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Cover Page

Order ID : Q2409

Project ID : Millville Sewage Treatment Plant - Field Sampling

Client : Coppola Services

Lab Sample Number	Client Sample Number
Q2409-01	COP-SOIL-PILE
Q2409-02	COP-SOIL-PILE

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: 6/30/2025

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 #: **Q2409**

	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: **PRADIP PRAJAPATI** **Date:** **06/30/2025**

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LAB CHRONICLE

OrderID:	Q2409	**OrderDate:**	6/24/2025 2:11:50 PM
Client:	Coppola Services	**Project:**	Millville Sewage Treatment Plant - Field Sampling
Contact:	Jeffrey Simpkins	**Location:**	D51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2409-02	**COP-SOIL-PILE**	**TCLP**			**06/24/25**			**06/24/25**
			TCLP BNA	8270E		06/25/25	06/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2409

Client: Coppola Services

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168571TB	PB168571TB	2-Fluorophenol	150	124	83		15 (23)	110 (138)
		Phenol-d6	150	123	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	78.8	79		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.7	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	128	85		15 (44)	110 (137)
		Terphenyl-d14	100	75.2	75		30 (42)	130 (152)
PB168614BL	PB168614BL	2-Fluorophenol	150	119	79		15 (23)	110 (138)
		Phenol-d6	150	118	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.0	75		30 (67)	130 (132)
		2-Fluorobiphenyl	100	72.7	73		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	125	84		15 (44)	110 (137)
		Terphenyl-d14	100	70.5	70		30 (42)	130 (152)
PB168614BS	PB168614BS	2-Fluorophenol	150	132	88		15 (23)	110 (138)
		Phenol-d6	150	135	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	85.5	86		30 (67)	130 (132)
		2-Fluorobiphenyl	100	80.3	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	147	98		15 (44)	110 (137)
		Terphenyl-d14	100	86.7	87		30 (42)	130 (152)
Q2386-02MS	SU-1-062025MS	2-Fluorophenol	150	104	69		15 (23)	110 (138)
		Phenol-d6	150	97.1	65		15 (10)	110 (134)
		Nitrobenzene-d5	100	72.4	72		30 (67)	130 (132)
		2-Fluorobiphenyl	100	75.3	75		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	103	69		15 (44)	110 (137)
		Terphenyl-d14	100	47.3	47		30 (42)	130 (152)
Q2386-02MSD	SU-1-062025MSD	2-Fluorophenol	150	108	72		15 (23)	110 (138)
		Phenol-d6	150	101	67		15 (10)	110 (134)
		Nitrobenzene-d5	100	75.0	75		30 (67)	130 (132)
		2-Fluorobiphenyl	100	77.0	77		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	104	69		15 (44)	110 (137)
		Terphenyl-d14	100	49.2	49		30 (42)	130 (152)
Q2409-02	COP-SOIL-PILE	2-Fluorophenol	150	116	78		15 (23)	110 (138)
		Phenol-d6	150	106	71		15 (10)	110 (134)
		Nitrobenzene-d5	100	81.0	81		30 (67)	130 (132)
		2-Fluorobiphenyl	100	78.1	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	129	86		15 (44)	110 (137)
		Terphenyl-d14	100	83.3	83		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2386-02MS		**Client Sample ID: SU-1-062025MS**						**DataFile: BF142846.D**			
Pyridine	500	0	270	ug/L	54				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	360	ug/L	72				70 (55)	130 (125)	
2-Methylphenol	500	0	380	ug/L	76				70 (60)	130 (131)	
3+4-Methylphenols	500	0	390	ug/L	78				20 (54)	160 (136)	
Hexachloroethane	500	0	360	ug/L	72				20 (19)	160 (146)	
Nitrobenzene	500	0	390	ug/L	78				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	380	ug/L	76				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	430	ug/L	86				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	420	ug/L	84				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	400	ug/L	80				70 (74)	130 (137)	
Hexachlorobenzene	500	0	460	ug/L	92				70 (72)	130 (115)	
Pentachlorophenol	1000	0	860	ug/L	86				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2386-02MSD		**Client Sample ID: SU-1-062025MSD**						**DataFile: BF142847.D**			
Pyridine	500	0	280	ug/L	56		4		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	370	ug/L	74		3		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	400	ug/L	80		5		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	400	ug/L	80		3		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	370	ug/L	74		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	410	ug/L	82		5		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	400	ug/L	80		5		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	440	ug/L	88		2		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	440	ug/L	88		5		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	410	ug/L	82		2		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	500	ug/L	100		8		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	900	ug/L	90		5		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2409

Client: Coppola Services

Analytical Method: 8270E **DataFile:** BF142861.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168614BS	Pyridine	50	38.4	ug/L	77				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	43.1	ug/L	86				70 (76)	130 (103)	
	2-Methylphenol	50	44.4	ug/L	89				70 (69)	130 (109)	
	3+4-Methylphenols	50	44.5	ug/L	89				20 (67)	160 (106)	
	Hexachloroethane	50	43.2	ug/L	86				20 (76)	160 (118)	
	Nitrobenzene	50	43.4	ug/L	87				70 (58)	130 (106)	
	Hexachlorobutadiene	50	44.4	ug/L	89				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	43.9	ug/L	88				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	42.8	ug/L	86				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	49.3	ug/L	99				70 (60)	130 (115)	
	Hexachlorobenzene	50	43.6	ug/L	87				70 (73)	130 (106)	
	Pentachlorophenol	100	98.5	ug/L	99				20 (47)	160 (114)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168614BL

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: BF142860.D Lab Sample ID: PB168614BL

Instrument ID: BNA_F Date Extracted: 06/25/2025

Matrix: (soil/water) water Date Analyzed: 06/26/2025

Level: (low/med) LOW Time Analyzed: 11:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168614BS	PB168614BS	BF142861.D	06/26/2025
COP-SOIL-PILE	Q2409-02	BF142870.D	06/26/2025
PB168571TB	PB168571TB	BF142883.D	06/27/2025
SU-1-062025MS	Q2386-02MS	BF142846.D	06/25/2025
SU-1-062025MSD	Q2386-02MSD	BF142847.D	06/25/2025

COMMENTS:

Raw Data: **BF142787.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: BF142787.D DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICCC040	SSTDICCC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

Raw Data: **BF142833.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: BF142833.D DFTPP Injection Date: 06/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
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
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142834.D	06/25/2025	13:25
SU-1-062025MS	Q2386-02MS	BF142846.D	06/25/2025	19:37
SU-1-062025MSD	Q2386-02MSD	BF142847.D	06/25/2025	20:07

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: BF142856.D DFTPP Injection Date: 06/26/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDCCC040	SSTDCCC040	BF142857.D	06/26/2025	09:39
PB168614BL	PB168614BL	BF142860.D	06/26/2025	11:07
PB168614BS	PB168614BS	BF142861.D	06/26/2025	11:36
COP-SOIL-PILE	Q2409-02	BF142870.D	06/26/2025	16:06

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: COPP02

Lab Code: CHEM SAS No.: Q2409 SDG NO.: Q2409

Lab File ID: BF142881.D DFTPP Injection Date: 06/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
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	6.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142882.D	06/27/2025	09:51
PB168571TB	PB168571TB	BF142883.D	06/27/2025	10:20

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	62666	6.881	217016	8.16	105351	9.92
	UPPER LIMIT	125332	7.381	434032	8.663	210702	10.422
	LOWER LIMIT	31333	6.381	108508	7.663	52675.5	9.422
	EPA SAMPLE NO.						
01	SU-1-062025MS	84825	6.88	319246	8.16	153127	9.92
02	SU-1-062025MSD	82970	6.88	310770	8.16	150165	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	165051	11.41	130450	14.057	161869	15.551
	UPPER LIMIT	330102	11.91	260900	14.557	323738	16.051
	LOWER LIMIT	82525.5	10.91	65225	13.557	80934.5	15.051
	EPA SAMPLE NO.						
01	SU-1-062025MS	199589	11.41	167157	14.06	193910	15.55
02	SU-1-062025MSD	189094	11.41	160851	14.06	187947	15.55

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

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

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

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/26/2025

Lab File ID: BF142857.D Time Analyzed: 09:39

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	77664	6.875	293795	8.16	161192	9.92
	UPPER LIMIT	155328	7.375	587590	8.663	322384	10.422
	LOWER LIMIT	38832	6.375	146898	7.663	80596	9.422
	EPA SAMPLE NO.						
01	PB168614BL	88228	6.88	339552	8.16	183081	9.92
02	PB168614BS	87019	6.88	334350	8.16	184301	9.92
03	COP-SOIL-PILE	80928	6.88	314887	8.16	165118	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/26/2025

Lab File ID: BF142857.D Time Analyzed: 09:39

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	275904	11.41	159836	14.057	144296	15.545
	UPPER LIMIT	551808	11.91	319672	14.557	288592	16.045
	LOWER LIMIT	137952	10.91	79918	13.557	72148	15.045
	EPA SAMPLE NO.						
01	PB168614BL	326284	11.40	216050	14.05	169865	15.55
02	PB168614BS	326170	11.41	189685	14.06	167960	15.55
03	COP-SOIL-PILE	274266	11.40	138507	14.05	159738	15.54

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.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/27/2025

Lab File ID: BF142882.D Time Analyzed: 09:51

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	70500	6.875	264550	8.16	140000	9.92
	UPPER LIMIT	141000	7.375	529100	8.663	280000	10.422
	LOWER LIMIT	35250	6.375	132275	7.663	70000	9.422
	EPA SAMPLE NO.						
01	PB168571TB	77815	6.88	299629	8.16	163854	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG NO.: Q2409

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/27/2025

Lab File ID: BF142882.D Time Analyzed: 09:51

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	234291	11.41	139168	14.057	151209	15.545
	UPPER LIMIT	468582	11.91	278336	14.557	302418	16.045
	LOWER LIMIT	117146	10.91	69584	13.557	75604.5	15.045
	EPA SAMPLE NO.						
01	PB168571TB	285501	11.40	173222	14.05	159728	15.55

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

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

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

SAMPLE DATA

Raw Data: **BF142883.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/25/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/25/25
Client Sample ID:	PB168571TB	SDG No.:	Q2409
Lab Sample ID:	PB168571TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142883.D	1	06/25/25 11:10	06/27/25 10:20	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	124		15 (23) - 110 (138)	83%	SPK: 150
13127-88-3	Phenol-d6	123		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.8		30 (67) - 130 (132)	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		15 (44) - 110 (137)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.2		30 (42) - 130 (152)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	77800	6.875			
1146-65-2	Naphthalene-d8	300000	8.157			
15067-26-2	Acenaphthene-d10	164000	9.916			
1517-22-2	Phenanthrene-d10	286000	11.404			
1719-03-5	Chrysene-d12	173000	14.051			
1520-96-3	Perylene-d12	160000	15.545			

Raw Data: **BF142883.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/25/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/25/25
Client Sample ID:	PB168571TB	SDG No.:	Q2409
Lab Sample ID:	PB168571TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142883.D	1	06/25/25 11:10	06/27/25 10:20	PB168614

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\BF062725\
Data File : BF142883.D
Acq On : 27 Jun 2025 10:20
Operator : RC/JU
Sample : PB168571TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Quant Time: Jun 27 11:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

