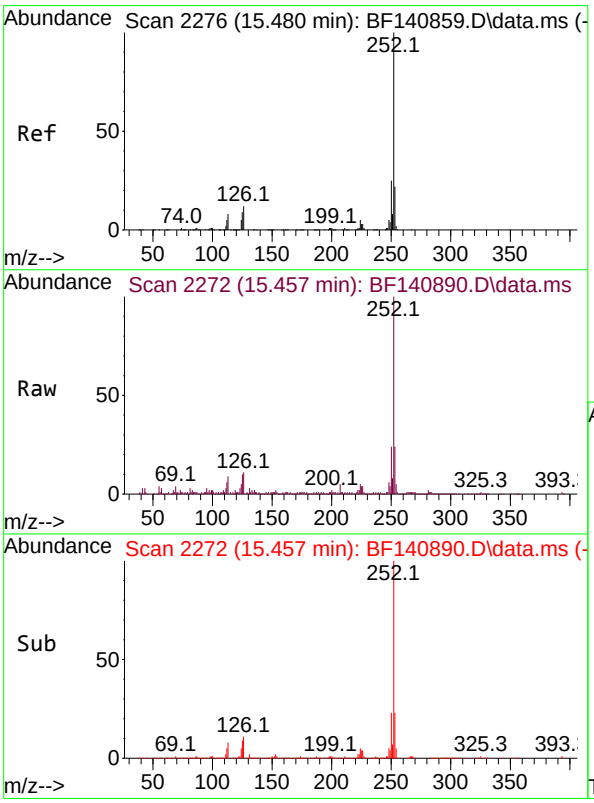
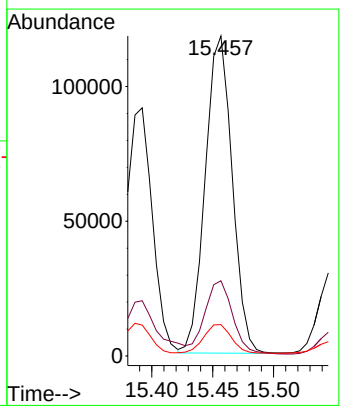
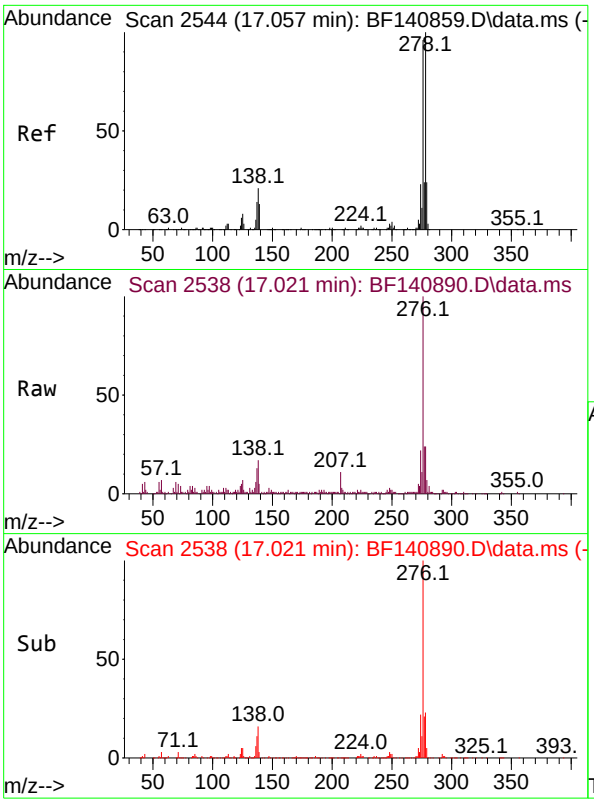


#90
Benzo(a)pyrene
Concen: 17.947 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.023 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:252 Resp: 181398

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	9.8	7.5	11.3

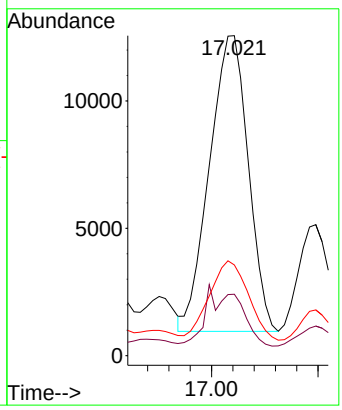




#91
Dibenzo(a,h)anthracene
Concen: 3.051 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:278 Resp: 2933

Ion	Ratio	Lower	Upper
278	100		
139	19.2	10.6	16.0
279	28.4	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
ROCKAWAY-PARK

Manual Integrations
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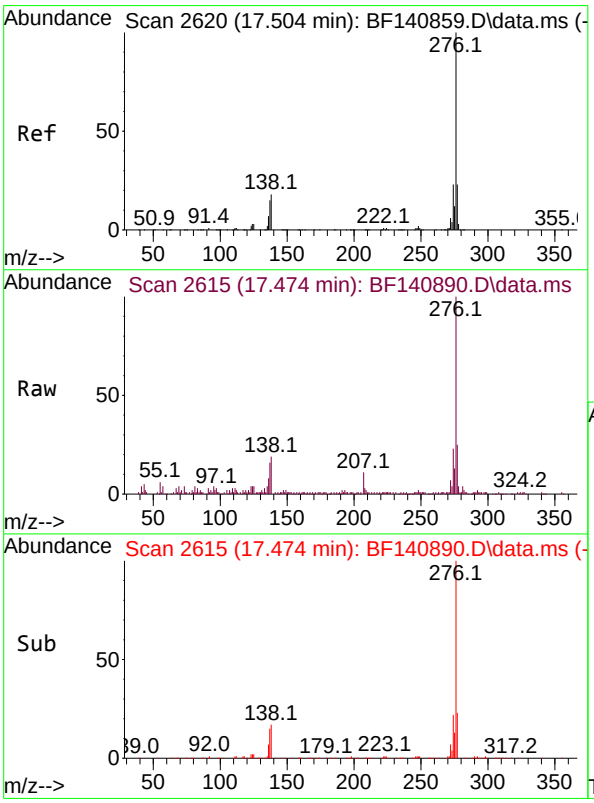
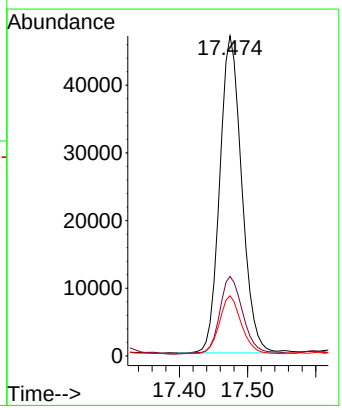
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#92
Benzo(g,h,i)perylene
Concen: 10.735 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.029 min
Lab File: BF140890.D
Acq: 17 Dec 2024 17:22

Tgt Ion:276 Resp: 105031

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	18.8	14.2	21.2



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG No.: P5279

Instrument ID: BNA_F Calibration Date(s): 12/16/2024 12/16/2024

Calibration Time(s): 12:13 16:15

LAB FILE ID: RRF2.5 = BF140855.D RRF005 = BF140856.D RRF010 = BF140857.D
RRF020 = BF140858.D RRF040 = BF140859.D RRF050 = BF140860.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.215	4.4
Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.609	4.5
Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.400	4.4
Naphthalene		1.138	1.125	1.126	1.067	1.090	1.099	3.9
2-Fluorobiphenyl		1.560	1.410	1.538	1.369	1.345	1.455	5.8
Acenaphthylene		1.874	1.821	1.880	1.734	1.696	1.788	4.1
Acenaphthene		1.228	1.190	1.166	1.113	1.100	1.142	5.2
Fluorene		1.573	1.522	1.492	1.444	1.429	1.460	5.3
2,4,6-Tribromophenol		0.235	0.236	0.242	0.240	0.235	0.237	2.6
Phenanthrene		1.125	1.081	1.072	0.983	0.988	1.028	6.5
Anthracene		1.091	1.064	1.053	0.970	0.978	1.013	5.7
Fluoranthene		1.364	1.291	1.251	1.130	1.138	1.184	11.5
Pyrene		1.904	1.719	1.650	1.699	1.761	1.779	6.1
Terphenyl-d14		1.354	1.247	1.218	1.206	1.212	1.268	5.6
Benzo(a)anthracene		1.494	1.473	1.421	1.359	1.388	1.417	3.6
Chrysene		1.361	1.284	1.364	1.271	1.254	1.289	4.4
Benzo(b)fluoranthene		1.454	1.466	1.450	1.294	1.263	1.388	6.1
Benzo(k)fluoranthene		1.318	1.250	1.223	1.224	1.142	1.191	8.6
Benzo(a)pyrene		1.099	1.084	1.134	1.073	1.056	1.087	3.1
Indeno(1,2,3-cd)pyrene		1.130	1.174	1.330	1.269	1.109	1.248	8.9
Dibenzo(a,h)anthracene		0.913	0.986	1.092	1.058	0.918	1.034	9.3
Benzo(g,h,i)perylene		0.961	0.972	1.094	1.073	0.944	1.052	9.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140855.D 5 =BF140856.D 10 =BF140857.D 20 =BF140858.D 40 =BF140859.D 50 =BF140860.D 60 =BF140861.D 80 =BF1408
62.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.527	0.492	0.523	3.76
3)		Pyridine		1.203	1.182	1.284	1.222	1.221	1.235	1.136	1.212	3.78
4)		n-Nitrosodimet...		0.598	0.593	0.626	0.603	0.621	0.648	0.587	0.611	3.58
5)	S	2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.242	1.107	1.215	4.45
6)		Aniline		1.408	1.461	1.448	1.374	1.364	1.369	1.208	1.376	6.06
7)	S	Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.623	1.485	1.609	4.45
8)		2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.351	1.230	1.325	3.75
9)		Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.800	0.663	0.892	16.27
10)	C	Phenol		1.756	1.690	1.733	1.630	1.643	1.688	1.534	1.668	4.44
11)		bis(2-Chloroet...		1.277	1.242	1.281	1.227	1.237	1.267	1.176	1.244	2.93
12)		1,3-Dichlorobe...		1.584	1.540	1.557	1.469	1.495	1.530	1.394	1.510	4.21
13)	C	1,4-Dichlorobe...		1.607	1.601	1.583	1.497	1.495	1.546	1.397	1.532	4.91
14)		1,2-Dichlorobe...		1.521	1.495	1.509	1.436	1.403	1.434	1.322	1.446	4.86
15)		Benzyl Alcohol		1.146	1.143	1.236	1.150	1.143	1.179	1.056	1.151	4.64
16)		2,2'-oxybis(1-...		1.563	1.495	1.519	1.438	1.438	1.443	1.359	1.465	4.53
17)		2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.067	0.993	1.058	3.51
18)		Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.580	0.535	0.570	3.86
19)	P	n-Nitroso-di-n...	1.005	1.030	1.004	0.999	0.922	0.938	0.949	0.873	0.965	5.52
20)		3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.396	1.273	1.403	5.82
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.526	0.503	0.520	0.493	0.496	0.518	0.446	0.500	5.41
23)	S	Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.415	0.366	0.400	4.42
24)		Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.429	0.375	0.410	4.40
25)		Isophorone		0.681	0.672	0.690	0.651	0.664	0.700	0.631	0.670	3.55
26)	C	2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.201	0.180	0.189	3.79
27)		2,4-Dimethylph...		0.221	0.220	0.225	0.220	0.219	0.228	0.210	0.220	2.61
28)		bis(2-Chloroet...		0.431	0.414	0.429	0.417	0.418	0.426	0.394	0.418	3.04
29)	C	2,4-Dichloroph...		0.300	0.310	0.313	0.299	0.301	0.316	0.290	0.304	3.07
30)		1,2,4-Trichlor...		0.360	0.354	0.357	0.341	0.342	0.362	0.325	0.349	3.77
31)		Naphthalene		1.138	1.125	1.126	1.067	1.090	1.124	1.020	1.099	3.86
32)		Benzoic acid			0.173	0.192	0.212	0.220	0.237	0.220	0.209	10.98
33)		4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.363	0.349	0.365	2.74
34)	C	Hexachlorobuta...		0.239	0.235	0.244	0.232	0.233	0.239	0.219	0.235	3.42
35)		Caprolactam		0.085	0.090	0.090	0.090	0.089	0.092	0.097	0.091	3.88
36)	C	4-Chloro-3-met...		0.342	0.347	0.347	0.338	0.332	0.342	0.348	0.342	1.72
37)		2-Methylnaphth...		0.744	0.734	0.740	0.721	0.700	0.719	0.729	0.727	2.08
38)		1-Methylnaphth...		0.758	0.743	0.716	0.706	0.686	0.706	0.716	0.719	3.36

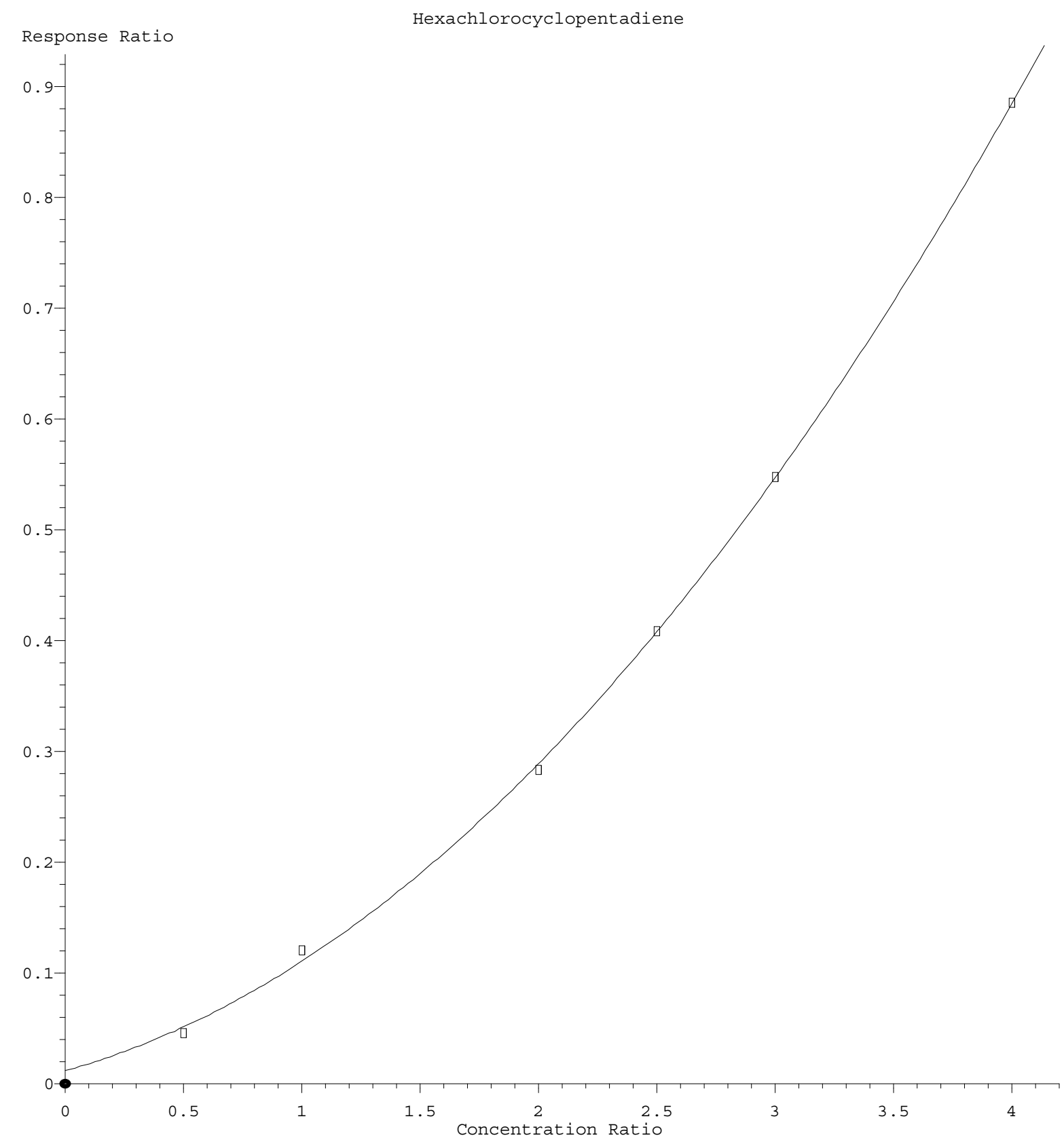
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.573	0.641	0.580	0.576	0.622	0.689	0.615	6.88
41)	P	Hexachlorocycl...		0.091	0.120	0.142	0.163	0.183	0.221	0.153	30.05
42)	S	2,4,6-Tribromo...	0.235	0.236	0.242	0.240	0.235	0.243	0.225	0.237	2.56
43)	C	2,4,6-Trichlor...	0.348	0.339	0.386	0.364	0.357	0.395	0.446	0.376	9.68
44)		2,4,5-Trichlor...	0.413	0.365	0.426	0.397	0.395	0.426	0.475	0.414	8.28
45)	S	2-Fluorobiphenyl	1.560	1.410	1.538	1.369	1.345	1.445	1.517	1.455	5.85
46)		1,1'-Biphenyl	1.678	1.512	1.639	1.513	1.463	1.575	1.752	1.590	6.54
47)		2-Chloronaphth...	1.236	1.157	1.254	1.169	1.124	1.206	1.370	1.217	6.69
48)		2-Nitroaniline	0.350	0.346	0.372	0.358	0.341	0.378	0.428	0.367	8.14
49)		Acenaphthylene	1.874	1.821	1.880	1.734	1.696	1.783	1.727	1.788	4.09
50)		Dimethylphthalate	1.431	1.367	1.438	1.359	1.308	1.417	1.549	1.410	5.45
51)		2,6-Dinitrotol...	0.320	0.317	0.328	0.312	0.303	0.321	0.355	0.322	5.06
52)	C	Acenaphthene	1.228	1.190	1.166	1.113	1.100	1.148	1.049	1.142	5.25
53)		3-Nitroaniline	0.322	0.316	0.328	0.316	0.325	0.325	0.307	0.320	2.29
54)	P	2,4-Dinitrophenol		0.088	0.108	0.134	0.145	0.160	0.157	0.132	21.60
55)		Dibenzofuran	1.920	1.876	1.830	1.728	1.705	1.746	1.583	1.770	6.48
56)	P	4-Nitrophenol		0.091	0.133	0.165	0.169	0.176	0.167	0.150	21.61
57)		2,4-Dinitrotol...	0.435	0.438	0.440	0.419	0.421	0.426	0.389	0.424	4.12
58)		Fluorene	1.573	1.522	1.492	1.444	1.429	1.425	1.335	1.460	5.29
59)		2,3,4,6-Tetrac...	0.297	0.312	0.345	0.354	0.356	0.356	0.341	0.337	6.99
60)		Diethylphthalate	1.562	1.484	1.496	1.439	1.446	1.461	1.346	1.462	4.48
61)		4-Chlorophenyl...	0.780	0.750	0.759	0.716	0.727	0.728	0.674	0.733	4.62
62)		4-Nitroaniline	0.329	0.333	0.339	0.338	0.343	0.339	0.320	0.334	2.37
63)		Azobenzene	1.482	1.411	1.394	1.368	1.358	1.334	1.273	1.375	4.74
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.109	0.117	0.118	0.129	0.109	0.113	8.96
66)	c	n-Nitrosodiphe...	0.639	0.679	0.644	0.599	0.592	0.626	0.527	0.615	7.90
67)		4-Bromophenyl-...	0.225	0.248	0.236	0.220	0.214	0.231	0.192	0.224	7.97
68)		Hexachlorobenzene	0.257	0.280	0.268	0.246	0.245	0.258	0.223	0.254	7.24
69)		Atrazine	0.200	0.204	0.193	0.168	0.153	0.157	0.127	0.172	16.48
70)	C	Pentachlorophenol		0.062	0.082	0.098	0.102	0.106	0.106	0.093	18.65
71)		Phenanthrene	1.125	1.081	1.072	0.983	0.988	1.013	0.937	1.028	6.45
72)		Anthracene	1.091	1.064	1.053	0.970	0.978	1.000	0.934	1.013	5.66
73)		Carbazole	1.086	1.018	1.026	0.952	0.972	0.970	0.920	0.992	5.58
74)		Di-n-butylphth...	1.245	1.206	1.232	1.129	1.185	1.186	0.968	1.164	8.12
75)	C	Fluoranthene	1.364	1.291	1.251	1.130	1.138	1.175	0.943	1.184	11.51
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.319	0.401	0.404	0.493	0.454	0.378	0.408	14.76
78)		Pyrene	1.904	1.719	1.650	1.699	1.761	1.769	1.948	1.779	6.12
79)	S	Terphenyl-d14	1.354	1.247	1.218	1.206	1.212	1.260	1.381	1.268	5.58
80)		Butylbenzylpht...	0.650	0.616	0.621	0.646	0.672	0.681	0.696	0.654	4.59
81)		Benzo(a)anthra...	1.494	1.473	1.421	1.359	1.388	1.418	1.369	1.417	3.60
82)		3,3'-Dichlorob...	0.429	0.427	0.449	0.412	0.432	0.446	0.399	0.428	4.14
83)		Chrysene	1.361	1.284	1.364	1.271	1.254	1.283	1.206	1.289	4.40
84)		Bis(2-ethylhex...	0.804	0.807	0.875	0.821	0.855	0.890	0.855	0.844	3.99
85)	c	Di-n-octyl pht...	1.267	1.170	1.348	1.223	1.341	1.324	1.263	1.277	5.17

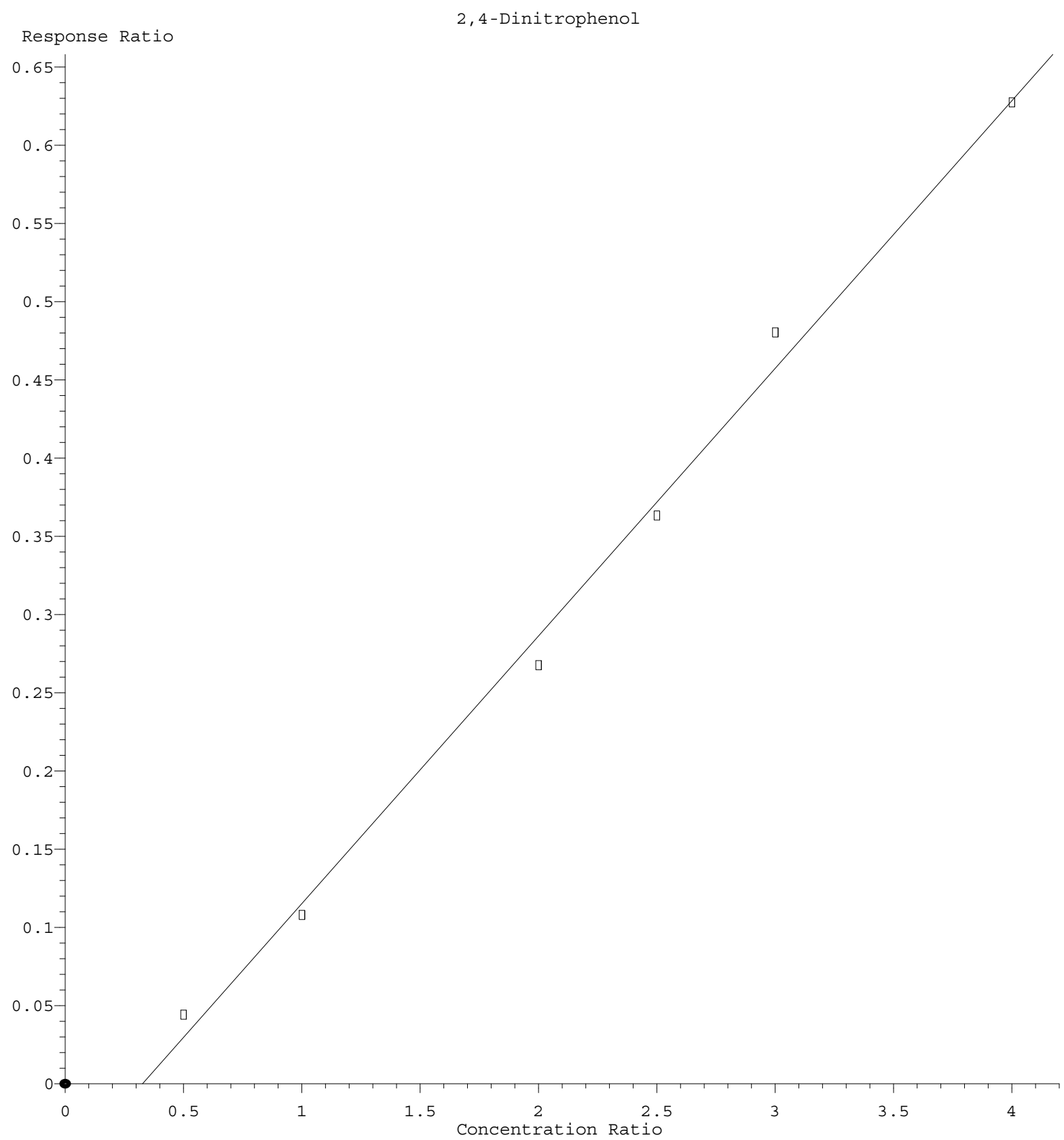
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF121624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.130	1.174	1.330	1.269	1.109	1.330	1.395	1.248	8.90
88)		Benzo(b)fluora...	1.454	1.466	1.450	1.294	1.263	1.442	1.349	1.388	6.11
89)		Benzo(k)fluora...	1.318	1.250	1.223	1.224	1.142	1.182	0.996	1.191	8.57
90)	C	Benzo(a)pyrene	1.099	1.084	1.134	1.073	1.056	1.122	1.042	1.087	3.10
91)		Dibenzo(a,h)an...	0.913	0.986	1.092	1.058	0.918	1.116	1.154	1.034	9.30
92)		Benzo(g,h,i)pe...	0.961	0.972	1.094	1.073	0.944	1.098	1.225	1.052	9.53

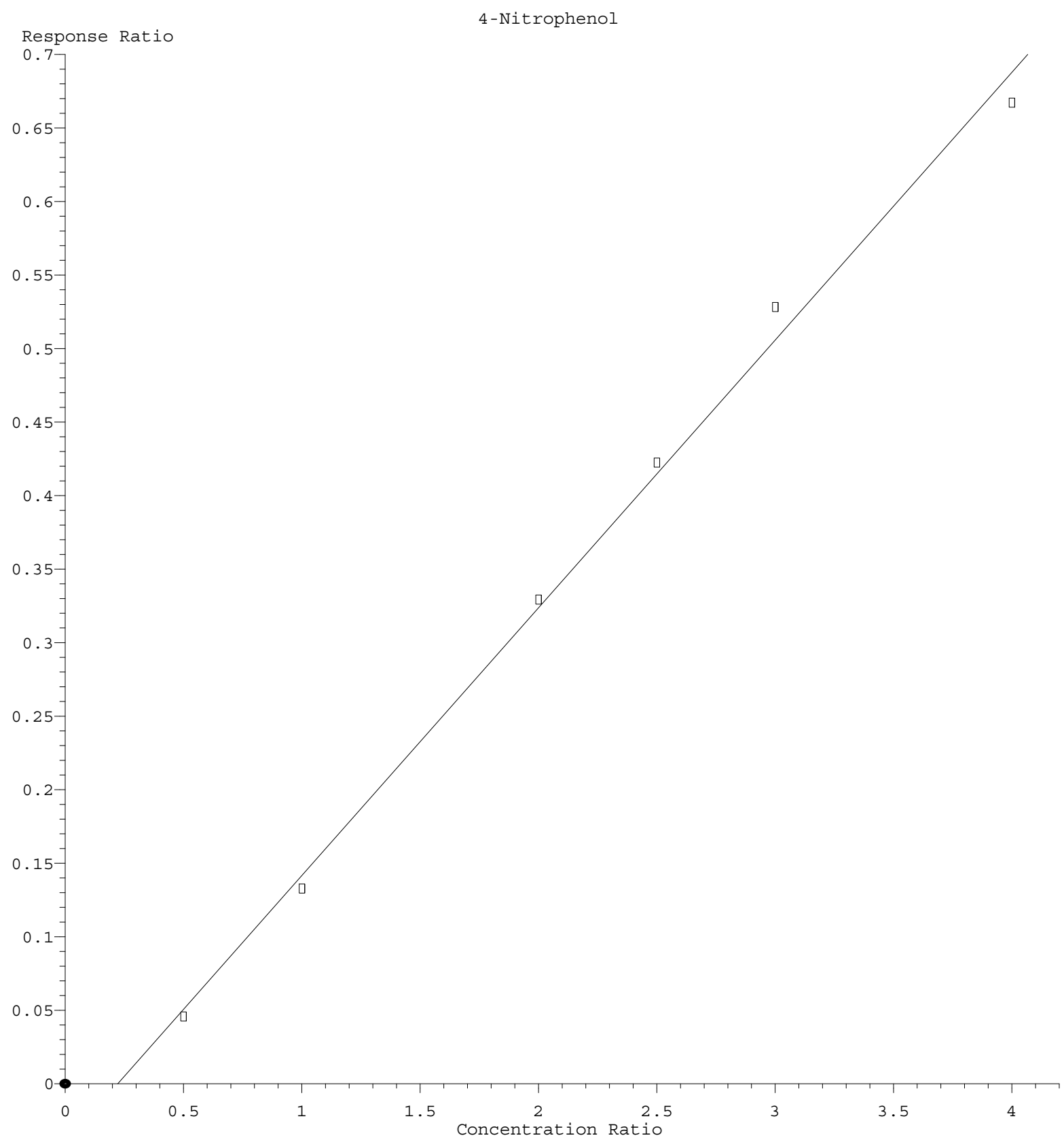
(#) = Out of Range



R = 3.984e-002 A*A + 5.892e-002 A + 1.177e-002
Coef of Det (r^2) = 0.999663 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024



Response = 1.713e-001 * Amt - 5.602e-002
Coef of Det (r^2) = 0.995067 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024



Response = 1.822e-001 * Amt - 4.046e-002
Coef of Det (r^2) = 0.995956 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF121624.M
Calibration Table Last Updated: Mon Dec 16 16:59:50 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

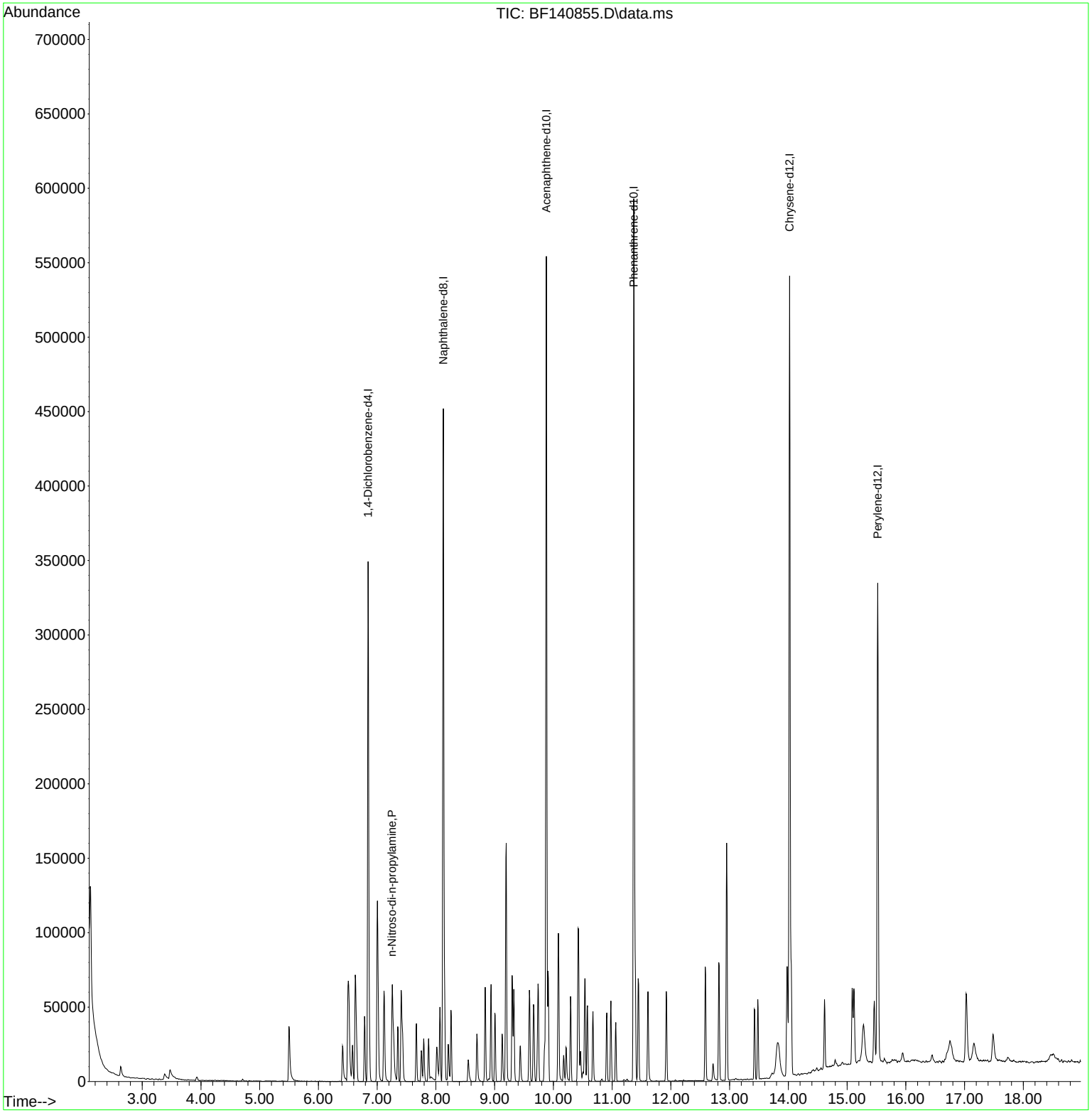
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	74199	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	283096	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	317916	20.000	ng	0.00
76) Chrysene-d12	14.021	240	234189	20.000	ng	-0.01
86) Perylene-d12	15.521	264	191083	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.251	70	9325	2.604	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140855.D
Acq On : 16 Dec 2024 12:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Dec 16 16:45:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	79655	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	306130	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	181131	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	379227	20.000	ng		0.00
76) Chrysene-d12	14.021	240	302472	20.000	ng		-0.01
86) Perylene-d12	15.527	264	241868	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	48219	9.965	ng		0.00
7) Phenol-d6	6.498	99	67396	10.516	ng		0.00
23) Nitrobenzene-d5	7.410	82	62104	10.150	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	21315	9.950	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	141311	10.726	ng		0.00
79) Terphenyl-d14	12.951	244	204731	10.673	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	10891	5.225	ng		93
3) Pyridine	3.446	79	23956	4.963	ng		98
4) n-Nitrosodimethylamine	3.363	42	11912	4.895	ng		94
6) Aniline	6.516	93	28034	5.116	ng		96
8) 2-Chlorophenol	6.645	128	26751	5.070	ng		97
9) Benzaldehyde	6.410	77	20868	5.876	ng		98
10) Phenol	6.510	94	34967	5.264	ng		90
11) bis(2-Chloroethyl)ether	6.581	93	25426	5.133	ng		97
12) 1,3-Dichlorobenzene	6.787	146	31542	5.246	ng		99
13) 1,4-Dichlorobenzene	6.863	146	32009	5.245	ng		99
14) 1,2-Dichlorobenzene	7.016	146	30294	5.261	ng		97
15) Benzyl Alcohol	6.998	79	22831	4.982	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.116	45	31121	5.333	ng		84
17) 2-Methylphenol	7.116	107	21534	5.112	ng		94
18) Hexachloroethane	7.351	117	11948	5.259	ng		98
19) n-Nitroso-di-n-propyla...	7.251	70	20518	5.337	ng		99
20) 3+4-Methylphenols	7.275	107	29921	5.356	ng	#	72
22) Acetophenone	7.257	105	40223	5.252	ng		94
24) Nitrobenzene	7.428	77	31964	5.099	ng		99
25) Isophorone	7.669	82	52133	5.085	ng		99
26) 2-Nitrophenol	7.751	139	13994	4.847	ng		99
27) 2,4-Dimethylphenol	7.792	122	16915	5.017	ng		96
28) bis(2-Chloroethoxy)met...	7.875	93	32959	5.147	ng		97
29) 2,4-Dichlorophenol	8.010	162	22982	4.937	ng		98
30) 1,2,4-Trichlorobenzene	8.069	180	27533	5.160	ng		99
31) Naphthalene	8.145	128	87082	5.179	ng		99
33) 4-Chloroaniline	8.210	127	28431	5.091	ng		97
34) Hexachlorobutadiene	8.263	225	18296	5.096	ng		99
35) Caprolactam	8.551	113	6533	4.714	ng		98
36) 4-Chloro-3-methylphenol	8.698	107	26136	4.989	ng		100
37) 2-Methylnaphthalene	8.839	142	56964	5.121	ng		99
38) 1-Methylnaphthalene	8.939	142	57978	5.270	ng		100
40) 1,2,4,5-Tetrachloroben...	9.004	216	28167	5.059	ng		97
43) 2,4,6-Trichlorophenol	9.128	196	15756	4.622	ng		99
44) 2,4,5-Trichlorophenol	9.186	196	18698	4.990	ng		94
46) 1,1'-Biphenyl	9.298	154	75993	5.276	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