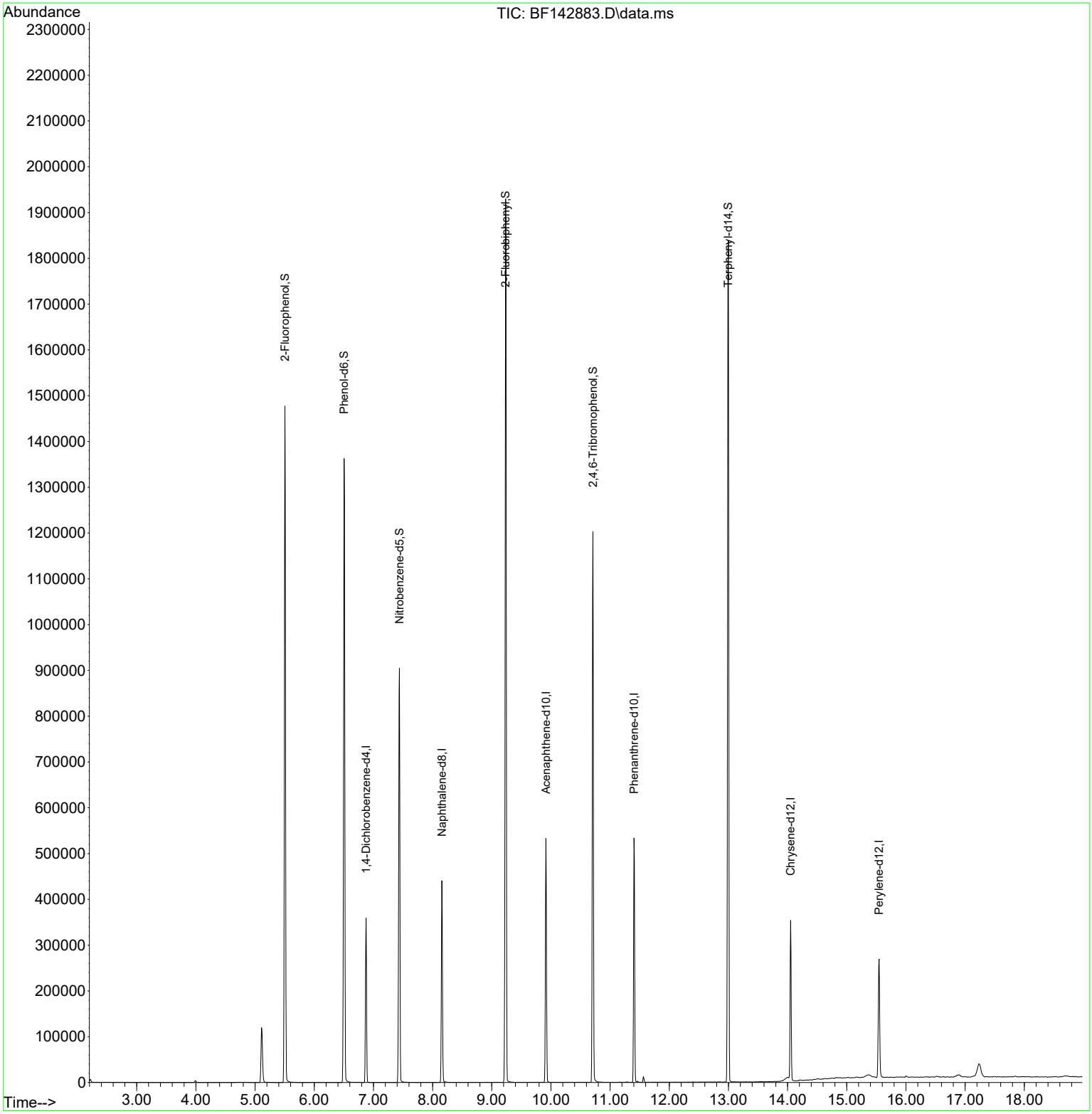
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77815	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	299629	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163854	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	285501	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173222	20.000	ng	0.00
86) Perylene-d12	15.545	264	159728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	578642	123.806	ng	0.01
7) Phenol-d6	6.504	99	676397	122.666	ng	0.00
23) Nitrobenzene-d5	7.439	82	430688	78.843	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	215134	127.587	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	944737	75.743	ng	-0.01
79) Terphenyl-d14	12.998	244	942932	75.213	ng	0.00
Target Compounds						Qvalue

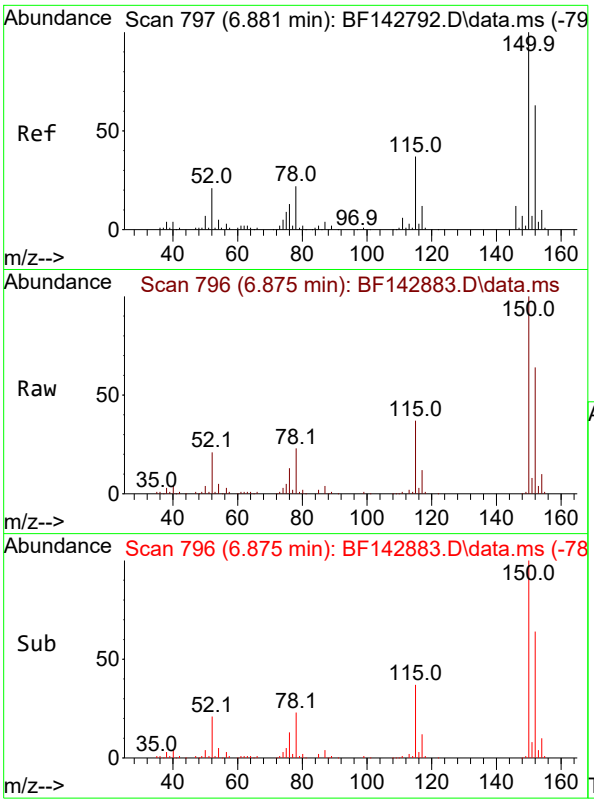
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142883.D
Acq On : 27 Jun 2025 10:20
Operator : RC/JU
Sample : PB168571TB
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Quant Time: Jun 27 11:47:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



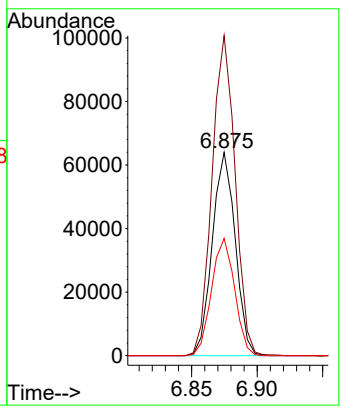


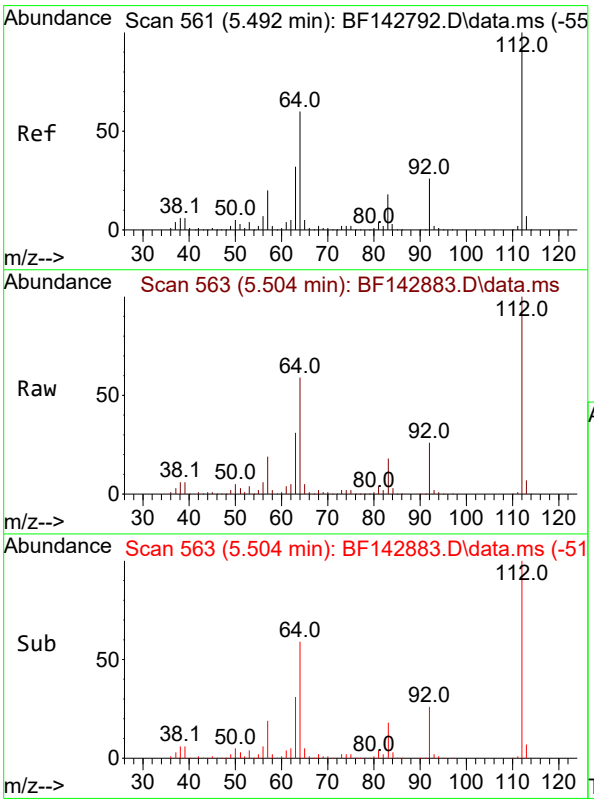
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion:152 Resp: 77815

Ion	Ratio	Lower	Upper
152	100		
150	157.5	127.2	190.8
115	57.7	46.6	69.8

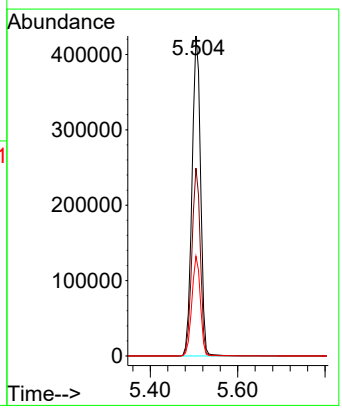


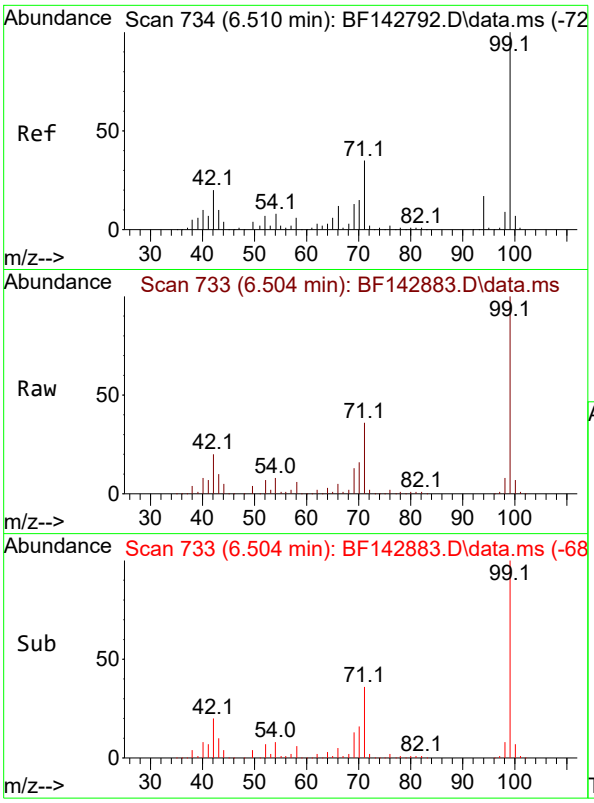


#5
2-Fluorophenol
Concen: 123.806 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:112 Resp: 578642

Ion	Ratio	Lower	Upper
112	100		
64	58.7	48.2	72.2
63	31.2	25.7	38.5



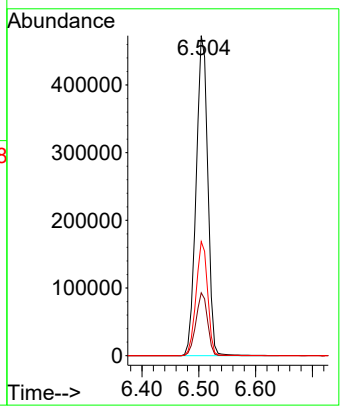


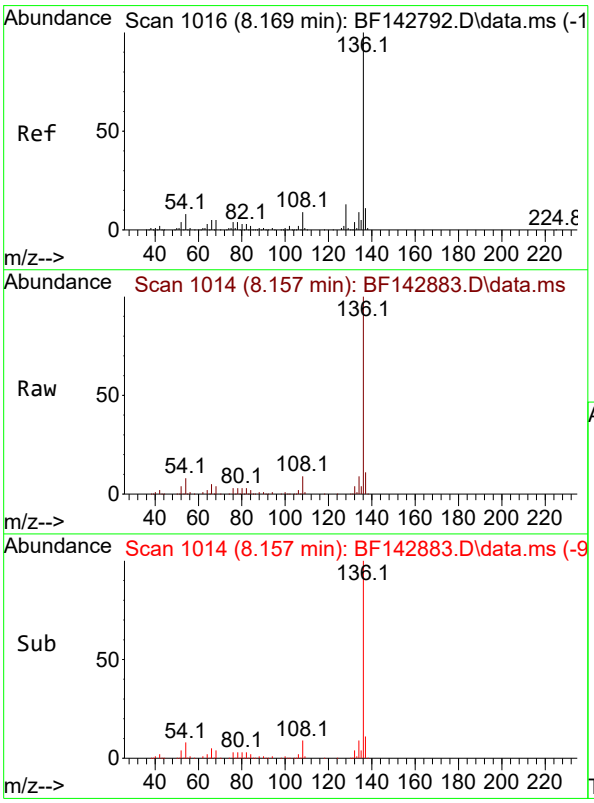
#7
Phenol-d6
Concen: 122.666 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion: 99 Resp: 676397