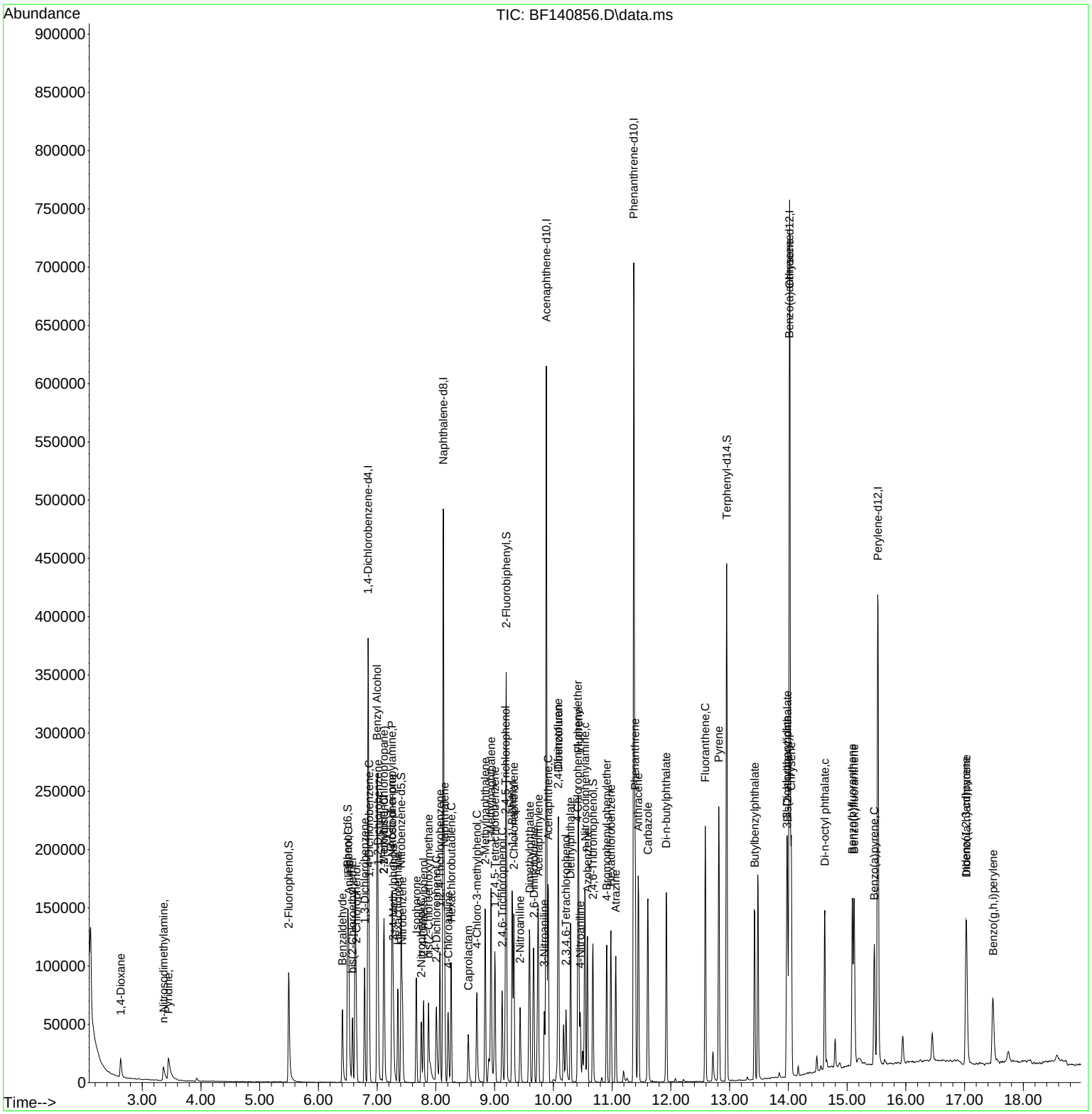
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) 2-Chloronaphthalene	9.328	162	55976	5.080	ng		98
48) 2-Nitroaniline	9.433	65	15829	4.757	ng		98
49) Acenaphthylene	9.745	152	84871	5.241	ng		99
50) Dimethylphthalate	9.598	163	64810	5.075	ng		99
51) 2,6-Dinitrotoluene	9.669	165	14507	4.969	ng		99
52) Acenaphthene	9.910	154	55626	5.378	ng		98
53) 3-Nitroaniline	9.845	138	14583	5.034	ng		95
55) Dibenzofuran	10.086	168	86963	5.426	ng		97
57) 2,4-Dinitrotoluene	10.081	165	19701	5.129	ng	#	91
58) Fluorene	10.428	166	71243	5.388	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	13434	4.400	ng		95
60) Diethylphthalate	10.292	149	70725	5.341	ng		100
61) 4-Chlorophenyl-phenyle...	10.416	204	35304	5.315	ng		99
62) 4-Nitroaniline	10.457	138	14883	4.916	ng		99
63) Azobenzene	10.580	77	67111	5.391	ng		98
66) n-Nitrosodiphenylamine	10.539	169	60581	5.196	ng		98
67) 4-Bromophenyl-phenylether	10.910	248	21332	5.028	ng		98
68) Hexachlorobenzene	10.980	284	24367	5.066	ng		97
69) Atrazine	11.063	200	18943	5.817	ng		98
71) Phenanthrene	11.392	178	106671	5.470	ng		99
72) Anthracene	11.445	178	103428	5.385	ng		100
73) Carbazole	11.610	167	102961	5.473	ng		99
74) Di-n-butylphthalate	11.922	149	118050	5.347	ng		99
75) Fluoranthene	12.586	202	129330	5.758	ng		99
78) Pyrene	12.816	202	143947	5.352	ng		99
80) Butylbenzylphthalate	13.427	149	49136	4.965	ng		99
81) Benzo(a)anthracene	14.016	228	112964	5.270	ng		99
82) 3,3'-Dichlorobenzidine	13.974	252	32405	5.010	ng		98
83) Chrysene	14.051	228	102933	5.280	ng		99
84) Bis(2-ethylhexyl)phtha...	13.986	149	60799	4.764	ng		99
85) Di-n-octyl phthalate	14.621	149	95835	4.964	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	68314	4.526	ng		99
88) Benzo(b)fluoranthene	15.092	252	87940	5.238	ng		100
89) Benzo(k)fluoranthene	15.121	252	79696	5.534	ng		99
90) Benzo(a)pyrene	15.463	252	66476	5.057	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	55222	4.416	ng		98
92) Benzo(g,h,i)perylene	17.486	276	58125	4.567	ng		100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140856.D
Acq On : 16 Dec 2024 12:39
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Dec 16 16:46:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	76578	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	298630	20.000	ng		0.00
39) Acenaphthene-d10	9.880	164	192062	20.000	ng		0.00
64) Phenanthrene-d10	11.369	188	358020	20.000	ng		0.00
76) Chrysene-d12	14.027	240	282501	20.000	ng		0.00
86) Perylene-d12	15.533	264	236486	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	94639	20.344	ng		0.00
7) Phenol-d6	6.492	99	127200	20.645	ng		0.00
23) Nitrobenzene-d5	7.410	82	119665	20.048	ng		0.00
42) 2,4,6-Tribromophenol	10.674	330	45327	19.954	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	270749	19.381	ng		0.00
79) Terphenyl-d14	12.951	244	352398	19.670	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	20526	10.244	ng		95
3) Pyridine	3.428	79	45270	9.756	ng		100
4) n-Nitrosodimethylamine	3.351	42	22689	9.699	ng		99
6) Aniline	6.516	93	55946	10.620	ng	#	80
8) 2-Chlorophenol	6.639	128	52812	10.411	ng		97
9) Benzaldehyde	6.404	77	40257	11.792	ng		97
10) Phenol	6.510	94	64718	10.135	ng		91
11) bis(2-Chloroethyl)ether	6.581	93	47546	9.984	ng		97
12) 1,3-Dichlorobenzene	6.786	146	58952	10.199	ng		98
13) 1,4-Dichlorobenzene	6.863	146	61319	10.451	ng		98
14) 1,2-Dichlorobenzene	7.016	146	57259	10.343	ng		97
15) Benzyl Alcohol	6.998	79	43771	9.936	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.122	45	57243	10.204	ng		94
17) 2-Methylphenol	7.110	107	42307	10.446	ng		97
18) Hexachloroethane	7.351	117	22224	10.174	ng		96
19) n-Nitroso-di-n-propyla...	7.251	70	38459	10.406	ng		99
20) 3+4-Methylphenols	7.269	107	57077	10.628	ng	#	84
22) Acetophenone	7.257	105	75049	10.046	ng		96
24) Nitrobenzene	7.428	77	61294	10.024	ng		100
25) Isophorone	7.669	82	100405	10.039	ng		99
26) 2-Nitrophenol	7.751	139	27623	9.808	ng		97
27) 2,4-Dimethylphenol	7.786	122	32852	9.988	ng		94
28) bis(2-Chloroethoxy)met...	7.875	93	61752	9.886	ng		98
29) 2,4-Dichlorophenol	8.004	162	46274	10.191	ng		98
30) 1,2,4-Trichlorobenzene	8.069	180	52790	10.141	ng		99
31) Naphthalene	8.145	128	168002	10.241	ng		99
32) Benzoic acid	7.898	122	25770	8.261	ng		98
33) 4-Chloroaniline	8.204	127	55948	10.269	ng		98
34) Hexachlorobutadiene	8.257	225	35099	10.022	ng		97
35) Caprolactam	8.557	113	13417	9.925	ng		98
36) 4-Chloro-3-methylphenol	8.692	107	51876	10.150	ng		97
37) 2-Methylnaphthalene	8.839	142	109525	10.093	ng		99
38) 1-Methylnaphthalene	8.939	142	110917	10.335	ng		99
40) 1,2,4,5-Tetrachloroben...	9.004	216	55018	9.320	ng		99
41) Hexachlorocyclopentadiene	8.986	237	8781	8.866	ng		99
43) 2,4,6-Trichlorophenol	9.127	196	32555	9.006	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

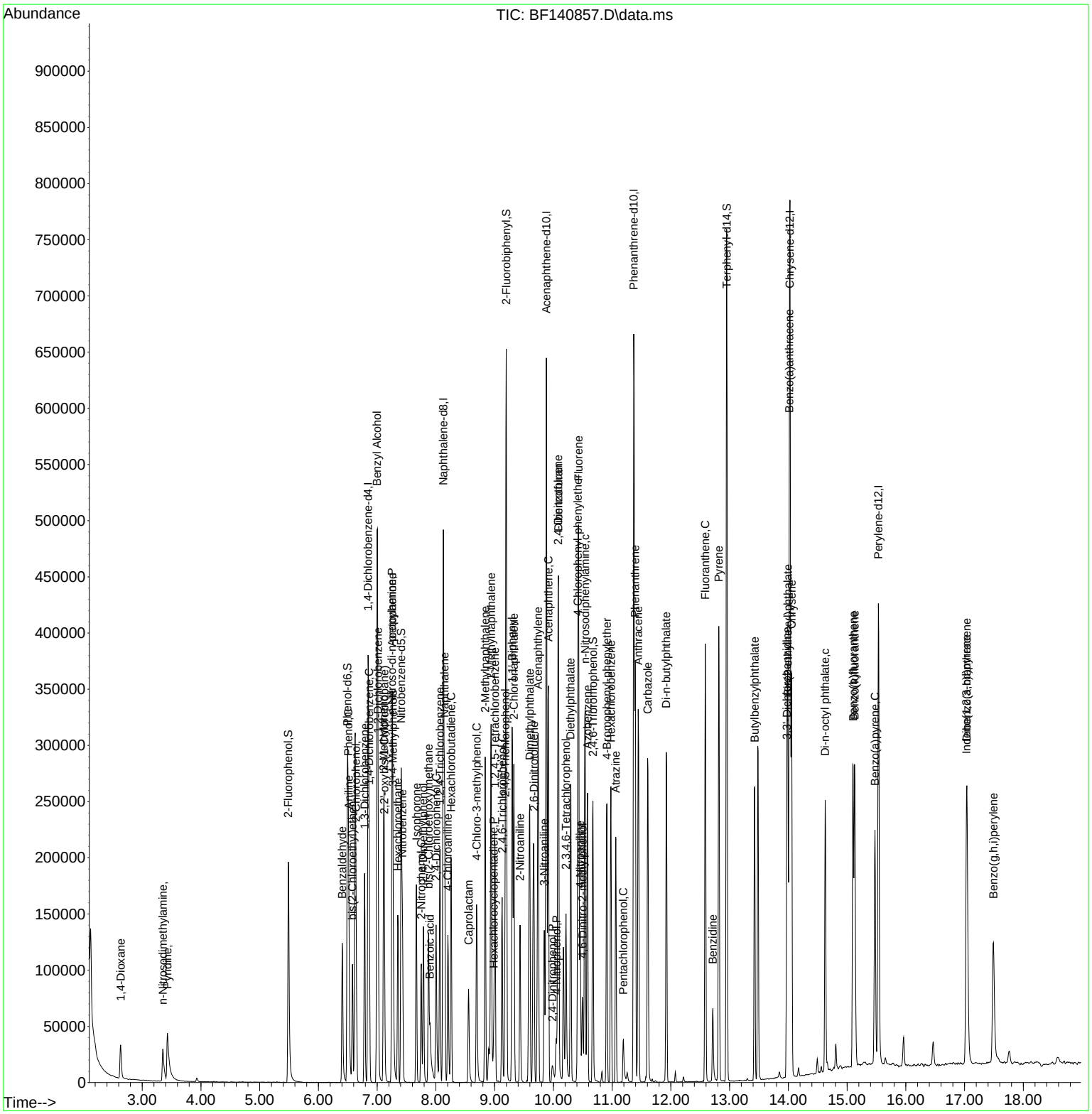
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	35030	8.817	ng	99
46) 1,1'-Biphenyl	9.298	154	145227	9.509	ng	99
47) 2-Chloronaphthalene	9.327	162	111077	9.507	ng	99
48) 2-Nitroaniline	9.433	65	33225	9.416	ng	98
49) Acenaphthylene	9.739	152	174905	10.187	ng	98
50) Dimethylphthalate	9.598	163	131257	9.693	ng	99
51) 2,6-Dinitrotoluene	9.669	165	30431	9.831	ng	97
52) Acenaphthene	9.916	154	114273	10.419	ng	99
53) 3-Nitroaniline	9.845	138	30367	9.885	ng	100
54) 2,4-Dinitrophenol	9.986	184	8488	11.701	ng	95
55) Dibenzofuran	10.086	168	180108	10.598	ng	99
56) 4-Nitrophenol	10.051	139	8781m	9.461	ng	
57) 2,4-Dinitrotoluene	10.080	165	42109	10.339	ng	99
58) Fluorene	10.427	166	146155	10.424	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	29950	9.251	ng	94
60) Diethylphthalate	10.292	149	142484	10.147	ng	100
61) 4-Chlorophenyl-phenyle...	10.416	204	72010	10.224	ng	99
62) 4-Nitroaniline	10.457	138	31962	9.956	ng	98
63) Azobenzene	10.580	77	135524	10.267	ng	98
65) 4,6-Dinitro-2-methylph...	10.498	198	17756	8.752	ng	97
66) n-Nitrosodiphenylamine	10.539	169	121500	11.038	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	44385	11.082	ng	98
68) Hexachlorobenzene	10.980	284	50135	11.040	ng	99
69) Atrazine	11.063	200	36472	11.864	ng	100
70) Pentachlorophenol	11.192	266	11171m	6.725	ng	
71) Phenanthrene	11.392	178	193504	10.510	ng	99
72) Anthracene	11.445	178	190407	10.502	ng	99
73) Carbazole	11.604	167	182199	10.259	ng	100
74) Di-n-butylphthalate	11.921	149	215903	10.359	ng	99
75) Fluoranthene	12.586	202	231038	10.896	ng	100
77) Benzidine	12.716	184	45074	7.818	ng	99
78) Pyrene	12.815	202	242761	9.663	ng	99
80) Butylbenzylphthalate	13.427	149	86987	9.411	ng	98
81) Benzo(a)anthracene	14.015	228	208127	10.395	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	60368	9.994	ng	98
83) Chrysene	14.057	228	181387	9.963	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	113963	9.562	ng	100
85) Di-n-octyl phthalate	14.627	149	165198	9.161	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	138792	9.405	ng	99
88) Benzo(b)fluoranthene	15.104	252	173313	10.558	ng	99
89) Benzo(k)fluoranthene	15.127	252	147840	10.499	ng	99
90) Benzo(a)pyrene	15.474	252	128194	9.973	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	116533	9.532	ng	99
92) Benzo(g,h,i)perylene	17.492	276	114976	9.240	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140857.D
Acq On : 16 Dec 2024 13:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Dec 16 16:47:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.846	152	71395	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	269448	20.000	ng		0.00
39) Acenaphthene-d10	9.881	164	153586	20.000	ng		0.00
64) Phenanthrene-d10	11.375	188	299699	20.000	ng		0.00
76) Chrysene-d12	14.039	240	234229	20.000	ng		0.00
86) Perylene-d12	15.563	264	220576	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	182586	42.100	ng		0.00
7) Phenol-d6	6.493	99	237156	41.285	ng		0.00
23) Nitrobenzene-d5	7.410	82	226356	42.030	ng		0.00
42) 2,4,6-Tribromophenol	10.675	330	74311	40.909	ng		0.00
45) 2-Fluorobiphenyl	9.198	172	472330	42.281	ng		0.00
79) Terphenyl-d14	12.957	244	570640	38.416	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.622	88	38355	20.532	ng		96
3) Pyridine	3.405	79	91704	21.197	ng		99
4) n-Nitrosodimethylamine	3.340	42	44712	20.501	ng		97
6) Aniline	6.516	93	103355	21.043	ng	#	81
8) 2-Chlorophenol	6.640	128	96909	20.490	ng		98
9) Benzaldehyde	6.404	77	70862	22.263	ng		98
10) Phenol	6.510	94	123728	20.782	ng		90
11) bis(2-Chloroethyl)ether	6.581	93	91473	20.602	ng		98
12) 1,3-Dichlorobenzene	6.787	146	111145	20.624	ng		99
13) 1,4-Dichlorobenzene	6.863	146	113006	20.658	ng		98
14) 1,2-Dichlorobenzene	7.016	146	107719	20.870	ng		97
15) Benzyl Alcohol	6.998	79	88251	21.487	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	108472	20.739	ng		89
17) 2-Methylphenol	7.110	107	77132	20.427	ng		97
18) Hexachloroethane	7.351	117	41766	20.509	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	71344	20.705	ng		100
20) 3+4-Methylphenols	7.269	107	102814	20.534	ng	#	88
22) Acetophenone	7.257	105	140187	20.798	ng		98
24) Nitrobenzene	7.434	77	114486	20.750	ng		98
25) Isophorone	7.669	82	185900	20.601	ng		100
26) 2-Nitrophenol	7.751	139	52133	20.516	ng		99
27) 2,4-Dimethylphenol	7.787	122	60750	20.471	ng		98
28) bis(2-Chloroethoxy)met...	7.875	93	115605	20.512	ng		98
29) 2,4-Dichlorophenol	7.998	162	84299	20.575	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	96194	20.481	ng		99
31) Naphthalene	8.151	128	303425	20.500	ng		99
32) Benzoic acid	7.910	122	51770	18.394	ng		97
33) 4-Chloroaniline	8.204	127	101583	20.664	ng		99
34) Hexachlorobutadiene	8.263	225	65803	20.824	ng		99
35) Caprolactam	8.569	113	24344	19.958	ng		98
36) 4-Chloro-3-methylphenol	8.693	107	93611	20.300	ng		98
37) 2-Methylnaphthalene	8.840	142	199492	20.375	ng		100
38) 1-Methylnaphthalene	8.940	142	193053	19.937	ng		100
40) 1,2,4,5-Tetrachloroben...	9.004	216	98517	20.869	ng		99
41) Hexachlorocyclopentadiene	8.987	237	18486	21.391	ng		99
43) 2,4,6-Trichlorophenol	9.128	196	59284	20.509	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	65450	20.600	ng	99
46) 1,1'-Biphenyl	9.304	154	251662	20.606	ng	98
47) 2-Chloronaphthalene	9.328	162	192611	20.615	ng	98
48) 2-Nitroaniline	9.434	65	57140	20.250	ng	99
49) Acenaphthylene	9.745	152	288710	21.027	ng	99
50) Dimethylphthalate	9.598	163	220880	20.399	ng	99
51) 2,6-Dinitrotoluene	9.669	165	50302	20.321	ng	97
52) Acenaphthene	9.916	154	179112	20.422	ng	99
53) 3-Nitroaniline	9.845	138	50453	20.538	ng	100
54) 2,4-Dinitrophenol	9.969	184	16571	19.139	ng	96
55) Dibenzofuran	10.087	168	281092	20.683	ng	98
56) 4-Nitrophenol	10.039	139	20392	19.017	ng	90
57) 2,4-Dinitrotoluene	10.081	165	67570	20.746	ng	100
58) Fluorene	10.434	166	229160	20.439	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	52966	20.459	ng	98
60) Diethylphthalate	10.298	149	229798	20.466	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	116545	20.693	ng	97
62) 4-Nitroaniline	10.457	138	52016	20.263	ng	97
63) Azobenzene	10.581	77	214137	20.286	ng	99
65) 4,6-Dinitro-2-methylph...	10.492	198	32520	19.149	ng	93
66) n-Nitrosodiphenylamine	10.539	169	192873	20.932	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	70804	21.118	ng	99
68) Hexachlorobenzene	10.981	284	80189	21.095	ng	99
69) Atrazine	11.069	200	57872	22.488	ng	99
70) Pentachlorophenol	11.186	266	24650m	17.726	ng	
71) Phenanthrene	11.398	178	321392	20.854	ng	100
72) Anthracene	11.451	178	315664	20.798	ng	99
73) Carbazole	11.610	167	307615	20.692	ng	99
74) Di-n-butylphthalate	11.928	149	369257	21.164	ng	99
75) Fluoranthene	12.586	202	374894	21.122	ng	100
77) Benzidine	12.716	184	93986	19.660	ng	99
78) Pyrene	12.822	202	386539	18.558	ng	99
80) Butylbenzylphthalate	13.427	149	145401	18.972	ng	97
81) Benzo(a)anthracene	14.027	228	332845	20.050	ng	99
82) 3,3'-Dichlorobenzidine	13.986	252	105124	20.989	ng	97
83) Chrysene	14.069	228	319417	21.160	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	204953	20.740	ng	97
85) Di-n-octyl phthalate	14.651	149	315841	21.125	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	293402	21.315	ng	100
88) Benzo(b)fluoranthene	15.121	252	319848	20.890	ng	99
89) Benzo(k)fluoranthene	15.151	252	269871	20.548	ng	99
90) Benzo(a)pyrene	15.498	252	250110	20.861	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	240810	21.117	ng	99
92) Benzo(g,h,i)perylene	17.515	276	241228	20.785	ng	99

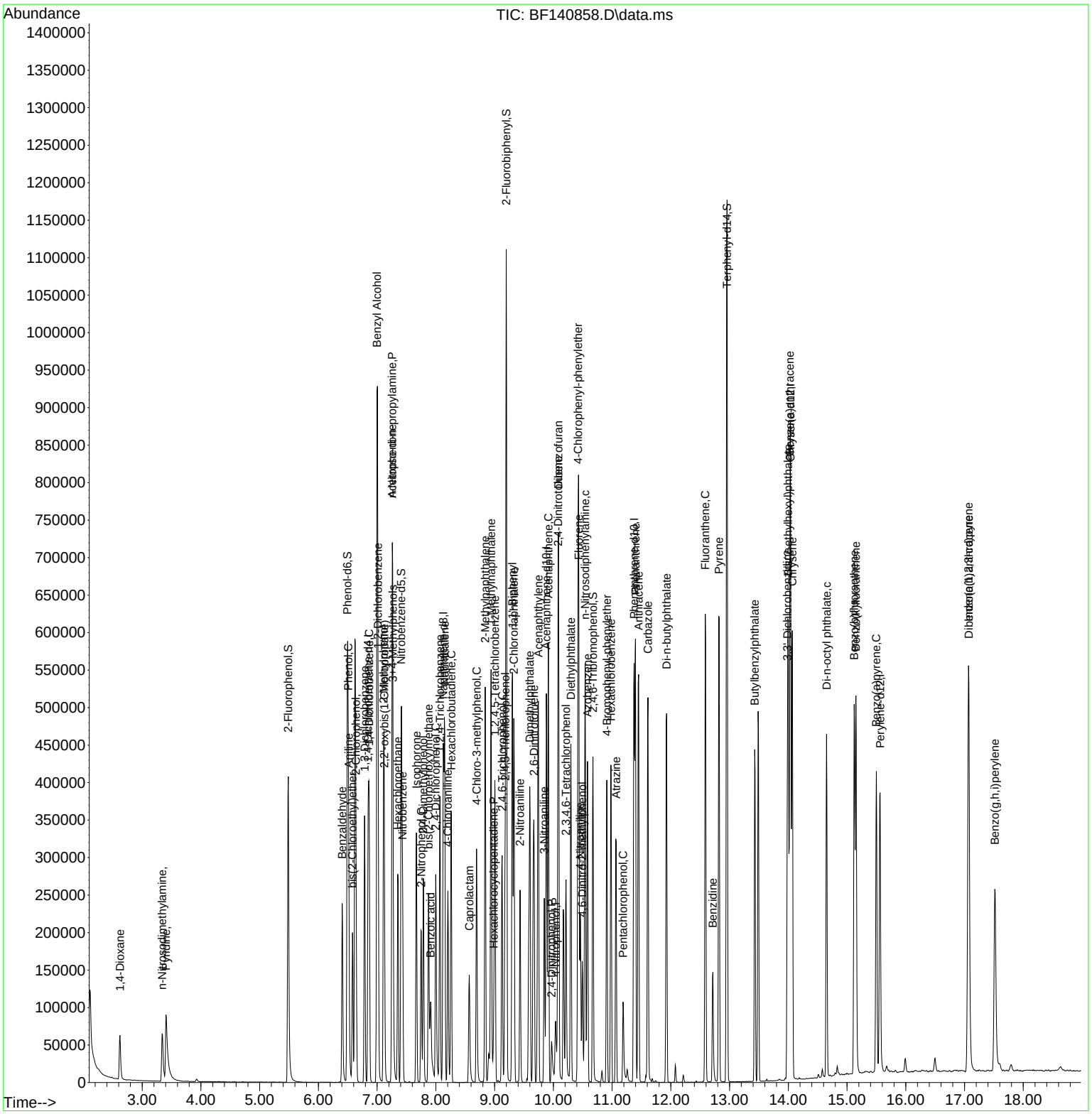
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140858.D
Acq On : 16 Dec 2024 14:00
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Dec 16 16:48:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	77674	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293537	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	179301	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	361848	20.000	ng	0.00
76) Chrysene-d12	14.033	240	241027	20.000	ng	0.00
86) Perylene-d12	15.545	264	202727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	372670	78.982	ng	0.00
7) Phenol-d6	6.498	99	486855	77.902	ng	0.00
23) Nitrobenzene-d5	7.416	82	461011	78.576	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	172188	81.197	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	981889	75.290	ng	0.00
79) Terphenyl-d14	12.957	244	1163098	76.093	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	78111	38.433	ng	100
3) Pyridine	3.405	79	189803	40.326	ng	100
4) n-Nitrosodimethylamine	3.357	42	93747	39.510	ng	100
6) Aniline	6.516	93	213440	39.944	ng	100
8) 2-Chlorophenol	6.646	128	202098	39.277	ng	100
9) Benzaldehyde	6.410	77	134222	38.761	ng	100
10) Phenol	6.510	94	253259	39.100	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	190608	39.459	ng	100
12) 1,3-Dichlorobenzene	6.787	146	228181	38.918	ng	100
13) 1,4-Dichlorobenzene	6.869	146	232493	39.065	ng	100
14) 1,2-Dichlorobenzene	7.022	146	223134	39.737	ng	100
15) Benzyl Alcohol	6.998	79	178597	39.968	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.122	45	223455	39.269	ng	100
17) 2-Methylphenol	7.116	107	161380	39.284	ng	100
18) Hexachloroethane	7.357	117	86395	38.994	ng	100
19) n-Nitroso-di-n-propyla...	7.263	70	143279	38.220	ng	100
20) 3+4-Methylphenols	7.269	107	210531	38.648	ng	100
22) Acetophenone	7.263	105	289650	39.446	ng	100
24) Nitrobenzene	7.434	77	235847	39.238	ng	100
25) Isophorone	7.675	82	381938	38.852	ng	100
26) 2-Nitrophenol	7.751	139	109806	39.666	ng	100
27) 2,4-Dimethylphenol	7.793	122	128970	39.892	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	244652	39.846	ng	100
29) 2,4-Dichlorophenol	7.998	162	175409	39.299	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	200471	39.180	ng	100
31) Naphthalene	8.151	128	626585	38.860	ng	100
32) Benzoic acid	7.940	122	124210	40.510	ng	100
33) 4-Chloroaniline	8.204	127	211976	39.582	ng	100
34) Hexachlorobutadiene	8.263	225	136482	39.646	ng	100
35) Caprolactam	8.587	113	53059	39.930	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	198298	39.473	ng	100
37) 2-Methylnaphthalene	8.839	142	423369	39.693	ng	100
38) 1-Methylnaphthalene	8.939	142	414363	39.281	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	208141	37.768	ng	100
41) Hexachlorocyclopentadiene	8.987	237	50793	39.476	ng	100
43) 2,4,6-Trichlorophenol	9.128	196	130363	38.631	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

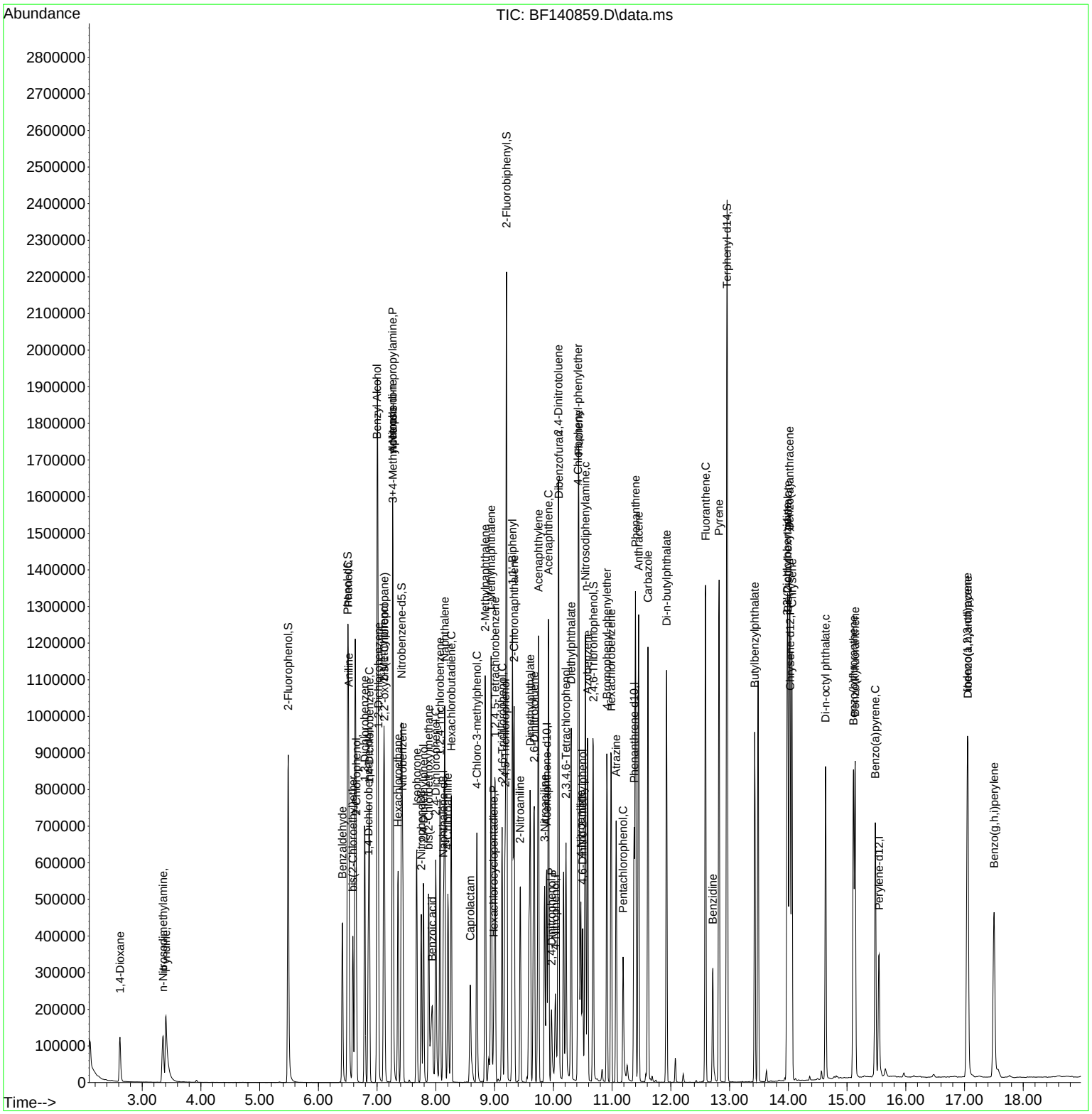
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	142411	38.395	ng	100
46) 1,1'-Biphenyl	9.304	154	542419	38.044	ng	100
47) 2-Chloronaphthalene	9.334	162	419357	38.447	ng	100
48) 2-Nitroaniline	9.434	65	128421	38.984	ng	100
49) Acenaphthylene	9.745	152	621763	38.790	ng	100
50) Dimethylphthalate	9.604	163	487517	38.566	ng	100
51) 2,6-Dinitrotoluene	9.675	165	111990	38.752	ng	100
52) Acenaphthene	9.916	154	398965	38.965	ng	100
53) 3-Nitroaniline	9.851	138	113227	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	47982	37.788	ng	100
55) Dibenzofuran	10.092	168	619833	39.066	ng	100
56) 4-Nitrophenol	10.034	139	59043	40.590	ng	100
57) 2,4-Dinitrotoluene	10.086	165	150199	39.502	ng	100
58) Fluorene	10.434	166	517920	39.568	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	127023	42.028	ng	100
60) Diethylphthalate	10.304	149	516146	39.375	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	256836	39.062	ng	100
62) 4-Nitroaniline	10.469	138	121143	40.423	ng	100
63) Azobenzene	10.581	77	490731	39.821	ng	100
65) 4,6-Dinitro-2-methylph...	10.498	198	84370	41.148	ng	100
66) n-Nitrosodiphenylamine	10.545	169	433296	38.947	ng	100
67) 4-Bromophenyl-phenylether	10.910	248	159117	39.307	ng	100
68) Hexachlorobenzene	10.986	284	177811	38.742	ng	100
69) Atrazine	11.069	200	121493	39.101	ng	100
70) Pentachlorophenol	11.186	266	70638	42.072	ng	100
71) Phenanthrene	11.398	178	711714	38.248	ng	100
72) Anthracene	11.451	178	702321	38.326	ng	100
73) Carbazole	11.610	167	689096	38.392	ng	100
74) Di-n-butylphthalate	11.928	149	816942	38.782	ng	100
75) Fluoranthene	12.592	202	817749	38.159	ng	100
77) Benzidine	12.716	184	194791	39.598	ng	100
78) Pyrene	12.822	202	818937	38.208	ng	100
80) Butylbenzylphthalate	13.427	149	311465	39.493	ng	100
81) Benzo(a)anthracene	14.022	228	654937	38.340	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	198481	38.511	ng	100
83) Chrysene	14.063	228	612484	39.430	ng	100
84) Bis(2-ethylhexyl)phtha...	13.992	149	395970	38.939	ng	100
85) Di-n-octyl phthalate	14.633	149	589634	38.326	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	514416	40.662	ng	100
88) Benzo(b)fluoranthene	15.110	252	524660	37.283	ng	100
89) Benzo(k)fluoranthene	15.139	252	496310	41.115	ng	100
90) Benzo(a)pyrene	15.480	252	435015	39.478	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	428983	40.931	ng	100
92) Benzo(g,h,i)perylene	17.504	276	434898	40.771	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140859.D
Acq On : 16 Dec 2024 14:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Dec 16 16:49:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	76886	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	285955	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	172713	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	351718	20.000	ng	0.00
76) Chrysene-d12	14.033	240	231973	20.000	ng	0.00
86) Perylene-d12	15.527	264	225570	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	473230	101.322	ng	0.00
7) Phenol-d6	6.498	99	605803	97.928	ng	0.00
23) Nitrobenzene-d5	7.422	82	568078	99.392	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	202693	99.228	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1161315	92.444	ng	0.00
79) Terphenyl-d14	12.957	244	1405567	95.545	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	100045	49.730	ng	100
3) Pyridine	3.399	79	234673	50.370	ng	98
4) n-Nitrosodimethylamine	3.363	42	119432	50.851	ng	99
6) Aniline	6.522	93	262131	49.559	ng	90
8) 2-Chlorophenol	6.645	128	252311	49.538	ng	98
9) Benzaldehyde	6.410	77	158111	46.127	ng	99
10) Phenol	6.516	94	315876	49.267	ng	96
11) bis(2-Chloroethyl)ether	6.587	93	237699	49.712	ng	98
12) 1,3-Dichlorobenzene	6.792	146	287366	49.515	ng	98
13) 1,4-Dichlorobenzene	6.869	146	287394	48.784	ng	99
14) 1,2-Dichlorobenzene	7.022	146	269678	48.518	ng	98
15) Benzyl Alcohol	6.998	79	219795	49.692	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	276410	49.072	ng	94
17) 2-Methylphenol	7.116	107	199766	49.127	ng	99
18) Hexachloroethane	7.357	117	107131	48.849	ng	99
19) n-Nitroso-di-n-propyla...	7.269	70	180295	48.587	ng	99
20) 3+4-Methylphenols	7.269	107	261470	48.491	ng	94
22) Acetophenone	7.263	105	354645	49.578	ng	99
24) Nitrobenzene	7.439	77	291463	49.777	ng	99
25) Isophorone	7.675	82	474812	49.580	ng	99
26) 2-Nitrophenol	7.751	139	136187	50.500	ng	98
27) 2,4-Dimethylphenol	7.792	122	156314	49.632	ng	97
28) bis(2-Chloroethoxy)met...	7.881	93	299078	50.002	ng	99
29) 2,4-Dichlorophenol	7.998	162	215069	49.463	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	244191	48.990	ng	98
31) Naphthalene	8.151	128	779270	49.610	ng	100
32) Benzoic acid	7.951	122	157548	52.746	ng	100
33) 4-Chloroaniline	8.210	127	255688	49.011	ng	99
34) Hexachlorobutadiene	8.263	225	166884	49.763	ng	99
35) Caprolactam	8.592	113	63631	49.156	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	237414	48.512	ng	98
37) 2-Methylnaphthalene	8.839	142	500202	48.139	ng	100
38) 1-Methylnaphthalene	8.939	142	490420	47.724	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	248636	46.837	ng	99
41) Hexachlorocyclopentadiene	8.992	237	70543	50.029	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	154361	47.487	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