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.6	27.8	41.8

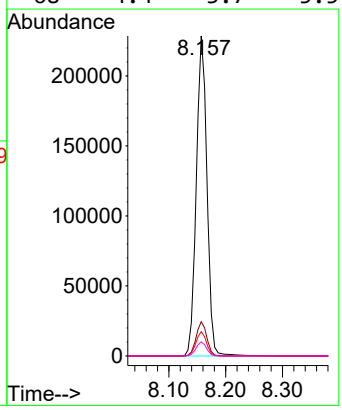


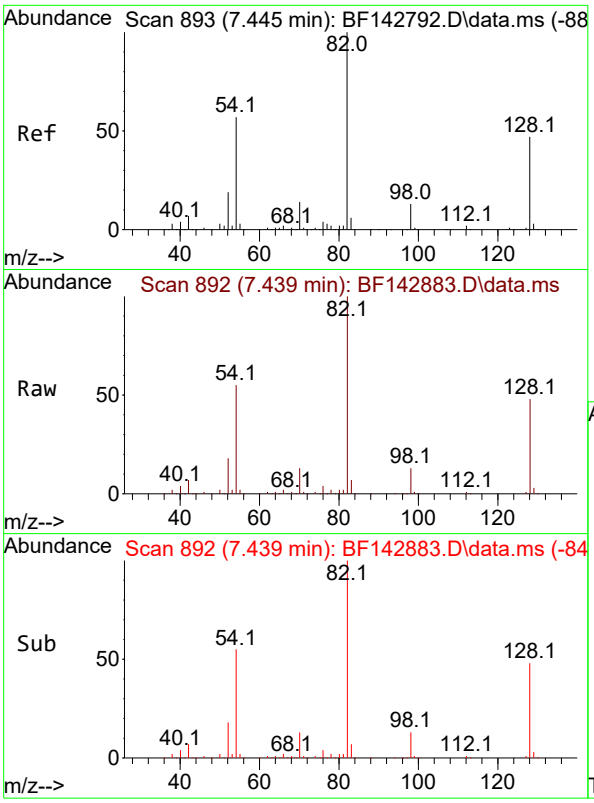


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:136 Resp: 299629

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.6	6.3	9.5
68	4.4	3.7	5.5



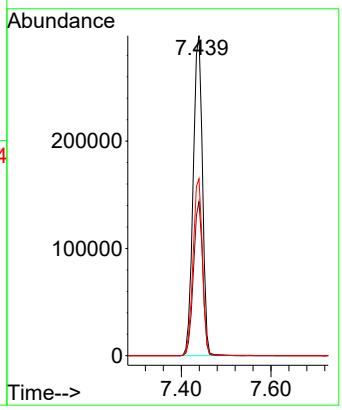


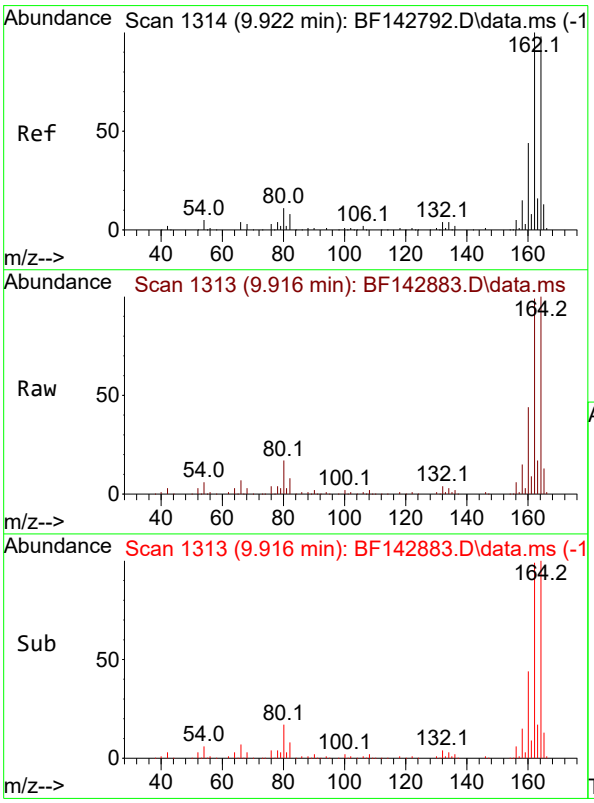
#23
Nitrobenzene-d5
Concen: 78.843 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion: 82 Resp: 430688

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	55.3	45.7	68.5

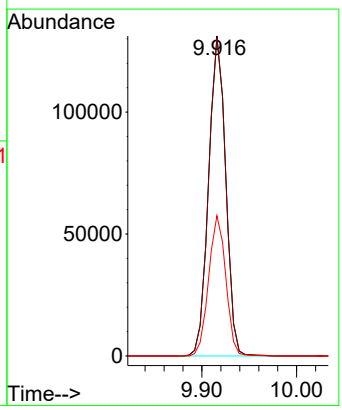


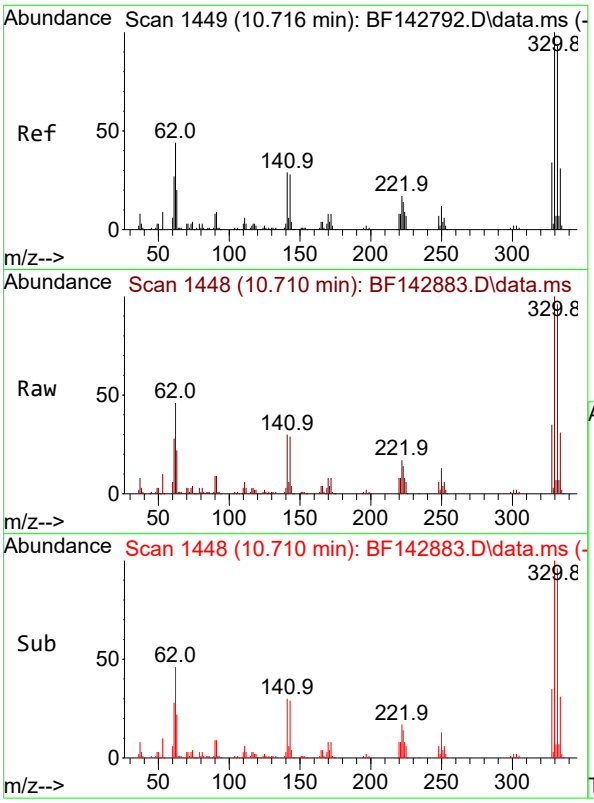


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:164 Resp: 163854

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.8	122.8
160	43.8	36.0	54.0



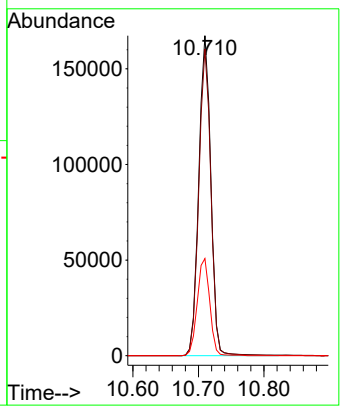


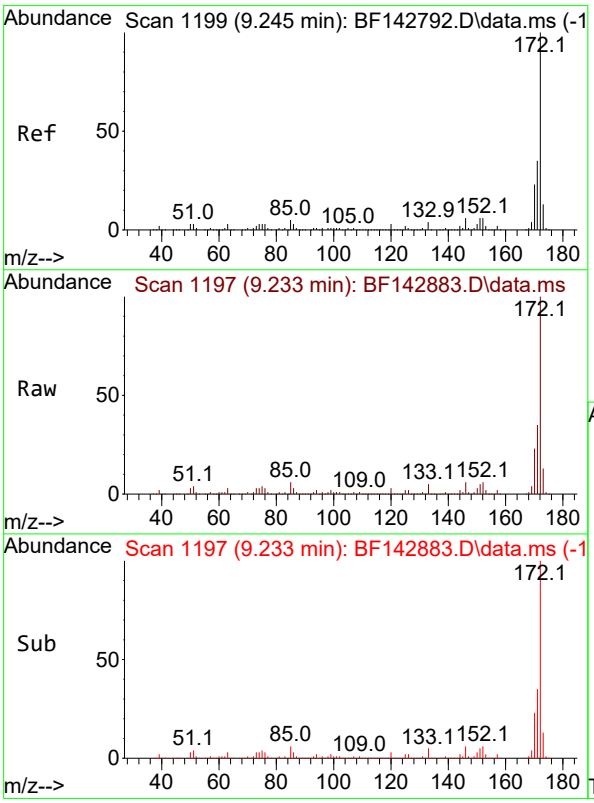
#42
2,4,6-Tribromophenol
Concen: 127.587 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion:330 Resp: 215134

Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.0	112.6
141	31.3	25.3	37.9

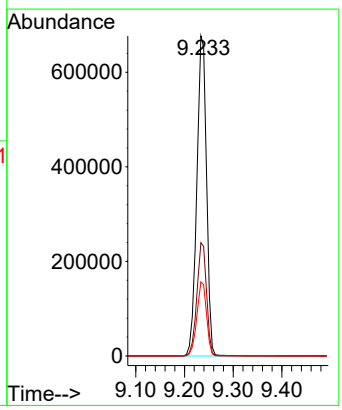


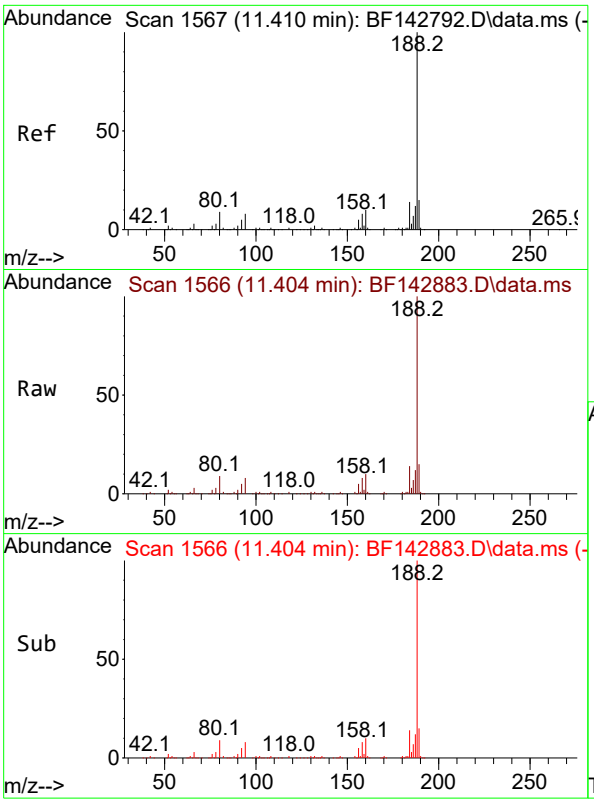


#45
2-Fluorobiphenyl
Concen: 75.743 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:172 Resp: 944737

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.1	18.5	27.7



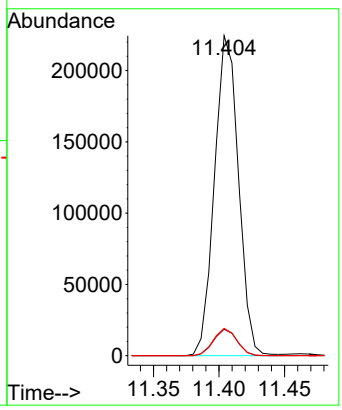


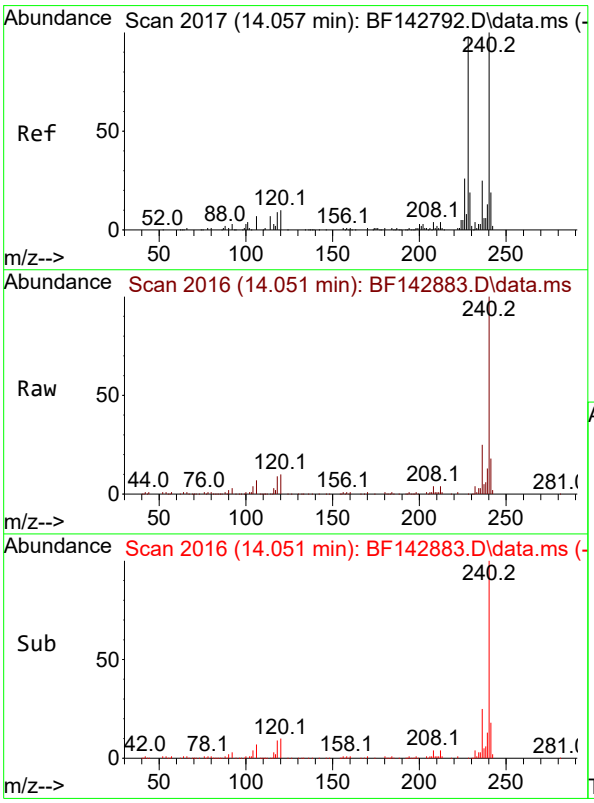
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion:188 Resp: 285501