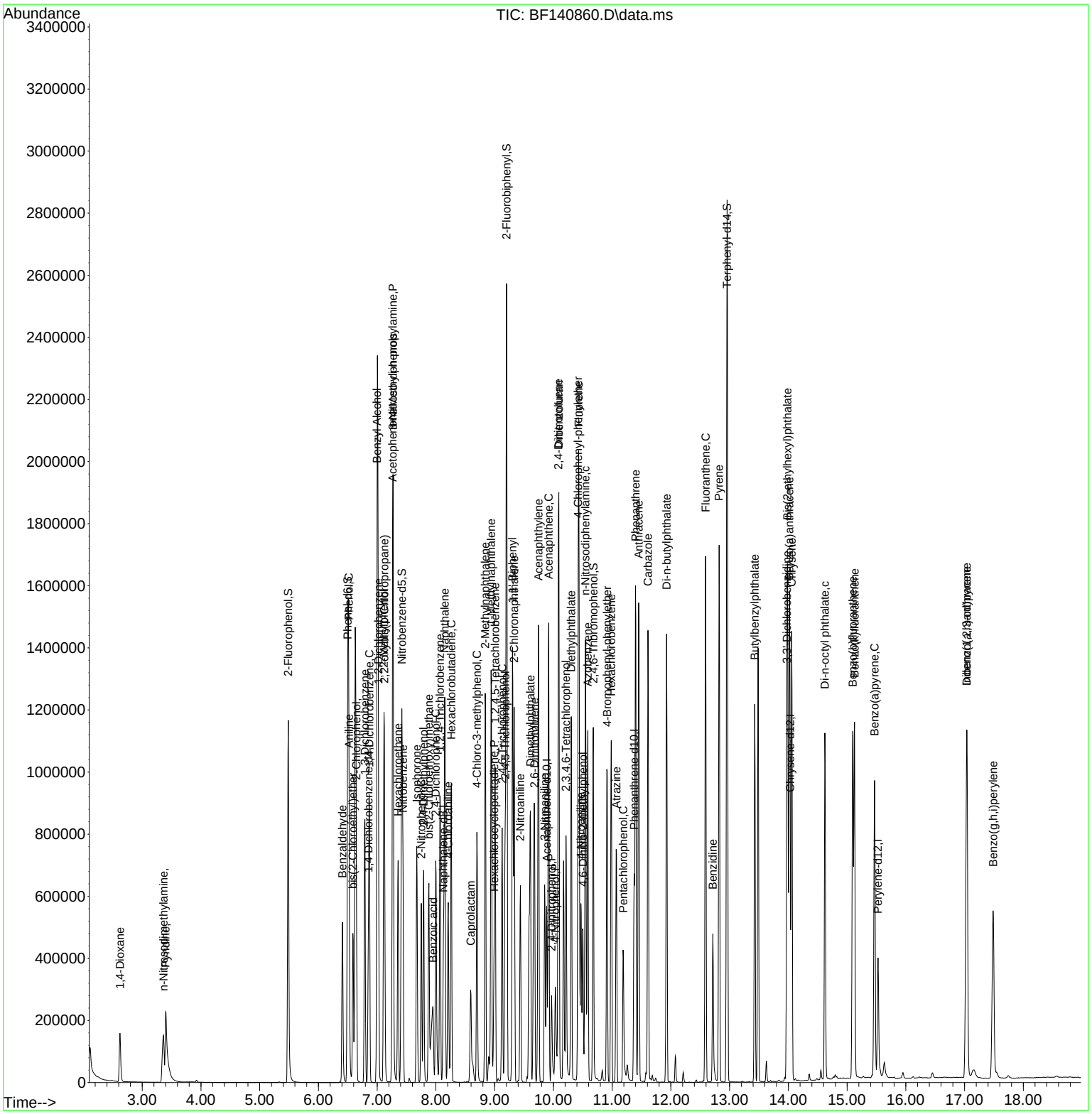
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	170411	47.697	ng	99
46) 1,1'-Biphenyl	9.304	154	631768	46.001	ng	99
47) 2-Chloronaphthalene	9.333	162	485339	46.194	ng	98
48) 2-Nitroaniline	9.439	65	147104	46.359	ng	96
49) Acenaphthylene	9.745	152	732431	47.437	ng	100
50) Dimethylphthalate	9.610	163	564903	46.392	ng	99
51) 2,6-Dinitrotoluene	9.680	165	130941	47.039	ng	97
52) Acenaphthene	9.922	154	475150	48.175	ng	100
53) 3-Nitroaniline	9.851	138	140148	50.732	ng	99
54) 2,4-Dinitrophenol	9.969	184	62738	48.955	ng	99
55) Dibenzofuran	10.092	168	736252	48.174	ng	100
56) 4-Nitrophenol	10.033	139	72965	50.818	ng	96
57) 2,4-Dinitrotoluene	10.086	165	181952	49.679	ng	99
58) Fluorene	10.433	166	617054	48.940	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	153671	52.784	ng	100
60) Diethylphthalate	10.304	149	624564	49.463	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	313978	49.574	ng	99
62) 4-Nitroaniline	10.469	138	148255	51.356	ng	99
63) Azobenzene	10.586	77	586556	49.412	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	103510	51.936	ng	98
66) n-Nitrosodiphenylamine	10.545	169	520491	48.132	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	188429	47.888	ng	97
68) Hexachlorobenzene	10.986	284	215259	48.252	ng	99
69) Atrazine	11.075	200	134376	44.493	ng	99
70) Pentachlorophenol	11.192	266	89834	55.046	ng	99
71) Phenanthrene	11.398	178	868333	48.009	ng	99
72) Anthracene	11.451	178	860045	48.285	ng	99
73) Carbazole	11.610	167	854710	48.990	ng	99
74) Di-n-butylphthalate	11.927	149	1041587	50.870	ng	100
75) Fluoranthene	12.592	202	1000374	48.026	ng	99
77) Benzidine	12.716	184	285677	60.340	ng	99
78) Pyrene	12.821	202	1021434	49.516	ng	100
80) Butylbenzylphthalate	13.427	149	389705	51.343	ng	99
81) Benzo(a)anthracene	14.015	228	804868	48.956	ng	100
82) 3,3'-Dichlorobenzidine	13.974	252	250344	50.470	ng	99
83) Chrysene	14.057	228	727490	48.661	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	495633	50.642	ng	100
85) Di-n-octyl phthalate	14.621	149	777794	52.530	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	625642	44.446	ng	99
88) Benzo(b)fluoranthene	15.098	252	712222	45.486	ng	99
89) Benzo(k)fluoranthene	15.127	252	644153	47.959	ng	99
90) Benzo(a)pyrene	15.468	252	595306	48.554	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	517904	44.411	ng	99
92) Benzo(g,h,i)perylene	17.486	276	532268	44.846	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140860.D
Acq On : 16 Dec 2024 15:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Dec 16 16:50:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	71125	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	259532	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	148549	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	283911	20.000	ng	0.00
76) Chrysene-d12	14.033	240	189956	20.000	ng	0.00
86) Perylene-d12	15.527	264	161062	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	530122	122.696	ng	0.00
7) Phenol-d6	6.504	99	692405	120.993	ng	0.00
23) Nitrobenzene-d5	7.422	82	646998	124.724	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	216378	123.158	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1287749	119.184	ng	0.00
79) Terphenyl-d14	12.963	244	1435829	119.191	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	112534	60.469	ng	99
3) Pyridine	3.398	79	263425	61.121	ng	98
4) n-Nitrosodimethylamine	3.363	42	138309	63.658	ng	100
6) Aniline	6.522	93	292063	59.690	ng	95
8) 2-Chlorophenol	6.645	128	288270	61.183	ng	97
9) Benzaldehyde	6.410	77	170596	53.801	ng	99
10) Phenol	6.516	94	360221	60.734	ng	98
11) bis(2-Chloroethyl)ether	6.592	93	270334	61.117	ng	100
12) 1,3-Dichlorobenzene	6.792	146	326363	60.789	ng	98
13) 1,4-Dichlorobenzene	6.869	146	329906	60.537	ng	100
14) 1,2-Dichlorobenzene	7.022	146	306086	59.529	ng	98
15) Benzyl Alcohol	7.004	79	251539	61.475	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	307981	59.106	ng	89
17) 2-Methylphenol	7.116	107	227597	60.504	ng	100
18) Hexachloroethane	7.357	117	123680	60.962	ng	98
19) n-Nitroso-di-n-propyla...	7.269	70	202582	59.015	ng	99
20) 3+4-Methylphenols	7.275	107	297926	59.728	ng	93
22) Acetophenone	7.269	105	403586	62.164	ng	98
24) Nitrobenzene	7.439	77	334236	62.893	ng	99
25) Isophorone	7.681	82	544844	62.685	ng	100
26) 2-Nitrophenol	7.751	139	156696	64.020	ng	98
27) 2,4-Dimethylphenol	7.792	122	177170	61.982	ng	97
28) bis(2-Chloroethoxy)met...	7.880	93	332048	61.166	ng	98
29) 2,4-Dichlorophenol	8.004	162	246376	62.432	ng	99
30) 1,2,4-Trichlorobenzene	8.075	180	281649	62.258	ng	100
31) Naphthalene	8.151	128	874776	61.360	ng	100
32) Benzoic acid	7.957	122	184163	67.933	ng	98
33) 4-Chloroaniline	8.210	127	282583	59.681	ng	99
34) Hexachlorobutadiene	8.263	225	185962	61.097	ng	99
35) Caprolactam	8.604	113	71386	60.761	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	266211	59.935	ng	100
37) 2-Methylnaphthalene	8.845	142	559572	59.336	ng	100
38) 1-Methylnaphthalene	8.945	142	550027	58.973	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	277082	60.686	ng	100
41) Hexachlorocyclopentadiene	8.992	237	81340	60.032	ng	99
43) 2,4,6-Trichlorophenol	9.127	196	176148	63.005	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

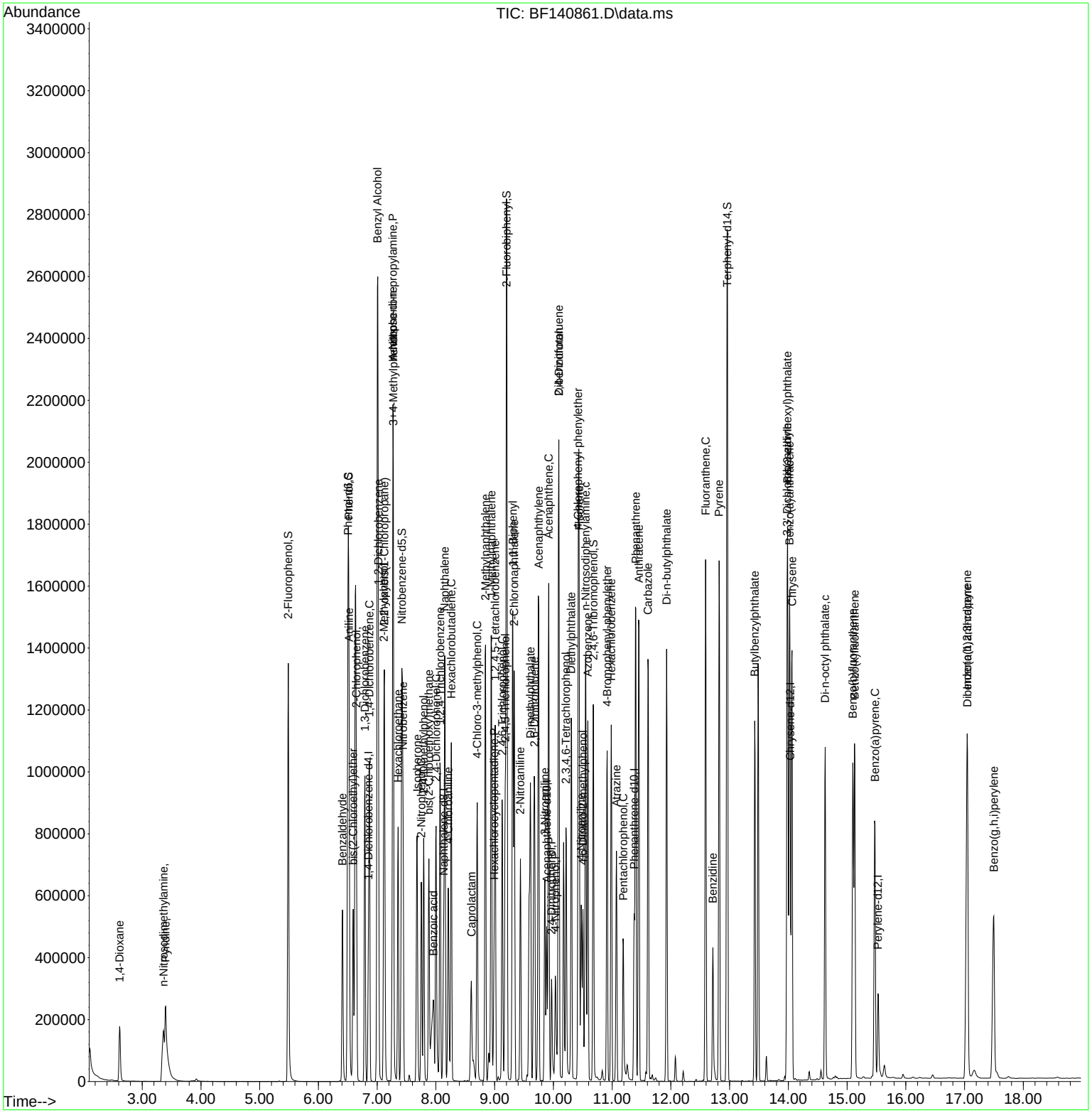
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	189802	61.766	ng	99
46) 1,1'-Biphenyl	9.310	154	701999	59.429	ng	99
47) 2-Chloronaphthalene	9.333	162	537602	59.491	ng	98
48) 2-Nitroaniline	9.439	65	168378	61.695	ng	98
49) Acenaphthylene	9.751	152	794616	59.836	ng	100
50) Dimethylphthalate	9.610	163	631578	60.305	ng	99
51) 2,6-Dinitrotoluene	9.680	165	143106	59.771	ng	100
52) Acenaphthene	9.922	154	511499	60.297	ng	100
53) 3-Nitroaniline	9.857	138	144867	60.971	ng	99
54) 2,4-Dinitrophenol	9.969	184	71344	62.619	ng	98
55) Dibenzofuran	10.092	168	778085	59.193	ng	99
56) 4-Nitrophenol	10.033	139	78468	62.429	ng	94
57) 2,4-Dinitrotoluene	10.092	165	189784	60.246	ng	98
58) Fluorene	10.439	166	634898	58.546	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.216	232	158455	63.281	ng	99
60) Diethylphthalate	10.304	149	651190	59.961	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	324333	59.539	ng	100
62) 4-Nitroaniline	10.474	138	150990	60.812	ng	98
63) Azobenzene	10.586	77	594674	58.245	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	109821	68.263	ng	97
66) n-Nitrosodiphenylamine	10.551	169	532978	61.058	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	196628	61.907	ng	97
68) Hexachlorobenzene	10.986	284	219687	61.005	ng	98
69) Atrazine	11.074	200	134000	54.965	ng	99
70) Pentachlorophenol	11.192	266	90656	68.816	ng	99
71) Phenanthrene	11.404	178	863112	59.118	ng	99
72) Anthracene	11.457	178	851368	59.213	ng	99
73) Carbazole	11.610	167	826415	58.682	ng	99
74) Di-n-butylphthalate	11.927	149	1009898	61.102	ng	99
75) Fluoranthene	12.592	202	1000773	59.520	ng	100
77) Benzidine	12.715	184	258833	66.762	ng	99
78) Pyrene	12.821	202	1008093	59.679	ng	100
80) Butylbenzylphthalate	13.427	149	387906	62.410	ng	99
81) Benzo(a)anthracene	14.021	228	808026	60.019	ng	99
82) 3,3'-Dichlorobenzidine	13.980	252	254358	62.622	ng	97
83) Chrysene	14.062	228	731004	59.712	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	507221	63.289	ng	99
85) Di-n-octyl phthalate	14.627	149	754409	62.220	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	642591	63.934	ng	100
88) Benzo(b)fluoranthene	15.098	252	696582	62.306	ng	99
89) Benzo(k)fluoranthene	15.127	252	571329	59.574	ng	99
90) Benzo(a)pyrene	15.474	252	542075	61.920	ng	99
91) Dibenzo(a,h)anthracene	17.050	278	539476	64.789	ng	98
92) Benzo(g,h,i)perylene	17.498	276	530525	62.602	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140861.D
Acq On : 16 Dec 2024 15:49
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Dec 16 16:51:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	82694	20.000	ng		0.00
21) Naphthalene-d8	8.134	136	323165	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	169321	20.000	ng		0.00
64) Phenanthrene-d10	11.375	188	364516	20.000	ng		0.00
76) Chrysene-d12	14.033	240	182739	20.000	ng		0.00
86) Perylene-d12	15.539	264	171569	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	732058	145.730	ng		0.00
7) Phenol-d6	6.510	99	982302	147.637	ng		0.01
23) Nitrobenzene-d5	7.428	82	947083	146.623	ng		0.01
42) 2,4,6-Tribromophenol	10.686	330	304721	152.164	ng		0.00
45) 2-Fluorobiphenyl	9.210	172	2054327	166.807	ng		0.00
79) Terphenyl-d14	12.963	244	2018997	174.221	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.616	88	162832	75.255	ng		98
3) Pyridine	3.399	79	375906	75.017	ng		99
4) n-Nitrosodimethylamine	3.375	42	194050	76.818	ng		97
6) Aniline	6.528	93	399627	70.247	ng		92
8) 2-Chlorophenol	6.651	128	406710	74.245	ng		99
9) Benzaldehyde	6.410	77	219459	59.528	ng		99
10) Phenol	6.522	94	507289	73.564	ng		100
11) bis(2-Chloroethyl)ether	6.593	93	389038	75.649	ng		99
12) 1,3-Dichlorobenzene	6.792	146	461108	73.871	ng		99
13) 1,4-Dichlorobenzene	6.869	146	462233	72.952	ng		99
14) 1,2-Dichlorobenzene	7.022	146	437177	73.129	ng		98
15) Benzyl Alcohol	7.004	79	349382	73.442	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	449685	74.228	ng		85
17) 2-Methylphenol	7.122	107	328432	75.095	ng		99
18) Hexachloroethane	7.357	117	176920	75.005	ng		98
19) n-Nitroso-di-n-propyla...	7.275	70	288752	72.349	ng		99
20) 3+4-Methylphenols	7.275	107	421165	72.622	ng		97
22) Acetophenone	7.269	105	576358	71.295	ng	#	99
24) Nitrobenzene	7.445	77	484693	73.246	ng		98
25) Isophorone	7.681	82	815074	75.310	ng		99
26) 2-Nitrophenol	7.757	139	232926	76.426	ng		98
27) 2,4-Dimethylphenol	7.798	122	270864	76.101	ng		98
28) bis(2-Chloroethoxy)met...	7.881	93	508754	75.263	ng		98
29) 2,4-Dichlorophenol	8.004	162	374434	76.199	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	420429	74.635	ng		99
31) Naphthalene	8.157	128	1318982	74.301	ng		100
32) Benzoic acid	7.969	122	284705	84.342	ng		98
33) 4-Chloroaniline	8.216	127	451539	76.586	ng		99
34) Hexachlorobutadiene	8.263	225	282790	74.615	ng		99
35) Caprolactam	8.616	113	125537m	85.813	ng		
36) 4-Chloro-3-methylphenol	8.704	107	449654	81.301	ng		97
37) 2-Methylnaphthalene	8.845	142	942892	80.295	ng		100
38) 1-Methylnaphthalene	8.945	142	925535	79.695	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	466438	89.625	ng		99
41) Hexachlorocyclopentadiene	8.992	237	149909	80.025	ng		99
43) 2,4,6-Trichlorophenol	9.134	196	301828	94.714	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration

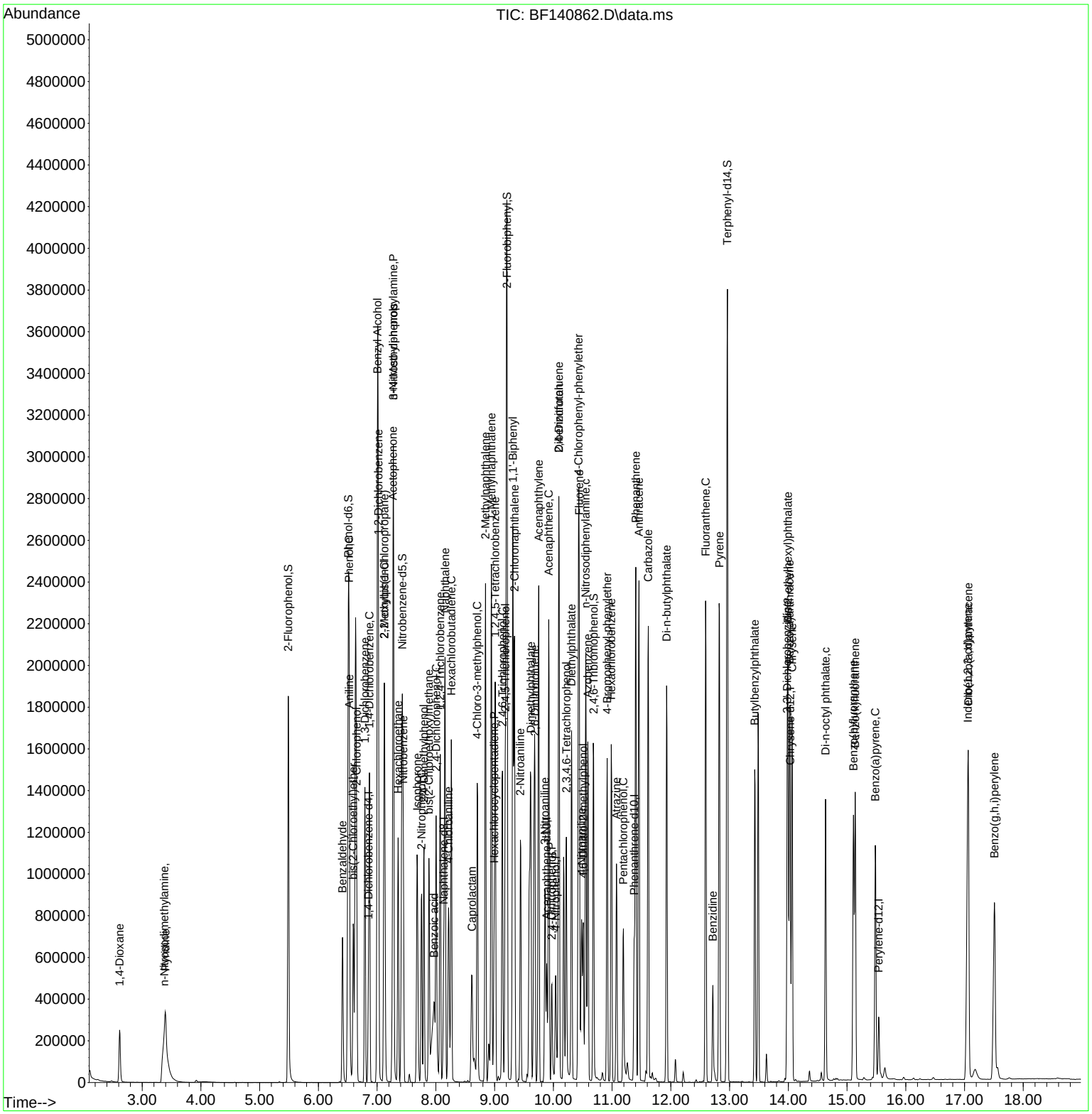
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	321402	91.760	ng	99
46) 1,1'-Biphenyl	9.310	154	1186930	88.155	ng	99
47) 2-Chloronaphthalene	9.339	162	927799	90.075	ng	99
48) 2-Nitroaniline	9.439	65	289810	93.162	ng	99
49) Acenaphthylene	9.751	152	1169747	77.278	ng	100
50) Dimethylphthalate	9.616	163	1049196	87.890	ng	100
51) 2,6-Dinitrotoluene	9.686	165	240439	88.104	ng	95
52) Acenaphthene	9.922	154	710789	73.511	ng	100
53) 3-Nitroaniline	9.857	138	208004	76.804	ng	98
54) 2,4-Dinitrophenol	9.975	184	106230	79.797	ng	95
55) Dibenzofuran	10.092	168	1071923	71.543	ng	100
56) 4-Nitrophenol	10.039	139	112972	77.685	ng	96
57) 2,4-Dinitrotoluene	10.092	165	263636	73.423	ng	99
58) Fluorene	10.439	166	904163	73.147	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	230812	80.870	ng	99
60) Diethylphthalate	10.310	149	911868	73.664	ng	100
61) 4-Chlorophenyl-phenyle...	10.428	204	456754	73.562	ng	97
62) 4-Nitroaniline	10.480	138	216635	76.547	ng	99
63) Azobenzene	10.586	77	862457	74.110	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	158996	76.975	ng	98
66) n-Nitrosodiphenylamine	10.551	169	767906	68.519	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	279941	68.648	ng	99
68) Hexachlorobenzene	10.986	284	324661	70.220	ng	97
69) Atrazine	11.075	200	185877	59.385	ng	99
70) Pentachlorophenol	11.192	266	153999	91.050	ng	100
71) Phenanthrene	11.404	178	1365579	72.850	ng	99
72) Anthracene	11.457	178	1361788	73.769	ng	99
73) Carbazole	11.616	167	1341097	74.170	ng	100
74) Di-n-butylphthalate	11.927	149	1410986	66.492	ng	100
75) Fluoranthene	12.592	202	1374862	63.687	ng	98
77) Benzidine	12.716	184	276230	74.064	ng	99
78) Pyrene	12.827	202	1423860	87.621	ng	100
80) Butylbenzylphthalate	13.427	149	508497	85.043	ng	97
81) Benzo(a)anthracene	14.021	228	1001035	77.292	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	291736	74.661	ng	99
83) Chrysene	14.063	228	881398	74.840	ng	100
84) Bis(2-ethylhexyl)phtha...	13.992	149	624744	81.032	ng	99
85) Di-n-octyl phthalate	14.633	149	922920	79.125	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	957167	89.400	ng	100
88) Benzo(b)fluoranthene	15.110	252	925999	77.753	ng	99
89) Benzo(k)fluoranthene	15.139	252	683254	66.881	ng	99
90) Benzo(a)pyrene	15.480	252	714906	76.662	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	792175	89.311	ng	99
92) Benzo(g,h,i)perylene	17.509	276	840468	93.101	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140862.D
Acq On : 16 Dec 2024 16:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Dec 16 16:52:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:38:27 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88035	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	361248	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	202013	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	381984	20.000	ng	0.00
76) Chrysene-d12	14.021	240	236413	20.000	ng	-0.01
86) Perylene-d12	15.504	264	217277	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	407420	76.184	ng	0.00
7) Phenol-d6	6.498	99	539951	76.229	ng	0.00
23) Nitrobenzene-d5	7.416	82	544482	75.408	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	161969	67.791	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1108356	75.432	ng	0.00
79) Terphenyl-d14	12.957	244	1126061	75.108	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.605	88	74540	32.360	ng	99
3) Pyridine	3.387	79	186082	34.882	ng	99
4) n-Nitrosodimethylamine	3.340	42	91392	33.984	ng	99
6) Aniline	6.516	93	240098	39.644	ng	96
8) 2-Chlorophenol	6.640	128	226045	38.761	ng	95
9) Benzaldehyde	6.404	77	158915	40.491	ng	99
10) Phenol	6.510	94	283984	38.683	ng	100
11) bis(2-Chloroethyl)ether	6.587	93	216280	39.504	ng	100
12) 1,3-Dichlorobenzene	6.787	146	259904	39.111	ng	99
13) 1,4-Dichlorobenzene	6.863	146	268094	39.745	ng	98
14) 1,2-Dichlorobenzene	7.022	146	251561	39.527	ng	98
15) Benzyl Alcohol	6.998	79	201477	39.782	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.122	45	264233	40.970	ng	97
17) 2-Methylphenol	7.116	107	187119	40.189	ng	99
18) Hexachloroethane	7.357	117	99360	39.568	ng	100
19) n-Nitroso-di-n-propyla...	7.263	70	169362	39.861	ng	100
20) 3+4-Methylphenols	7.269	107	246929	39.995	ng	98
22) Acetophenone	7.263	105	330166	36.536	ng	99
24) Nitrobenzene	7.434	77	279878	37.836	ng	99
25) Isophorone	7.675	82	462528	38.231	ng	100
26) 2-Nitrophenol	7.751	139	137663	40.407	ng	99
27) 2,4-Dimethylphenol	7.787	122	161001	40.466	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	304778	40.334	ng	98
29) 2,4-Dichlorophenol	7.998	162	217841	39.658	ng	100
30) 1,2,4-Trichlorobenzene	8.069	180	241375	38.332	ng	100
31) Naphthalene	8.151	128	763453	38.473	ng	99
32) Benzoic acid	7.939	122	159806	42.351	ng	99
33) 4-Chloroaniline	8.204	127	248138	37.650	ng	99
34) Hexachlorobutadiene	8.263	225	154475	36.462	ng	98
35) Caprolactam	8.587	113	59056	36.113	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	219338	35.477	ng	100
37) 2-Methylnaphthalene	8.839	142	490114	37.337	ng	99
38) 1-Methylnaphthalene	8.939	142	479930	36.969	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	240096	38.668	ng	100
41) Hexachlorocyclopentadiene	8.986	237	53352	37.672	ng	98
43) 2,4,6-Trichlorophenol	9.128	196	149871	39.419	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	166716	39.895	ng	98
46) 1,1'-Biphenyl	9.304	154	617038	38.412	ng	99
47) 2-Chloronaphthalene	9.334	162	448814	36.522	ng	99
48) 2-Nitroaniline	9.434	65	140999	37.990	ng	99
49) Acenaphthylene	9.745	152	679962	37.651	ng	100
50) Dimethylphthalate	9.604	163	522757	36.704	ng	100
51) 2,6-Dinitrotoluene	9.675	165	122408	37.595	ng	97
52) Acenaphthene	9.916	154	441540	38.275	ng	99
53) 3-Nitroaniline	9.851	138	128348	39.722	ng	98
54) 2,4-Dinitrophenol	9.969	184	50562	35.766	ng	96
55) Dibenzofuran	10.092	168	663435	37.113	ng	100
56) 4-Nitrophenol	10.033	139	63289	38.834	ng	95
57) 2,4-Dinitrotoluene	10.086	165	163115	38.076	ng	99
58) Fluorene	10.433	166	551110	37.370	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	144396	42.405	ng	98
60) Diethylphthalate	10.304	149	560121	37.926	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	277040	37.398	ng	98
62) 4-Nitroaniline	10.469	138	131388	38.912	ng	98
63) Azobenzene	10.581	77	536731	38.657	ng	99
65) 4,6-Dinitro-2-methylph...	10.498	198	90125	41.637	ng	97
66) n-Nitrosodiphenylamine	10.545	169	466366	39.710	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	155245	36.329	ng	99
68) Hexachlorobenzene	10.980	284	179906	37.132	ng	96
69) Atrazine	11.069	200	120830	36.838	ng	98
70) Pentachlorophenol	11.186	266	68516	38.679	ng	97
71) Phenanthrene	11.398	178	747974	38.078	ng	99
72) Anthracene	11.451	178	729685	37.720	ng	99
73) Carbazole	11.610	167	613711	32.390	ng	99
74) Di-n-butylphthalate	11.927	149	751217	33.782	ng	100
75) Fluoranthene	12.592	202	772859	34.163	ng	99
77) Benzidine	12.716	184	176802	36.642	ng	99
78) Pyrene	12.822	202	792874	37.714	ng	99
80) Butylbenzylphthalate	13.427	149	307036	39.692	ng	99
81) Benzo(a)anthracene	14.010	228	679017	40.525	ng	100
82) 3,3'-Dichlorobenzidine	13.969	252	194418	38.459	ng	100
83) Chrysene	14.051	228	574336	37.695	ng	99
84) Bis(2-ethylhexyl)phtha...	13.980	149	408768	40.982	ng	99
85) Di-n-octyl phthalate	14.598	149	617289	40.907	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	539135	39.762	ng	99
88) Benzo(b)fluoranthene	15.074	252	609480	40.410	ng	100
89) Benzo(k)fluoranthene	15.098	252	525272	40.601	ng	99
90) Benzo(a)pyrene	15.439	252	470896	39.873	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	451973	40.237	ng	98
92) Benzo(g,h,i)perylene	17.457	276	418030	36.565	ng	100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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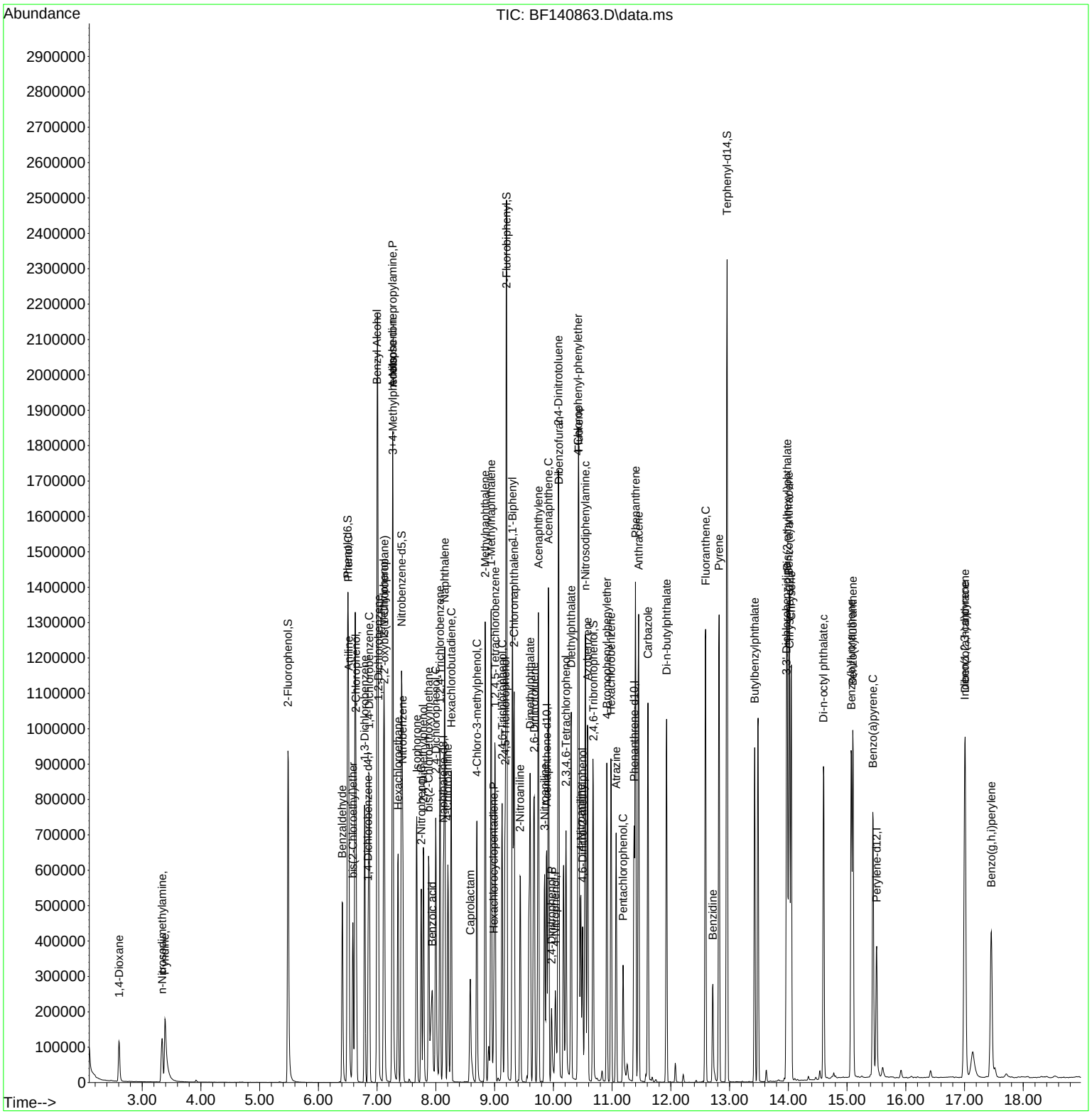

Evaluate Continuing Calibration Report

ICAL Form

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QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
2		1,4-Dioxane	0.523	0.423	19.1	95	-0.02
3		Pyridine	1.212	1.057	12.8	98	-0.02
4		n-Nitrosodimethylamine	0.611	0.519	15.1	97	-0.02
5	S	2-Fluorophenol	1.215	1.157	4.8	109	0.00
6		Aniline	1.376	1.364	0.9	112	0.00
7	S	Phenol-d6	1.609	1.533	4.7	111	0.00
8		2-Chlorophenol	1.325	1.284	3.1	112	0.00
9		Benzaldehyde	0.892	0.903	-1.2	118	0.00
10	C	Phenol	1.668	1.613	3.3	112	0.00
11		bis(2-Chloroethyl)ether	1.244	1.228	1.3	113	0.00
12		1,3-Dichlorobenzene	1.510	1.476	2.3	114	0.00
13	C	1,4-Dichlorobenzene	1.532	1.523	0.6	115	0.00
14		1,2-Dichlorobenzene	1.446	1.429	1.2	113	0.00
15		Benzyl Alcohol	1.151	1.144	0.6	113	0.00
16		2,2'-oxybis(1-Chloropropane	1.465	1.501	-2.5	118	0.00
17		2-Methylphenol	1.058	1.063	-0.5	116	0.00
18		Hexachloroethane	0.570	0.564	1.1	115	0.00
19	P	n-Nitroso-di-n-propylamine	0.965	0.962	0.3	118	0.00
20		3+4-Methylphenols	1.403	1.402	0.1	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	123	0.00
22		Acetophenone	0.500	0.457	8.6	114	0.00
23	S	Nitrobenzene-d5	0.400	0.377	5.8	118	0.00
24		Nitrobenzene	0.410	0.387	5.6	119	0.00
25		Isophorone	0.670	0.640	4.5	121	0.00
26	C	2-Nitrophenol	0.189	0.191	-1.1	125	0.00
27		2,4-Dimethylphenol	0.220	0.223	-1.4	125	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.422	-1.0	125	0.00
29	C	2,4-Dichlorophenol	0.304	0.302	0.7	124	0.00
30		1,2,4-Trichlorobenzene	0.349	0.334	4.3	120	0.00
31		Naphthalene	1.099	1.057	3.8	122	0.00
32		Benzoic acid	0.209	0.221	-5.7	129	0.00
33		4-Chloroaniline	0.365	0.343	6.0	117	0.00
34	C	Hexachlorobutadiene	0.235	0.214	8.9	113	0.00
35		Caprolactam	0.091	0.082	9.9	111	0.00
36	C	4-Chloro-3-methylphenol	0.342	0.304	11.1	111	0.00
37		2-Methylnaphthalene	0.727	0.678	6.7	116	0.00
38		1-Methylnaphthalene	0.719	0.664	7.6	116	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	0.615	0.594	3.4	115	0.00
41	P	Hexachlorocyclopentadiene	0.153	0.132	13.7	105	0.00
42	S	2,4,6-Tribromophenol	0.237	0.200	15.6	94	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.371	1.3	115	0.00
44		2,4,5-Trichlorophenol	0.414	0.413	0.2	117	0.00
45	S	2-Fluorobiphenyl	1.455	1.372	5.7	113	0.00
46		1,1'-Biphenyl	1.590	1.527	4.0	114	0.00
47		2-Chloronaphthalene	1.217	1.111	8.7	107	0.00

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.367	0.349	4.9	110	0.00
49		Acenaphthylene	1.788	1.683	5.9	109	0.00
50		Dimethylphthalate	1.410	1.294	8.2	107	0.00
51		2,6-Dinitrotoluene	0.322	0.303	5.9	109	0.00
52	C	Acenaphthene	1.142	1.093	4.3	111	0.00
53		3-Nitroaniline	0.320	0.318	0.6	113	0.00
54	P	2,4-Dinitrophenol	0.132	0.125	5.3	105	0.00
55		Dibenzofuran	1.770	1.642	7.2	107	0.00
56	P	4-Nitrophenol	0.150	0.157	-4.7	107	0.00
57		2,4-Dinitrotoluene	0.424	0.404	4.7	109	0.00
58		Fluorene	1.460	1.364	6.6	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.337	0.357	-5.9	114	0.00
60		Diethylphthalate	1.462	1.386	5.2	109	0.00
61		4-Chlorophenyl-phenylether	0.733	0.686	6.4	108	0.00
62		4-Nitroaniline	0.334	0.325	2.7	108	0.00
63		Azobenzene	1.375	1.328	3.4	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.118	-4.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.615	0.610	0.8	108	0.00
67		4-Bromophenyl-phenylether	0.224	0.203	9.4	98	0.00
68		Hexachlorobenzene	0.254	0.235	7.5	101	0.00
69		Atrazine	0.172	0.158	8.1	99	0.00
70	C	Pentachlorophenol	0.093	0.090	3.2	97	0.00
71		Phenanthrene	1.028	0.979	4.8	105	0.00
72		Anthracene	1.013	0.955	5.7	104	0.00
73		Carbazole	0.992	0.803	19.1	89	0.00
74		Di-n-butylphthalate	1.164	0.983	15.5	92	0.00
75	C	Fluoranthene	1.184	1.012	14.5	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	-0.01
77		Benzidine	0.408	0.374	8.3	91	0.00
78		Pyrene	1.779	1.677	5.7	97	0.00
79	S	Terphenyl-d14	1.268	1.191	6.1	97	0.00
80		Butylbenzylphthalate	0.654	0.649	0.8	99	0.00
81		Benzo(a)anthracene	1.417	1.436	-1.3	104	-0.01
82		3,3'-Dichlorobenzidine	0.428	0.411	4.0	98	-0.01
83		Chrysene	1.289	1.215	5.7	94	-0.01
84		Bis(2-ethylhexyl)phthalate	0.844	0.865	-2.5	103	-0.01
85	c	Di-n-octyl phthalate	1.277	1.306	-2.3	105	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	107	-0.04
87		Indeno(1,2,3-cd)pyrene	1.248	1.241	0.6	105	-0.05
88		Benzo(b)fluoranthene	1.388	1.403	-1.1	116	-0.04
89		Benzo(k)fluoranthene	1.191	1.209	-1.5	106	-0.04
90	C	Benzo(a)pyrene	1.087	1.084	0.3	108	-0.04
91		Dibenzo(a,h)anthracene	1.034	1.040	-0.6	105	-0.05
92		Benzo(g,h,i)perylene	1.052	0.962	8.6	96	-0.05