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.6	6.9	10.3

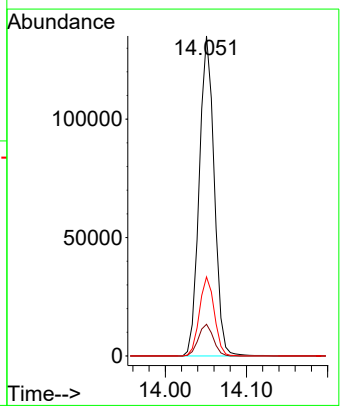


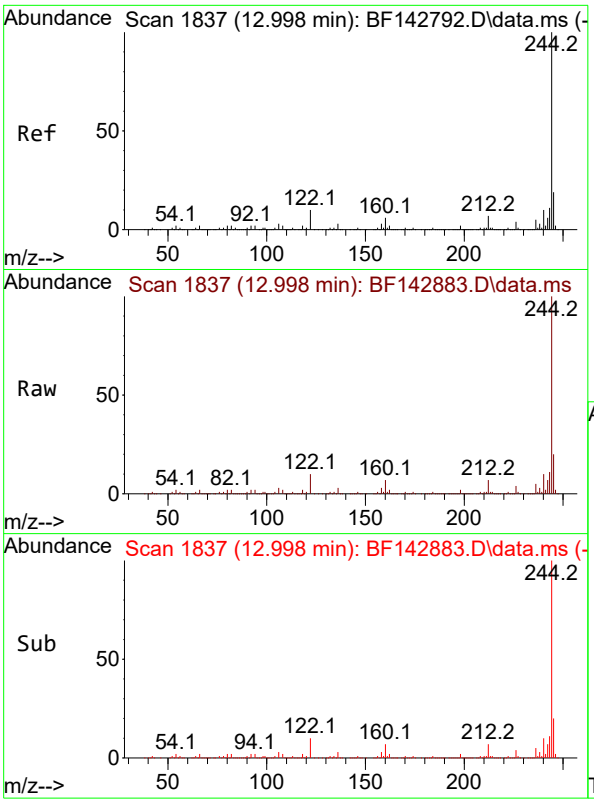


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:240 Resp: 173222

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	24.7	19.8	29.8



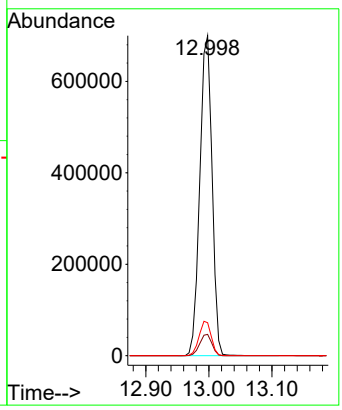


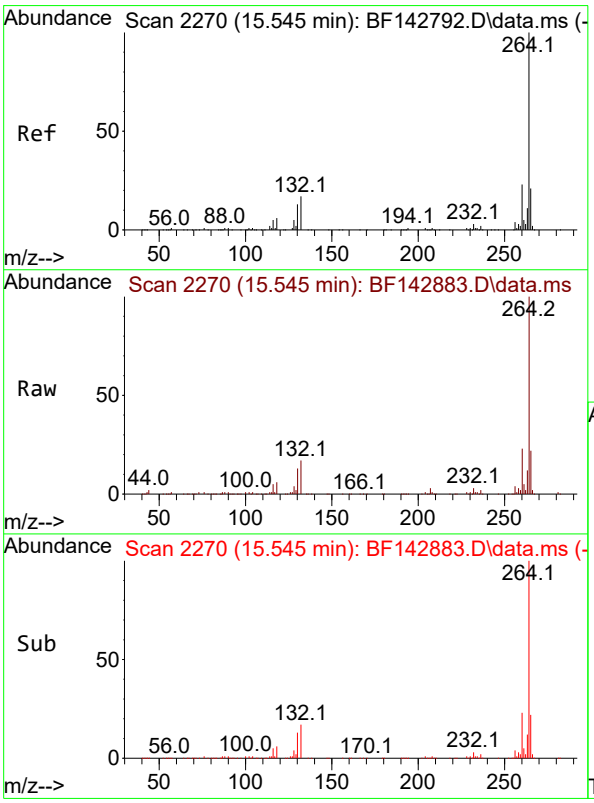
#79
Terphenyl-d14
Concen: 75.213 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Instrument :
BNA_F
ClientSampleId :
PB168571TB

Tgt Ion:244 Resp: 942932

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.3	8.2	12.2

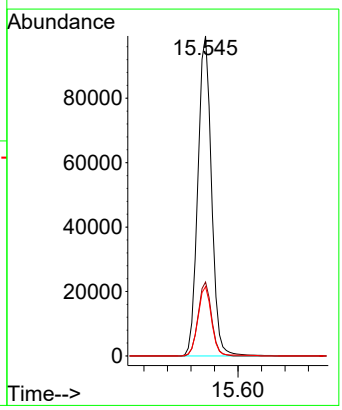




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142883.D
Acq: 27 Jun 2025 10:20

Tgt Ion:264 Resp: 159728

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.1	27.1
265	21.6	16.6	25.0



Raw Data: **BF142870.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142870.D	1	06/25/25 11:10	06/26/25 16:06	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		15 (23) - 110 (138)	78%	SPK: 150
13127-88-3	Phenol-d6	106		15 (10) - 110 (134)	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.0		30 (67) - 130 (132)	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		15 (44) - 110 (137)	86%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		30 (42) - 130 (152)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	80900	6.875			
1146-65-2	Naphthalene-d8	315000	8.157			
15067-26-2	Acenaphthene-d10	165000	9.916			
1517-22-2	Phenanthrene-d10	274000	11.404			
1719-03-5	Chrysene-d12	139000	14.051			
1520-96-3	Perylene-d12	160000	15.539			

Raw Data: **BF142870.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/24/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/24/25
Client Sample ID:	COP-SOIL-PILE	SDG No.:	Q2409
Lab Sample ID:	Q2409-02	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142870.D	1	06/25/25 11:10	06/26/25 16:06	PB168614

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: **BF142870.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142870.D
Acq On : 26 Jun 2025 16:06
Operator : RC/JU
Sample : Q2409-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Quant Time: Jun 26 16:43:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

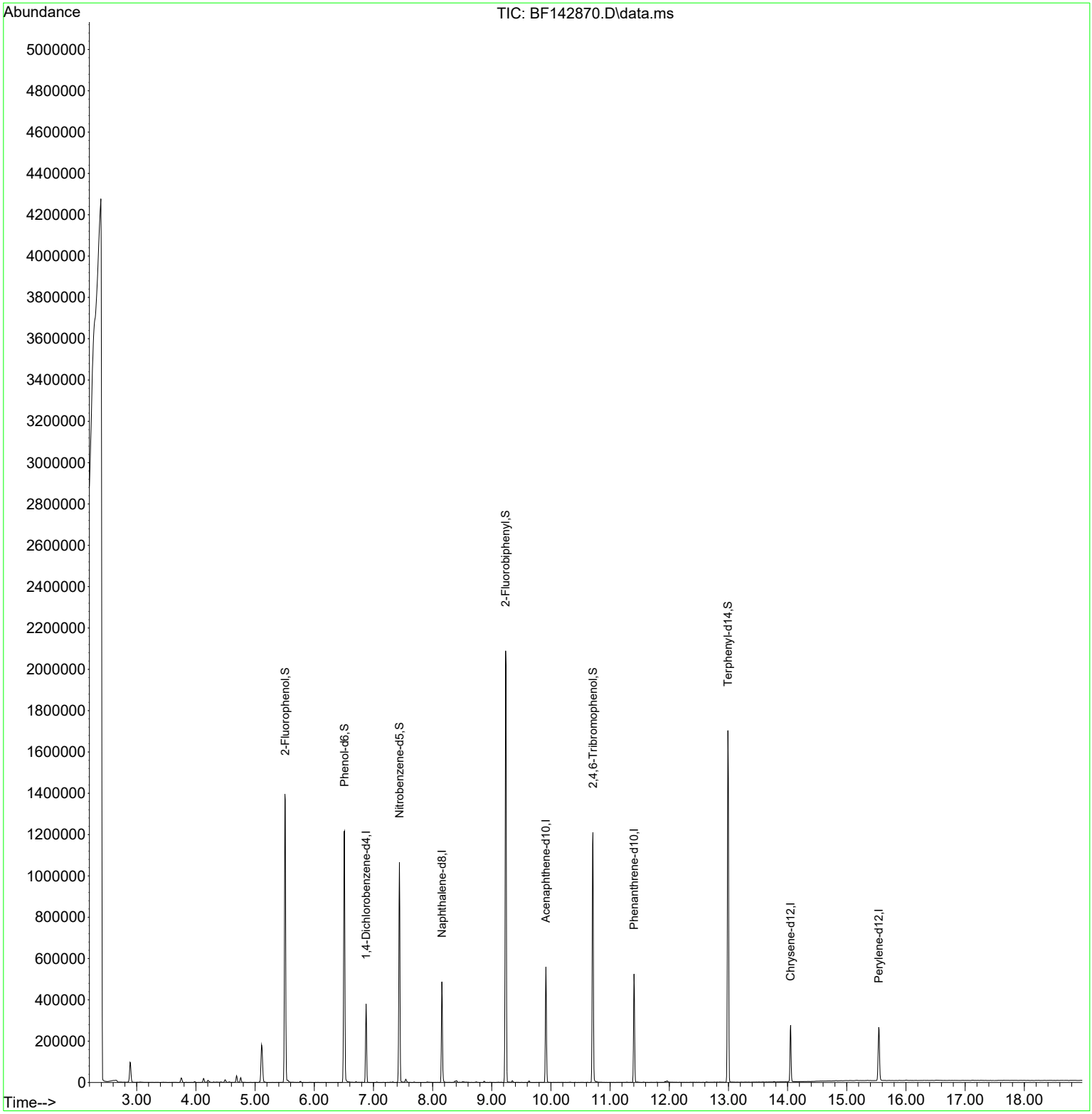
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80928	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	314887	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	165118	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	274266	20.000	ng	0.00
76) Chrysene-d12	14.051	240	138507	20.000	ng	0.00
86) Perylene-d12	15.539	264	159738	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	565560	116.352	ng	0.02
7) Phenol-d6	6.510	99	607532	105.939	ng	0.00
23) Nitrobenzene-d5	7.439	82	465195	81.033	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	218590	128.645	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	982020	78.129	ng	-0.01
79) Terphenyl-d14	12.992	244	834803	83.277	ng	0.00
Target Compounds						Qvalue