ICAL Form

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Data File : BF140863.D
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Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	113	0.00
2		1,4-Dioxane	40.000	32.360	19.1	95	-0.02
3		Pyridine	40.000	34.882	12.8	98	-0.02
4		n-Nitrosodimethylamine	40.000	33.984	15.0	97	-0.02
5	S	2-Fluorophenol	80.000	76.184	4.8	109	0.00
6		Aniline	40.000	39.644	0.9	112	0.00
7	S	Phenol-d6	80.000	76.229	4.7	111	0.00
8		2-Chlorophenol	40.000	38.761	3.1	112	0.00
9		Benzaldehyde	40.000	40.491	-1.2	118	0.00
10	C	Phenol	40.000	38.683	3.3	112	0.00
11		bis(2-Chloroethyl)ether	40.000	39.504	1.2	113	0.00
12		1,3-Dichlorobenzene	40.000	39.111	2.2	114	0.00
13	C	1,4-Dichlorobenzene	40.000	39.745	0.6	115	0.00
14		1,2-Dichlorobenzene	40.000	39.527	1.2	113	0.00
15		Benzyl Alcohol	40.000	39.782	0.5	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.970	-2.4	118	0.00
17		2-Methylphenol	40.000	40.189	-0.5	116	0.00
18		Hexachloroethane	40.000	39.568	1.1	115	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.861	0.3	118	0.00
20		3+4-Methylphenols	40.000	39.995	0.0	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	123	0.00
22		Acetophenone	40.000	36.536	8.7	114	0.00
23	S	Nitrobenzene-d5	80.000	75.408	5.7	118	0.00
24		Nitrobenzene	40.000	37.836	5.4	119	0.00
25		Isophorone	40.000	38.231	4.4	121	0.00
26	C	2-Nitrophenol	40.000	40.407	-1.0	125	0.00
27		2,4-Dimethylphenol	40.000	40.466	-1.2	125	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.334	-0.8	125	0.00
29	C	2,4-Dichlorophenol	40.000	39.658	0.9	124	0.00
30		1,2,4-Trichlorobenzene	40.000	38.332	4.2	120	0.00
31		Naphthalene	40.000	38.473	3.8	122	0.00
32		Benzoic acid	40.000	42.351	-5.9	129	0.00
33		4-Chloroaniline	40.000	37.650	5.9	117	0.00
34	C	Hexachlorobutadiene	40.000	36.462	8.8	113	0.00
35		Caprolactam	40.000	36.113	9.7	111	0.00
36	C	4-Chloro-3-methylphenol	40.000	35.477	11.3	111	0.00
37		2-Methylnaphthalene	40.000	37.337	6.7	116	0.00
38		1-Methylnaphthalene	40.000	36.969	7.6	116	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.668	3.3	115	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.672	5.8	105	0.00
42	S	2,4,6-Tribromophenol	80.000	67.791	15.3	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.419	1.5	115	0.00
44		2,4,5-Trichlorophenol	40.000	39.895	0.3	117	0.00
45	S	2-Fluorobiphenyl	80.000	75.432	5.7	113	0.00
46		1,1'-Biphenyl	40.000	38.412	4.0	114	0.00
47		2-Chloronaphthalene	40.000	36.522	8.7	107	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.990	5.0	110	0.00
49		Acenaphthylene	40.000	37.651	5.9	109	0.00
50		Dimethylphthalate	40.000	36.704	8.2	107	0.00
51		2,6-Dinitrotoluene	40.000	37.595	6.0	109	0.00
52	C	Acenaphthene	40.000	38.275	4.3	111	0.00
53		3-Nitroaniline	40.000	39.722	0.7	113	0.00
54	P	2,4-Dinitrophenol	40.000	35.766	10.6	105	0.00
55		Dibenzofuran	40.000	37.113	7.2	107	0.00
56	P	4-Nitrophenol	40.000	38.834	2.9	107	0.00
57		2,4-Dinitrotoluene	40.000	38.076	4.8	109	0.00
58		Fluorene	40.000	37.370	6.6	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.405	-6.0	114	0.00
60		Diethylphthalate	40.000	37.926	5.2	109	0.00
61		4-Chlorophenyl-phenylether	40.000	37.398	6.5	108	0.00
62		4-Nitroaniline	40.000	38.912	2.7	108	0.00
63		Azobenzene	40.000	38.657	3.4	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.637	-4.1	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.710	0.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	36.329	9.2	98	0.00
68		Hexachlorobenzene	40.000	37.132	7.2	101	0.00
69		Atrazine	40.000	36.838	7.9	99	0.00
70	C	Pentachlorophenol	40.000	38.679	3.3	97	0.00
71		Phenanthrene	40.000	38.078	4.8	105	0.00
72		Anthracene	40.000	37.720	5.7	104	0.00
73		Carbazole	40.000	32.390	19.0	89	0.00
74		Di-n-butylphthalate	40.000	33.782	15.5	92	0.00
75	C	Fluoranthene	40.000	34.163	14.6	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	-0.01
77		Benzidine	40.000	36.642	8.4	91	0.00
78		Pyrene	40.000	37.714	5.7	97	0.00
79	S	Terphenyl-d14	80.000	75.108	6.1	97	0.00
80		Butylbenzylphthalate	40.000	39.692	0.8	99	0.00
81		Benzo(a)anthracene	40.000	40.525	-1.3	104	-0.01
82		3,3'-Dichlorobenzidine	40.000	38.459	3.9	98	-0.01
83		Chrysene	40.000	37.695	5.8	94	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.982	-2.5	103	-0.01
85	c	Di-n-octyl phthalate	40.000	40.907	-2.3	105	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	107	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	39.762	0.6	105	-0.05
88		Benzo(b)fluoranthene	40.000	40.410	-1.0	116	-0.04
89		Benzo(k)fluoranthene	40.000	40.601	-1.5	106	-0.04
90	C	Benzo(a)pyrene	40.000	39.873	0.3	108	-0.04
91		Dibenzo(a,h)anthracene	40.000	40.237	-0.6	105	-0.05
92		Benzo(g,h,i)perylene	40.000	36.565	8.6	96	-0.05

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140863.D
Acq On : 16 Dec 2024 16:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF121624

Quant Time: Dec 16 17:02:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG No.: P5279

Instrument ID: BNA_F Calibration Date/Time: 12/17/2024 09:24

Lab File ID: BF140872.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.279		5.3	
Phenol-d6	1.609	1.590		-1.2	
Nitrobenzene-d5	0.400	0.396		-1.0	
Naphthalene	1.099	1.077		-2.0	
2-Fluorobiphenyl	1.455	1.400		-3.8	
Acenaphthylene	1.788	1.723		-3.6	
Acenaphthene	1.142	1.100		-3.7	20.0
Fluorene	1.460	1.278		-12.5	
2,4,6-Tribromophenol	0.237	0.213		-10.1	
Phenanthrene	1.028	0.993		-3.4	
Anthracene	1.013	0.986		-2.7	
Fluoranthene	1.184	1.109		-6.3	20.0
Pyrene	1.779	1.616		-9.2	
Terphenyl-d14	1.268	1.166		-8.0	
Benzo(a)anthracene	1.417	1.362		-3.9	
Chrysene	1.289	1.257		-2.5	
Benzo(b)fluoranthene	1.388	1.455		4.8	
Benzo(k)fluoranthene	1.191	1.060		-11.0	
Benzo(a)pyrene	1.087	1.062		-2.3	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.445		15.8	
Dibenzo(a,h)anthracene	1.034	1.206		16.6	
Benzo(g,h,i)perylene	1.052	1.208		14.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	80900	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	293024	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	171346	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	305119	20.000	ng	0.00
76) Chrysene-d12	14.027	240	214494	20.000	ng	0.00
86) Perylene-d12	15.521	264	199592	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	413757	84.193	ng	0.00
7) Phenol-d6	6.498	99	514513	79.044	ng	0.00
23) Nitrobenzene-d5	7.416	82	464348	79.283	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	146313	72.199	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	959748	77.008	ng	0.00
79) Terphenyl-d14	12.957	244	1000739	73.570	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.593	88	73928	34.924	ng	99
3) Pyridine	3.375	79	206893	42.204	ng	97
4) n-Nitrosodimethylamine	3.328	42	95781	38.757	ng	93
6) Aniline	6.516	93	216814	38.957	ng	98
8) 2-Chlorophenol	6.646	128	210139	39.211	ng	99
9) Benzaldehyde	6.410	77	141884	39.340	ng	98
10) Phenol	6.510	94	265444	39.347	ng	99
11) bis(2-Chloroethyl)ether	6.587	93	202408	40.231	ng	99
12) 1,3-Dichlorobenzene	6.793	146	240606	39.401	ng	98
13) 1,4-Dichlorobenzene	6.869	146	242952	39.194	ng	99
14) 1,2-Dichlorobenzene	7.022	146	227459	38.892	ng	99
15) Benzyl Alcohol	6.998	79	181928	39.090	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	234637	39.589	ng	98
17) 2-Methylphenol	7.116	107	168251	39.323	ng	99
18) Hexachloroethane	7.357	117	86943	37.677	ng	99
19) n-Nitroso-di-n-propyla...	7.263	70	149405	38.265	ng	100
20) 3+4-Methylphenols	7.269	107	217025	38.252	ng	100
22) Acetophenone	7.263	105	294268	40.145	ng	99
24) Nitrobenzene	7.434	77	236583	39.430	ng	98
25) Isophorone	7.675	82	389913	39.733	ng	100
26) 2-Nitrophenol	7.751	139	110281	39.907	ng	100
27) 2,4-Dimethylphenol	7.793	122	130275	40.367	ng	99
28) bis(2-Chloroethoxy)met...	7.875	93	244546	39.898	ng	99
29) 2,4-Dichlorophenol	7.998	162	175621	39.416	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	202643	39.674	ng	98
31) Naphthalene	8.151	128	631448	39.230	ng	100
32) Benzoic acid	7.934	122	115124	37.613	ng	99
33) 4-Chloroaniline	8.204	127	209212	39.135	ng	99
34) Hexachlorobutadiene	8.263	225	131706	38.326	ng	99
35) Caprolactam	8.587	113	55005	41.467	ng	98
36) 4-Chloro-3-methylphenol	8.698	107	196513	39.186	ng	99
37) 2-Methylnaphthalene	8.840	142	414033	38.885	ng	99
38) 1-Methylnaphthalene	8.940	142	408081	38.753	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	206485	39.207	ng	99
41) Hexachlorocyclopentadiene	8.987	237	37471	33.129	ng	99
43) 2,4,6-Trichlorophenol	9.128	196	127096	39.412	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

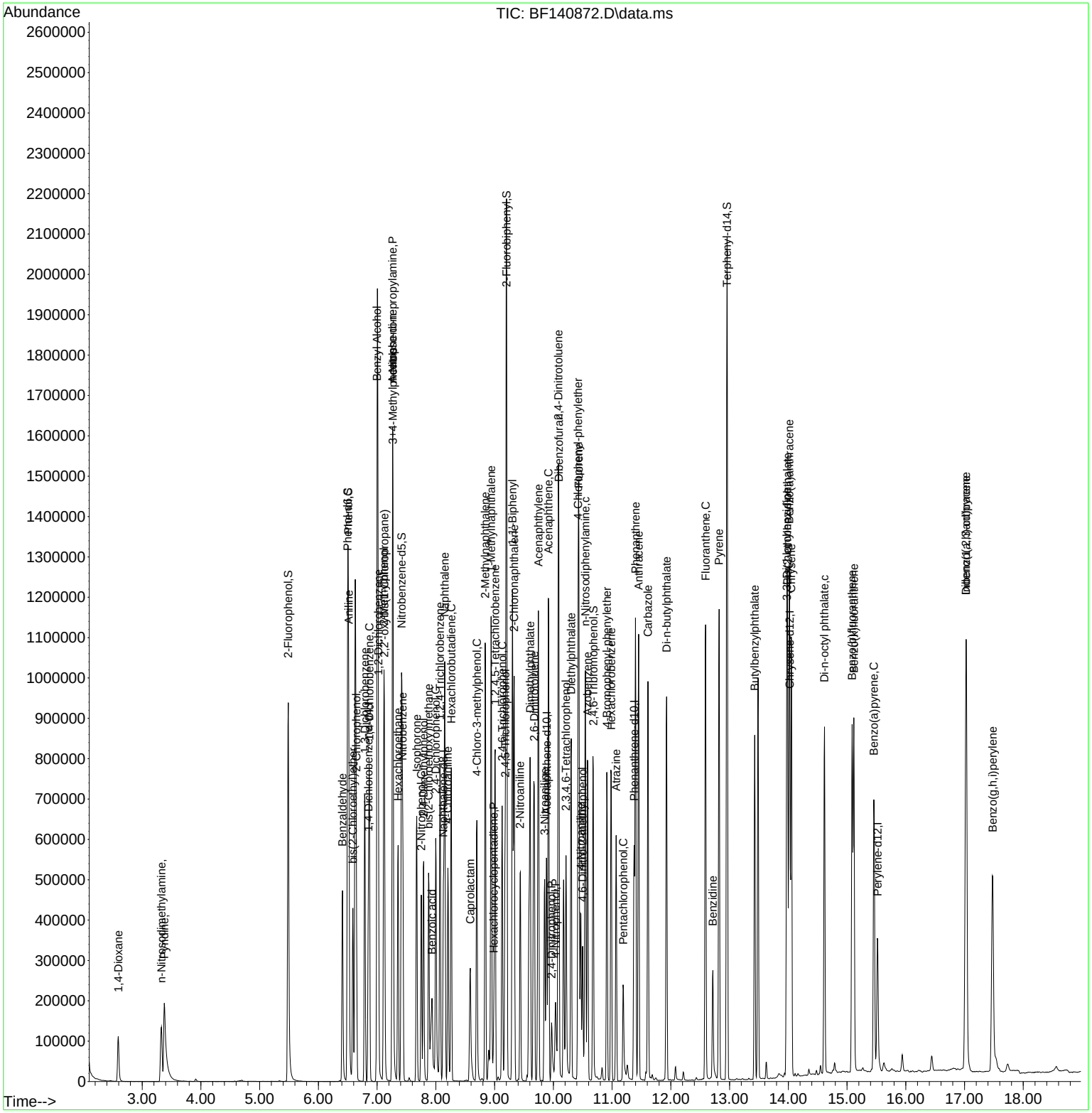
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	138117	38.966	ng	100
46) 1,1'-Biphenyl	9.304	154	527541	38.718	ng	100
47) 2-Chloronaphthalene	9.334	162	401095	38.480	ng	99
48) 2-Nitroaniline	9.434	65	123983	39.385	ng	99
49) Acenaphthylene	9.745	152	590393	38.543	ng	100
50) Dimethylphthalate	9.604	163	467456	38.696	ng	100
51) 2,6-Dinitrotoluene	9.675	165	108802	39.397	ng	98
52) Acenaphthene	9.916	154	376933	38.522	ng	98
53) 3-Nitroaniline	9.851	138	108802	39.699	ng	96
54) 2,4-Dinitrophenol	9.969	184	37206	31.895	ng	98
55) Dibenzofuran	10.092	168	568600	37.501	ng	99
56) 4-Nitrophenol	10.039	139	46205	34.044	ng	97
57) 2,4-Dinitrotoluene	10.086	165	142147	39.120	ng	99
58) Fluorene	10.434	166	438004	35.016	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	110282	38.183	ng	100
60) Diethylphthalate	10.304	149	449852	35.911	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	222856	35.468	ng	98
62) 4-Nitroaniline	10.469	138	103630	36.184	ng	96
63) Azobenzene	10.581	77	416040	35.327	ng	100
65) 4,6-Dinitro-2-methylph...	10.498	198	68959	39.884	ng	97
66) n-Nitrosodiphenylamine	10.545	169	371719	39.625	ng	99
67) 4-Bromophenyl-phenylether	10.910	248	134296	39.343	ng	100
68) Hexachlorobenzene	10.986	284	154263	39.860	ng	98
69) Atrazine	11.069	200	101496	38.739	ng	98
70) Pentachlorophenol	11.192	266	52188	36.883	ng	99
71) Phenanthrene	11.398	178	605957	38.619	ng	100
72) Anthracene	11.451	178	601930	38.955	ng	100
73) Carbazole	11.610	167	571386	37.753	ng	100
74) Di-n-butylphthalate	11.928	149	698939	39.349	ng	100
75) Fluoranthene	12.592	202	676693	37.448	ng	99
77) Benzidine	12.716	184	165063	37.705	ng	99
78) Pyrene	12.822	202	693296	36.348	ng	100
80) Butylbenzylphthalate	13.427	149	279336	39.801	ng	100
81) Benzo(a)anthracene	14.016	228	584415	38.444	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	179277	39.088	ng	98
83) Chrysene	14.051	228	539142	39.002	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	389128	42.999	ng	99
85) Di-n-octyl phthalate	14.616	149	604409	44.146	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	576644	46.297	ng	100
88) Benzo(b)fluoranthene	15.086	252	580797	41.921	ng	100
89) Benzo(k)fluoranthene	15.116	252	423225	35.611	ng	100
90) Benzo(a)pyrene	15.457	252	424036	39.087	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	481595	46.673	ng	98
92) Benzo(g,h,i)perylene	17.480	276	482409	45.935	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2		1,4-Dioxane	0.523	0.457	12.6	95	-0.03
3		Pyridine	1.212	1.279	-5.5	109	-0.03
4		n-Nitrosodimethylamine	0.611	0.592	3.1	102	-0.03
5	S	2-Fluorophenol	1.215	1.279	-5.3	111	0.00
6		Aniline	1.376	1.340	2.6	102	0.00
7	S	Phenol-d6	1.609	1.590	1.2	106	0.00
8		2-Chlorophenol	1.325	1.299	2.0	104	0.00
9		Benzaldehyde	0.892	0.877	1.7	106	0.00
10	C	Phenol	1.668	1.641	1.6	105	0.00
11		bis(2-Chloroethyl)ether	1.244	1.251	-0.6	106	0.00
12		1,3-Dichlorobenzene	1.510	1.487	1.5	105	0.00
13	C	1,4-Dichlorobenzene	1.532	1.502	2.0	104	0.00
14		1,2-Dichlorobenzene	1.446	1.406	2.8	102	0.00
15		Benzyl Alcohol	1.151	1.124	2.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.465	1.450	1.0	105	0.00
17		2-Methylphenol	1.058	1.040	1.7	104	0.00
18		Hexachloroethane	0.570	0.537	5.8	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.965	0.923	4.4	104	0.00
20		3+4-Methylphenols	1.403	1.341	4.4	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22		Acetophenone	0.500	0.502	-0.4	102	0.00
23	S	Nitrobenzene-d5	0.400	0.396	1.0	101	0.00
24		Nitrobenzene	0.410	0.404	1.5	100	0.00
25		Isophorone	0.670	0.665	0.7	102	0.00
26	C	2-Nitrophenol	0.189	0.188	0.5	100	0.00
27		2,4-Dimethylphenol	0.220	0.222	-0.9	101	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.417	0.2	100	0.00
29	C	2,4-Dichlorophenol	0.304	0.300	1.3	100	0.00
30		1,2,4-Trichlorobenzene	0.349	0.346	0.9	101	0.00
31		Naphthalene	1.099	1.077	2.0	101	0.00
32		Benzoic acid	0.209	0.196	6.2	93	0.00
33		4-Chloroaniline	0.365	0.357	2.2	99	0.00
34	C	Hexachlorobutadiene	0.235	0.225	4.3	97	0.00
35		Caprolactam	0.091	0.094	-3.3	104	0.00
36	C	4-Chloro-3-methylphenol	0.342	0.335	2.0	99	0.00
37		2-Methylnaphthalene	0.727	0.706	2.9	98	0.00
38		1-Methylnaphthalene	0.719	0.696	3.2	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.615	0.603	2.0	99	0.00
41	P	Hexachlorocyclopentadiene	0.153	0.109	28.8#	74	0.00
42	S	2,4,6-Tribromophenol	0.237	0.213	10.1	85	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.371	1.3	97	0.00
44		2,4,5-Trichlorophenol	0.414	0.403	2.7	97	0.00
45	S	2-Fluorobiphenyl	1.455	1.400	3.8	98	0.00
46		1,1'-Biphenyl	1.590	1.539	3.2	97	0.00
47		2-Chloronaphthalene	1.217	1.170	3.9	96	0.00

Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.367	0.362	1.4	97	0.00
49		Acenaphthylene	1.788	1.723	3.6	95	0.00
50		Dimethylphthalate	1.410	1.364	3.3	96	0.00
51		2,6-Dinitrotoluene	0.322	0.317	1.6	97	0.00
52	C	Acenaphthene	1.142	1.100	3.7	94	0.00
53		3-Nitroaniline	0.320	0.317	0.9	96	0.00
54	P	2,4-Dinitrophenol	0.132	0.109	17.4	78	0.00
55		Dibenzofuran	1.770	1.659	6.3	92	0.00
56	P	4-Nitrophenol	0.150	0.135	10.0	78	0.00
57		2,4-Dinitrotoluene	0.424	0.415	2.1	95	0.00
58		Fluorene	1.460	1.278	12.5	85	0.00
59		2,3,4,6-Tetrachlorophenol	0.337	0.322	4.5	87	0.00
60		Diethylphthalate	1.462	1.313	10.2	87	0.00
61		4-Chlorophenyl-phenylether	0.733	0.650	11.3	87	0.00
62		4-Nitroaniline	0.334	0.302	9.6	86	0.00
63		Azobenzene	1.375	1.214	11.7	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.113	0.0	82	0.00
66	c	n-Nitrosodiphenylamine	0.615	0.609	1.0	86	0.00
67		4-Bromophenyl-phenylether	0.224	0.220	1.8	84	0.00
68		Hexachlorobenzene	0.254	0.253	0.4	87	0.00
69		Atrazine	0.172	0.166	3.5	84	0.00
70	C	Pentachlorophenol	0.093	0.086	7.5	74	0.00
71		Phenanthrene	1.028	0.993	3.4	85	0.00
72		Anthracene	1.013	0.986	2.7	86	0.00
73		Carbazole	0.992	0.936	5.6	83	0.00
74		Di-n-butylphthalate	1.164	1.145	1.6	86	0.00
75	C	Fluoranthene	1.184	1.109	6.3	83	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77		Benzidine	0.408	0.385	5.6	85	0.00
78		Pyrene	1.779	1.616	9.2	85	0.00
79	S	Terphenyl-d14	1.268	1.166	8.0	86	0.00
80		Butylbenzylphthalate	0.654	0.651	0.5	90	0.00
81		Benzo(a)anthracene	1.417	1.362	3.9	89	0.00
82		3,3'-Dichlorobenzidine	0.428	0.418	2.3	90	0.00
83		Chrysene	1.289	1.257	2.5	88	-0.01
84		Bis(2-ethylhexyl)phthalate	0.844	0.907	-7.5	98	0.00
85	c	Di-n-octyl phthalate	1.277	1.409	-10.3	103	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	98	-0.02
87		Indeno(1,2,3-cd)pyrene	1.248	1.445	-15.8	112	-0.02
88		Benzo(b)fluoranthene	1.388	1.455	-4.8	111	-0.02
89		Benzo(k)fluoranthene	1.191	1.060	11.0	85	-0.02
90	C	Benzo(a)pyrene	1.087	1.062	2.3	97	-0.02
91		Dibenzo(a,h)anthracene	1.034	1.206	-16.6	112	-0.03
92		Benzo(g,h,i)perylene	1.052	1.208	-14.8	111	-0.02

Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	104	0.00
2		1,4-Dioxane	40.000	34.924	12.7	95	-0.03
3		Pyridine	40.000	42.204	-5.5	109	-0.03
4		n-Nitrosodimethylamine	40.000	38.757	3.1	102	-0.03
5	S	2-Fluorophenol	80.000	84.193	-5.2	111	0.00
6		Aniline	40.000	38.957	2.6	102	0.00
7	S	Phenol-d6	80.000	79.044	1.2	106	0.00
8		2-Chlorophenol	40.000	39.211	2.0	104	0.00
9		Benzaldehyde	40.000	39.340	1.6	106	0.00
10	C	Phenol	40.000	39.347	1.6	105	0.00
11		bis(2-Chloroethyl)ether	40.000	40.231	-0.6	106	0.00
12		1,3-Dichlorobenzene	40.000	39.401	1.5	105	0.00
13	C	1,4-Dichlorobenzene	40.000	39.194	2.0	104	0.00
14		1,2-Dichlorobenzene	40.000	38.892	2.8	102	0.00
15		Benzyl Alcohol	40.000	39.090	2.3	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.589	1.0	105	0.00
17		2-Methylphenol	40.000	39.323	1.7	104	0.00
18		Hexachloroethane	40.000	37.677	5.8	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.265	4.3	104	0.00
20		3+4-Methylphenols	40.000	38.252	4.4	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22		Acetophenone	40.000	40.145	-0.4	102	0.00
23	S	Nitrobenzene-d5	80.000	79.283	0.9	101	0.00
24		Nitrobenzene	40.000	39.430	1.4	100	0.00
25		Isophorone	40.000	39.733	0.7	102	0.00
26	C	2-Nitrophenol	40.000	39.907	0.2	100	0.00
27		2,4-Dimethylphenol	40.000	40.367	-0.9	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.898	0.3	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.416	1.5	100	0.00
30		1,2,4-Trichlorobenzene	40.000	39.674	0.8	101	0.00
31		Naphthalene	40.000	39.230	1.9	101	0.00
32		Benzoic acid	40.000	37.613	6.0	93	0.00
33		4-Chloroaniline	40.000	39.135	2.2	99	0.00
34	C	Hexachlorobutadiene	40.000	38.326	4.2	97	0.00
35		Caprolactam	40.000	41.467	-3.7	104	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.186	2.0	99	0.00
37		2-Methylnaphthalene	40.000	38.885	2.8	98	0.00
38		1-Methylnaphthalene	40.000	38.753	3.1	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.207	2.0	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	33.129	17.2	74	0.00
42	S	2,4,6-Tribromophenol	80.000	72.199	9.8	85	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.412	1.5	97	0.00
44		2,4,5-Trichlorophenol	40.000	38.966	2.6	97	0.00
45	S	2-Fluorobiphenyl	80.000	77.008	3.7	98	0.00
46		1,1'-Biphenyl	40.000	38.718	3.2	97	0.00
47		2-Chloronaphthalene	40.000	38.480	3.8	96	0.00

Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.385	1.5	97	0.00
49		Acenaphthylene	40.000	38.543	3.6	95	0.00
50		Dimethylphthalate	40.000	38.696	3.3	96	0.00
51		2,6-Dinitrotoluene	40.000	39.397	1.5	97	0.00
52	C	Acenaphthene	40.000	38.522	3.7	94	0.00
53		3-Nitroaniline	40.000	39.699	0.8	96	0.00
54	P	2,4-Dinitrophenol	40.000	31.895	20.3	78	0.00
55		Dibenzofuran	40.000	37.501	6.2	92	0.00
56	P	4-Nitrophenol	40.000	34.044	14.9	78	0.00
57		2,4-Dinitrotoluene	40.000	39.120	2.2	95	0.00
58		Fluorene	40.000	35.016	12.5	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.183	4.5	87	0.00
60		Diethylphthalate	40.000	35.911	10.2	87	0.00
61		4-Chlorophenyl-phenylether	40.000	35.468	11.3	87	0.00
62		4-Nitroaniline	40.000	36.184	9.5	86	0.00
63		Azobenzene	40.000	35.327	11.7	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.884	0.3	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.625	0.9	86	0.00
67		4-Bromophenyl-phenylether	40.000	39.343	1.6	84	0.00
68		Hexachlorobenzene	40.000	39.860	0.4	87	0.00
69		Atrazine	40.000	38.739	3.2	84	0.00
70	C	Pentachlorophenol	40.000	36.883	7.8	74	0.00
71		Phenanthrene	40.000	38.619	3.5	85	0.00
72		Anthracene	40.000	38.955	2.6	86	0.00
73		Carbazole	40.000	37.753	5.6	83	0.00
74		Di-n-butylphthalate	40.000	39.349	1.6	86	0.00
75	C	Fluoranthene	40.000	37.448	6.4	83	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77		Benzidine	40.000	37.705	5.7	85	0.00
78		Pyrene	40.000	36.348	9.1	85	0.00
79	S	Terphenyl-d14	80.000	73.570	8.0	86	0.00
80		Butylbenzylphthalate	40.000	39.801	0.5	90	0.00
81		Benzo(a)anthracene	40.000	38.444	3.9	89	0.00
82		3,3'-Dichlorobenzidine	40.000	39.088	2.3	90	0.00
83		Chrysene	40.000	39.002	2.5	88	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	42.999	-7.5	98	0.00
85	c	Di-n-octyl phthalate	40.000	44.146	-10.4	103	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	98	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	46.297	-15.7	112	-0.02
88		Benzo(b)fluoranthene	40.000	41.921	-4.8	111	-0.02
89		Benzo(k)fluoranthene	40.000	35.611	11.0	85	-0.02
90	C	Benzo(a)pyrene	40.000	39.087	2.3	97	-0.02
91		Dibenzo(a,h)anthracene	40.000	46.673	-16.7	112	-0.03
92		Benzo(g,h,i)perylene	40.000	45.935	-14.8	111	-0.02

Sample Results: **BF140872.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140872.D
Acq On : 17 Dec 2024 09:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 17 09:45:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF140896.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TULL02

Lab Code: CHEM Case No.: P5279 SAS No.: P5279 SDG No.: P5279

Instrument ID: BNA_F Calibration Date/Time: 12/18/2024 10:43

Lab File ID: BF140896.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.202		-1.1	
Phenol-d6	1.609	1.679		4.4	
Nitrobenzene-d5	0.400	0.432		8.0	
Naphthalene	1.099	1.068		-2.8	
2-Fluorobiphenyl	1.455	1.461		0.4	
Acenaphthylene	1.788	1.740		-2.7	
Acenaphthene	1.142	1.107		-3.1	20.0
Fluorene	1.460	1.412		-3.3	
2,4,6-Tribromophenol	0.237	0.227		-4.2	
Phenanthrene	1.028	0.979		-4.8	
Anthracene	1.013	0.861		-15.0	
Fluoranthene	1.184	1.117		-5.7	20.0
Pyrene	1.779	1.585		-10.9	
Terphenyl-d14	1.268	1.148		-9.5	
Benzo(a)anthracene	1.417	1.357		-4.2	
Chrysene	1.289	1.234		-4.3	
Benzo(b)fluoranthene	1.388	1.313		-5.4	
Benzo(k)fluoranthene	1.191	1.091		-8.4	
Benzo(a)pyrene	1.087	1.076		-1.0	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.078		-13.6	
Dibenzo(a,h)anthracene	1.034	0.889		-14.0	
Benzo(g,h,i)perylene	1.052	0.922		-12.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	88984	20.000	ng		0.00
21) Naphthalene-d8	8.134	136	307954	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	178243	20.000	ng		0.00
64) Phenanthrene-d10	11.381	188	366627	20.000	ng		0.00
76) Chrysene-d12	14.039	240	240438	20.000	ng		0.00
86) Perylene-d12	15.533	264	194500	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	427889	79.159	ng		0.00
7) Phenol-d6	6.504	99	597686	83.480	ng		0.00
23) Nitrobenzene-d5	7.422	82	532087	86.444	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	161917	76.807	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	1041367	80.324	ng		0.00
79) Terphenyl-d14	12.963	244	1104054	72.407	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.599	88	94347	40.522	ng		100
3) Pyridine	3.381	79	233336	43.274	ng		98
4) n-Nitrosodimethylamine	3.334	42	110417	40.621	ng		91
6) Aniline	6.516	93	261704	42.751	ng		94
8) 2-Chlorophenol	6.646	128	232390	39.424	ng		98
9) Benzaldehyde	6.410	77	150021	37.817	ng		99
10) Phenol	6.516	94	314661	42.405	ng		97
11) bis(2-Chloroethyl)ether	6.587	93	216145	39.059	ng		99
12) 1,3-Dichlorobenzene	6.793	146	276948	41.232	ng		97
13) 1,4-Dichlorobenzene	6.869	146	263067	38.584	ng		99
14) 1,2-Dichlorobenzene	7.022	146	252017	39.176	ng		98
15) Benzyl Alcohol	6.998	79	202788	39.614	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.122	45	244590	37.520	ng		88
17) 2-Methylphenol	7.122	107	176457	37.495	ng		99
18) Hexachloroethane	7.357	117	99231	39.095	ng		98
19) n-Nitroso-di-n-propyla...	7.263	70	163032	37.961	ng		99
20) 3+4-Methylphenols	7.275	107	243944	39.090	ng	#	84
22) Acetophenone	7.263	105	327939	42.570	ng		97
24) Nitrobenzene	7.440	77	273781	43.417	ng		98
25) Isophorone	7.675	82	446475	43.291	ng		99
26) 2-Nitrophenol	7.751	139	131014	45.111	ng		98
27) 2,4-Dimethylphenol	7.793	122	151292	44.606	ng		100
28) bis(2-Chloroethoxy)met...	7.881	93	238096	36.963	ng		98
29) 2,4-Dichlorophenol	8.004	162	184274	39.353	ng		99
30) 1,2,4-Trichlorobenzene	8.075	180	203456	37.902	ng		98
31) Naphthalene	8.151	128	657484	38.867	ng		99
32) Benzoic acid	7.945	122	111391	34.629	ng		99
33) 4-Chloroaniline	8.210	127	223603	39.799	ng		98
34) Hexachlorobutadiene	8.263	225	135668	37.565	ng		98
35) Caprolactam	8.592	113	58418	41.905	ng		99
36) 4-Chloro-3-methylphenol	8.704	107	205860	39.060	ng		100
37) 2-Methylnaphthalene	8.845	142	434406	38.821	ng		100
38) 1-Methylnaphthalene	8.945	142	434919	39.299	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	217966	39.785	ng		100
41) Hexachlorocyclopentadiene	8.992	237	41145	34.386	ng		98
43) 2,4,6-Trichlorophenol	9.134	196	137937	41.118	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

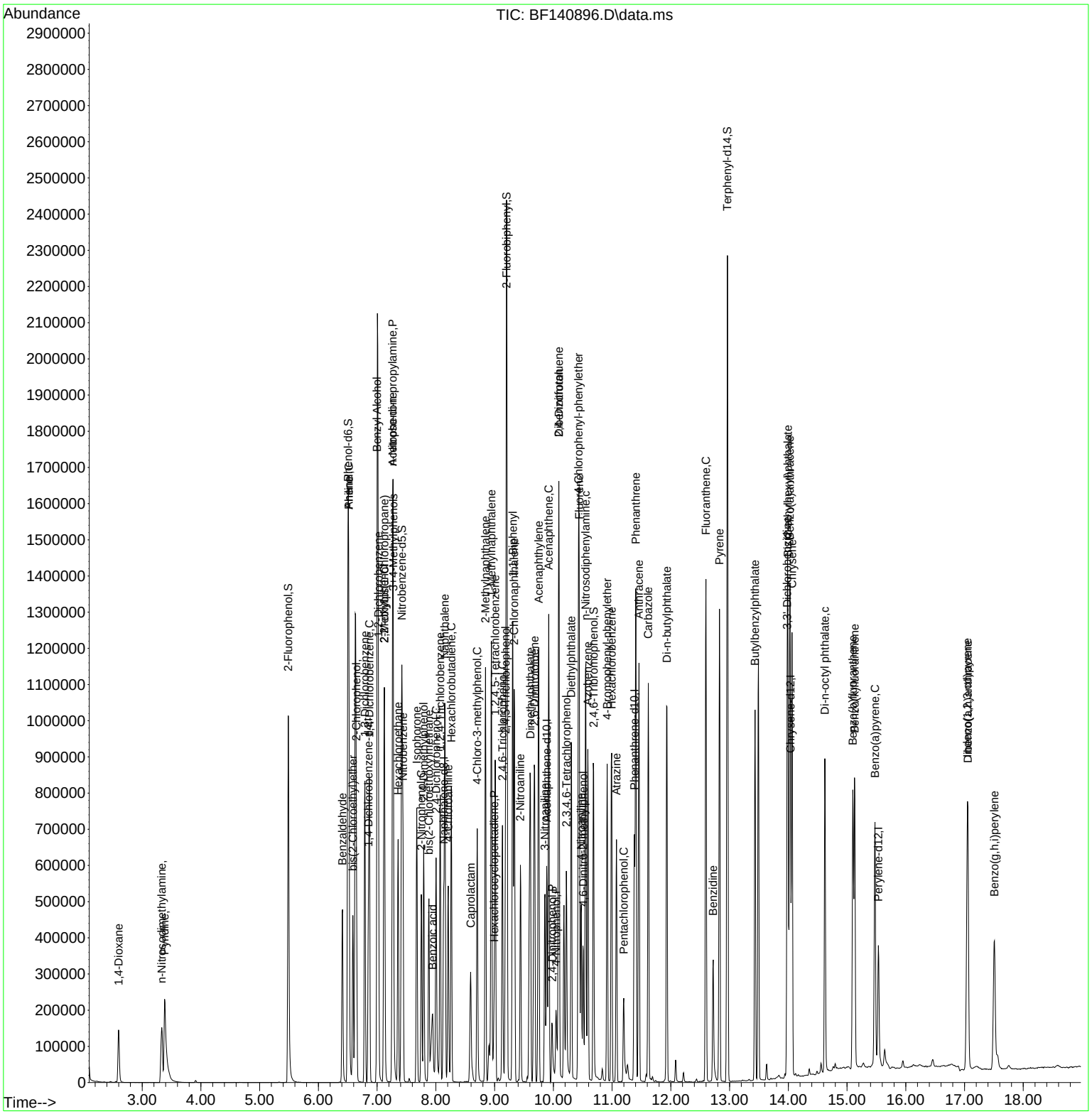
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	150716	40.876	ng	98
46) 1,1'-Biphenyl	9.310	154	572589	40.398	ng	99
47) 2-Chloronaphthalene	9.334	162	443599	40.911	ng	98
48) 2-Nitroaniline	9.439	65	142204	43.425	ng	99
49) Acenaphthylene	9.751	152	620347	38.931	ng	99
50) Dimethylphthalate	9.610	163	499849	39.776	ng	100
51) 2,6-Dinitrotoluene	9.681	165	125234	43.593	ng	95
52) Acenaphthene	9.922	154	394595	38.767	ng	100
53) 3-Nitroaniline	9.857	138	115732	40.594	ng	98
54) 2,4-Dinitrophenol	9.981	184	44877	35.939	ng	93
55) Dibenzofuran	10.092	168	604503	38.326	ng	99
56) 4-Nitrophenol	10.045	139	45251	32.311	ng	96
57) 2,4-Dinitrotoluene	10.092	165	150570	39.835	ng	99
58) Fluorene	10.439	166	503521	38.696	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	117166	38.997	ng	98
60) Diethylphthalate	10.304	149	494005	37.910	ng	100
61) 4-Chlorophenyl-phenyle...	10.428	204	249126	38.114	ng	97
62) 4-Nitroaniline	10.475	138	120131	40.323	ng	98
63) Azobenzene	10.586	77	471847	38.516	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	82494	39.708	ng	96
66) n-Nitrosodiphenylamine	10.551	169	427813	37.953	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	154240	37.605	ng	99
68) Hexachlorobenzene	10.992	284	180011	38.710	ng	99
69) Atrazine	11.075	200	113378	36.014	ng	99
70) Pentachlorophenol	11.198	266	54868	32.272	ng	98
71) Phenanthrene	11.404	178	717898	38.078	ng	99
72) Anthracene	11.457	178	631201	33.996	ng	99
73) Carbazole	11.616	167	636140	34.980	ng	100
74) Di-n-butylphthalate	11.933	149	786391	36.845	ng	100
75) Fluoranthene	12.598	202	818711	37.706	ng	99
77) Benzidine	12.722	184	215896	43.995	ng	100
78) Pyrene	12.827	202	762368	35.656	ng	99
80) Butylbenzylphthalate	13.433	149	334058	42.462	ng	99
81) Benzo(a)anthracene	14.027	228	652734	38.305	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	196478	38.216	ng	100
83) Chrysene	14.063	228	593332	38.290	ng	99
84) Bis(2-ethylhexyl)phtha...	13.992	149	415546	40.964	ng	100
85) Di-n-octyl phthalate	14.621	149	592446	38.603	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	419359	34.551	ng	98
88) Benzo(b)fluoranthene	15.098	252	510681	37.825	ng	100
89) Benzo(k)fluoranthene	15.127	252	424287	36.635	ng	100
90) Benzo(a)pyrene	15.474	252	418720	39.607	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	345837	34.393	ng	98
92) Benzo(g,h,i)perylene	17.510	276	358807	35.060	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