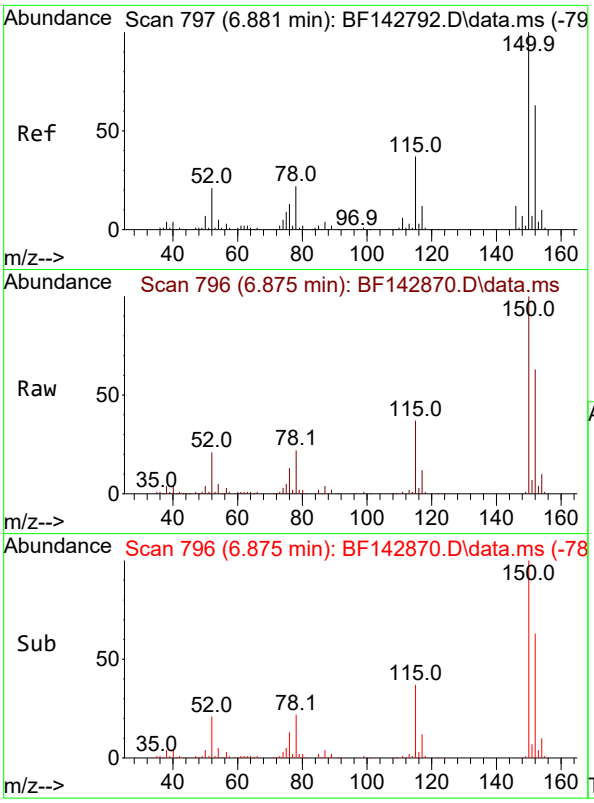
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142870.D
Acq On : 26 Jun 2025 16:06
Operator : RC/JU
Sample : Q2409-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Quant Time: Jun 26 16:43:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



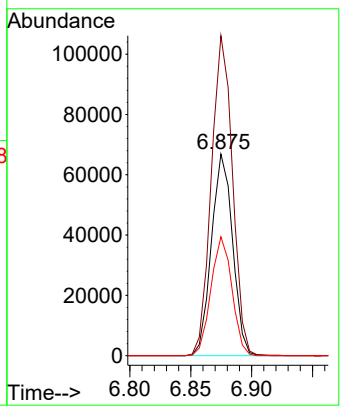


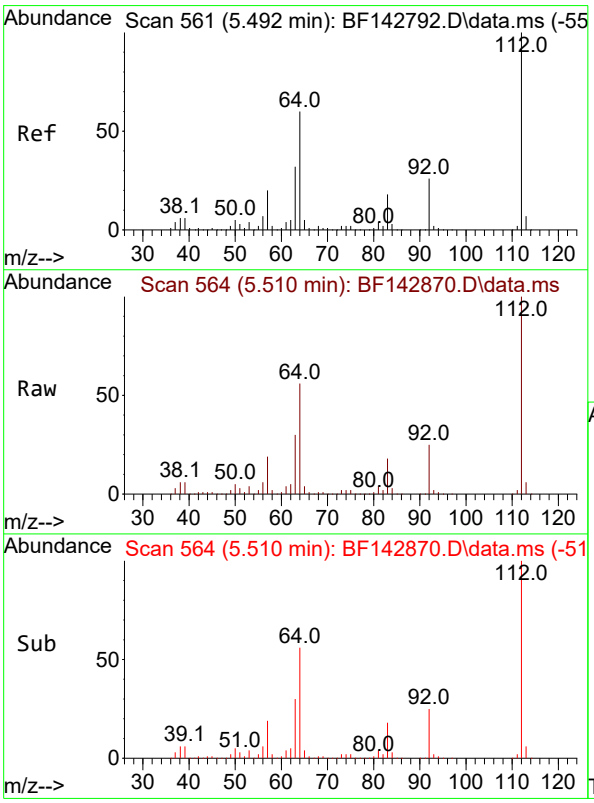
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:152 Resp: 80928

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.2	190.8
115	58.9	46.6	69.8

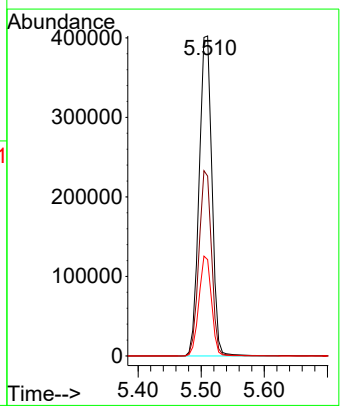


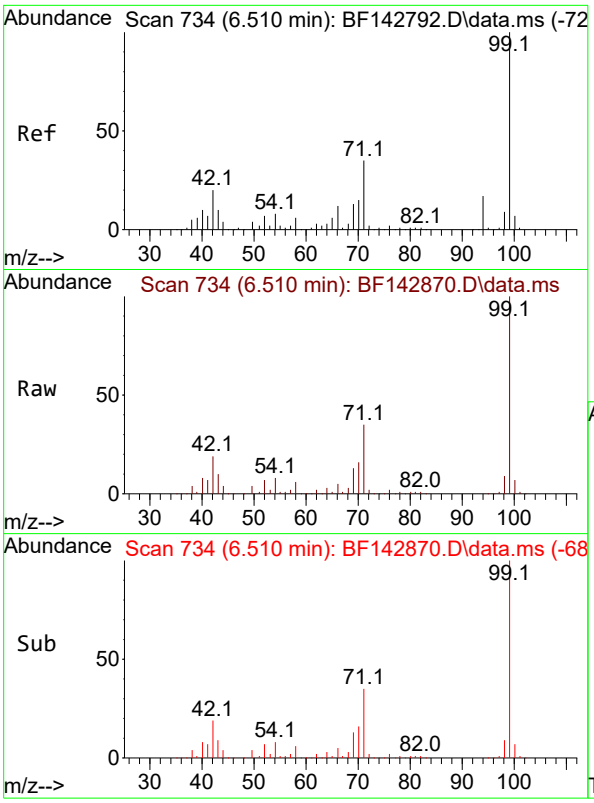


#5
2-Fluorophenol
Concen: 116.352 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:112 Resp: 565560

Ion	Ratio	Lower	Upper
112	100		
64	56.2	48.2	72.2
63	30.1	25.7	38.5



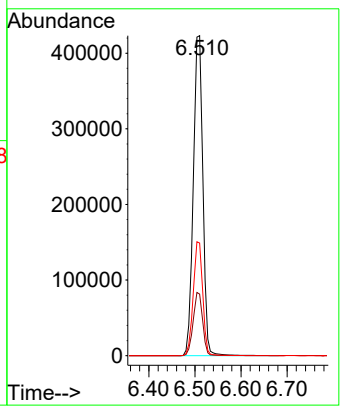


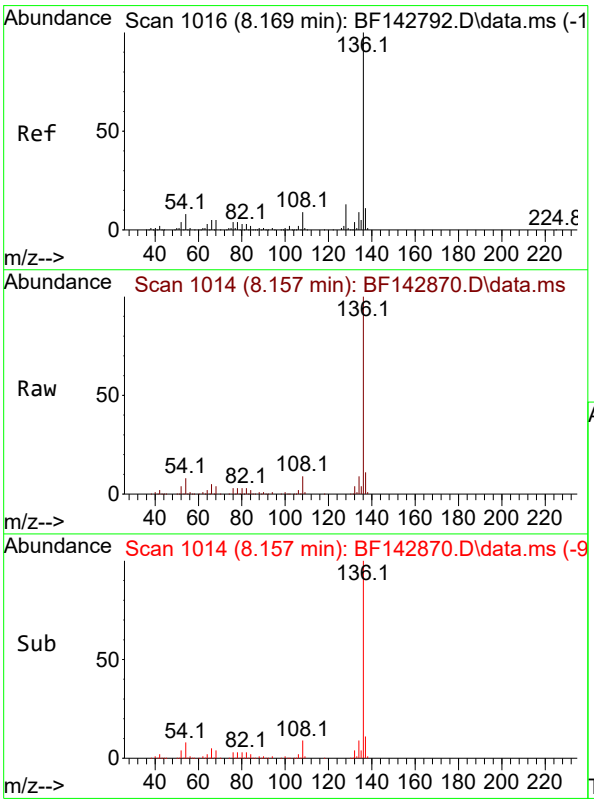
#7
Phenol-d6
Concen: 105.939 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 99 Resp: 607532

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	35.2	27.8	41.8

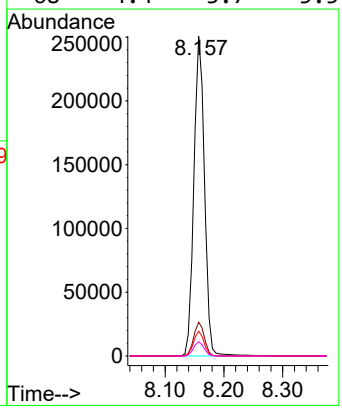


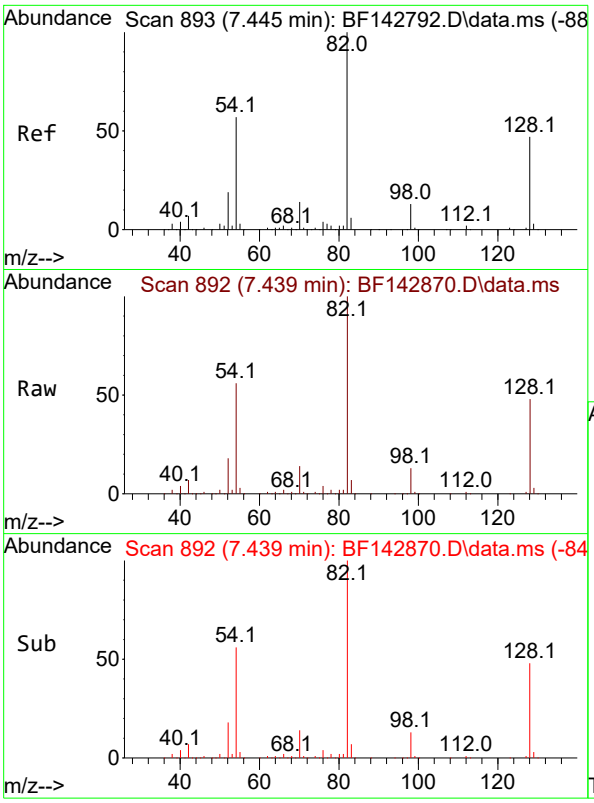


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:136 Resp: 314887

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.7	6.3	9.5
68	4.4	3.7	5.5



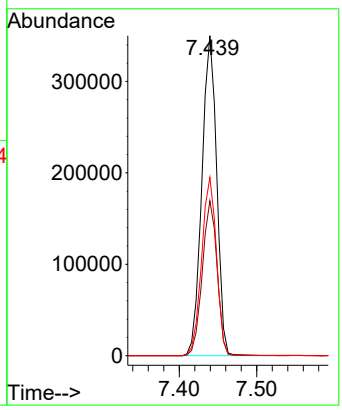


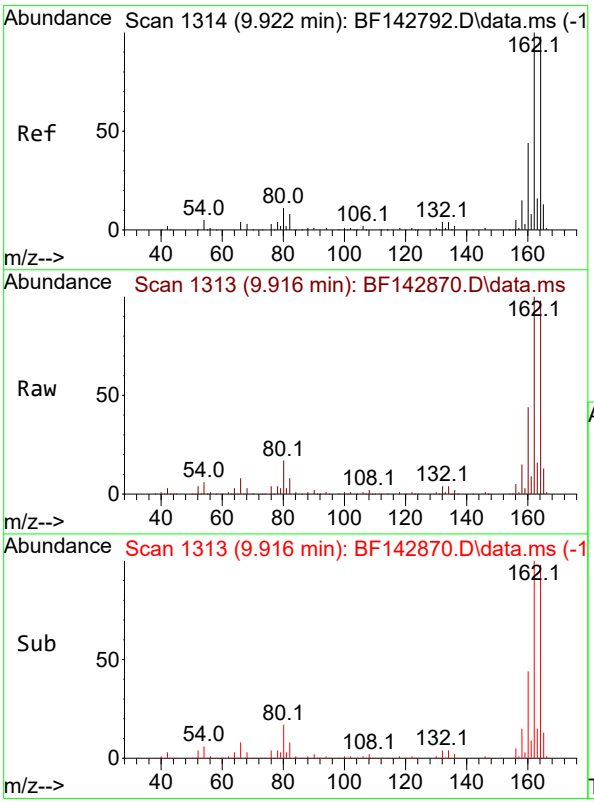
#23
Nitrobenzene-d5
Concen: 81.033 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion: 82 Resp: 465195

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.7	56.5
54	55.7	45.7	68.5

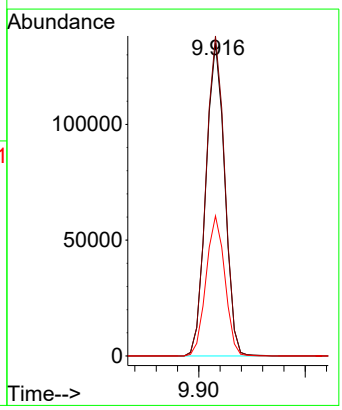


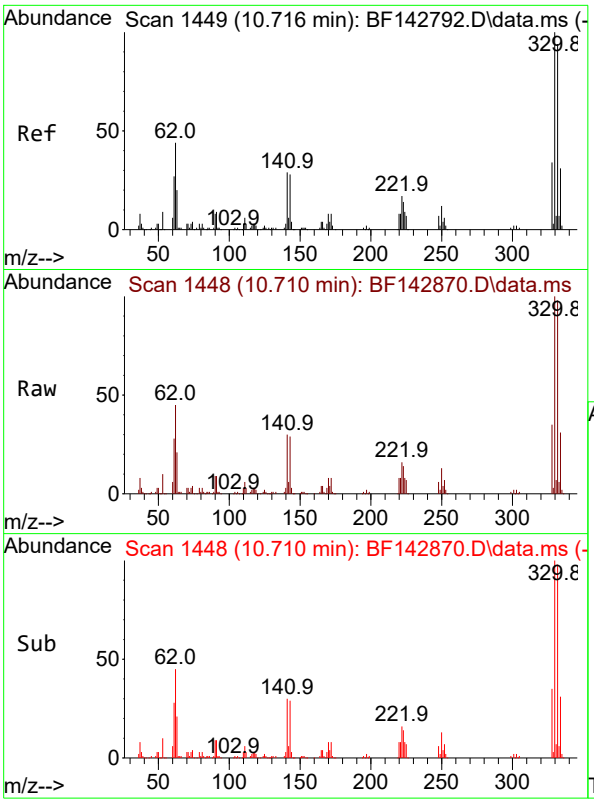


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:164 Resp: 165118

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.8
160	44.7	36.0	54.0



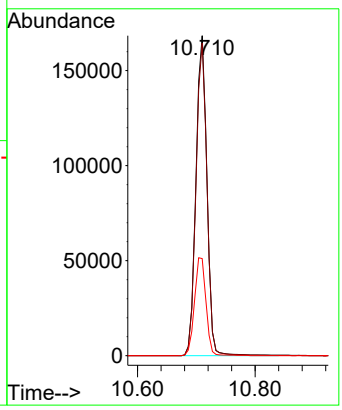


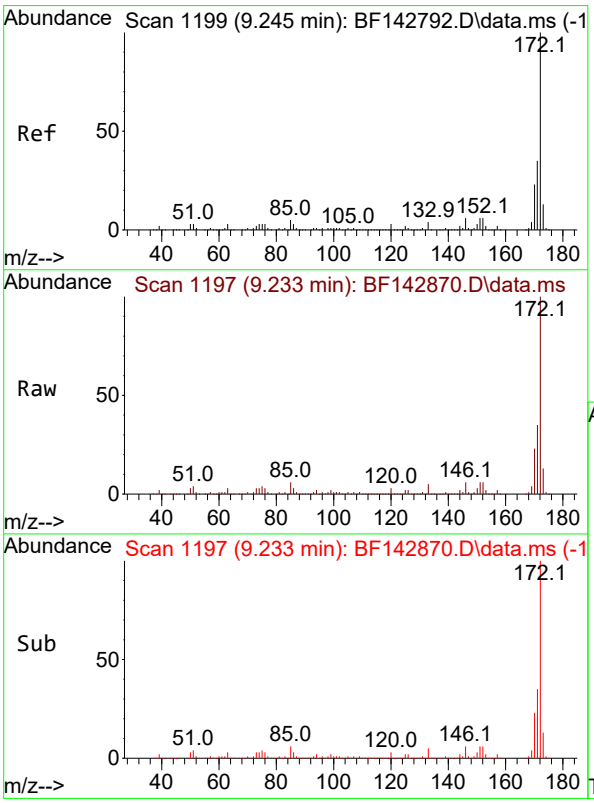
#42
2,4,6-Tribromophenol
Concen: 128.645 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:330 Resp: 218590

Ion	Ratio	Lower	Upper
330	100		
332	97.6	75.0	112.6
141	32.0	25.3	37.9

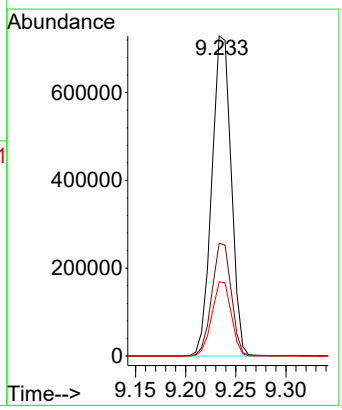


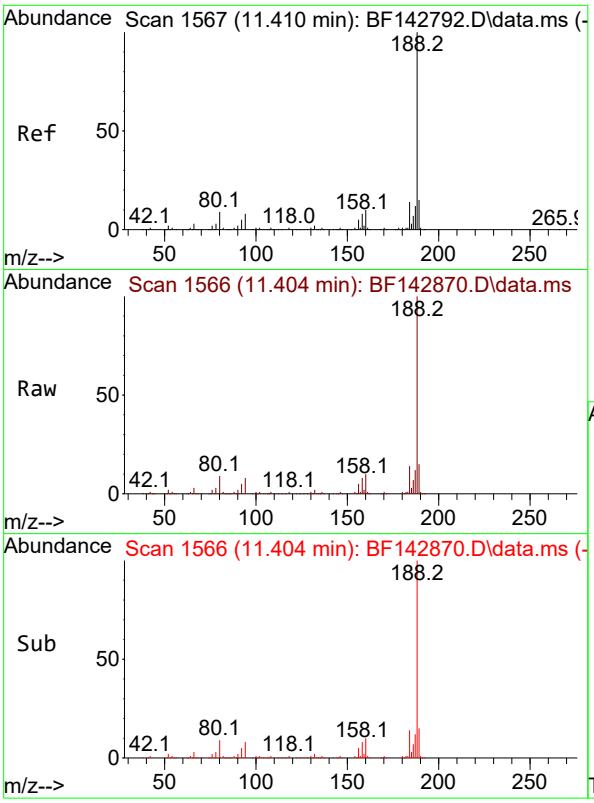


#45
2-Fluorobiphenyl
Concen: 78.129 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:172 Resp: 982020

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.2	18.5	27.7



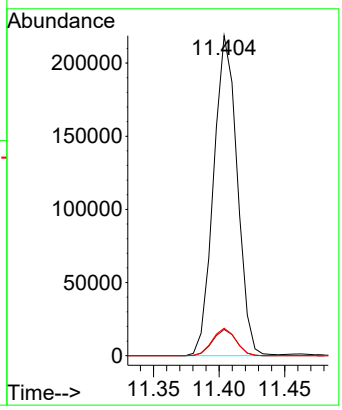


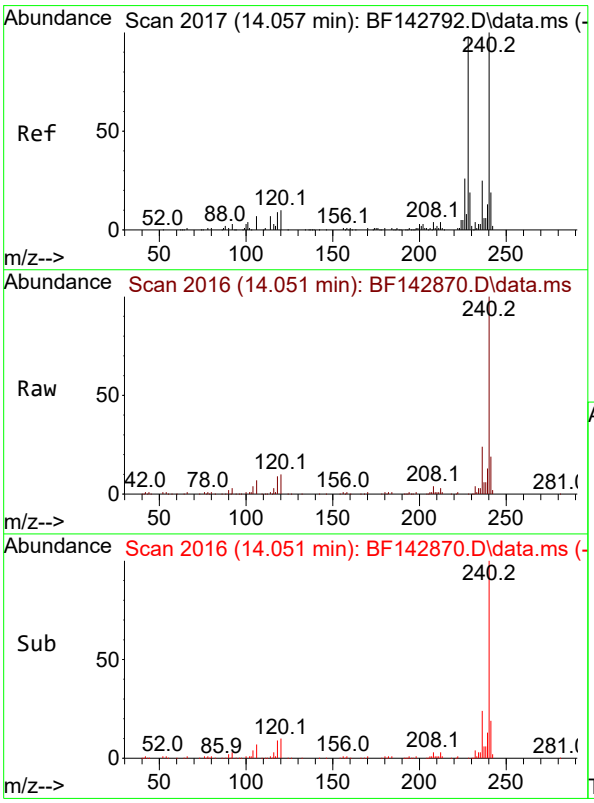
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:188 Resp: 274266

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.6	6.9	10.3

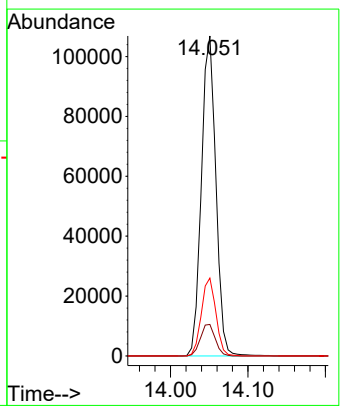


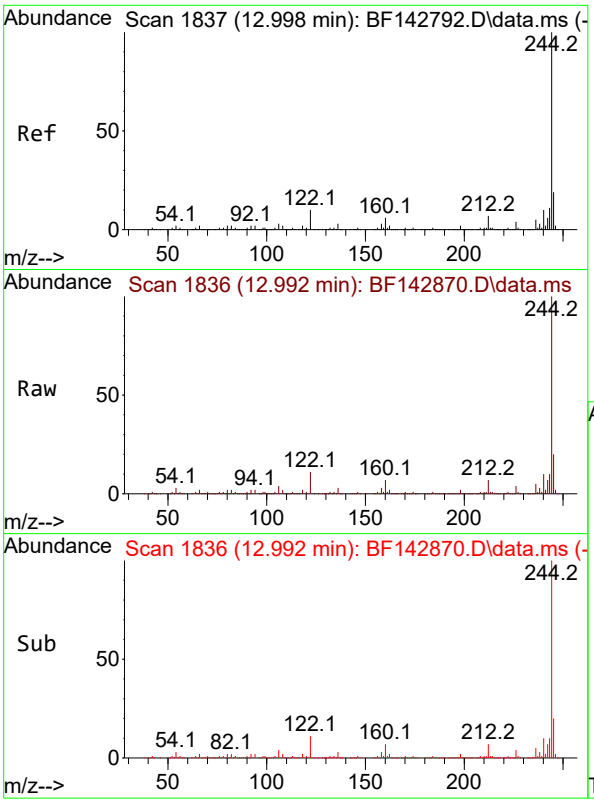


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:240 Resp: 138507

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	24.4	19.8	29.8



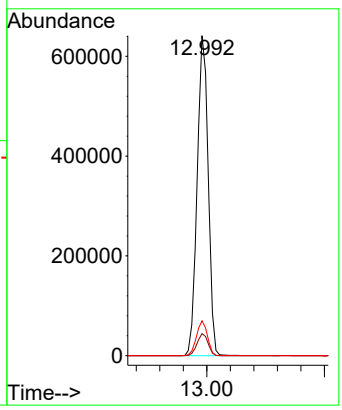


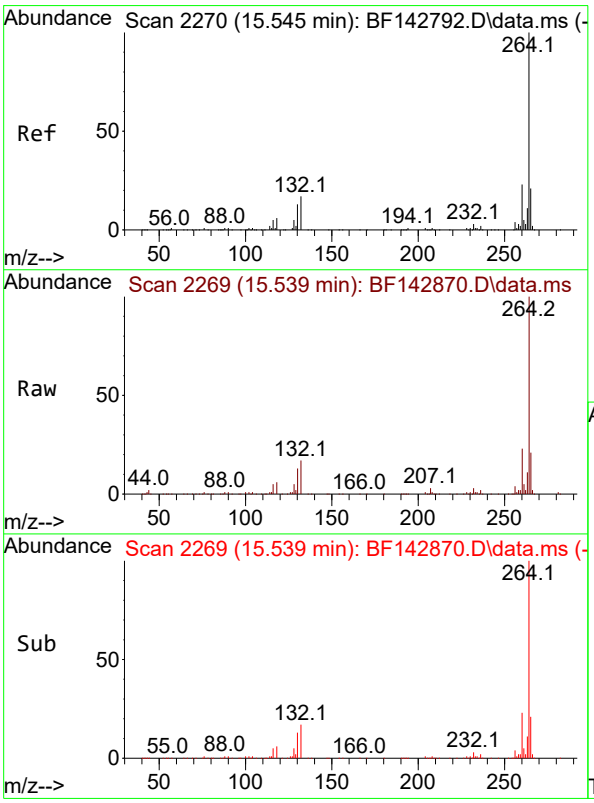
#79
Terphenyl-d14
Concen: 83.277 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Instrument :
BNA_F
ClientSampleId :
COP-SOIL-PILE