Sample Results: **BF140896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	115	0.00
2		1,4-Dioxane	0.523	0.530	-1.3	121	-0.02
3		Pyridine	1.212	1.311	-8.2	123	-0.02
4		n-Nitrosodimethylamine	0.611	0.620	-1.5	118	-0.02
5	S	2-Fluorophenol	1.215	1.202	1.1	115	0.00
6		Aniline	1.376	1.471	-6.9	123	0.00
7	S	Phenol-d6	1.609	1.679	-4.4	123	0.00
8		2-Chlorophenol	1.325	1.306	1.4	115	0.00
9		Benzaldehyde	0.892	0.843	5.5	112	0.00
10	C	Phenol	1.668	1.768	-6.0	124	0.00
11		bis(2-Chloroethyl)ether	1.244	1.215	2.3	113	0.00
12		1,3-Dichlorobenzene	1.510	1.556	-3.0	121	0.00
13	C	1,4-Dichlorobenzene	1.532	1.478	3.5	113	0.00
14		1,2-Dichlorobenzene	1.446	1.416	2.1	113	0.00
15		Benzyl Alcohol	1.151	1.139	1.0	114	0.00
16		2,2'-oxybis(1-Chloropropane	1.465	1.374	6.2	109	0.00
17		2-Methylphenol	1.058	0.992	6.2	109	0.00
18		Hexachloroethane	0.570	0.558	2.1	115	0.00
19	P	n-Nitroso-di-n-propylamine	0.965	0.916	5.1	114	0.00
20		3+4-Methylphenols	1.403	1.371	2.3	116	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.500	0.532	-6.4	113	0.00
23	S	Nitrobenzene-d5	0.400	0.432	-8.0	115	0.00
24		Nitrobenzene	0.410	0.445	-8.5	116	0.00
25		Isophorone	0.670	0.725	-8.2	117	0.00
26	C	2-Nitrophenol	0.189	0.213	-12.7	119	0.00
27		2,4-Dimethylphenol	0.220	0.246	-11.8	117	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.387	7.4	97	0.00
29	C	2,4-Dichlorophenol	0.304	0.299	1.6	105	0.00
30		1,2,4-Trichlorobenzene	0.349	0.330	5.4	101	0.00
31		Naphthalene	1.099	1.068	2.8	105	0.00
32		Benzoic acid	0.209	0.181	13.4	90	0.00
33		4-Chloroaniline	0.365	0.363	0.5	105	0.00
34	C	Hexachlorobutadiene	0.235	0.220	6.4	99	0.00
35		Caprolactam	0.091	0.095	-4.4	110	0.00
36	C	4-Chloro-3-methylphenol	0.342	0.334	2.3	104	0.00
37		2-Methylnaphthalene	0.727	0.705	3.0	103	0.00
38		1-Methylnaphthalene	0.719	0.706	1.8	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.615	0.611	0.7	105	0.00
41	P	Hexachlorocyclopentadiene	0.153	0.115	24.8	81	0.00
42	S	2,4,6-Tribromophenol	0.237	0.227	4.2	94	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.387	-2.9	106	0.00
44		2,4,5-Trichlorophenol	0.414	0.423	-2.2	106	0.00
45	S	2-Fluorobiphenyl	1.455	1.461	-0.4	106	0.00
46		1,1'-Biphenyl	1.590	1.606	-1.0	106	0.00
47		2-Chloronaphthalene	1.217	1.244	-2.2	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.367	0.399	-8.7	111	0.00
49		Acenaphthylene	1.788	1.740	2.7	100	0.00
50		Dimethylphthalate	1.410	1.402	0.6	103	0.00
51		2,6-Dinitrotoluene	0.322	0.351	-9.0	112	0.00
52	C	Acenaphthene	1.142	1.107	3.1	99	0.00
53		3-Nitroaniline	0.320	0.325	-1.6	102	0.00
54	P	2,4-Dinitrophenol	0.132	0.126	4.5	94	0.01
55		Dibenzofuran	1.770	1.696	4.2	98	0.00
56	P	4-Nitrophenol	0.150	0.127	15.3	77	0.01
57		2,4-Dinitrotoluene	0.424	0.422	0.5	100	0.00
58		Fluorene	1.460	1.412	3.3	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.337	0.329	2.4	92	0.00
60		Diethylphthalate	1.462	1.386	5.2	96	0.00
61		4-Chlorophenyl-phenylether	0.733	0.699	4.6	97	0.00
62		4-Nitroaniline	0.334	0.337	-0.9	99	0.00
63		Azobenzene	1.375	1.324	3.7	96	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	0.113	0.113	0.0	98	0.01
66	c	n-Nitrosodiphenylamine	0.615	0.583	5.2	99	0.00
67		4-Bromophenyl-phenylether	0.224	0.210	6.3	97	0.00
68		Hexachlorobenzene	0.254	0.245	3.5	101	0.00
69		Atrazine	0.172	0.155	9.9	93	0.00
70	C	Pentachlorophenol	0.093	0.075	19.4	78	0.01
71		Phenanthrene	1.028	0.979	4.8	101	0.00
72		Anthracene	1.013	0.861	15.0	90	0.00
73		Carbazole	0.992	0.868	12.5	92	0.00
74		Di-n-butylphthalate	1.164	1.072	7.9	96	0.00
75	C	Fluoranthene	1.184	1.117	5.7	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.408	0.449	-10.0	111	0.00
78		Pyrene	1.779	1.585	10.9	93	0.00
79	S	Terphenyl-d14	1.268	1.148	9.5	95	0.00
80		Butylbenzylphthalate	0.654	0.695	-6.3	107	0.00
81		Benzo(a)anthracene	1.417	1.357	4.2	100	0.00
82		3,3'-Dichlorobenzidine	0.428	0.409	4.4	99	0.00
83		Chrysene	1.289	1.234	4.3	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.844	0.864	-2.4	105	0.00
85	c	Di-n-octyl phthalate	1.277	1.232	3.5	100	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	96	-0.01
87		Indeno(1,2,3-cd)pyrene	1.248	1.078	13.6	82	0.00
88		Benzo(b)fluoranthene	1.388	1.313	5.4	97	-0.01
89		Benzo(k)fluoranthene	1.191	1.091	8.4	85	-0.01
90	C	Benzo(a)pyrene	1.087	1.076	1.0	96	0.00
91		Dibenzo(a,h)anthracene	1.034	0.889	14.0	81	0.00
92		Benzo(g,h,i)perylene	1.052	0.922	12.4	83	0.00

Sample Results: **BF140896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF140896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	115	0.00
2		1,4-Dioxane	40.000	40.522	-1.3	121	-0.02
3		Pyridine	40.000	43.274	-8.2	123	-0.02
4		n-Nitrosodimethylamine	40.000	40.621	-1.6	118	-0.02
5	S	2-Fluorophenol	80.000	79.159	1.1	115	0.00
6		Aniline	40.000	42.751	-6.9	123	0.00
7	S	Phenol-d6	80.000	83.480	-4.4	123	0.00
8		2-Chlorophenol	40.000	39.424	1.4	115	0.00
9		Benzaldehyde	40.000	37.817	5.5	112	0.00
10	C	Phenol	40.000	42.405	-6.0	124	0.00
11		bis(2-Chloroethyl)ether	40.000	39.059	2.4	113	0.00
12		1,3-Dichlorobenzene	40.000	41.232	-3.1	121	0.00
13	C	1,4-Dichlorobenzene	40.000	38.584	3.5	113	0.00
14		1,2-Dichlorobenzene	40.000	39.176	2.1	113	0.00
15		Benzyl Alcohol	40.000	39.614	1.0	114	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.520	6.2	109	0.00
17		2-Methylphenol	40.000	37.495	6.3	109	0.00
18		Hexachloroethane	40.000	39.095	2.3	115	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.961	5.1	114	0.00
20		3+4-Methylphenols	40.000	39.090	2.3	116	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	42.570	-6.4	113	0.00
23	S	Nitrobenzene-d5	80.000	86.444	-8.1	115	0.00
24		Nitrobenzene	40.000	43.417	-8.5	116	0.00
25		Isophorone	40.000	43.291	-8.2	117	0.00
26	C	2-Nitrophenol	40.000	45.111	-12.8	119	0.00
27		2,4-Dimethylphenol	40.000	44.606	-11.5	117	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.963	7.6	97	0.00
29	C	2,4-Dichlorophenol	40.000	39.353	1.6	105	0.00
30		1,2,4-Trichlorobenzene	40.000	37.902	5.2	101	0.00
31		Naphthalene	40.000	38.867	2.8	105	0.00
32		Benzoic acid	40.000	34.629	13.4	90	0.00
33		4-Chloroaniline	40.000	39.799	0.5	105	0.00
34	C	Hexachlorobutadiene	40.000	37.565	6.1	99	0.00
35		Caprolactam	40.000	41.905	-4.8	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.060	2.3	104	0.00
37		2-Methylnaphthalene	40.000	38.821	2.9	103	0.00
38		1-Methylnaphthalene	40.000	39.299	1.8	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.785	0.5	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.386	14.0	81	0.00
42	S	2,4,6-Tribromophenol	80.000	76.807	4.0	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.118	-2.8	106	0.00
44		2,4,5-Trichlorophenol	40.000	40.876	-2.2	106	0.00
45	S	2-Fluorobiphenyl	80.000	80.324	-0.4	106	0.00
46		1,1'-Biphenyl	40.000	40.398	-1.0	106	0.00
47		2-Chloronaphthalene	40.000	40.911	-2.3	106	0.00

Sample Results: **BF140896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
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Operator : RC/JU
Sample : SSTDCCC040
Misc :
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Instrument :
BNA_F
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Quant Time: Dec 18 11:07:30 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.425	-8.6	111	0.00
49		Acenaphthylene	40.000	38.931	2.7	100	0.00
50		Dimethylphthalate	40.000	39.776	0.6	103	0.00
51		2,6-Dinitrotoluene	40.000	43.593	-9.0	112	0.00
52	C	Acenaphthene	40.000	38.767	3.1	99	0.00
53		3-Nitroaniline	40.000	40.594	-1.5	102	0.00
54	P	2,4-Dinitrophenol	40.000	35.939	10.2	94	0.01
55		Dibenzofuran	40.000	38.326	4.2	98	0.00
56	P	4-Nitrophenol	40.000	32.311	19.2	77	0.01
57		2,4-Dinitrotoluene	40.000	39.835	0.4	100	0.00
58		Fluorene	40.000	38.696	3.3	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.997	2.5	92	0.00
60		Diethylphthalate	40.000	37.910	5.2	96	0.00
61		4-Chlorophenyl-phenylether	40.000	38.114	4.7	97	0.00
62		4-Nitroaniline	40.000	40.323	-0.8	99	0.00
63		Azobenzene	40.000	38.516	3.7	96	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.708	0.7	98	0.01
66	c	n-Nitrosodiphenylamine	40.000	37.953	5.1	99	0.00
67		4-Bromophenyl-phenylether	40.000	37.605	6.0	97	0.00
68		Hexachlorobenzene	40.000	38.710	3.2	101	0.00
69		Atrazine	40.000	36.014	10.0	93	0.00
70	C	Pentachlorophenol	40.000	32.272	19.3	78	0.01
71		Phenanthrene	40.000	38.078	4.8	101	0.00
72		Anthracene	40.000	33.996	15.0	90	0.00
73		Carbazole	40.000	34.980	12.6	92	0.00
74		Di-n-butylphthalate	40.000	36.845	7.9	96	0.00
75	C	Fluoranthene	40.000	37.706	5.7	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	43.995	-10.0	111	0.00
78		Pyrene	40.000	35.656	10.9	93	0.00
79	S	Terphenyl-d14	80.000	72.407	9.5	95	0.00
80		Butylbenzylphthalate	40.000	42.462	-6.2	107	0.00
81		Benzo(a)anthracene	40.000	38.305	4.2	100	0.00
82		3,3'-Dichlorobenzidine	40.000	38.216	4.5	99	0.00
83		Chrysene	40.000	38.290	4.3	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.964	-2.4	105	0.00
85	c	Di-n-octyl phthalate	40.000	38.603	3.5	100	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	96	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	34.551	13.6	82	0.00
88		Benzo(b)fluoranthene	40.000	37.825	5.4	97	-0.01
89		Benzo(k)fluoranthene	40.000	36.635	8.4	85	-0.01
90	C	Benzo(a)pyrene	40.000	39.607	1.0	96	0.00
91		Dibenzo(a,h)anthracene	40.000	34.393	14.0	81	0.00
92		Benzo(g,h,i)perylene	40.000	35.060	12.3	83	0.00

Sample Results: **BF140896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140896.D
Acq On : 18 Dec 2024 10:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 18 11:07:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

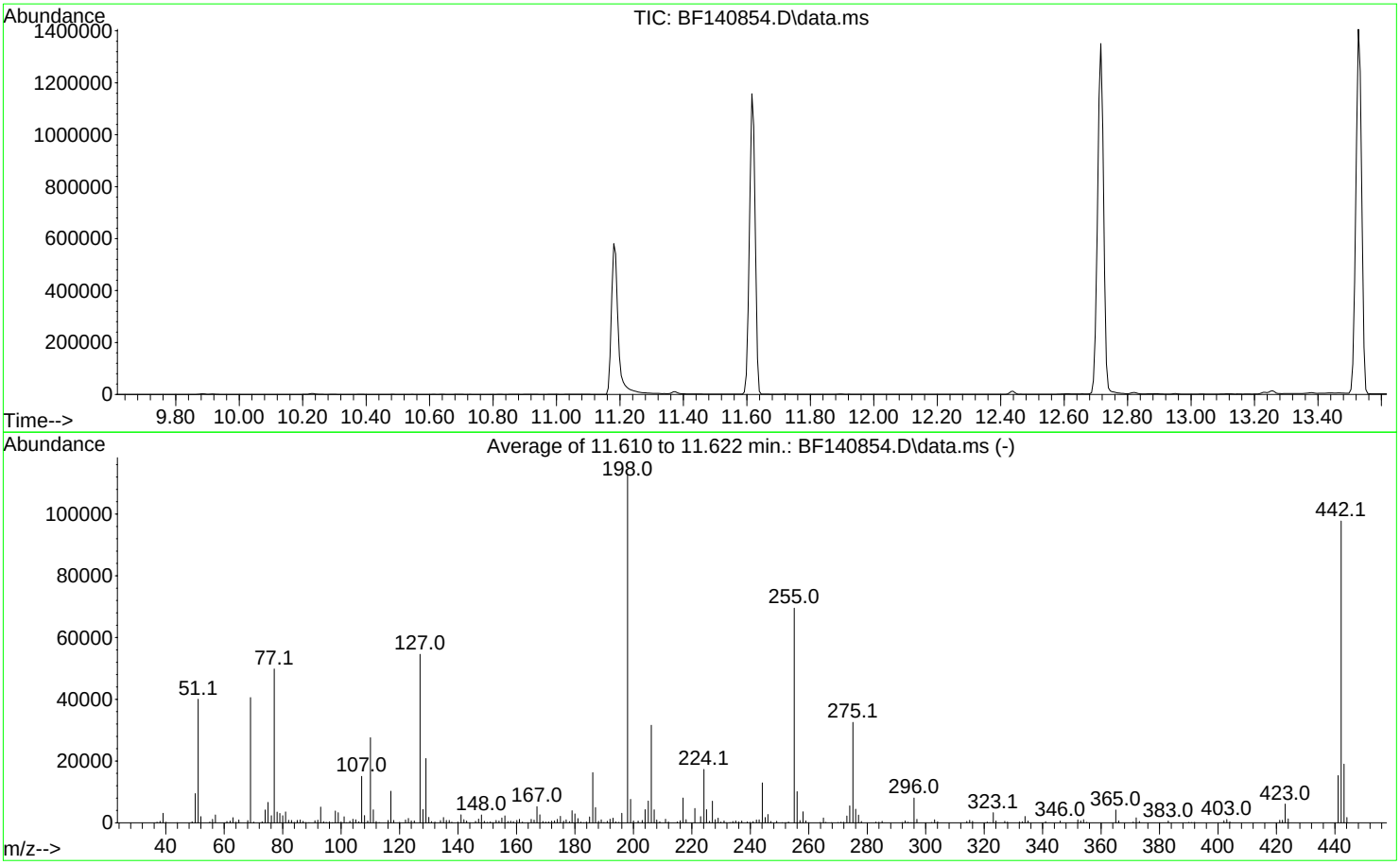
Sample Results: **BF140854.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.6	40051	PASS
68	69	0.00	2	1.9	751	PASS
69	198	0.00	100	36.0	40557	PASS
70	69	0.00	2	0.6	252	PASS
127	198	10	80	48.5	54581	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	112637	PASS
199	198	5	9	6.7	7601	PASS
275	198	10	60	28.9	32549	PASS
365	198	1	100	3.7	4169	PASS
441	198	0.01	100	13.6	15301	PASS
442	442	50	100	100.0	97731	PASS
443	442	15	24	19.4	18998	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/16/2024	BNA_F	BF140854.D
Compound Name	**Response**	**Retention Time**
DDT	360303	13.527
DDD	6357	13.257
DDE	1383	12.892
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7740	368043	2.10

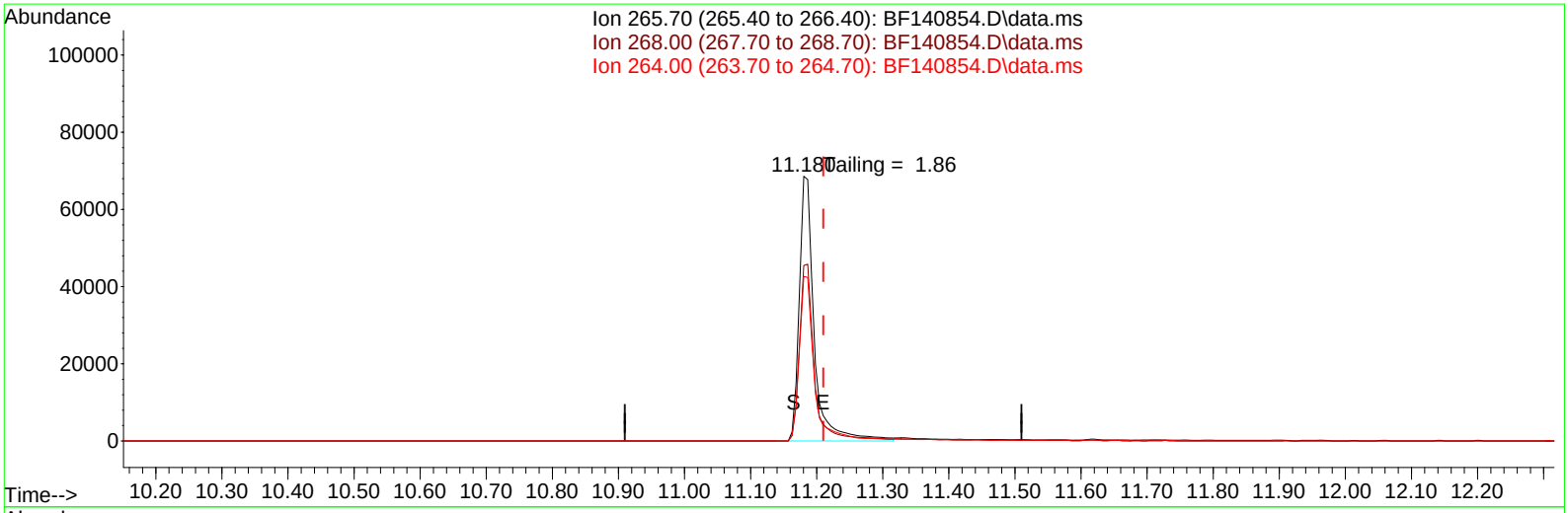
Instrument :
BNA_F
ClientSampleId :
DFTPP

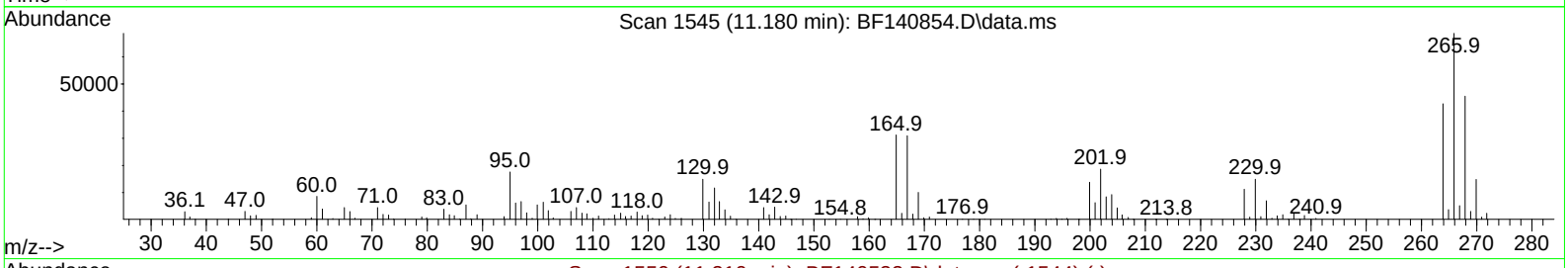
Sample Results: **BF140854.D**

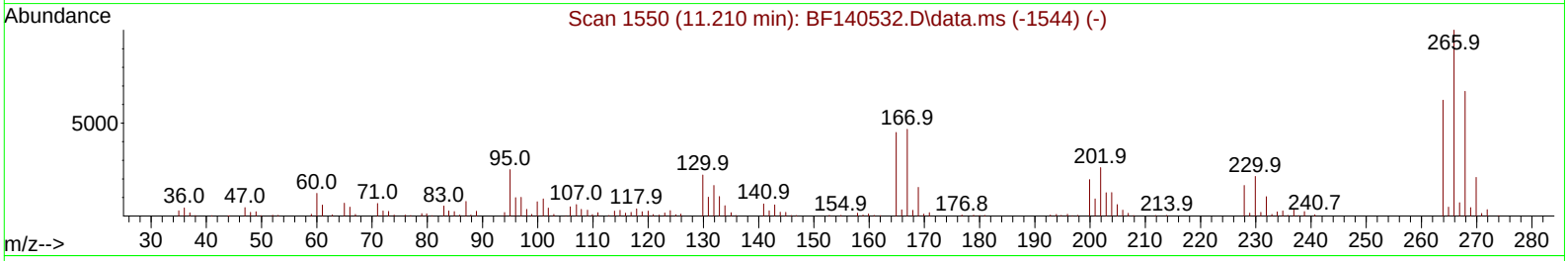
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration







TIC: BF140854.D\data.ms

(70) Pentachlorophenol (C)

11.180min (-0.030) 3894.75 ng m

response 108541

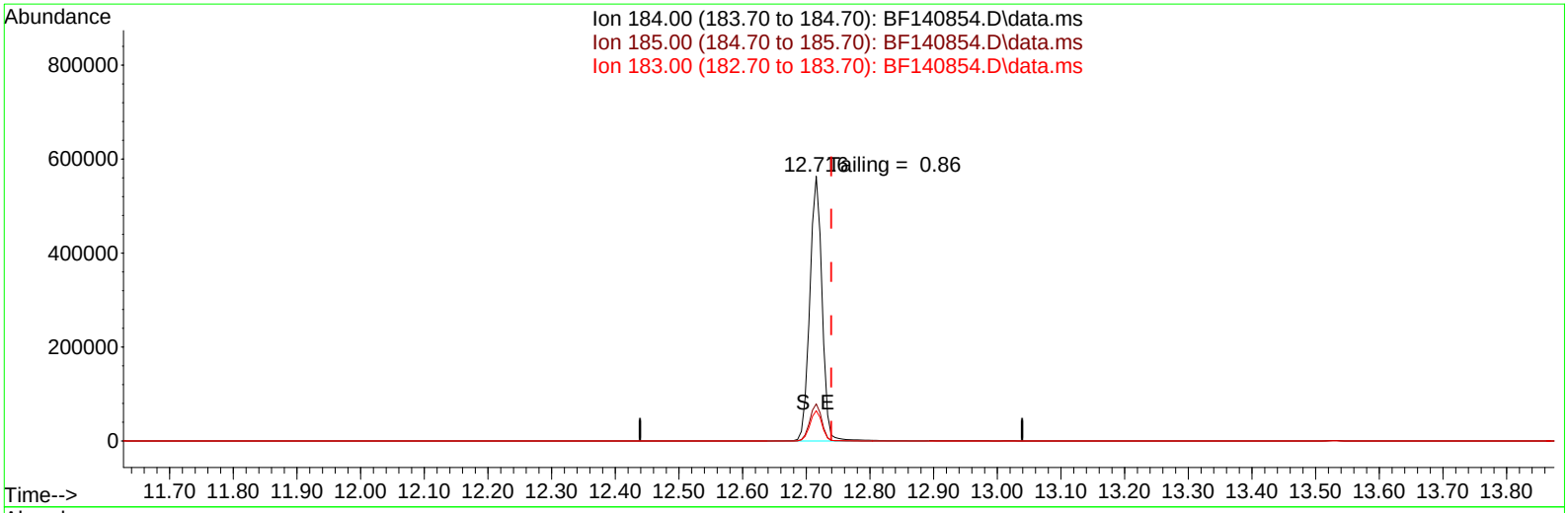
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	66.31
264.00	62.30	62.20
0.00	0.00	0.00

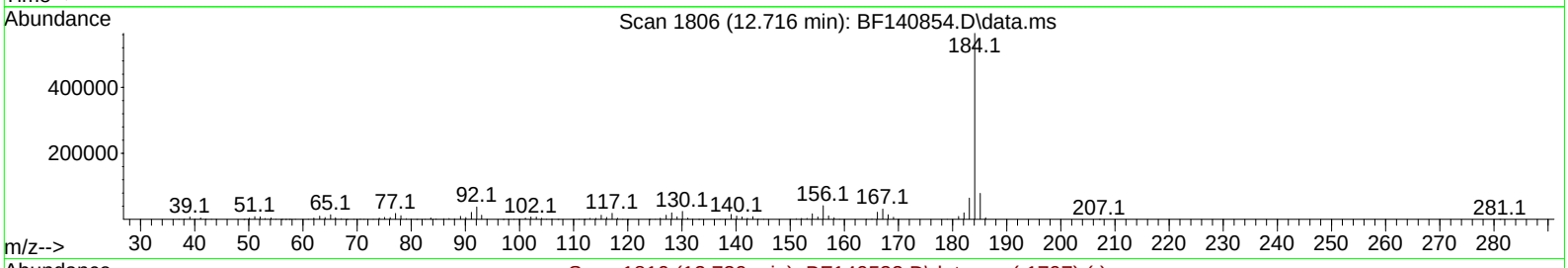
Sample Results: **BF140854.D**

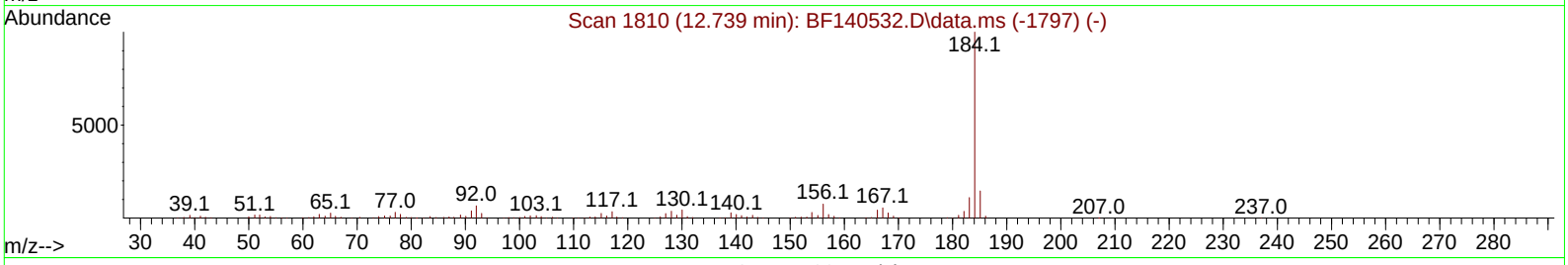
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121624\
Data File : BF140854.D
Acq On : 16 Dec 2024 11:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 16 12:02:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration







TIC: BF140854.D\data.ms

(77) Benzidine

12.716min (-0.023) 4792.75 ng

response 759160

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.01
183.00	11.00	11.44
0.00	0.00	0.00

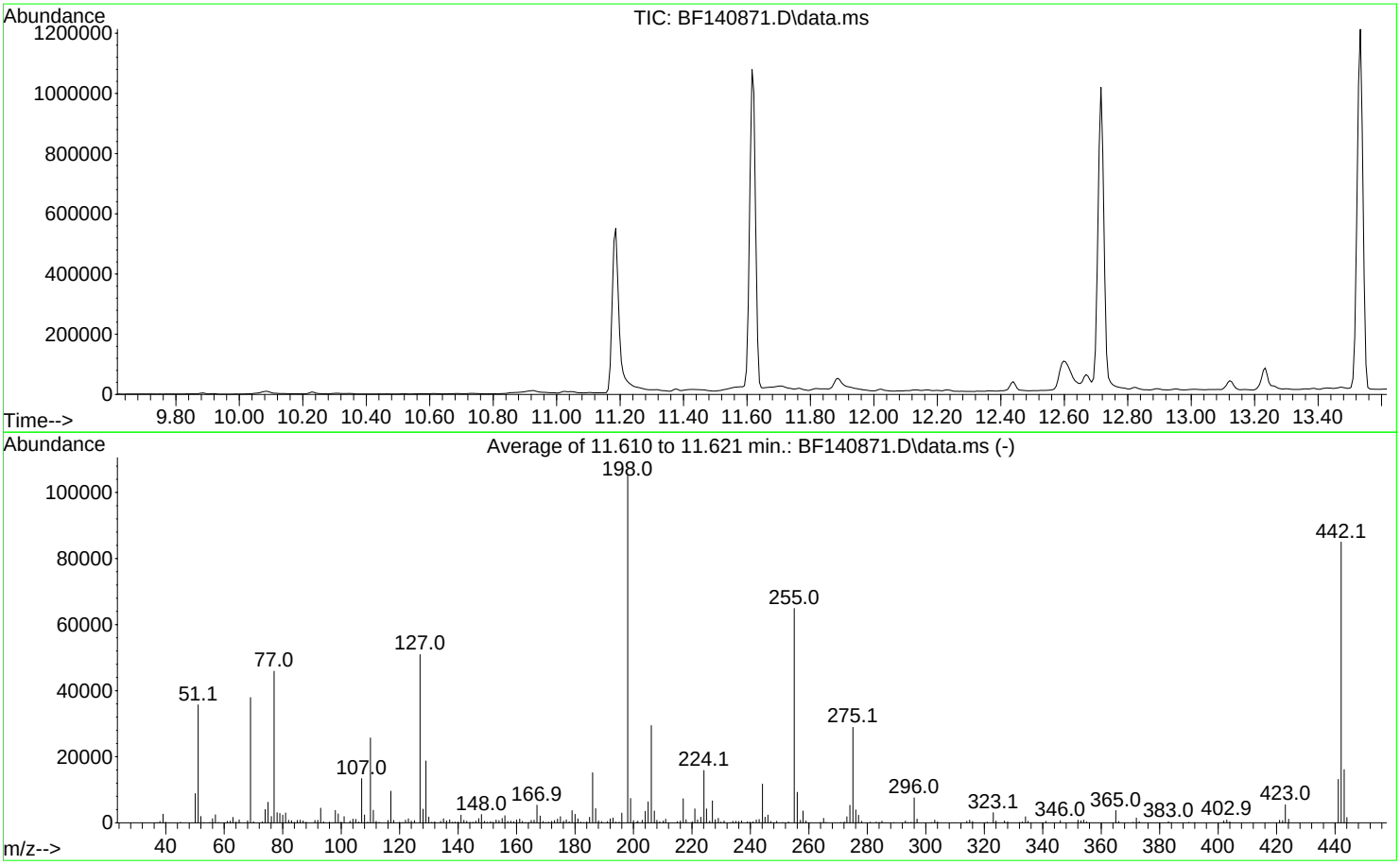
Sample Results: **BF140871.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140871.D
Acq On : 17 Dec 2024 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



AutoFind: Scans 1618, 1619, 1620; Background Corrected with Scan 1612

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.9	35723	PASS
68	69	0.00	2	1.6	613	PASS
69	198	0.00	100	36.0	37923	PASS
70	69	0.00	2	0.8	308	PASS
127	198	10	80	48.4	50941	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	105283	PASS
199	198	5	9	7.0	7376	PASS
275	198	10	60	27.5	28917	PASS
365	198	1	100	3.5	3701	PASS
441	198	0.01	100	12.5	13159	PASS
442	442	50	100	100.0	84981	PASS
443	442	15	24	19.0	16139	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/17/2024	BNA_F	BF140871.D
Compound Name	**Response**	**Retention Time**
DDT	301277	13.533
DDD	21919	13.233
DDE	1352	12.892
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23271	324548	7.17

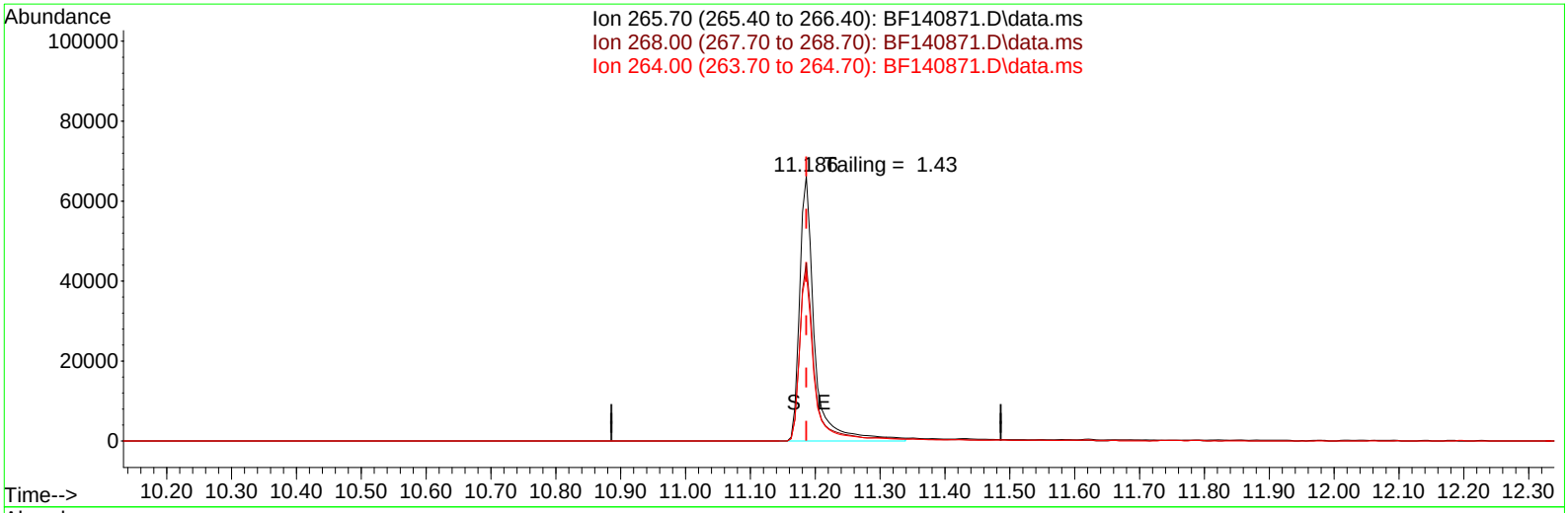
Instrument :
BNA_F
ClientSampleId :
DFTPP

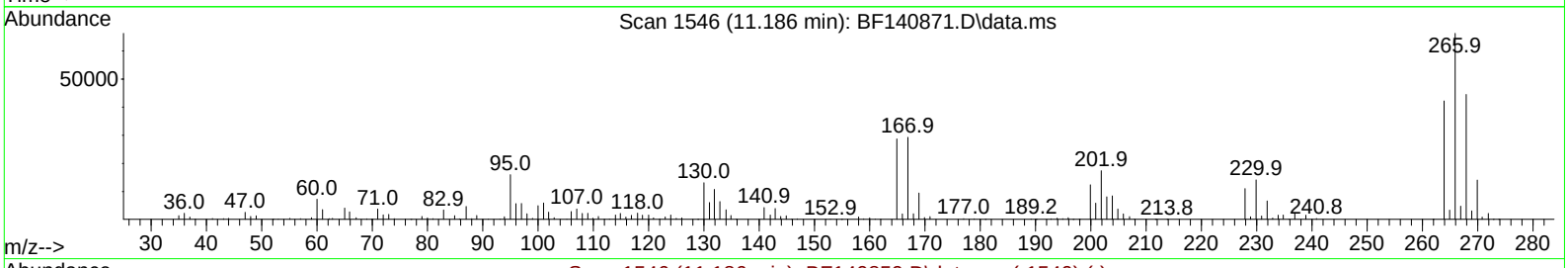
Sample Results: **BF140871.D**

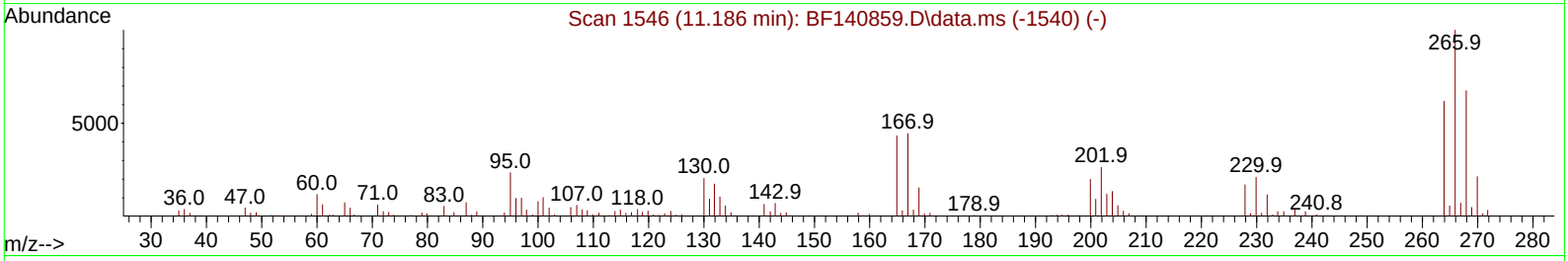
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140871.D
Acq On : 17 Dec 2024 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 17 10:34:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration







TIC: BF140871.D\data.ms

(70) Pentachlorophenol (C)

11.186min (+ 0.000) 4762.31 ng m

response 106624

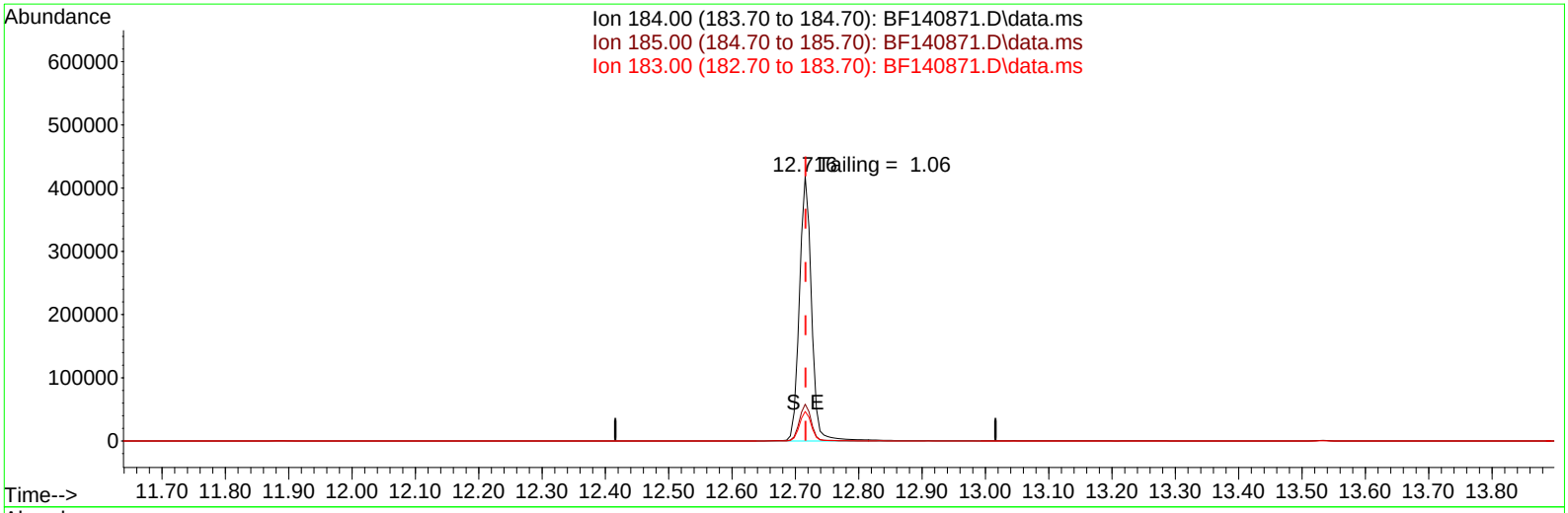
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.50	67.21
264.00	61.80	63.75
0.00	0.00	0.00