Tgt Ion:244 Resp: 834803

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.9	8.2	12.2

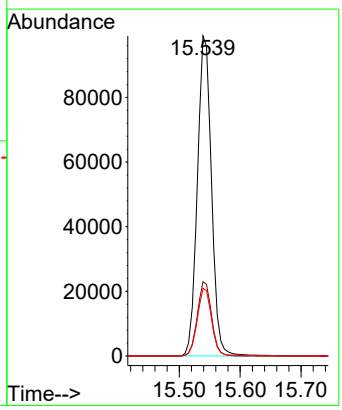




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142870.D
Acq: 26 Jun 2025 16:06

Tgt Ion:264 Resp: 159738

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.1	27.1
265	21.1	16.6	25.0



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: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.190	1.195	1.190	1.164	1.303	1.205	3.8
2-Fluorophenol		1.238	1.230	1.230	1.149	1.263	1.201	4.3
Phenol-d6		1.512	1.481	1.423	1.340	1.480	1.417	5.5
1,4-Dichlorobenzene		1.563	1.496	1.472	1.409	1.523	1.462	5.0
2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.982	4.1
3+4-Methylphenols			1.292	1.262	1.176	1.312	1.224	6.4
Nitrobenzene-d5		0.369	0.362	0.373	0.354	0.386	0.365	3.5
Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.511	3.9
Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.330	3.9
Hexachlorobutadiene		0.195	0.188	0.198	0.184	0.200	0.190	4.3
2,4,6-Trichlorophenol		0.385	0.380	0.394	0.365	0.408	0.385	3.7
2-Fluorobiphenyl		1.740	1.636	1.592	1.430	1.500	1.522	9.2
2,4,5-Trichlorophenol		0.407	0.403	0.421	0.391	0.416	0.405	3.0
2,4-Dinitrotoluene		0.373	0.378	0.397	0.367	0.407	0.378	5.9
2,4,6-Tribromophenol		0.208	0.207	0.214	0.200	0.219	0.206	5.0
Hexachlorobenzene		0.263	0.248	0.257	0.241	0.262	0.253	3.3
Pentachlorophenol			0.102	0.119	0.125	0.142	0.126	11.3
Terphenyl-d14		1.691	1.556	1.533	1.327	1.535	1.447	13.3

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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12	15.545	264	154736	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.281	70	8100	2.392	ng	97

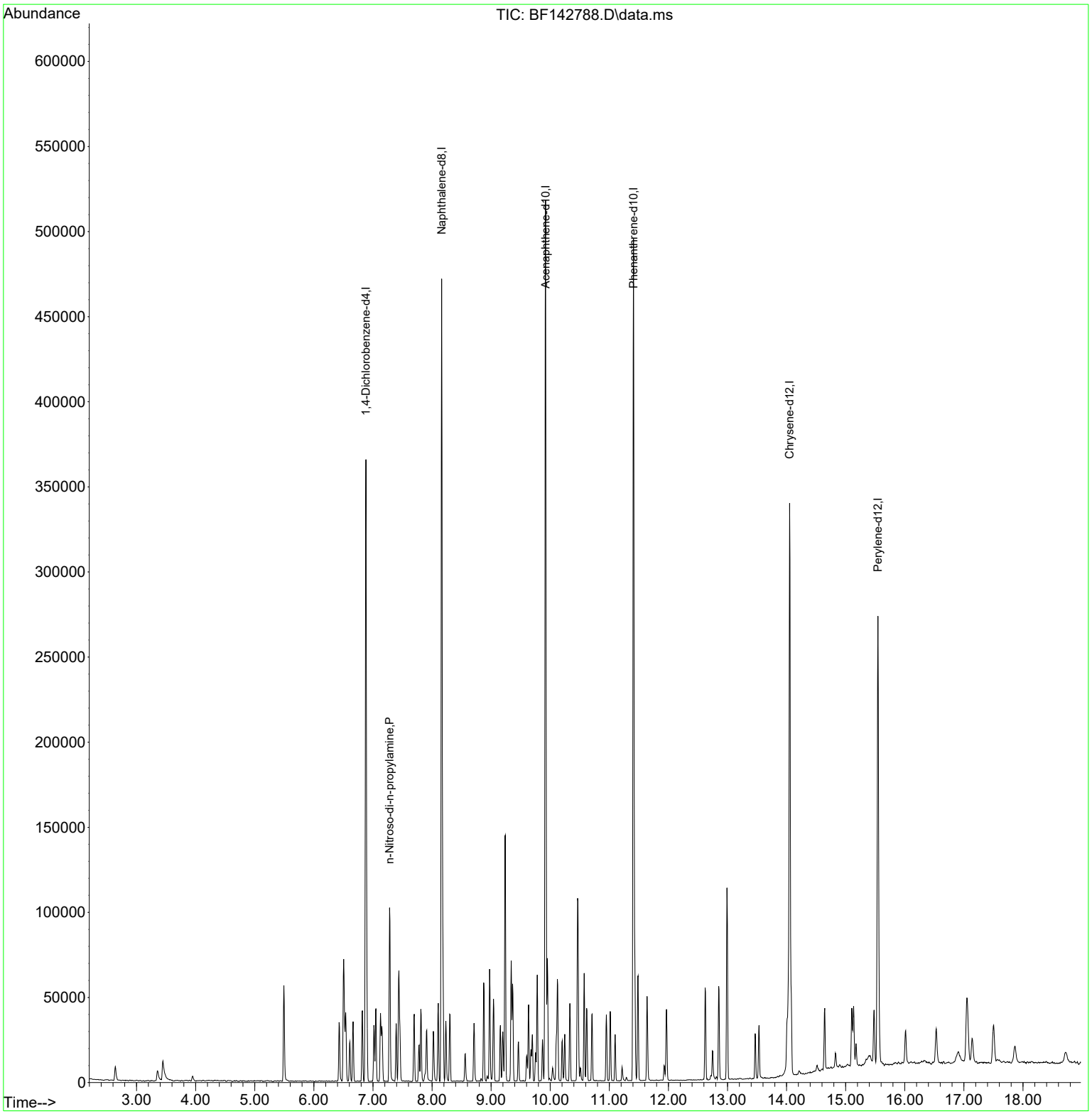
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80144	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	305306	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162729	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277233	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151689	20.000	ng	0.00
86) Perylene-d12	15.545	264	132284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	49599	10.555	ng	0.00
7) Phenol-d6	6.498	99	60590	10.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	56291	10.106	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	16892	9.551	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	141565	11.573	ng	0.00
79) Terphenyl-d14	12.992	244	128289	11.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	9589	5.139	ng	95
3) Pyridine	3.434	79	23835	5.102	ng	98
6) Aniline	6.540	93	39088	5.286	ng	97
8) 2-Chlorophenol	6.663	128	27282	5.332	ng	96
10) Phenol	6.516	94	33027	5.369	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	23378	5.122	ng	99
12) 1,3-Dichlorobenzene	6.822	146	30770	5.281	ng	99
13) 1,4-Dichlorobenzene	6.898	146	31311	5.302	ng	99
14) 1,2-Dichlorobenzene	7.051	146	29215	5.175	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	39577	5.503	ng	99
17) 2-Methylphenol	7.128	107	20336	5.199	ng	99
18) Hexachloroethane	7.392	117	10670	5.054	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	17612	5.061	ng	98
22) Acetophenone	7.281	105	35396	5.240	ng	95
24) Nitrobenzene	7.457	77	26353	5.324	ng	98
25) Isophorone	7.698	82	46673	4.997	ng	99
26) 2-Nitrophenol	7.781	139	12914	4.682	ng	99
27) 2,4-Dimethylphenol	7.810	122	24614	5.242	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	29467	5.068	ng	99
29) 2,4-Dichlorophenol	8.022	162	22222	5.134	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	24724	5.171	ng	98
31) Naphthalene	8.187	128	80247	5.344	ng	99
33) 4-Chloroaniline	8.234	127	31626	5.256	ng	98
34) Hexachlorobutadiene	8.304	225	14900	4.918	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	22861	5.113	ng	98
37) 2-Methylnaphthalene	8.875	142	50024	5.281	ng	99
38) 1-Methylnaphthalene	8.975	142	52193	5.307	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	25456	5.419	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	15667	5.154	ng	100
44) 2,4,5-Trichlorophenol	9.192	196	16563	5.045	ng	97
46) 1,1'-Biphenyl	9.339	154	69218	5.478	ng	99
47) 2-Chloronaphthalene	9.363	162	52868	5.670	ng	98
48) 2-Nitroaniline	9.457	65	13076	4.937	ng	96
49) Acenaphthylene	9.781	152	85856	5.477	ng	99
50) Dimethylphthalate	9.633	163	55804	5.170	ng	99
51) 2,6-Dinitrotoluene	9.698	165	12080	5.163	ng	98