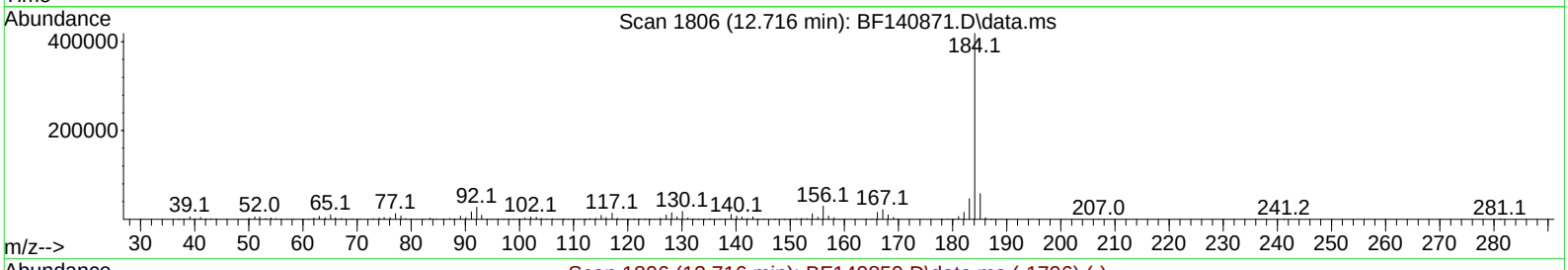
Sample Results: **BF140871.D**

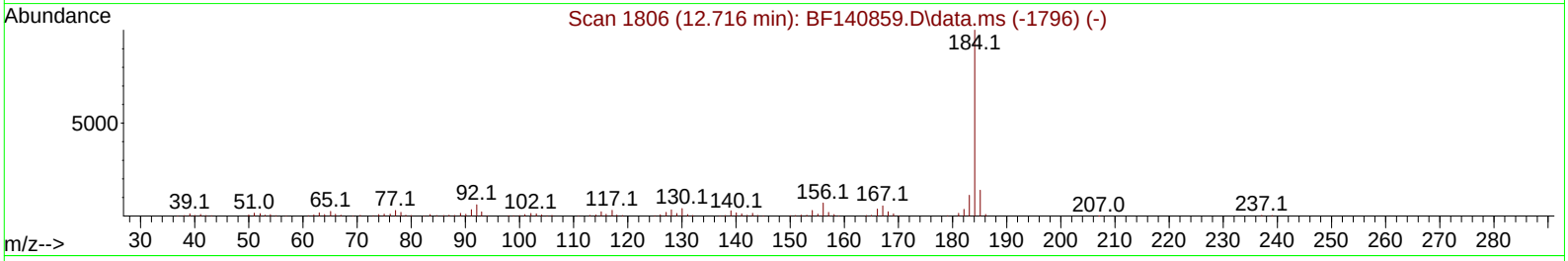
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140871.D
Acq On : 17 Dec 2024 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 17 10:34:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration







TIC: BF140871.D\data.ms

(77) Benzidine

12.716min (-0.000) 4637.75 ng

response 561870

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	13.89
183.00	11.20	11.16
0.00	0.00	0.00

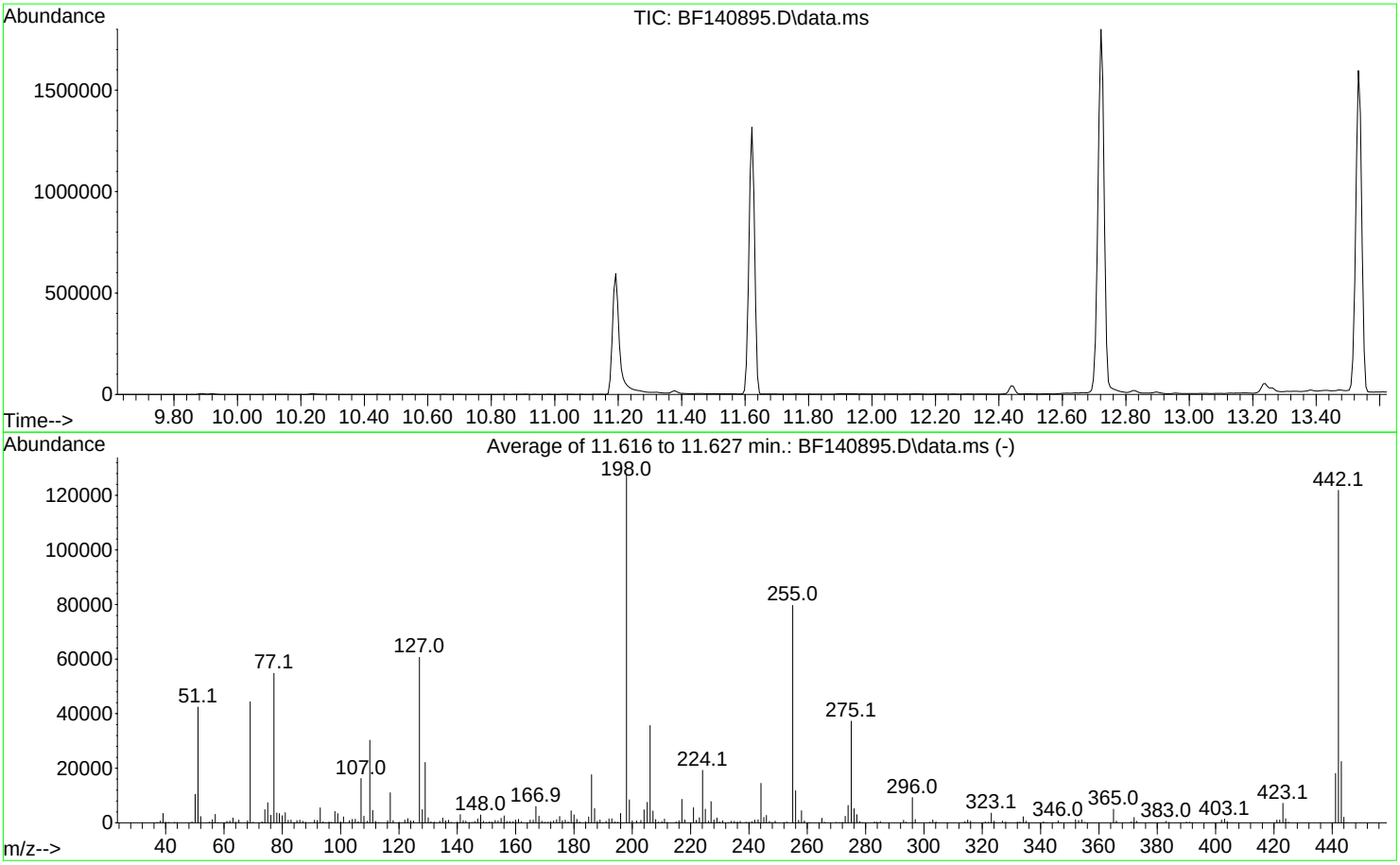
Sample Results: **BF140895.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140895.D
Acq On : 18 Dec 2024 09:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 16 16:59:50 2024



AutoFind: Scans 1619, 1620, 1621; Background Corrected with Scan 1612

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.3	42411	PASS
68	69	0.00	2	1.7	771	PASS
69	198	0.00	100	34.8	44341	PASS
70	69	0.00	2	0.5	230	PASS
127	198	10	80	47.6	60667	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	127443	PASS
199	198	5	9	6.6	8447	PASS
275	198	10	60	29.2	37243	PASS
365	198	1	100	3.9	4975	PASS
441	198	0.01	100	14.2	18050	PASS
442	442	50	100	100.0	121843	PASS
443	442	15	24	18.4	22475	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/18/2024	BNA_F	BF140895.D
Compound Name	**Response**	**Retention Time**
DDT	415662	13.533
DDD	22730	13.239
DDE	2369	12.898
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25099	440761	5.69

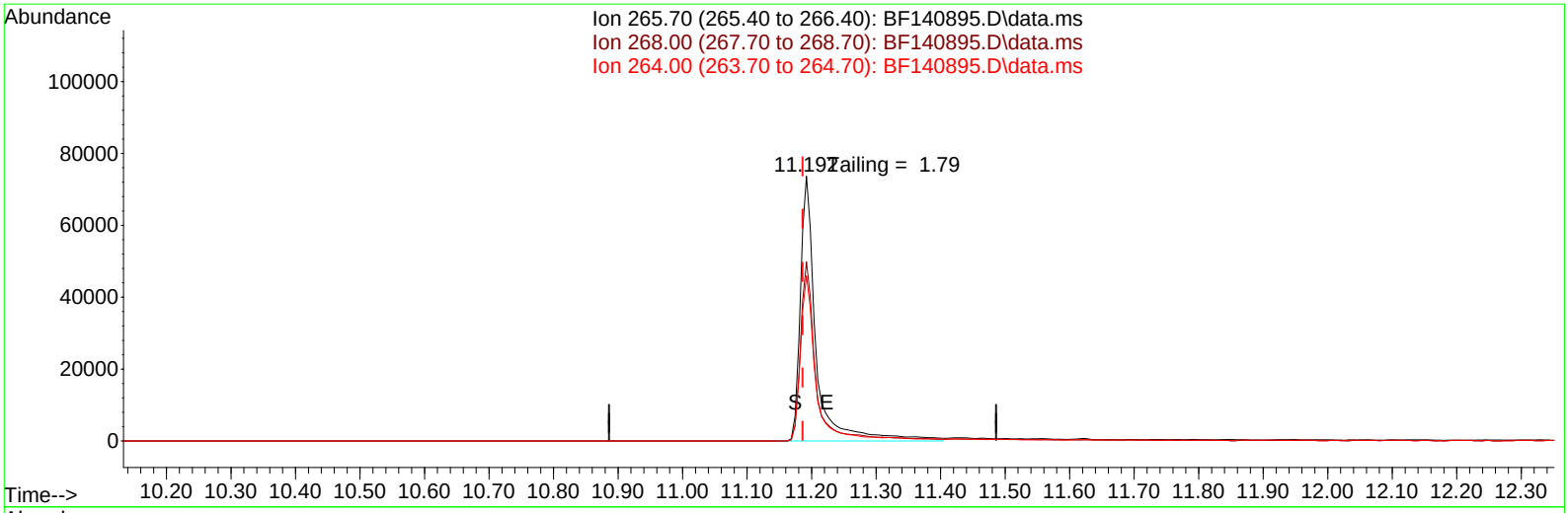
Instrument :
BNA_F
ClientSampleId :
DFTPP

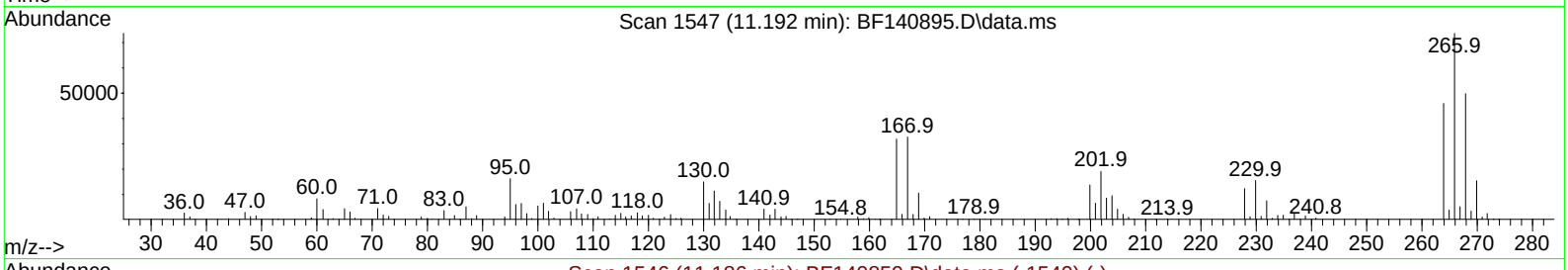
Sample Results: **BF140895.D**

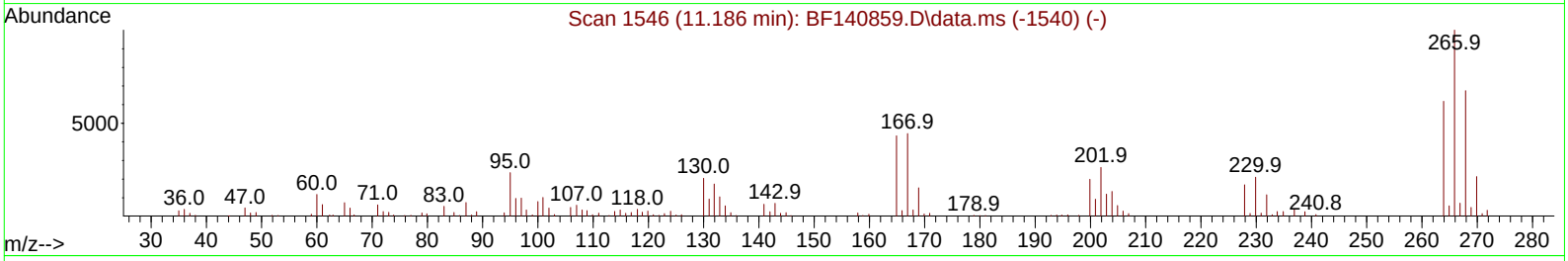
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140895.D
Acq On : 18 Dec 2024 09:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 18 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration







TIC: BF140895.D\data.ms

(70) Pentachlorophenol (C)

11.192min (+ 0.006) 3663.45 ng m

response 126345

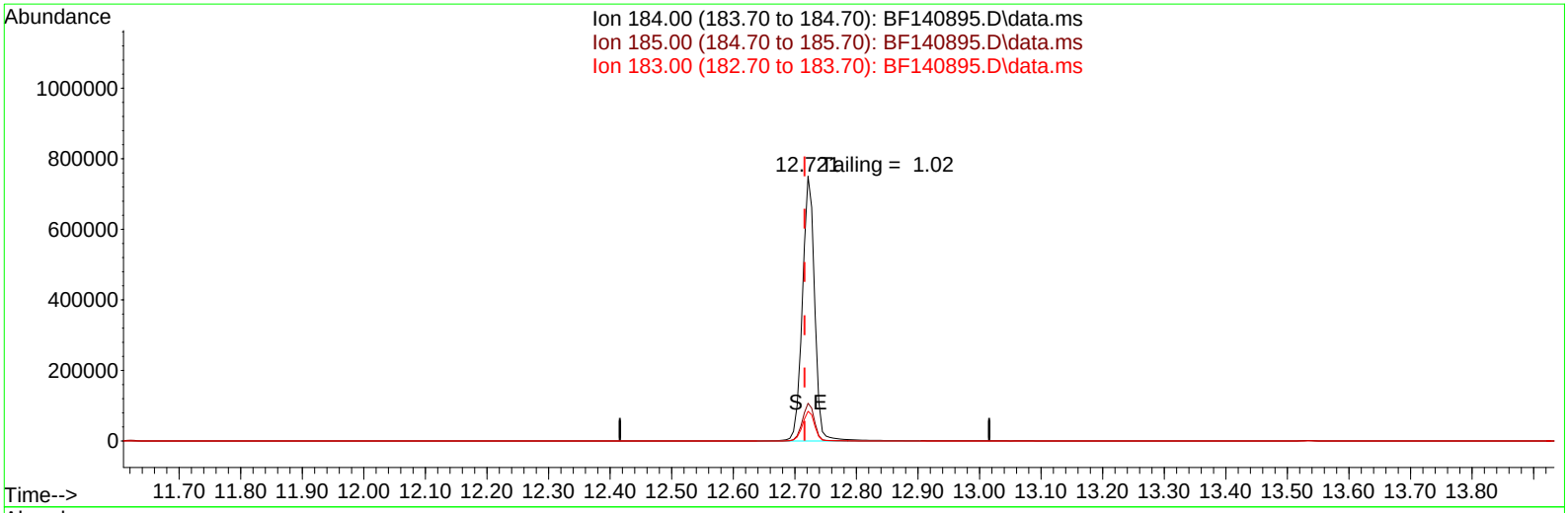
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.50	67.63
264.00	61.80	62.34
0.00	0.00	0.00

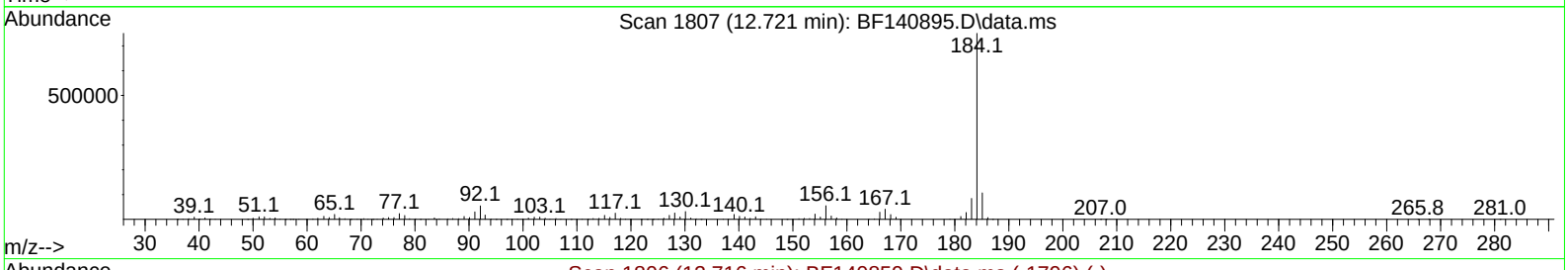
Sample Results: **BF140895.D**

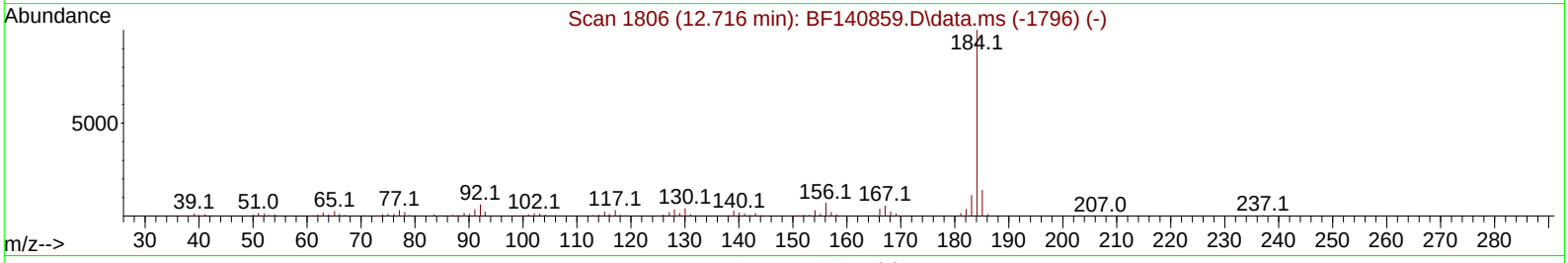
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140895.D
Acq On : 18 Dec 2024 09:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 18 11:45:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration







TIC: BF140895.D\data.ms

(77) Benzidine

12.721min (+ 0.005) 6539.55 ng

response 1054410

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	13.90	14.27
183.00	11.20	11.25
0.00	0.00	0.00

Raw Data: **BF140897.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	PB165648BL	SDG No.:	P5279
Lab Sample ID:	PB165648BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140897.D	1	12/16/24 09:20	12/18/24 11:27	PB165648

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.083	U	0.083	0.17	mg/Kg
208-96-8	Acenaphthylene	0.086	U	0.086	0.17	mg/Kg
83-32-9	Acenaphthene	0.081	U	0.081	0.17	mg/Kg
86-73-7	Fluorene	0.085	U	0.085	0.17	mg/Kg
85-01-8	Phenanthrene	0.084	U	0.084	0.17	mg/Kg
120-12-7	Anthracene	0.084	U	0.084	0.17	mg/Kg
206-44-0	Fluoranthene	0.082	U	0.082	0.17	mg/Kg
129-00-0	Pyrene	0.083	U	0.083	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.081	U	0.081	0.17	mg/Kg
218-01-9	Chrysene	0.079	U	0.079	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.081	U	0.081	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.083	U	0.083	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.093	U	0.093	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.078	U	0.078	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.081	U	0.081	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.080	U	0.080	0.17	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.1		18 - 107	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.2		20 - 109	84%	SPK: 100
1718-51-0	Terphenyl-d14	77.8		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	76800	6.846			
1146-65-2	Naphthalene-d8	304000	8.128			
15067-26-2	Acenaphthene-d10	184000	9.881			
1517-22-2	Phenanthrene-d10	373000	11.375			
1719-03-5	Chrysene-d12	284000	14.027			
1520-96-3	Perylene-d12	223000	15.527			

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

Report of Analysis

Client:	Tully Construction Co., Inc.			Date Collected:	
Project:	MTA Rockaway Park			Date Received:	
Client Sample ID:	PB165648BL			SDG No.:	P5279
Lab Sample ID:	PB165648BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOC-PAH
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
BF140897.D	1	12/16/24 09:20	12/18/24 11:27	PB165648

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140897.D
Acq On : 18 Dec 2024 11:27
Operator : RC/JU
Sample : PB165648BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Quant Time: Dec 18 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

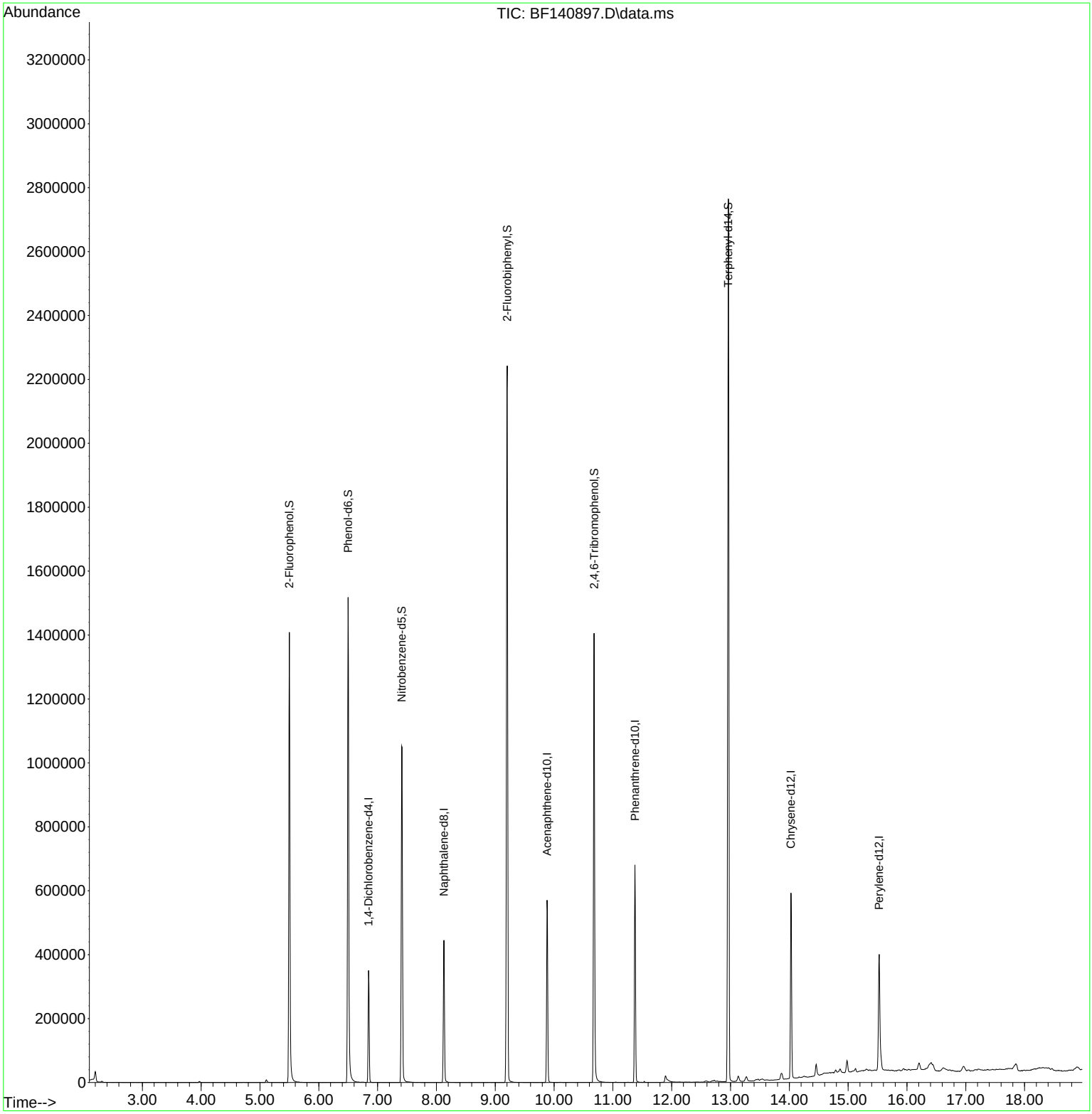
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	76848	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	304412	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	183535	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	373254	20.000	ng	0.00
76) Chrysene-d12	14.027	240	284135	20.000	ng	0.00
86) Perylene-d12	15.527	264	222606	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	558701	119.681	ng	0.01
7) Phenol-d6	6.498	99	779978	126.146	ng	0.00
23) Nitrobenzene-d5	7.410	82	542013	89.082	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	259926	119.743	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1123659	84.173	ng	0.00
79) Terphenyl-d14	12.963	244	1401330	77.770	ng	0.00
Target Compounds						Qvalue

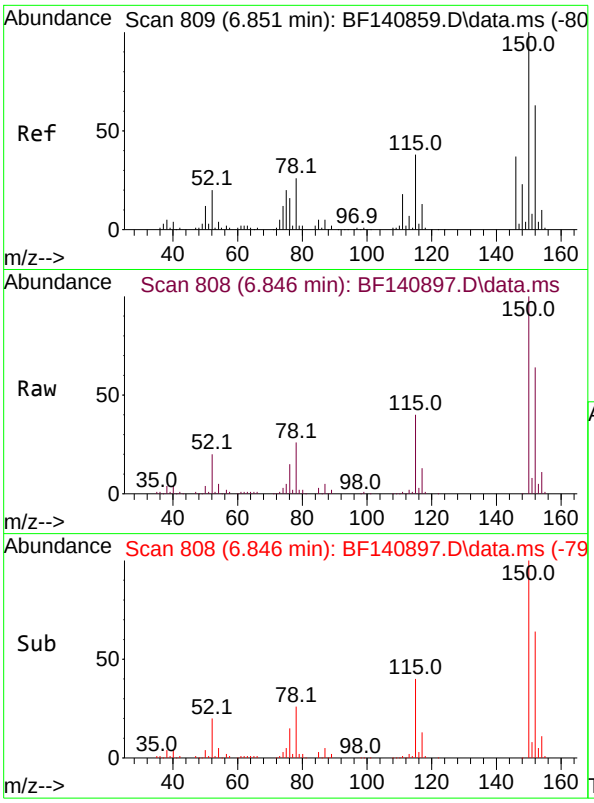
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140897.D
Acq On : 18 Dec 2024 11:27
Operator : RC/JU
Sample : PB165648BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Quant Time: Dec 18 11:55:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



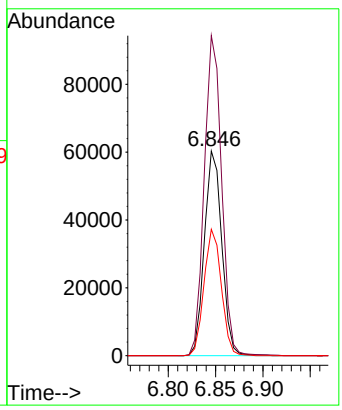


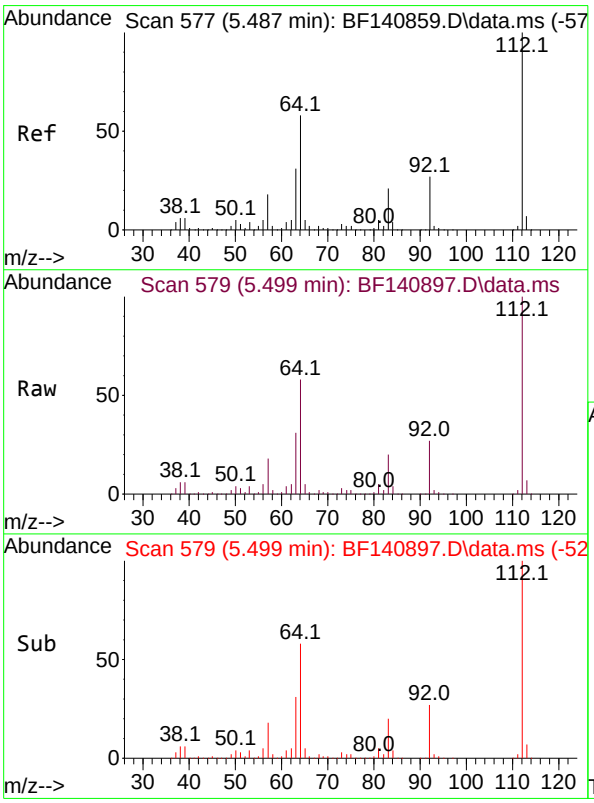
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion:152 Resp: 76848

Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.9	191.9
115	61.8	48.0	72.0

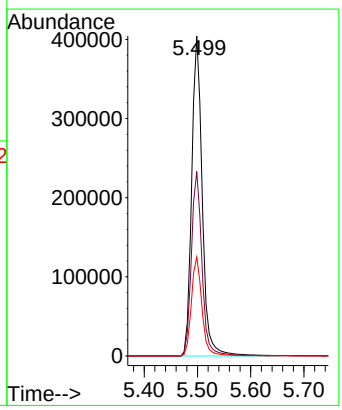


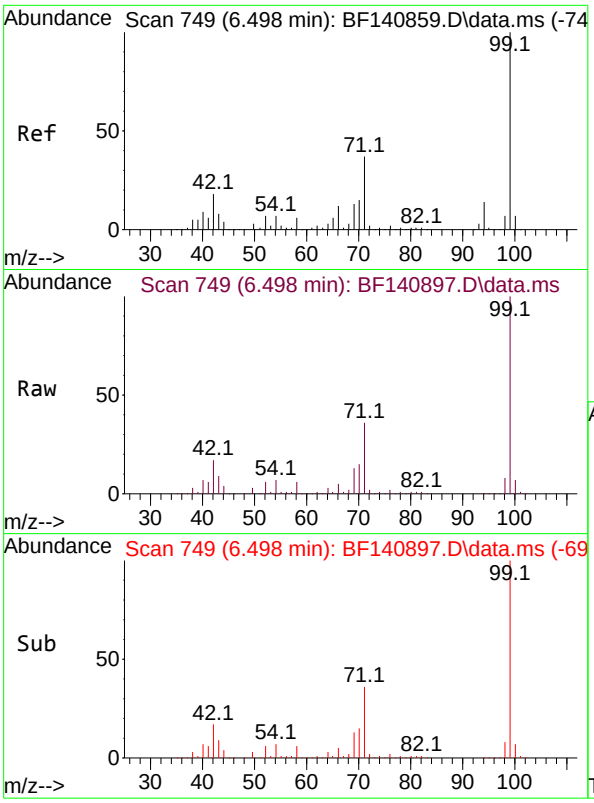


#5
2-Fluorophenol
Concen: 119.681 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:112 Resp: 558701

Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.1	69.1
63	30.9	24.9	37.3



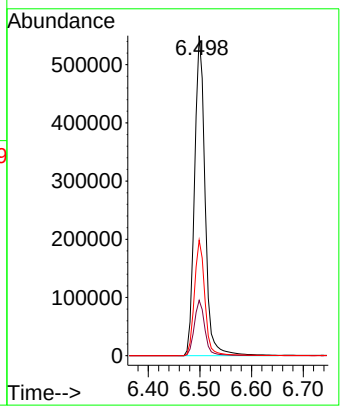


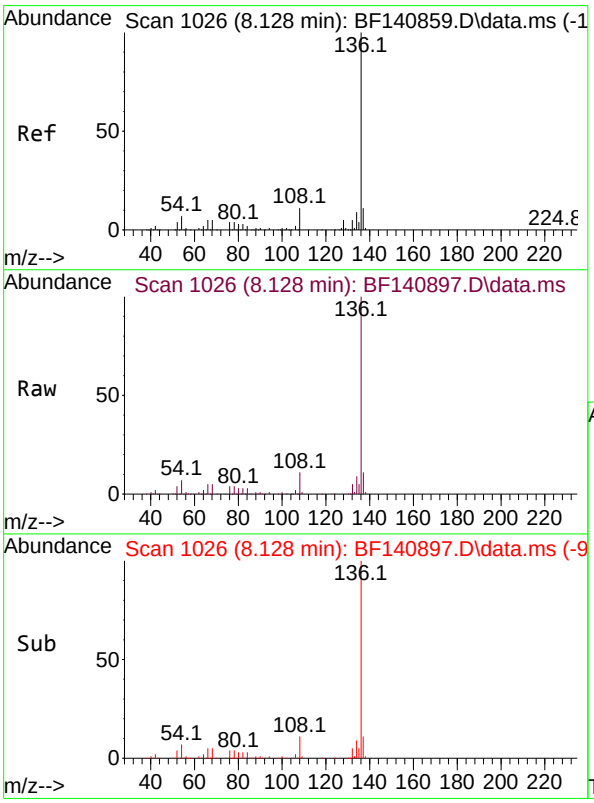
#7
Phenol-d6
Concen: 126.146 ng
RT: 6.498 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion: 99 Resp: 779978

Ion	Ratio	Lower	Upper
99	100		
42	17.3	14.3	21.5
71	36.1	29.9	44.9

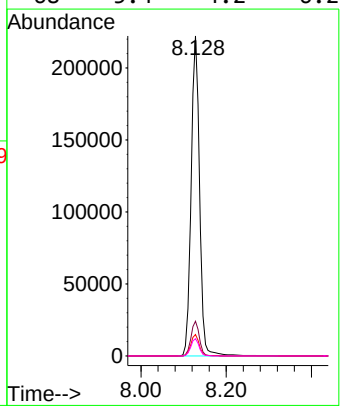


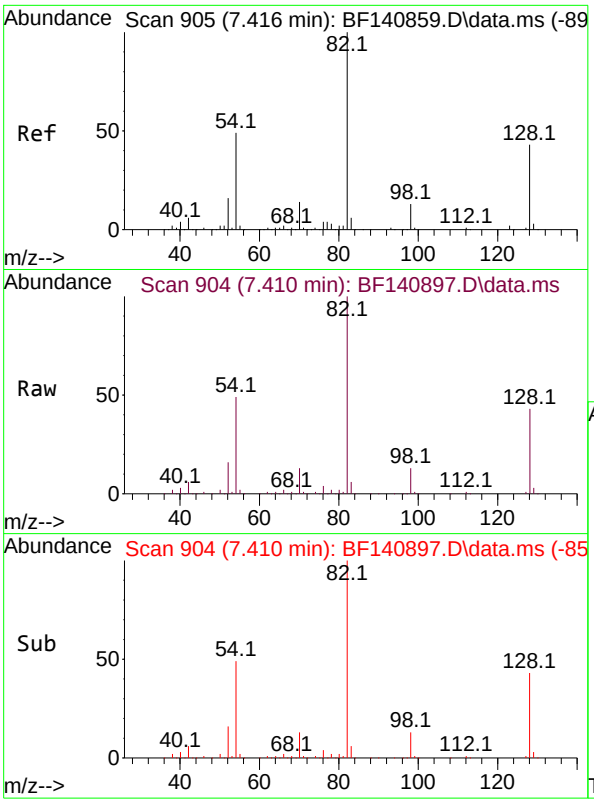


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:136 Resp: 304412

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.7	5.6	8.4
68	5.4	4.2	6.2



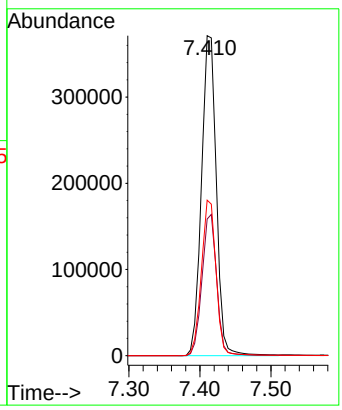


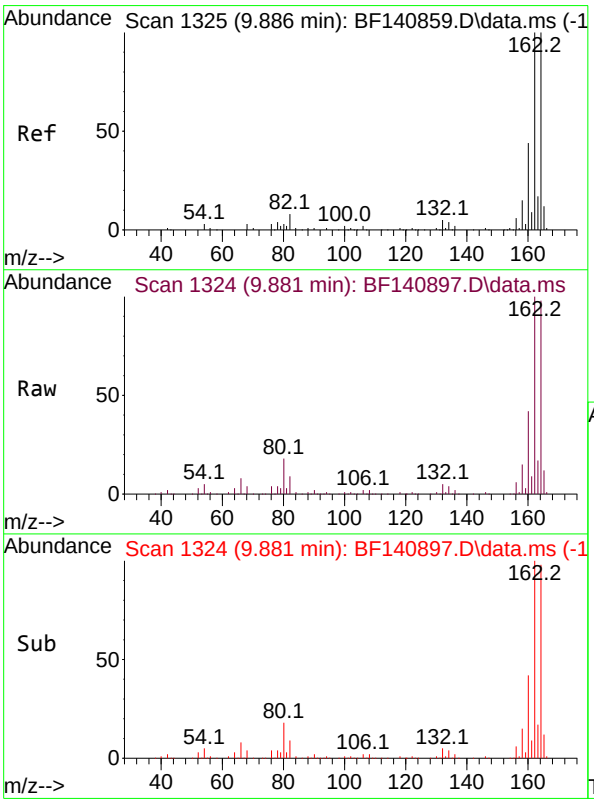
#23
Nitrobenzene-d5
Concen: 89.082 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion: 82 Resp: 542013

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.4	51.6
54	48.6	38.8	58.2

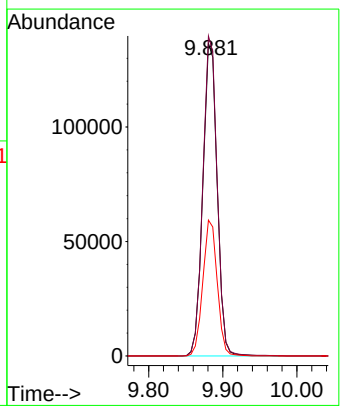


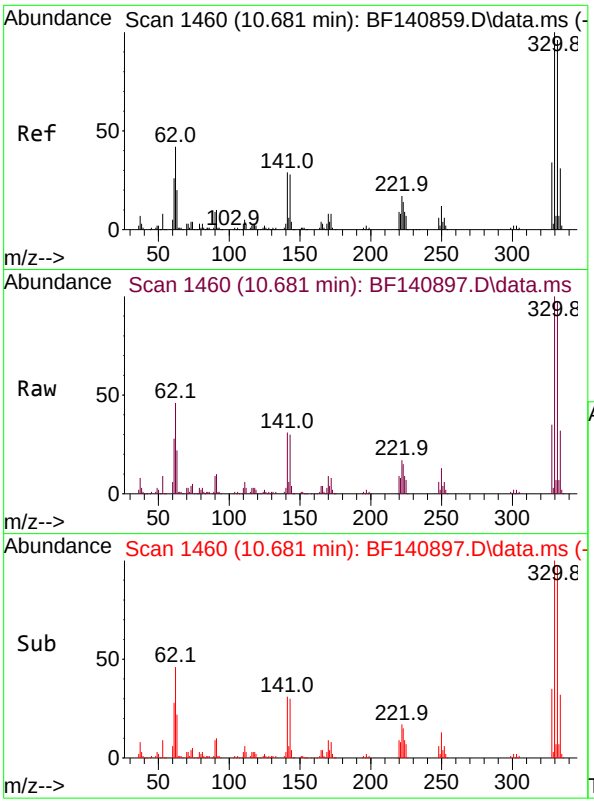


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:164 Resp: 183535

Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.9	119.9
160	43.4	35.2	52.8



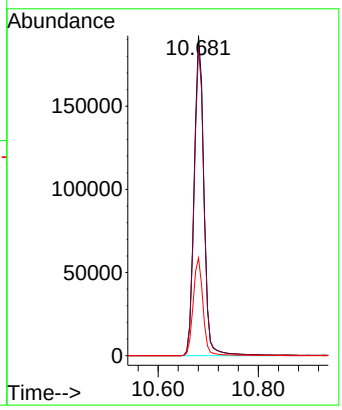


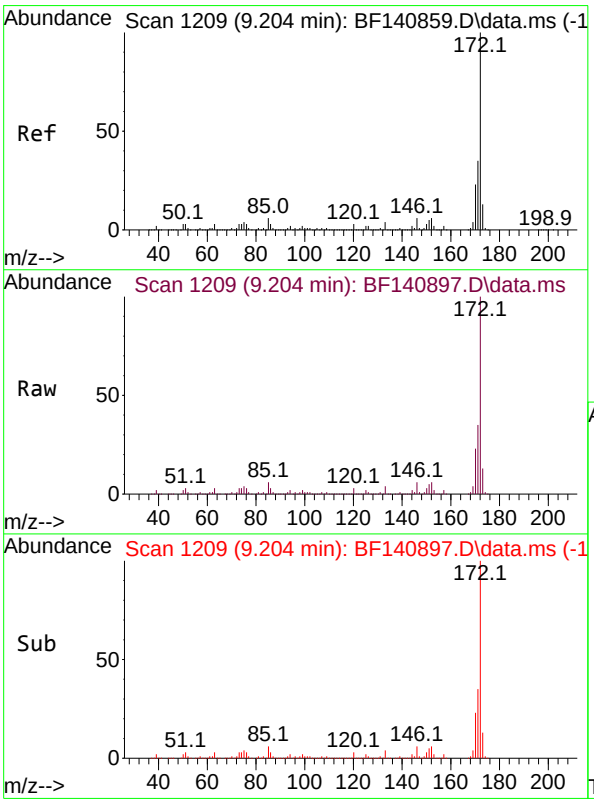
#42
2,4,6-Tribromophenol
Concen: 119.743 ng
RT: 10.681 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion:330 Resp: 259926

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.4
141	30.9	24.9	37.3

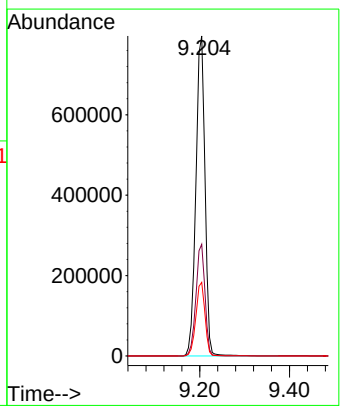


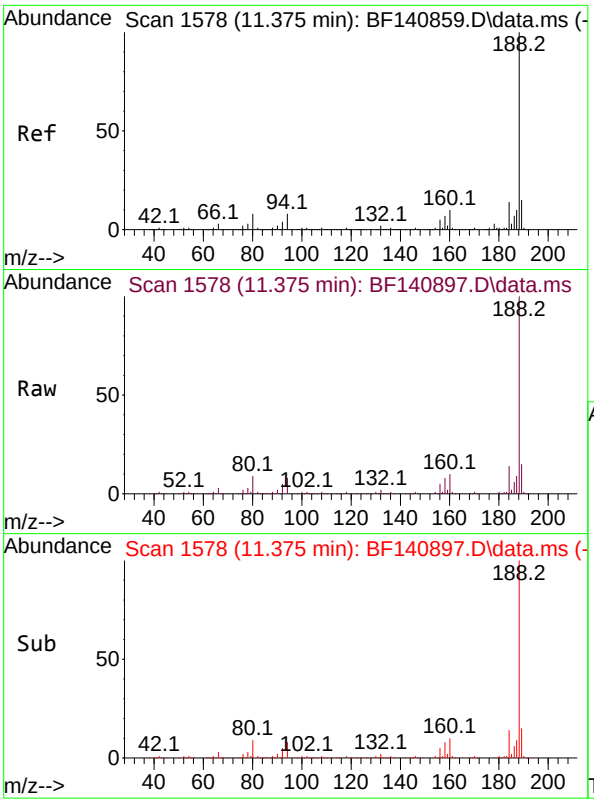


#45
2-Fluorobiphenyl
Concen: 84.173 ng
RT: 9.204 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:172 Resp: 1123659

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.4	42.6
170	23.0	18.6	28.0



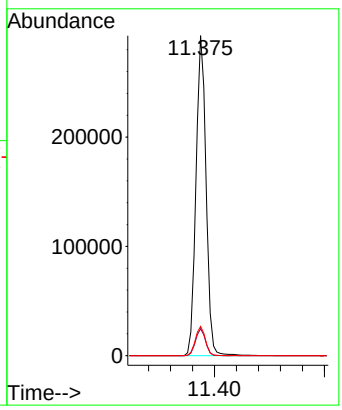


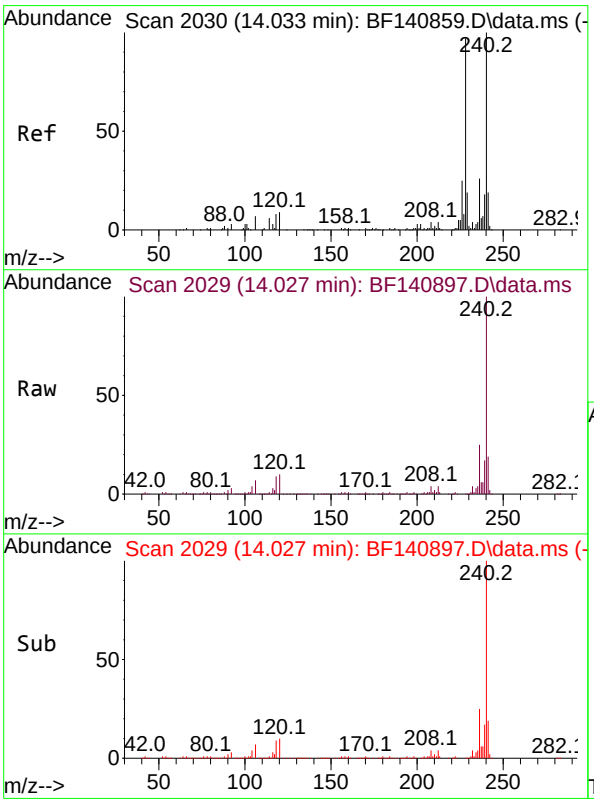
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion:188 Resp: 373254

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	9.1	6.8	10.2

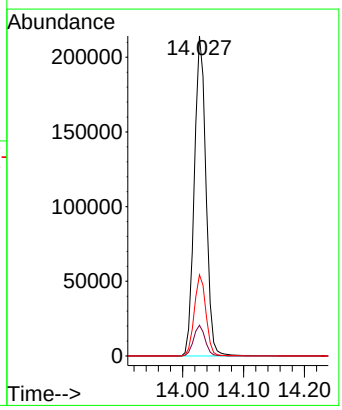


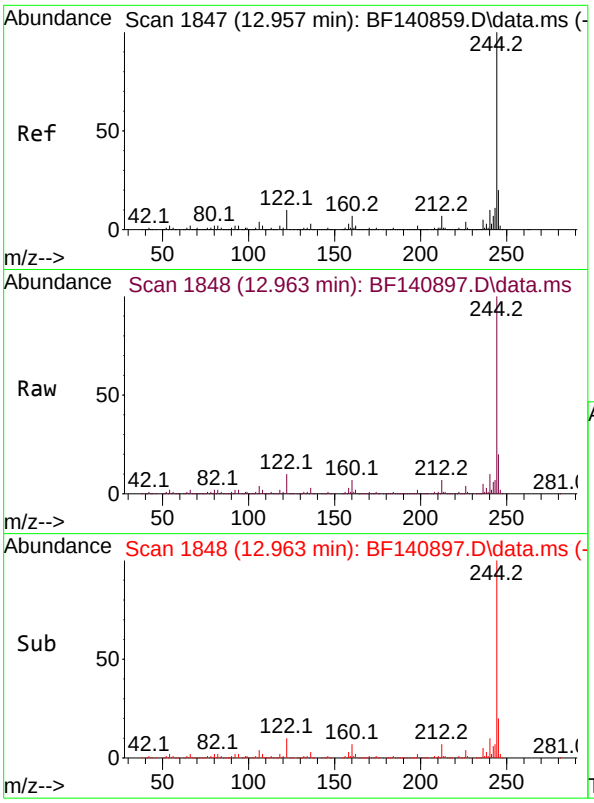


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:240 Resp: 284135

Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.6	11.4
236	25.4	20.5	30.7



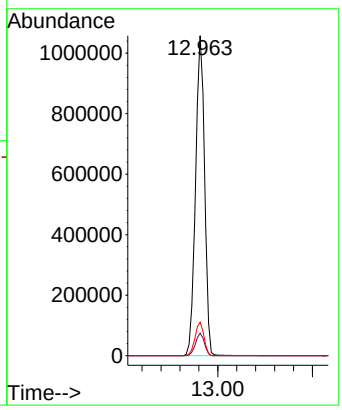


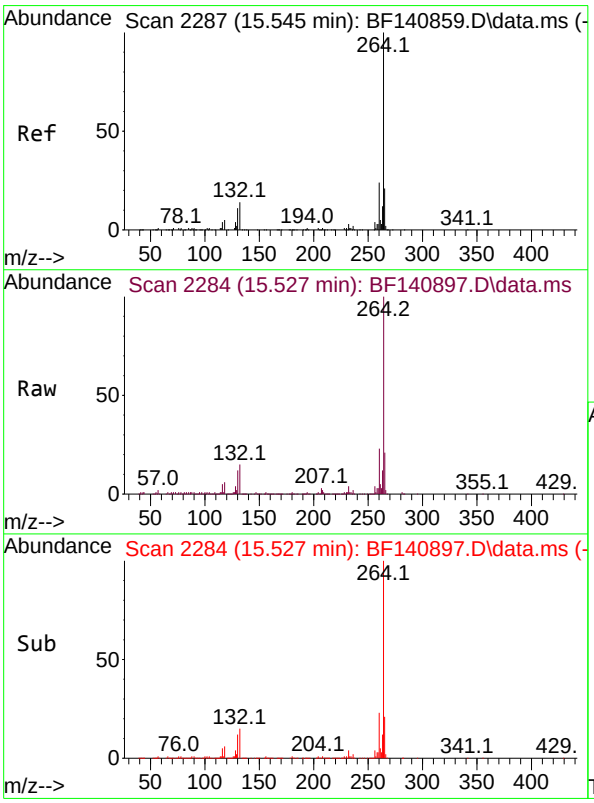
#79
Terphenyl-d14
Concen: 77.770 ng
RT: 12.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Instrument :
BNA_F
ClientSampleId :
PB165648BL

Tgt Ion:244 Resp: 1401330

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.5	8.2	12.2

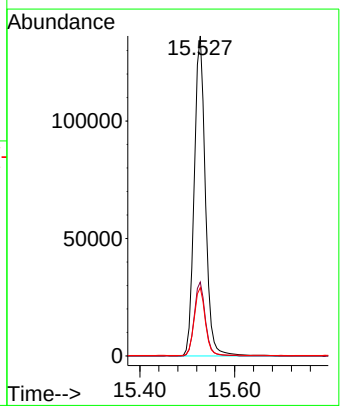




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.018 min
Lab File: BF140897.D
Acq: 18 Dec 2024 11:27

Tgt Ion:264 Resp: 222606

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.3	17.0	25.4



Raw Data: **BF140898.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	
Project:	MTA Rockaway Park	Date Received:	
Client Sample ID:	PB165648BS	SDG No.:	P5279
Lab Sample ID:	PB165648BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140898.D	1	12/16/24 09:20	12/18/24 11:53	PB165648

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1.50		0.083	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.087	0.17	mg/Kg
83-32-9	Acenaphthene	1.50		0.081	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.086	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.084	0.17	mg/Kg
120-12-7	Anthracene	1.50		0.084	0.17	mg/Kg
206-44-0	Fluoranthene	1.60		0.082	0.17	mg/Kg
129-00-0	Pyrene	1.50		0.083	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.60		0.081	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.080	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.80		0.081	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.80		0.083	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.70		0.093	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.90		0.078	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.90		0.081	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.80		0.080	0.17	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	89.6		18 - 107	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		20 - 109	83%	SPK: 100
1718-51-0	Terphenyl-d14	88.7		10 - 105	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81500	6.851			
1146-65-2	Naphthalene-d8	322000	8.128			
15067-26-2	Acenaphthene-d10	194000	9.886			
1517-22-2	Phenanthrene-d10	376000	11.38			
1719-03-5	Chrysene-d12	250000	14.033			
1520-96-3	Perylene-d12	160000	15.521			

Raw Data: **BF140898.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tully Construction Co., Inc.			Date Collected:	
Project:	MTA Rockaway Park			Date Received:	
Client Sample ID:	PB165648BS			SDG No.:	P5279
Lab Sample ID:	PB165648BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	SVOC-PAH
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
BF140898.D	1	12/16/24 09:20	12/18/24 11:53	PB165648

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140898.D
Acq On : 18 Dec 2024 11:53
Operator : RC/JU
Sample : PB165648BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165648BS

Quant Time: Dec 18 12:13:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.851	152	81466	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	321545	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	194109	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	376011	20.000	ng		0.00
76) Chrysene-d12	14.033	240	249574	20.000	ng		0.00
86) Perylene-d12	15.521	264	160098	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	583314	117.870	ng		0.01
7) Phenol-d6	6.504	99	831170	126.805	ng		0.00
23) Nitrobenzene-d5	7.416	82	575920	89.611	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	280200	122.051	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	1169978	82.868	ng		0.00
79) Terphenyl-d14	12.963	244	1403097	88.651	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	65714	30.828	ng		98
3) Pyridine	3.493	79	173659	35.178	ng		99
4) n-Nitrosodimethylamine	3.434	42	96173	38.645	ng		99
6) Aniline	6.516	93	229679	40.982	ng	#	83
8) 2-Chlorophenol	6.645	128	257377	47.692	ng		99
9) Benzaldehyde	6.404	77	58402	16.080	ng		98
10) Phenol	6.516	94	309555	45.567	ng		95
11) bis(2-Chloroethyl)ether	6.587	93	235747	46.532	ng		99
12) 1,3-Dichlorobenzene	6.793	146	268095	43.597	ng		98
13) 1,4-Dichlorobenzene	6.869	146	277700	44.489	ng		99
14) 1,2-Dichlorobenzene	7.016	146	264464	44.905	ng		99
15) Benzyl Alcohol	6.998	79	230253	49.130	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	298893	50.081	ng		91
17) 2-Methylphenol	7.122	107	208414	48.372	ng		99
18) Hexachloroethane	7.357	117	107362	46.202	ng		100
19) n-Nitroso-di-n-propyla...	7.263	70	190226	48.381	ng		99
20) 3+4-Methylphenols	7.275	107	281325	49.240	ng	#	79
22) Acetophenone	7.263	105	369385	45.923	ng		97
24) Nitrobenzene	7.434	77	290004	44.046	ng		98
25) Isophorone	7.675	82	492616	45.746	ng		99
26) 2-Nitrophenol	7.751	139	138796	45.770	ng		98
27) 2,4-Dimethylphenol	7.792	122	200742	56.684	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	311836	46.364	ng		99
29) 2,4-Dichlorophenol	8.004	162	230011	47.044	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	237704	42.410	ng		99
31) Naphthalene	8.151	128	784437	44.412	ng		100
32) Benzoic acid	7.945	122	134951	40.180	ng		98
33) 4-Chloroaniline	8.210	127	211125	35.989	ng		98
34) Hexachlorobutadiene	8.263	225	157905	41.874	ng		99
35) Caprolactam	8.592	113	70797m	48.638	ng		
36) 4-Chloro-3-methylphenol	8.704	107	255560	46.440	ng		99
37) 2-Methylnaphthalene	8.845	142	534622	45.757	ng		99
38) 1-Methylnaphthalene	8.945	142	473229	40.954	ng		99
40) 1,2,4,5-Tetrachloroben...	9.010	216	247370	41.462	ng		99
41) Hexachlorocyclopentadiene	8.992	237	90708	54.438	ng		98
43) 2,4,6-Trichlorophenol	9.134	196	151672	41.517	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140898.D
Acq On : 18 Dec 2024 11:53
Operator : RC/JU
Sample : PB165648BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165648BS

Quant Time: Dec 18 12:13:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

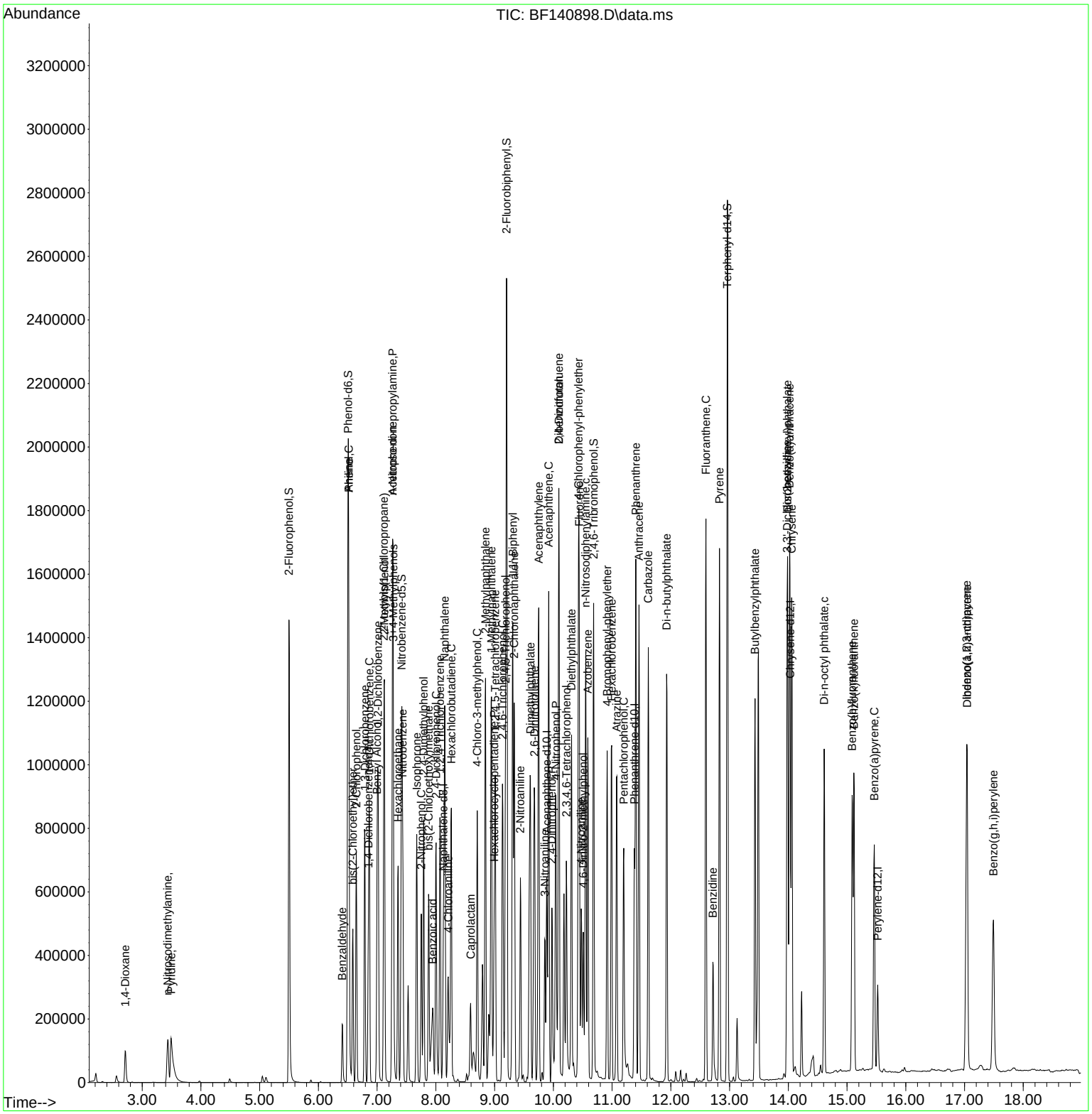
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	167704	41.765	ng	99
46) 1,1'-Biphenyl	9.310	154	685310	44.399	ng	99
47) 2-Chloronaphthalene	9.334	162	512722	43.421	ng	99
48) 2-Nitroaniline	9.439	65	154676	43.373	ng	98
49) Acenaphthylene	9.751	152	803775	46.319	ng	100
50) Dimethylphthalate	9.610	163	603291	44.084	ng	100
51) 2,6-Dinitrotoluene	9.681	165	131558	42.051	ng	98
52) Acenaphthene	9.922	154	503186	45.394	ng	99
53) 3-Nitroaniline	9.857	138	106510	34.306	ng	99
54) 2,4-Dinitrophenol	9.975	184	125574	82.078	ng	97
55) Dibenzofuran	10.092	168	701119	40.819	ng	99
56) 4-Nitrophenol	10.045	139	136436	81.602	ng	98
57) 2,4-Dinitrotoluene	10.092	165	169913	41.278	ng	99
58) Fluorene	10.439	166	574606	40.550	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	147229	44.997	ng	97
60) Diethylphthalate	10.310	149	595197	41.942	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	288758	40.567	ng	97
62) 4-Nitroaniline	10.475	138	137998	42.534	ng	97
63) Azobenzene	10.586	77	563264	42.220	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	99041	46.483	ng	98
66) n-Nitrosodiphenylamine	10.551	169	500843	43.323	ng	100
67) 4-Bromophenyl-phenylether	10.916	248	182852	43.469	ng	98
68) Hexachlorobenzene	10.992	284	212451	44.545	ng	99
69) Atrazine	11.080	200	181375	56.175	ng	99
70) Pentachlorophenol	11.198	266	150698	86.424	ng	98
71) Phenanthrene	11.404	178	872468	45.121	ng	99
72) Anthracene	11.457	178	832992	43.744	ng	100
73) Carbazole	11.616	167	792291	42.479	ng	100
74) Di-n-butylphthalate	11.927	149	970067	44.316	ng	100
75) Fluoranthene	12.598	202	1039886	46.697	ng	99
77) Benzidine	12.716	184	238801	46.882	ng	99
78) Pyrene	12.827	202	985093	44.386	ng	99
80) Butylbenzylphthalate	13.433	149	398878	48.845	ng	99
81) Benzo(a)anthracene	14.021	228	841790	47.591	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	179767	33.686	ng	98
83) Chrysene	14.057	228	776184	48.257	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	513500	48.767	ng	100
85) Di-n-octyl phthalate	14.610	149	699770	43.927	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	580122	58.066	ng	100
88) Benzo(b)fluoranthene	15.086	252	588364	52.943	ng	100
89) Benzo(k)fluoranthene	15.115	252	503122	52.778	ng	99
90) Benzo(a)pyrene	15.463	252	451158	51.845	ng	99
91) Dibenzo(a,h)anthracene	17.045	278	477268	57.663	ng	99
92) Benzo(g,h,i)perylene	17.492	276	464957	55.195	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140898.D
Acq On : 18 Dec 2024 11:53
Operator : RC/JU
Sample : PB165648BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165648BS

Quant Time: Dec 18 12:13:30 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



Raw Data: **BF140909.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/12/24
Project:	MTA Rockaway Park	Date Received:	12/13/24
Client Sample ID:	COMP-1AMS	SDG No.:	P5279
Lab Sample ID:	P5277-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140909.D	1	12/16/24 09:20	12/18/24 16:46	PB165648

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1.80		0.093	0.19	mg/Kg
208-96-8	Acenaphthylene	1.90		0.098	0.19	mg/Kg
83-32-9	Acenaphthene	1.90		0.092	0.19	mg/Kg
86-73-7	Fluorene	1.80		0.097	0.19	mg/Kg
85-01-8	Phenanthrene	1.90		0.095	0.19	mg/Kg
120-12-7	Anthracene	2.00		0.095	0.19	mg/Kg
206-44-0	Fluoranthene	1.80		0.092	0.19	mg/Kg
129-00-0	Pyrene	2.10		0.094	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	1.80		0.091	0.19	mg/Kg
218-01-9	Chrysene	1.90		0.090	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.80		0.092	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.70		0.093	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	2.00		0.10	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.00		0.088	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.00		0.092	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.80		0.090	0.19	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	67.1		18 - 107	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.1		20 - 109	77%	SPK: 100
1718-51-0	Terphenyl-d14	74.2		10 - 105	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	67200	6.845			
1146-65-2	Naphthalene-d8	255000	8.128			
15067-26-2	Acenaphthene-d10	136000	9.886			
1517-22-2	Phenanthrene-d10	272000	11.38			
1719-03-5	Chrysene-d12	156000	14.027			
1520-96-3	Perylene-d12	148000	15.51			

Raw Data: **BF140909.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/12/24
Project:	MTA Rockaway Park	Date Received:	12/13/24
Client Sample ID:	COMP-1AMS	SDG No.:	P5279
Lab Sample ID:	P5277-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140909.D	1	12/16/24 09:20	12/18/24 16:46	PB165648

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140909.D
Acq On : 18 Dec 2024 16:46
Operator : RC/JU
Sample : P5277-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMS

Quant Time: Dec 18 17:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	67242	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	255498	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	136301	20.000	ng		0.00
64) Phenanthrene-d10	11.380	188	272033	20.000	ng		0.00
76) Chrysene-d12	14.027	240	155658	20.000	ng		0.00
86) Perylene-d12	15.510	264	148257	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	435764	106.681	ng		0.00
7) Phenol-d6	6.498	99	575538	106.379	ng		0.00
23) Nitrobenzene-d5	7.416	82	342485	67.065	ng		0.00
42) 2,4,6-Tribromophenol	10.680	330	161314	100.067	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	764321	77.096	ng		0.00
79) Terphenyl-d14	12.957	244	732431	74.198	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	62100	35.296	ng		99
3) Pyridine	3.428	79	168243	41.291	ng		96
4) n-Nitrosodimethylamine	3.375	42	85506	41.627	ng		97
6) Aniline	6.516	93	186415	40.298	ng	#	77
8) 2-Chlorophenol	6.645	128	240402	53.970	ng		99
9) Benzaldehyde	6.404	77	50224	16.754	ng		98
10) Phenol	6.516	94	309370	55.172	ng		97
11) bis(2-Chloroethyl)ether	6.581	93	215759	51.596	ng		99
12) 1,3-Dichlorobenzene	6.787	146	239599	47.205	ng		98
13) 1,4-Dichlorobenzene	6.863	146	245830	47.714	ng		99
14) 1,2-Dichlorobenzene	7.016	146	234727	48.287	ng		98
15) Benzyl Alcohol	6.998	79	217499	56.225	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	262545	53.296	ng		86
17) 2-Methylphenol	7.116	107	191520	53.854	ng		98
18) Hexachloroethane	7.351	117	84745	44.183	ng		94
19) n-Nitroso-di-n-propyla...	7.263	70	161199	49.671	ng		99
20) 3+4-Methylphenols	7.275	107	246017	52.169	ng	#	76
22) Acetophenone	7.257	105	316794	49.566	ng		95
24) Nitrobenzene	7.434	77	239158	45.713	ng		99
25) Isophorone	7.675	82	435795	50.930	ng		100
26) 2-Nitrophenol	7.751	139	121820	50.557	ng		98
27) 2,4-Dimethylphenol	7.792	122	171918	61.094	ng		98
28) bis(2-Chloroethoxy)met...	7.875	93	261953	49.016	ng		98
29) 2,4-Dichlorophenol	8.004	162	197934	50.948	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	199858	44.876	ng		100
31) Naphthalene	8.151	128	666706	47.504	ng		100
32) Benzoic acid	7.945	122	111616	41.823	ng		99
33) 4-Chloroaniline	8.210	127	88377	18.960	ng		99
34) Hexachlorobutadiene	8.263	225	130118	43.425	ng		100
35) Caprolactam	8.592	113	65627m	56.742	ng		
36) 4-Chloro-3-methylphenol	8.704	107	228442	52.244	ng		100
37) 2-Methylnaphthalene	8.845	142	474332	51.091	ng		100
38) 1-Methylnaphthalene	8.945	142	450588	49.074	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	232660	55.535	ng		99
41) Hexachlorocyclopentadiene	8.992	237	85564	65.232	ng		98
43) 2,4,6-Trichlorophenol	9.134	196	144706	56.410	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140909.D
Acq On : 18 Dec 2024 16:46
Operator : RC/JU
Sample : P5277-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMS

Quant Time: Dec 18 17:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

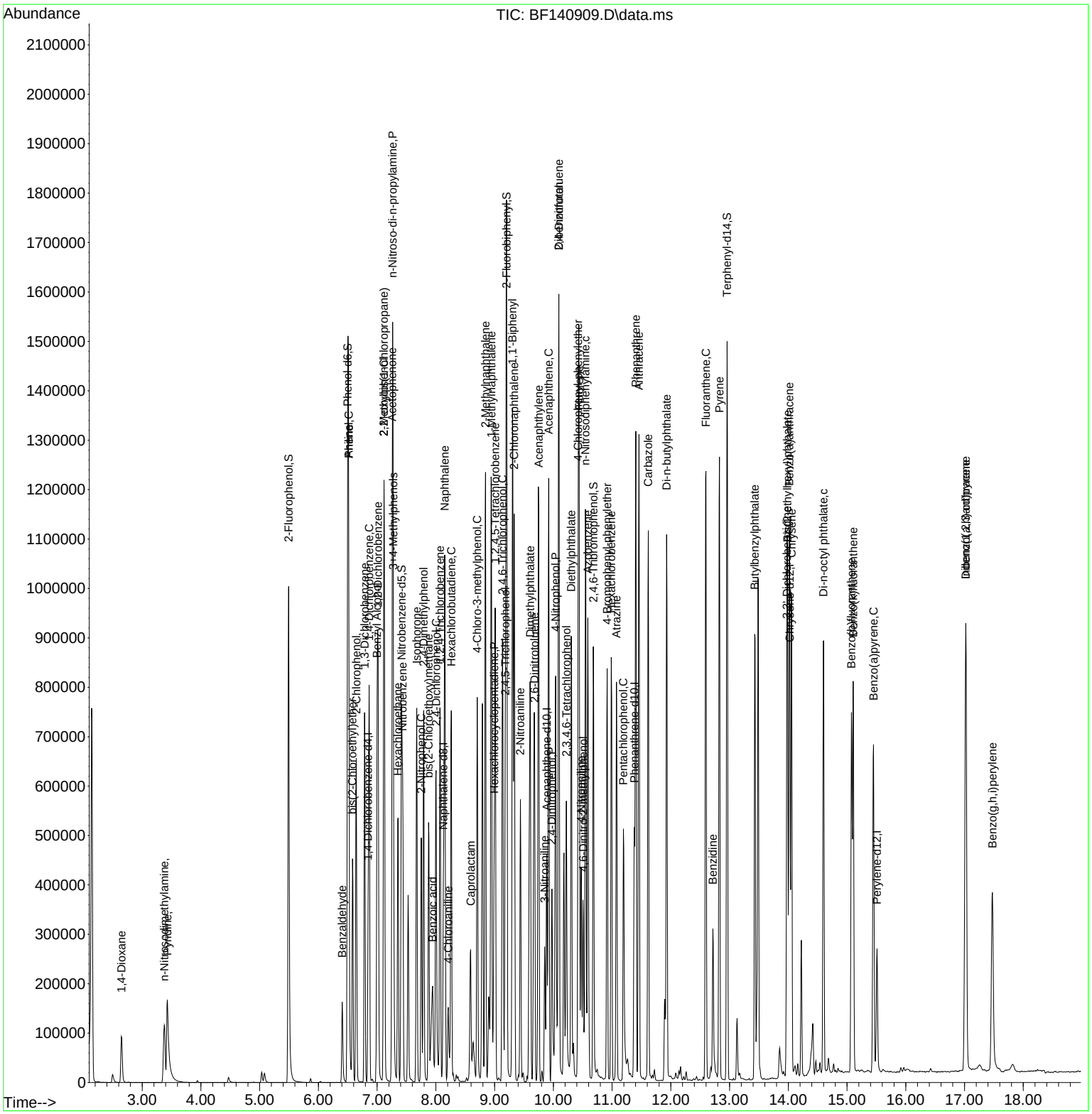
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	155675	55.212	ng	99
46) 1,1'-Biphenyl	9.304	154	622578	57.442	ng	99
47) 2-Chloronaphthalene	9.334	162	464049	55.966	ng	99
48) 2-Nitroaniline	9.439	65	133365	53.257	ng	98
49) Acenaphthylene	9.751	152	624390	51.242	ng	100
50) Dimethylphthalate	9.604	163	466062	48.500	ng	100
51) 2,6-Dinitrotoluene	9.681	165	102016	46.438	ng	97
52) Acenaphthene	9.922	154	383137	49.224	ng	100
53) 3-Nitroaniline	9.851	138	61640	28.274	ng	99
54) 2,4-Dinitrophenol	9.975	184	91734	85.126	ng	98
55) Dibenzofuran	10.092	168	579771	48.070	ng	99
56) 4-Nitrophenol	10.039	139	98890	84.087	ng	89
57) 2,4-Dinitrotoluene	10.092	165	134779	46.629	ng	97
58) Fluorene	10.439	166	479721	48.212	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	120510	52.452	ng	95
60) Diethylphthalate	10.304	149	481875	48.358	ng	99
61) 4-Chlorophenyl-phenyle...	10.422	204	235996	47.216	ng	99
62) 4-Nitroaniline	10.475	138	105321m	46.230	ng	
63) Azobenzene	10.586	77	491415	52.457	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	76076	49.352	ng	96
66) n-Nitrosodiphenylamine	10.545	169	419931	50.208	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	145477	47.802	ng	98
68) Hexachlorobenzene	10.986	284	165914	48.085	ng	97
69) Atrazine	11.075	200	142211	60.880	ng	100
70) Pentachlorophenol	11.192	266	113331	89.837	ng	98
71) Phenanthrene	11.404	178	696298	49.774	ng	100
72) Anthracene	11.457	178	715772	51.956	ng	99
73) Carbazole	11.616	167	641103	47.511	ng	99
74) Di-n-butylphthalate	11.927	149	793353	50.096	ng	100
75) Fluoranthene	12.598	202	756629	46.964	ng	100
77) Benzidine	12.716	184	182355	57.400	ng	100
78) Pyrene	12.827	202	761470	55.012	ng	99
80) Butylbenzylphthalate	13.427	149	282644	55.495	ng	98
81) Benzo(a)anthracene	14.016	228	541249	49.062	ng	100
82) 3,3'-Dichlorobenzidine	13.974	252	100249	30.119	ng	98
83) Chrysene	14.057	228	505382	50.378	ng	100
84) Bis(2-ethylhexyl)phtha...	13.986	149	368914	56.174	ng	100
85) Di-n-octyl phthalate	14.598	149	594076	59.793	ng	99
87) Indeno(1,2,3-cd)pyrene	17.021	276	486547	52.589	ng	100
88) Benzo(b)fluoranthene	15.074	252	489488	47.564	ng	99
89) Benzo(k)fluoranthene	15.104	252	398610	45.154	ng	100
90) Benzo(a)pyrene	15.451	252	422870	52.476	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	407291	53.139	ng	99
92) Benzo(g,h,i)perylene	17.474	276	364899	46.777	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140909.D
Acq On : 18 Dec 2024 16:46
Operator : RC/JU
Sample : P5277-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMS

Quant Time: Dec 18 17:18:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



Raw Data: **BF140910.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/12/24
Project:	MTA Rockaway Park	Date Received:	12/13/24
Client Sample ID:	COMP-1AMSD	SDG No.:	P5279
Lab Sample ID:	P5277-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140910.D	1	12/16/24 09:20	12/18/24 17:12	PB165648

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1.70		0.093	0.19	mg/Kg
208-96-8	Acenaphthylene	1.90		0.097	0.19	mg/Kg
83-32-9	Acenaphthene	1.80		0.091	0.19	mg/Kg
86-73-7	Fluorene	1.80		0.096	0.19	mg/Kg
85-01-8	Phenanthrene	1.90		0.095	0.19	mg/Kg
120-12-7	Anthracene	2.00		0.095	0.19	mg/Kg
206-44-0	Fluoranthene	1.70		0.092	0.19	mg/Kg
129-00-0	Pyrene	2.00		0.094	0.19	mg/Kg
56-55-3	Benzo(a)anthracene	1.90		0.091	0.19	mg/Kg
218-01-9	Chrysene	1.70		0.090	0.19	mg/Kg
205-99-2	Benzo(b)fluoranthene	2.00		0.091	0.19	mg/Kg
207-08-9	Benzo(k)fluoranthene	2.10		0.093	0.19	mg/Kg
50-32-8	Benzo(a)pyrene	1.90		0.10	0.19	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2.10		0.088	0.19	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	2.10		0.092	0.19	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.60		0.090	0.19	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.1		20 - 109	65%	SPK: 100
1718-51-0	Terphenyl-d14	71.5		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	72200	6.845			
1146-65-2	Naphthalene-d8	287000	8.128			
15067-26-2	Acenaphthene-d10	160000	9.886			
1517-22-2	Phenanthrene-d10	298000	11.375			
1719-03-5	Chrysene-d12	175000	14.027			
1520-96-3	Perylene-d12	151000	15.51			

Raw Data: **BF140910.D**

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	12/12/24
Project:	MTA Rockaway Park	Date Received:	12/13/24
Client Sample ID:	COMP-1AMSD	SDG No.:	P5279
Lab Sample ID:	P5277-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
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
BF140910.D	1	12/16/24 09:20	12/18/24 17:12	PB165648

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140910.D
Acq On : 18 Dec 2024 17:12
Operator : RC/JU
Sample : P5277-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMSD

Quant Time: Dec 18 18:05:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	72196	20.000	ng		0.00
21) Naphthalene-d8	8.128	136	286565	20.000	ng		0.00
39) Acenaphthene-d10	9.886	164	159772	20.000	ng		0.00
64) Phenanthrene-d10	11.375	188	297605	20.000	ng		0.00
76) Chrysene-d12	14.027	240	174501	20.000	ng		0.00
86) Perylene-d12	15.510	264	150856	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	412800	94.125	ng		0.00
7) Phenol-d6	6.498	99	584421	100.609	ng		0.00
23) Nitrobenzene-d5	7.416	82	364156	63.578	ng		0.00
42) 2,4,6-Tribromophenol	10.686	330	187973	99.475	ng		0.00
45) 2-Fluorobiphenyl	9.204	172	756115	65.064	ng		0.00
79) Terphenyl-d14	12.957	244	791563	71.529	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.652	88	63566	33.650	ng		98
3) Pyridine	3.434	79	165834	37.907	ng		99
4) n-Nitrosodimethylamine	3.381	42	81857	37.116	ng		94
6) Aniline	6.516	93	183874	37.022	ng	#	77
8) 2-Chlorophenol	6.645	128	237885	49.740	ng		100
9) Benzaldehyde	6.404	77	50112	15.569	ng		98
10) Phenol	6.516	94	311927	51.811	ng		95
11) bis(2-Chloroethyl)ether	6.581	93	216229	48.160	ng		99
12) 1,3-Dichlorobenzene	6.787	146	238285	43.725	ng		98
13) 1,4-Dichlorobenzene	6.863	146	250496	45.283	ng		98
14) 1,2-Dichlorobenzene	7.016	146	243317	46.619	ng		99
15) Benzyl Alcohol	6.998	79	224390	54.026	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.116	45	258176	48.813	ng		86
17) 2-Methylphenol	7.116	107	185495	48.580	ng		98
18) Hexachloroethane	7.351	117	90163	43.782	ng		96
19) n-Nitroso-di-n-propyla...	7.263	70	173646	49.835	ng		98
20) 3+4-Methylphenols	7.275	107	261175	51.583	ng	#	76
22) Acetophenone	7.263	105	338097	47.164	ng		96
24) Nitrobenzene	7.434	77	253408	43.186	ng		96
25) Isophorone	7.675	82	441297	45.982	ng		99
26) 2-Nitrophenol	7.751	139	124090	45.916	ng		97
27) 2,4-Dimethylphenol	7.792	122	178152	56.446	ng		99
28) bis(2-Chloroethoxy)met...	7.875	93	276025	46.049	ng		100
29) 2,4-Dichlorophenol	8.004	162	206572	47.407	ng		99
30) 1,2,4-Trichlorobenzene	8.069	180	209439	41.929	ng		100
31) Naphthalene	8.151	128	718593	45.650	ng		100
32) Benzoic acid	7.945	122	119256	39.841	ng		97
33) 4-Chloroaniline	8.210	127	97796	18.706	ng		96
34) Hexachlorobutadiene	8.263	225	141949	42.238	ng		100
35) Caprolactam	8.592	113	64351m	49.607	ng		
36) 4-Chloro-3-methylphenol	8.704	107	222440	45.356	ng		99
37) 2-Methylnaphthalene	8.845	142	462320	44.399	ng		100
38) 1-Methylnaphthalene	8.939	142	438214	42.553	ng		100
40) 1,2,4,5-Tetrachloroben...	9.010	216	229788	46.792	ng		99
41) Hexachlorocyclopentadiene	8.992	237	85058	59.006	ng		99
43) 2,4,6-Trichlorophenol	9.133	196	141737	47.136	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140910.D
Acq On : 18 Dec 2024 17:12
Operator : RC/JU
Sample : P5277-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMSD

Quant Time: Dec 18 18:05:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration

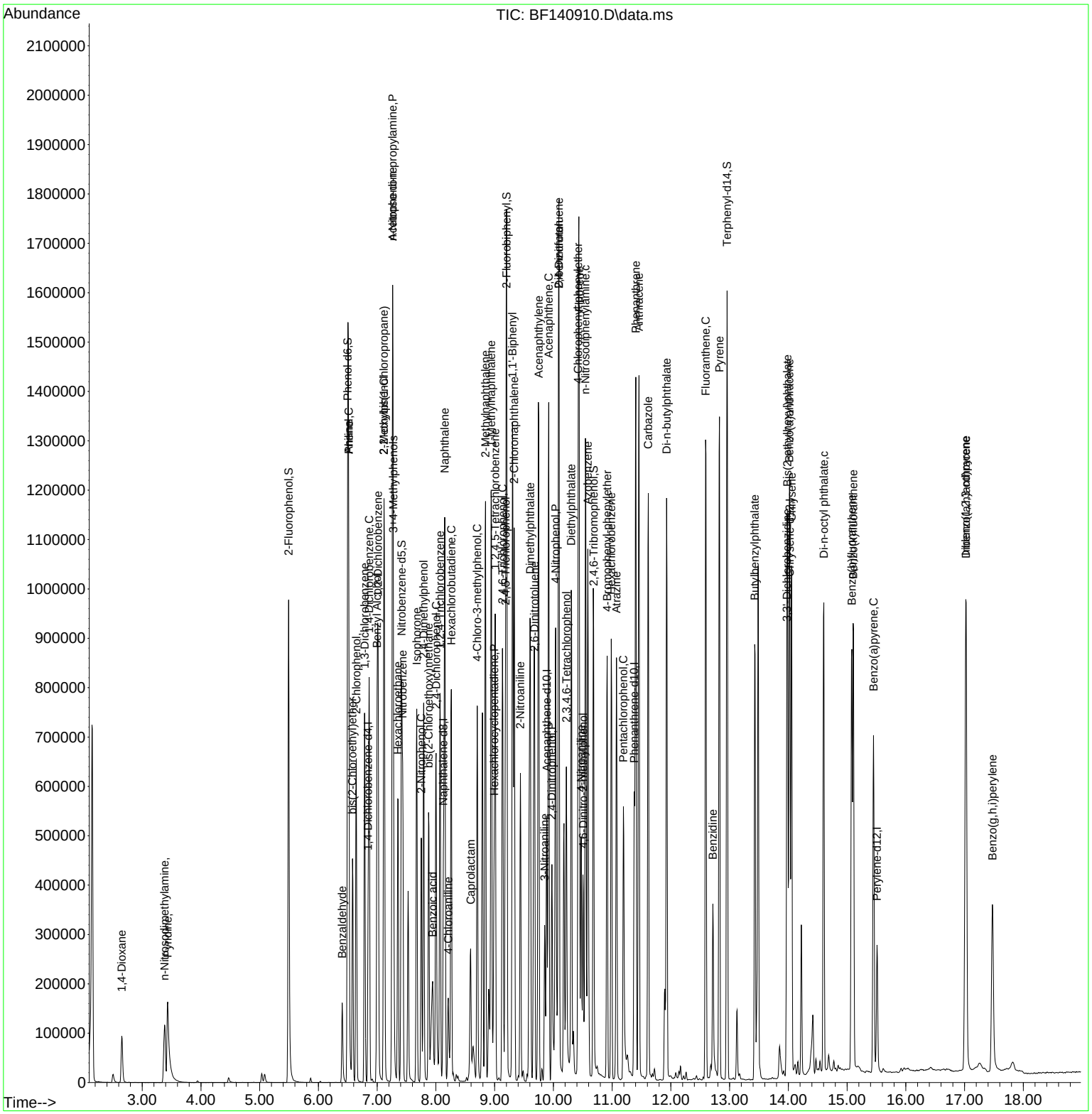
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	152471	46.132	ng	99
46) 1,1'-Biphenyl	9.304	154	604700	47.596	ng	99
47) 2-Chloronaphthalene	9.333	162	454352	46.747	ng	99
48) 2-Nitroaniline	9.439	65	145755	49.655	ng	97
49) Acenaphthylene	9.751	152	729343	51.063	ng	100
50) Dimethylphthalate	9.604	163	550494	48.871	ng	99
51) 2,6-Dinitrotoluene	9.681	165	120943	46.966	ng	95
52) Acenaphthene	9.922	154	435991	47.786	ng	99
53) 3-Nitroaniline	9.851	138	71643	28.035	ng	98
54) 2,4-Dinitrophenol	9.975	184	106643	84.477	ng	96
55) Dibenzofuran	10.092	168	664321	46.988	ng	100
56) 4-Nitrophenol	10.039	139	114518	83.125	ng	95
57) 2,4-Dinitrotoluene	10.092	165	156673	46.241	ng	99
58) Fluorene	10.439	166	549228	47.089	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.222	232	134641	49.994	ng	95
60) Diethylphthalate	10.304	149	542825	46.472	ng	100
61) 4-Chlorophenyl-phenyle...	10.422	204	275805	47.074	ng	98
62) 4-Nitroaniline	10.475	138	121870	45.636	ng	95
63) Azobenzene	10.586	77	571243	52.020	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	85133	50.482	ng	97
66) n-Nitrosodiphenylamine	10.545	169	480286	52.490	ng	99
67) 4-Bromophenyl-phenylether	10.916	248	152167	45.704	ng	98
68) Hexachlorobenzene	10.986	284	171984	45.561	ng	98
69) Atrazine	11.075	200	151118	59.135	ng	99
70) Pentachlorophenol	11.192	266	121877	88.310	ng	98
71) Phenanthrene	11.404	178	767681	50.162	ng	99
72) Anthracene	11.457	178	794007	52.683	ng	99
73) Carbazole	11.616	167	693535	46.980	ng	99
74) Di-n-butylphthalate	11.927	149	849944	49.058	ng	100
75) Fluoranthene	12.592	202	800765	45.433	ng	99
77) Benzidine	12.716	184	211228	59.309	ng	100
78) Pyrene	12.827	202	809838	52.188	ng	99
80) Butylbenzylphthalate	13.427	149	276908	48.498	ng	99
81) Benzo(a)anthracene	14.016	228	613436	49.601	ng	99
82) 3,3'-Dichlorobenzidine	13.974	252	107611	28.840	ng	99
83) Chrysene	14.057	228	507901	45.162	ng	99
84) Bis(2-ethylhexyl)phtha...	13.986	149	398277	54.097	ng	100
85) Di-n-octyl phthalate	14.604	149	668869	60.051	ng	100
87) Indeno(1,2,3-cd)pyrene	17.021	276	526943	55.974	ng	99
88) Benzo(b)fluoranthene	15.080	252	555365	53.035	ng	100
89) Benzo(k)fluoranthene	15.104	252	502785	55.973	ng	99
90) Benzo(a)pyrene	15.451	252	425179	51.853	ng	100
91) Dibenzo(a,h)anthracene	17.027	278	443997	56.930	ng	99
92) Benzo(g,h,i)perylene	17.474	276	341863	43.069	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121824\
Data File : BF140910.D
Acq On : 18 Dec 2024 17:12
Operator : RC/JU
Sample : P5277-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1AMSD

Quant Time: Dec 18 18:05:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 16 16:59:50 2024
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF121624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140857.D	4-Nitrophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC010	BF140857.D	Pentachlorophenol	yogesh	12/18/2024 1:39:47 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC020	BF140858.D	Pentachlorophenol	yogesh	12/18/2024 1:39:48 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software
SSTDICC080	BF140862.D	Caprolactam	yogesh	12/18/2024 1:39:50 AM	mohammad	12/18/2024 2:36:39 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf121724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5279-01	BF140890.D	Benzo(b)fluoranthene	yogesh	12/18/2024 1:50:32 AM	mohammad	12/19/2024 2:52:57 AM	Peak Integrated by Software
P5279-01	BF140890.D	Benzo(k)fluoranthene	yogesh	12/18/2024 1:50:32 AM	mohammad	12/19/2024 2:52:57 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf121824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB165648BS	BF140898.D	Caprolactam	yogesh	12/21/2024 1:07:38 AM	mohammad	12/21/2024 2:30:36 AM	Peak Integrated by Software
P5277-01MS	BF140909.D	4-Nitroaniline	yogesh	12/21/2024 1:07:58 AM	mohammad	12/21/2024 2:30:36 AM	Peak Integrated by Software
P5277-01MS	BF140909.D	Caprolactam	yogesh	12/21/2024 1:07:58 AM	mohammad	12/21/2024 2:30:36 AM	Peak Integrated by Software
P5277-01MSD	BF140910.D	Caprolactam	yogesh	12/21/2024 1:08:03 AM	mohammad	12/21/2024 2:30:36 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM				
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM				
SubDirectory	BF121624	HP Acquire Method	BNA_F		HP Processing Method	Bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140854.D	16 Dec 2024 11:21	RC/JU	Ok
2	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13	RC/JU	Ok
3	SSTDICC005	BF140856.D	16 Dec 2024 12:39	RC/JU	Ok
4	SSTDICC010	BF140857.D	16 Dec 2024 13:05	RC/JU	Ok,M
5	SSTDICC020	BF140858.D	16 Dec 2024 14:00	RC/JU	Ok,M
6	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	RC/JU	Ok
7	SSTDICC050	BF140860.D	16 Dec 2024 15:23	RC/JU	Ok
8	SSTDICC060	BF140861.D	16 Dec 2024 15:49	RC/JU	Ok
9	SSTDICC080	BF140862.D	16 Dec 2024 16:15	RC/JU	Ok,M
10	SSTDICV040	BF140863.D	16 Dec 2024 16:41	RC/JU	Ok
11	PB165543BL	BF140864.D	16 Dec 2024 17:08	RC/JU	Ok
12	PB165543BS	BF140865.D	16 Dec 2024 17:34	RC/JU	Ok,M
13	PB165590BL	BF140866.D	16 Dec 2024 18:00	RC/JU	Ok
14	PB165479BS	BF140867.D	16 Dec 2024 18:26	RC/JU	Ok,M
15	PB165479BSD	BF140868.D	16 Dec 2024 18:53	RC/JU	Ok,M
16	PB165479BL	BF140869.D	16 Dec 2024 19:19	RC/JU	Ok
17	P5192-02	BF140870.D	16 Dec 2024 19:45	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121724

Review By	yogesh	Review On	12/18/2024 1:50:43 AM				
Supervise By	mohammad	Supervise On	12/19/2024 2:52:57 AM				
SubDirectory	BF121724	HP Acquire Method	BNA_F		HP Processing Method	bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140871.D	17 Dec 2024 08:58	RC/JU	Ok
2	SSTDCCC040	BF140872.D	17 Dec 2024 09:24	RC/JU	Ok
3	PB165543BL	BF140873.D	17 Dec 2024 09:50	RC/JU	Ok
4	PB165543BS	BF140874.D	17 Dec 2024 10:16	RC/JU	Ok,M
5	PB165623BL	BF140875.D	17 Dec 2024 10:43	RC/JU	Ok
6	PB165623BS	BF140876.D	17 Dec 2024 11:09	RC/JU	Ok,M
7	PB165623BSD	BF140877.D	17 Dec 2024 11:35	RC/JU	Ok,M
8	P5239-04	BF140878.D	17 Dec 2024 12:08	RC/JU	Not Ok
9	P5287-03	BF140879.D	17 Dec 2024 12:34	RC/JU	Ok
10	P5239-04MS	BF140880.D	17 Dec 2024 13:01	RC/JU	Ok,M
11	P5239-04MSD	BF140881.D	17 Dec 2024 13:27	RC/JU	Ok,M
12	P5239-01	BF140882.D	17 Dec 2024 13:53	RC/JU	Not Ok
13	P5270-08	BF140883.D	17 Dec 2024 14:19	RC/JU	Dilution
14	P5192-02RE	BF140884.D	17 Dec 2024 14:45	RC/JU	Confirms
15	P5270-07DL	BF140885.D	17 Dec 2024 15:12	RC/JU	Dilution
16	P5270-08DL	BF140886.D	17 Dec 2024 15:38	RC/JU	Dilution
17	P5220-03RE	BF140887.D	17 Dec 2024 16:04	RC/JU	Confirms
18	P5268-01	BF140888.D	17 Dec 2024 16:30	RC/JU	Dilution
19	P5287-01	BF140889.D	17 Dec 2024 16:56	RC/JU	Ok
20	P5279-01	BF140890.D	17 Dec 2024 17:22	RC/JU	Ok,M
21	P5301-01	BF140891.D	17 Dec 2024 17:49	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121724

Review By	yogesh	Review On	12/18/2024 1:50:43 AM		
Supervise By	mohammad	Supervise On	12/19/2024 2:52:57 AM		
SubDirectory	BF121724	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5301-03MS	BF140892.D	17 Dec 2024 18:15	RC/JU	Not Ok
23	P5301-03MSD	BF140893.D	17 Dec 2024 18:41	RC/JU	Not Ok
24	P5301-03	BF140894.D	17 Dec 2024 19:07	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121824

Review By	yogesh	Review On	12/21/2024 1:11:35 AM				
Supervise By	mohammad	Supervise On	12/21/2024 2:30:36 AM				
SubDirectory	BF121824	HP Acquire Method	BNA_F		HP Processing Method	bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140895.D	18 Dec 2024 09:41	RC/JU	Ok
2	SSTDCCC040	BF140896.D	18 Dec 2024 10:43	RC/JU	Ok
3	PB165648BL	BF140897.D	18 Dec 2024 11:27	RC/JU	Ok
4	PB165648BS	BF140898.D	18 Dec 2024 11:53	RC/JU	Ok,M
5	PB165685BL	BF140899.D	18 Dec 2024 12:19	RC/JU	Ok
6	PB165685BS	BF140900.D	18 Dec 2024 12:45	RC/JU	Ok,M
7	PB165682BL	BF140901.D	18 Dec 2024 13:12	RC/JU	Ok
8	PB165682BS	BF140902.D	18 Dec 2024 13:37	RC/JU	Ok,M
9	P5270-07DL2	BF140903.D	18 Dec 2024 14:09	RC/JU	Ok,M
10	P5270-08DL2	BF140904.D	18 Dec 2024 14:35	RC/JU	Ok
11	P5277-02	BF140905.D	18 Dec 2024 15:02	RC/JU	Ok
12	P5277-03	BF140906.D	18 Dec 2024 15:28	RC/JU	Ok
13	P5291-11	BF140907.D	18 Dec 2024 15:54	RC/JU	Ok
14	P5277-01	BF140908.D	18 Dec 2024 16:20	RC/JU	Ok
15	P5277-01MS	BF140909.D	18 Dec 2024 16:46	RC/JU	Ok,M
16	P5277-01MSD	BF140910.D	18 Dec 2024 17:12	RC/JU	Ok,M
17	P5291-06	BF140911.D	18 Dec 2024 17:38	RC/JU	Dilution
18	P5291-08MS	BF140912.D	18 Dec 2024 18:04	RC/JU	Ok
19	P5291-09MSD	BF140913.D	18 Dec 2024 18:30	RC/JU	Ok,M
20	P5291-07	BF140914.D	18 Dec 2024 18:56	RC/JU	Ok
21	P5291-10	BF140915.D	18 Dec 2024 19:23	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121824

Review By	yogesh	Review On	12/21/2024 1:11:35 AM				
Supervise By	mohammad	Supervise On	12/21/2024 2:30:36 AM				
SubDirectory	BF121824	HP Acquire Method	BNA_F		HP Processing Method	bf121624	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5268-01DL	BF140916.D	18 Dec 2024 19:49	RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/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	BF140854.D	16 Dec 2024 11:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140855.D	16 Dec 2024 12:13		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140856.D	16 Dec 2024 12:39	Compound#32,41,54,56,65,70,77 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140857.D	16 Dec 2024 13:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140858.D	16 Dec 2024 14:00	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF140859.D	16 Dec 2024 14:26	Compound#41 Kept on QR & Compound#54,56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140860.D	16 Dec 2024 15:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140861.D	16 Dec 2024 15:49		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140862.D	16 Dec 2024 16:15		RC/JU	Ok,M
10	SSTDICV040	ICVBF121624	BF140863.D	16 Dec 2024 16:41		RC/JU	Ok
11	PB165543BL	PB165543BL	BF140864.D	16 Dec 2024 17:08		RC/JU	Ok
12	PB165543BS	PB165543BS	BF140865.D	16 Dec 2024 17:34		RC/JU	Ok,M
13	PB165590BL	PB165590BL	BF140866.D	16 Dec 2024 18:00		RC/JU	Ok
14	PB165479BS	PB165479BS	BF140867.D	16 Dec 2024 18:26		RC/JU	Ok,M
15	PB165479BSD	PB165479BSD	BF140868.D	16 Dec 2024 18:53		RC/JU	Ok,M
16	PB165479BL	PB165479BL	BF140869.D	16 Dec 2024 19:19		RC/JU	Ok
17	P5192-02	EFF-WASTE WATER	BF140870.D	16 Dec 2024 19:45	Surrogate Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121624

Review By	yogesh	Review On	12/18/2024 1:40:10 AM		
Supervise By	mohammad	Supervise On	12/18/2024 2:36:39 AM		
SubDirectory	BF121624	HP Acquire Method	BNA_F	HP Processing Method	Bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121724

Review By	yogesh	Review On	12/18/2024 1:50:43 AM		
Supervise By	mohammad	Supervise On	12/19/2024 2:52:57 AM		
SubDirectory	BF121724	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/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	BF140871.D	17 Dec 2024 08:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140872.D	17 Dec 2024 09:24		RC/JU	Ok
3	PB165543BL	PB165543BL	BF140873.D	17 Dec 2024 09:50		RC/JU	Ok
4	PB165543BS	PB165543BS	BF140874.D	17 Dec 2024 10:16		RC/JU	Ok,M
5	PB165623BL	PB165623BL	BF140875.D	17 Dec 2024 10:43		RC/JU	Ok
6	PB165623BS	PB165623BS	BF140876.D	17 Dec 2024 11:09		RC/JU	Ok,M
7	PB165623BSD	PB165623BSD	BF140877.D	17 Dec 2024 11:35		RC/JU	Ok,M
8	P5239-04	WC-1	BF140878.D	17 Dec 2024 12:08	Already analysed with ok status	RC/JU	Not Ok
9	P5287-03	STONES-B	BF140879.D	17 Dec 2024 12:34		RC/JU	Ok
10	P5239-04MS	WC-1MS	BF140880.D	17 Dec 2024 13:01		RC/JU	Ok,M
11	P5239-04MSD	WC-1MSD	BF140881.D	17 Dec 2024 13:27		RC/JU	Ok,M
12	P5239-01	WC-1	BF140882.D	17 Dec 2024 13:53	Already analysed	RC/JU	Not Ok
13	P5270-08	MW14-20241212	BF140883.D	17 Dec 2024 14:19	Need 20X dilution	RC/JU	Dilution
14	P5192-02RE	EFF-WASTE WATERRI	BF140884.D	17 Dec 2024 14:45	Surrogate fail	RC/JU	Confirms
15	P5270-07DL	MW12-20241212DL	BF140885.D	17 Dec 2024 15:12	Need further 2X dilution	RC/JU	Dilution
16	P5270-08DL	MW14-20241212DL	BF140886.D	17 Dec 2024 15:38	Need further 2X dilution	RC/JU	Dilution
17	P5220-03RE	GAS-AUD-1610-1611-1	BF140887.D	17 Dec 2024 16:04	Fax is already given	RC/JU	Confirms

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121724

Review By	yogesh	Review On	12/18/2024 1:50:43 AM		
Supervise By	mohammad	Supervise On	12/19/2024 2:52:57 AM		
SubDirectory	BF121724	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12331,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P5268-01	OR-02-12122024	BF140888.D	17 Dec 2024 16:30	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
19	P5287-01	STONES-A	BF140889.D	17 Dec 2024 16:56		RC/JU	Ok
20	P5279-01	ROCKAWAY-PARK	BF140890.D	17 Dec 2024 17:22		RC/JU	Ok,M
21	P5301-01	HR-01-121624	BF140891.D	17 Dec 2024 17:49	Internal Standard Fail	RC/JU	Ok
22	P5301-03MS	HR-04-121624MS	BF140892.D	17 Dec 2024 18:15	Internal Standard Fail	RC/JU	Not Ok
23	P5301-03MSD	HR-04-121624MSD	BF140893.D	17 Dec 2024 18:41	Internal Standard Fail	RC/JU	Not Ok
24	P5301-03	HR-04-121624	BF140894.D	17 Dec 2024 19:07		RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121824

Review By	yogesh	Review On	12/21/2024 1:11:35 AM		
Supervise By	mohammad	Supervise On	12/21/2024 2:30:36 AM		
SubDirectory	BF121824	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/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	BF140895.D	18 Dec 2024 09:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140896.D	18 Dec 2024 10:43		RC/JU	Ok
3	PB165648BL	PB165648BL	BF140897.D	18 Dec 2024 11:27		RC/JU	Ok
4	PB165648BS	PB165648BS	BF140898.D	18 Dec 2024 11:53		RC/JU	Ok,M
5	PB165685BL	PB165685BL	BF140899.D	18 Dec 2024 12:19		RC/JU	Ok
6	PB165685BS	PB165685BS	BF140900.D	18 Dec 2024 12:45		RC/JU	Ok,M
7	PB165682BL	PB165682BL	BF140901.D	18 Dec 2024 13:12		RC/JU	Ok
8	PB165682BS	PB165682BS	BF140902.D	18 Dec 2024 13:37		RC/JU	Ok,M
9	P5270-07DL2	MW12-20241212DL2	BF140903.D	18 Dec 2024 14:09		RC/JU	Ok,M
10	P5270-08DL2	MW14-20241212DL2	BF140904.D	18 Dec 2024 14:35		RC/JU	Ok
11	P5277-02	COMP-2A	BF140905.D	18 Dec 2024 15:02		RC/JU	Ok
12	P5277-03	COMP-3A	BF140906.D	18 Dec 2024 15:28		RC/JU	Ok
13	P5291-11	EQUIP-BLANK-202412	BF140907.D	18 Dec 2024 15:54		RC/JU	Ok
14	P5277-01	COMP-1A	BF140908.D	18 Dec 2024 16:20		RC/JU	Ok
15	P5277-01MS	COMP-1AMS	BF140909.D	18 Dec 2024 16:46		RC/JU	Ok,M
16	P5277-01MSD	COMP-1AMSD	BF140910.D	18 Dec 2024 17:12		RC/JU	Ok,M
17	P5291-06	MW3-20241213	BF140911.D	18 Dec 2024 17:38	Need 5X Dilution	RC/JU	Dilution
18	P5291-08MS	MW6-20241213MS	BF140912.D	18 Dec 2024 18:04		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF121824

Review By	yogesh	Review On	12/21/2024 1:11:35 AM		
Supervise By	mohammad	Supervise On	12/21/2024 2:30:36 AM		
SubDirectory	BF121824	HP Acquire Method	BNA_F	HP Processing Method	bf121624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5291-09MSD	MW6-20241213MSD	BF140913.D	18 Dec 2024 18:30		RC/JU	Ok,M
20	P5291-07	MW6-20241213	BF140914.D	18 Dec 2024 18:56		RC/JU	Ok
21	P5291-10	MW6-20241213-A	BF140915.D	18 Dec 2024 19:23		RC/JU	Ok
22	P5268-01DL	OR-02-12122024DL	BF140916.D	18 Dec 2024 19:49		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 12/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133946

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5277-01	COMP-1A	1	1.15	8.66	9.81	8.81	88.5	
P5277-02	COMP-2A	2	1.16	8.64	9.8	7.98	78.9	
P5277-03	COMP-3A	3	1.19	8.45	9.64	8.79	89.9	
P5277-04	SB-13	4	1.14	8.61	9.75	8.89	90.0	
P5277-05	SB-14	5	1.15	8.81	9.96	9.14	90.7	
P5277-06	SB-15	6	1.18	8.74	9.92	9.08	90.4	
P5277-07	SB-16	7	1.15	8.81	9.96	8.68	85.5	
P5277-08	SB-17	8	1.12	8.86	9.98	7.98	77.4	
P5277-09	SB-18	9	1.16	8.74	9.9	8.34	82.2	
P5277-10	SB-19	10	1.14	8.83	9.97	8.42	82.4	
P5277-11	SB-20	11	1.19	8.52	9.71	8.13	81.5	
P5277-12	SB-21	12	1.17	8.72	9.89	9.05	90.4	
P5277-13	SB-22	13	1.15	8.80	9.95	9.03	89.5	
P5277-14	SB-23	14	1.14	8.61	9.75	8.51	85.6	
P5277-15	SB-24	15	1.16	8.40	9.56	8.68	89.5	
P5279-01	ROCKAWAY-PARK	16	1.18	8.47	9.65	9.11	93.6	
P5279-03	ROCKAWAY-PARK	17	1.15	8.50	9.65	9.14	94.0	
P5287-01	STONES-A	18	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-02	STONES-A-E2	19	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-03	STONES-B	20	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5287-04	STONES-B-E2	21	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids
P5288-05	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
P5288-06	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
P5288-07	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
P5288-08	PCB-GPC-BLANK	25	1.00	1.00	2.00	2.00	100.0	
P5288-09	PCB-GPC-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
P5288-10	SVOC-GPC2-BLANK	27	1.00	1.00	2.00	2.00	100.0	
P5288-11	PEST-GPC2-BLANK	28	1.00	1.00	2.00	2.00	100.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/16/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 12/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 12/14/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133946

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5288-12	PEST-GPC2-BLANK-SPIKE	29	1.00	1.00	2.00	2.00	100.0	
P5288-13	PCB-GPC2-BLANK	30	1.00	1.00	2.00	2.00	100.0	
P5288-14	PCB-GPC2-BLANK-SPIKE	31	1.00	1.00	2.00	2.00	100.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165648

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/16/2024

Extraction Start Time : 09:20

Extraction End Date : 12/16/2024

Extraction End Time : 12:20

Concentration By: EH

Supervisor By : rajesh

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	SP6681
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
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2571
Sand	N/A	E2865
Methylene Chloride	N/A	E3845
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12| 16|24	RP (Ext. Lab)	Rc/SVOC
12:25	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165648

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 12/16/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB165648BL	SBLK648	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U4-1
PB165648BS	SLCS648	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P5268-01	OR-02-12122024	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1			3
P5277-01	COMP-1A	SVOCMS Group1	30.02	N/A	ritesh	Evelyn	1	D		4
P5277-01MS	COMP-1AMS	SVOCMS Group1	30.04	N/A	ritesh	Evelyn	1	D		5
P5277-01MSD	COMP-1AMSD	SVOCMS Group1	30.09	N/A	ritesh	Evelyn	1	D		6
P5277-02	COMP-2A	SVOCMS Group1	30.08	N/A	ritesh	Evelyn	1	D		U6-1
P5277-03	COMP-3A	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	D		2
P5279-01	ROCKAWAY-PARK	SVOC-PAH	30.01	N/A	ritesh	Evelyn	1	A		3
P5287-01	STONES-A	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E	Stone	4
P5287-03	STONES-B	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E	Stone	5

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

12/16/24

16r64t
9',20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5279 **WorkList ID :** 186353 **Department :** Extraction **Date :** 12-16-2024 08:39:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5268-01	OR-02-12122024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	12/12/2024	8270E
P5277-01	COMP-1A	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	12/12/2024	8270E
P5277-02	COMP-2A	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	12/12/2024	8270E
P5277-03	COMP-3A	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L41	12/12/2024	8270E
P5279-01	ROCKAWAY-PARK	Solid	SVOC-PAH	Cool 4 deg C	TULL02	L51	12/13/2024	8270E
P5287-01	STONES-A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/13/2024	8270E
P5287-03	STONES-B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L61	12/13/2024	8270E

Date/Time 12/16/24 9:15
Raw Sample Received by: RJ (Sol Lab
Raw Sample Relinquished by: JD (SM)

Date/Time 12/16/24 9:45
Raw Sample Received by: JD(SM)
Raw Sample Relinquished by: RJ (Sol Lab

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. / QUOTE NO. P5279

COC Number 2041523

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Tully Construction Co.
ADDRESS: 112-01 Beach Channel
CITY Rockaway STATE: N.Y ZIP:
ATTENTION: Dean DeVoe
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Same STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1 SVOC-PAH 2 TCLP Extraction 3 Corrosivity 4 PCB 5 Mercury 6 TPH 7 VOC-TCL VOA-10 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Rockaway Park 1	SOL	X		12-13-24	0820	9	X	X	X	X	X	X				PID=0.0
2.	1	1		X	1	0822	4							X			PID=0.0
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12-13-2024 0900	1.
2.		2.
3.	12-13-2024 12:00	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT X COOLER TEMP 2.9°C °C
Comments: *PID Meter Calibrated 12.13.2024*
Equal volume of soil used 5:1 composite

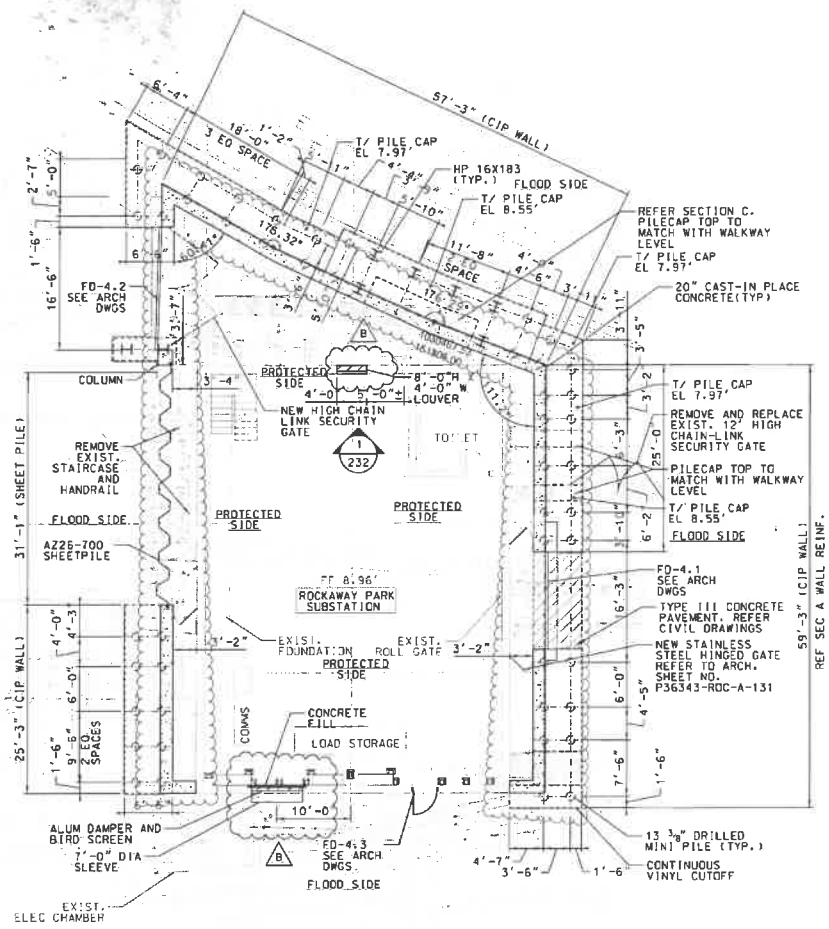
Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ❑ Field Sampling

Shipment Complete ❑ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Rockaway Park



NOTE:

1. REFER TO P36343-A-G-701 FOR FLOOD DEVICE OPENING SCHEDULE.

FLOOD WALL LAYOUT PLAN

SCALE: 1/8"=1'-0"

1 (131|13)

REVISION	DESCRIPTION	DATE	APPROVED
B	ADDED NEW LOUVER	11/06/2024	CJ
A	REVISED PILE AND INTERNAL HARDENING LAYOUT	09/26/2024	CJ

REVISIONS

MTA CONSTRUCTION & DEVELOPMENT

CONTRACT P-36343
FLOOD MITIGATION AT TWENTY-SIX (26) SUBSTATIONS IN THE BOROUGH OF BROOKLYN, MANHATTAN AND QUEENS

ROCKAWAY PARK SUBSTATION
FLOOD WALL PLAN

STATE OF NEW YORK — PROFESSIONAL ENGINEER — 11-06-2024

DRAWN BY	R. NUTHAN		DATE: 11/06/2024
DESIGNED BY	K.UDAY		DISCIPLINE: STRUCTURE
CHECKED BY	DINAKAR KN		DRAWING NO. P36343-ROC-CS-131
APPROVED BY	C.JEDRICH, PE		REVISION

$DESIGN$FILE$EXPANDED$SPEC$ PRINT AS OF $DATE$OF$PLOTTING$ USER$NAME

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Rockaway Park Queens
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 112-01 beach Channel, Rockaway Queen, N.Y

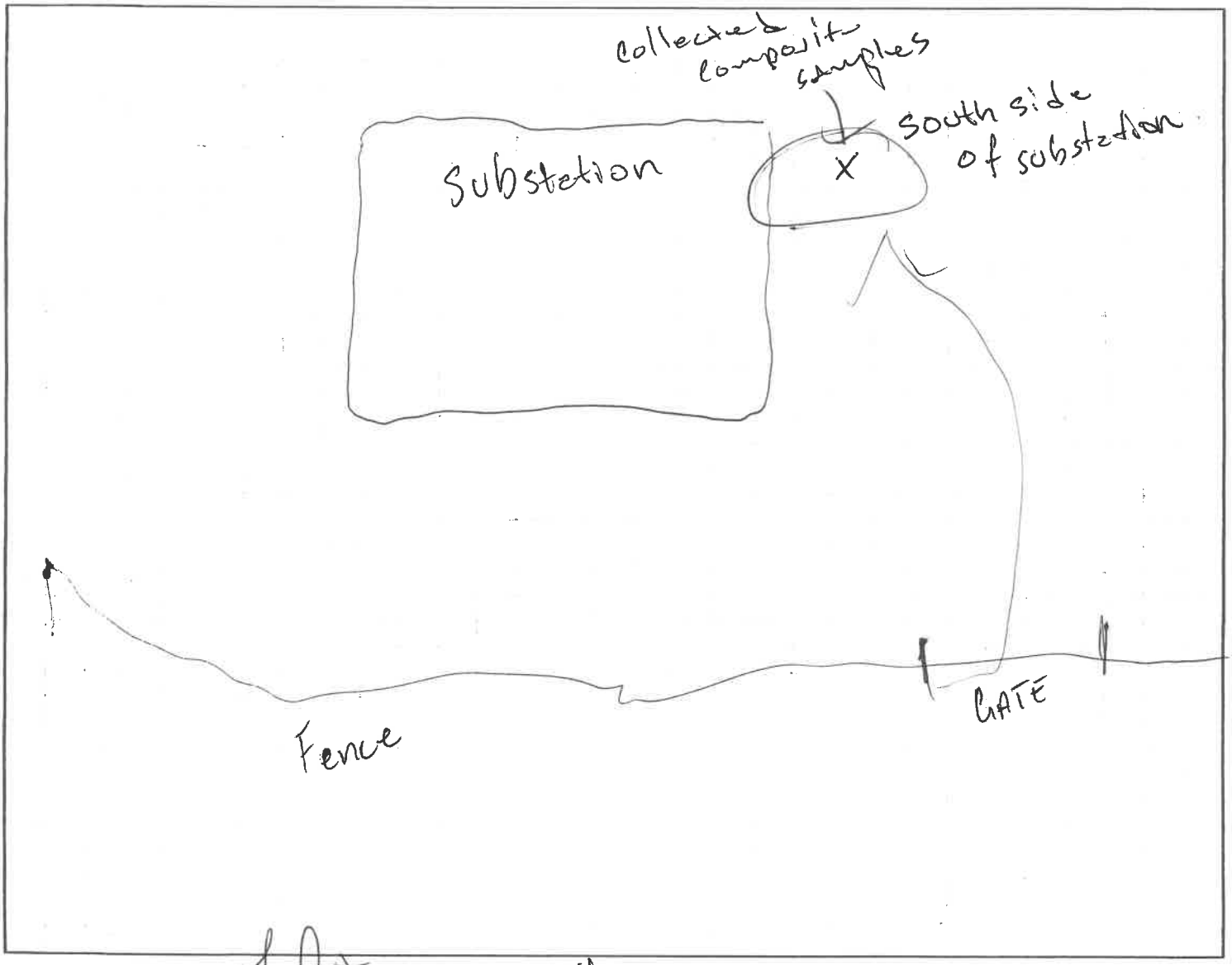
Chemtech Order ID:
Sampler Name: Lawrence Czita
Client Project Coordinator & Phone:
Page #: 1 of 1
Date: 12.13.2024
Arrive Time: 0730
Depart Time: 0900

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank / soil cover
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: Dimensions/CY:
Temp (range): °C PID Readings (range): 0.0 PPM Odor: Y / N Color: Y / N
Sample Description: Dark GRAY soil.
Field Observations: Sampled, Rockaway Park.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: 12.13.2024
Client Signature:

Supervisor Review/Date:
Date/Time Arrived at Lab:

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5279 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 12/13/2024 12:03:00 PM
Project Name : Rockaway Park
Receive DateTime : 12/13/2024 12:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NY 375
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5279-03	ROCKAWAY-PARK	Solid	12/13/2024	08:22					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By : [signature]
Date / Time : 12-13-2024 12:18

Received By : [signature]
Date / Time : 12-13-24 12:18

Storage Area : VOA Refridgerator Room