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

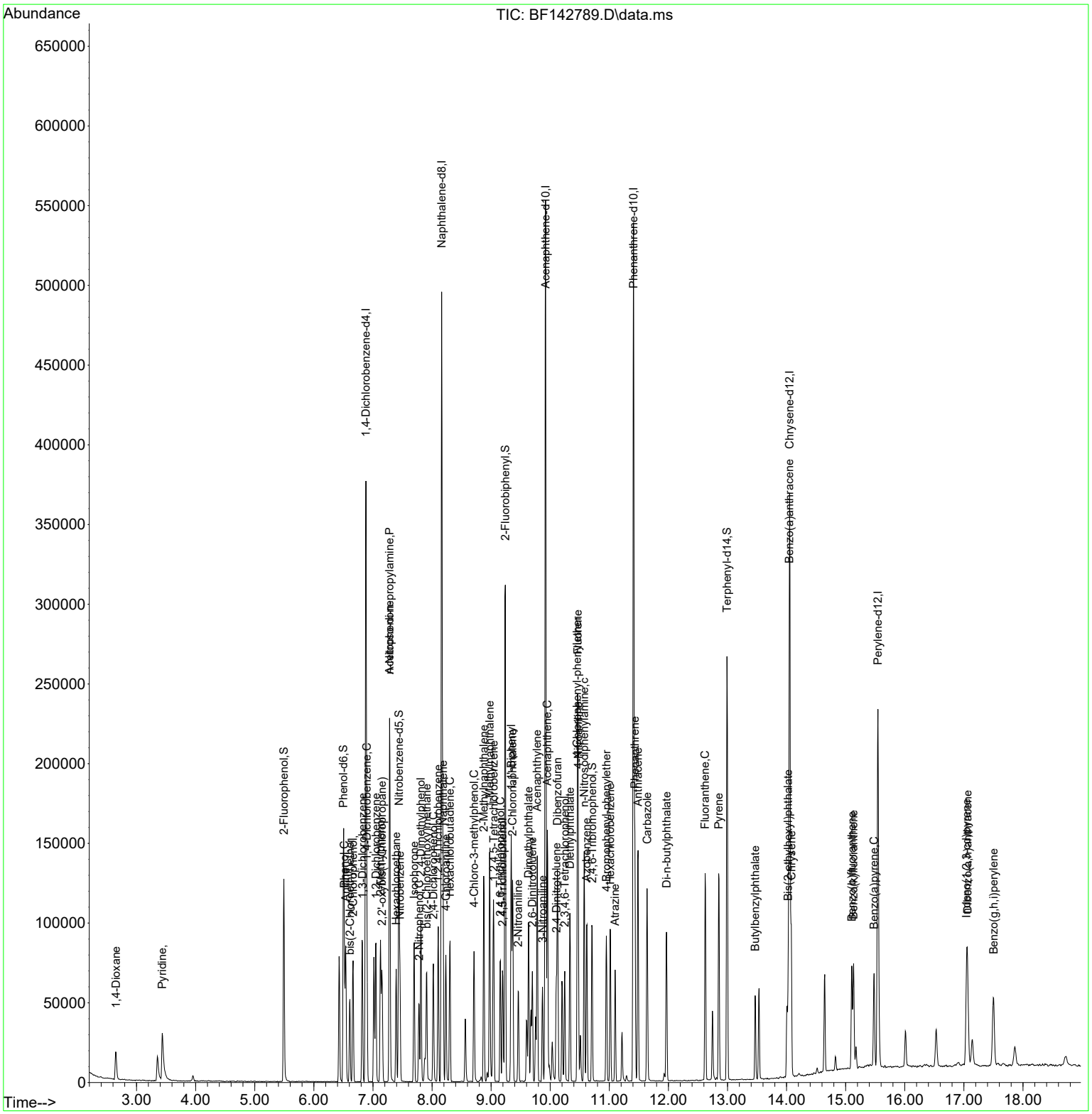
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	50726	5.230	ng		97
53) 3-Nitroaniline	9.869	138	12667	4.984	ng		99
55) Dibenzofuran	10.122	168	74998	5.420	ng		99
57) 2,4-Dinitrotoluene	10.104	165	15173	4.904	ng		96
58) Fluorene	10.469	166	59558	5.453	ng		100
59) 2,3,4,6-Tetrachlorophenol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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	76918	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	299903	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158336	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273084	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152374	20.000	ng	0.00
86) Perylene-d12	15.545	264	140417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94601	20.977	ng	0.00
7) Phenol-d6	6.504	99	113910	21.510	ng	0.00
23) Nitrobenzene-d5	7.440	82	108508	19.832	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	32767	19.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	259052	21.765	ng	0.00
79) Terphenyl-d14	12.992	244	237037	21.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	19183	10.712	ng	98
3) Pyridine	3.416	79	45966	10.252	ng	98
4) n-Nitrosodimethylamine	3.346	42	23459	10.216	ng	99
6) Aniline	6.540	93	74779	10.537	ng	100
8) 2-Chlorophenol	6.663	128	50128	10.208	ng	99
9) Benzaldehyde	6.428	77	37993	11.768	ng	98
10) Phenol	6.516	94	63585	10.769	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	43585	9.950	ng	99
12) 1,3-Dichlorobenzene	6.822	146	57659	10.312	ng	97
13) 1,4-Dichlorobenzene	6.898	146	57522	10.149	ng	99
14) 1,2-Dichlorobenzene	7.051	146	54672	10.091	ng	99
15) Benzyl Alcohol	7.016	79	39348	9.927	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	71897	10.417	ng	99
17) 2-Methylphenol	7.128	107	38357	10.217	ng	98
18) Hexachloroethane	7.393	117	20035	9.889	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	32293	9.670	ng	98
20) 3+4-Methylphenols	7.281	107	49675	10.513	ng	91
22) Acetophenone	7.287	105	67666	10.197	ng	98
24) Nitrobenzene	7.457	77	48789	10.034	ng	99
25) Isophorone	7.698	82	87205	9.504	ng	99
26) 2-Nitrophenol	7.781	139	25734	9.498	ng	99
27) 2,4-Dimethylphenol	7.810	122	46454	10.071	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	55907	9.788	ng	100
29) 2,4-Dichlorophenol	8.022	162	41925	9.861	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	47419	10.097	ng	99
31) Naphthalene	8.187	128	150265	10.188	ng	100
32) Benzoic acid	7.887	122	17708	6.919	ng	90
33) 4-Chloroaniline	8.234	127	61190	10.352	ng	98
34) Hexachlorobutadiene	8.304	225	28192	9.473	ng	100
35) Caprolactam	8.569	113	10933	9.557	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	41204	9.382	ng	98
37) 2-Methylnaphthalene	8.875	142	93078	10.003	ng	98
38) 1-Methylnaphthalene	8.975	142	96673	10.007	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	48175	10.540	ng	98
41) Hexachlorocyclopentadiene	9.028	237	18602	6.436	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	30118	10.182	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

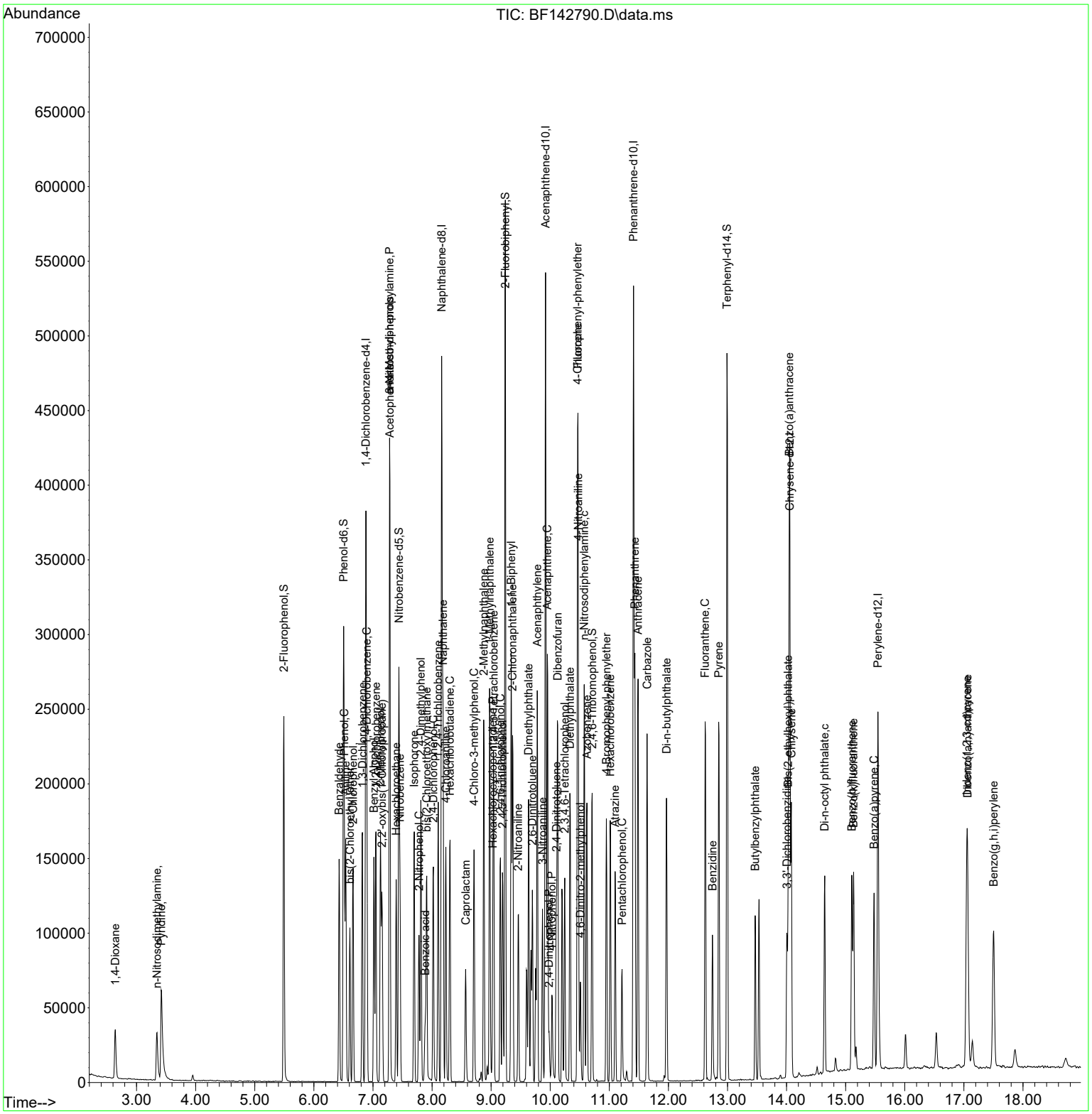
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) Dimethylphthalate	9.634	163	105636	10.058	ng	99
51) 2,6-Dinitrotoluene	9.698	165	22116	9.714	ng	97
52) Acenaphthene	9.951	154	94961	10.062	ng	98
53) 3-Nitroaniline	9.869	138	24651	9.968	ng	98
54) 2,4-Dinitrophenol	9.981	184	7521	6.104	ng	97
55) Dibenzofuran	10.128	168	140256	10.416	ng	97
56) 4-Nitrophenol	10.028	139	14986	8.927	ng	94
57) 2,4-Dinitrotoluene	10.104	165	29934	9.943	ng	99
58) Fluorene	10.469	166	111772	10.518	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	25885	9.666	ng	96
60) Diethylphthalate	10.334	149	103048	9.877	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	51958	10.067	ng	96
62) 4-Nitroaniline	10.475	138	21876	9.854	ng	98
63) Azobenzene	10.622	77	90965	9.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	13545	7.982	ng	91
66) n-Nitrosodiphenylamine	10.575	169	93632	9.978	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	30145	9.425	ng	97
68) Hexachlorobenzene	11.016	284	33838	9.530	ng	98
69) Atrazine	11.098	200	23423	9.401	ng	98
70) Pentachlorophenol	11.216	266	13894	7.534	ng	96
71) Phenanthrene	11.433	178	151997	10.396	ng	100
72) Anthracene	11.486	178	153376	10.135	ng	99
73) Carbazole	11.639	167	134656	10.625	ng	99
74) Di-n-butylphthalate	11.969	149	137293	9.784	ng	99
75) Fluoranthene	12.622	202	148540	10.693	ng	98
77) Benzidine	12.745	184	56769	10.524	ng	98
78) Pyrene	12.851	202	147819	10.553	ng	100
80) Butylbenzylphthalate	13.469	149	35843	8.635	ng	100
81) Benzo(a)anthracene	14.045	228	103495	10.345	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	30349	9.368	ng	99
83) Chrysene	14.080	228	90725	9.741	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	51432	8.316	ng	99
85) Di-n-octyl phthalate	14.645	149	91989	7.805	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	104445	10.061	ng	100
88) Benzo(b)fluoranthene	15.104	252	85689	10.478	ng	99
89) Benzo(k)fluoranthene	15.133	252	70470	8.828	ng	99
90) Benzo(a)pyrene	15.480	252	74803	9.558	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	85238	10.099	ng	99
92) Benzo(g,h,i)perylene	17.504	276	84115	9.989	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83780	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	312367	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277149	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151398	20.000	ng	0.00
86) Perylene-d12	15.545	264	151331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	206126	41.963	ng	0.00
7) Phenol-d6	6.504	99	238437	41.338	ng	0.00
23) Nitrobenzene-d5	7.440	82	233268	40.933	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	70502	39.411	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	524084	42.356	ng	0.00
79) Terphenyl-d14	12.998	244	464214	42.675	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	39464	20.232	ng	99
3) Pyridine	3.410	79	99721	20.419	ng	99
4) n-Nitrosodimethylamine	3.346	42	51716	20.677	ng	94
6) Aniline	6.540	93	158463	20.499	ng	99
8) 2-Chlorophenol	6.663	128	108230	20.235	ng	99
9) Benzaldehyde	6.428	77	79008	22.467	ng	99
10) Phenol	6.516	94	133318	20.730	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	94972	19.905	ng	99
12) 1,3-Dichlorobenzene	6.822	146	123139	20.218	ng	99
13) 1,4-Dichlorobenzene	6.899	146	123337	19.980	ng	99
14) 1,2-Dichlorobenzene	7.051	146	118033	20.001	ng	100
15) Benzyl Alcohol	7.016	79	85856	19.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	152035	20.224	ng	99
17) 2-Methylphenol	7.128	107	82097	20.077	ng	99
18) Hexachloroethane	7.393	117	42435	19.229	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	69761	19.178	ng	99
20) 3+4-Methylphenols	7.281	107	105750	20.547	ng	97
22) Acetophenone	7.287	105	143274	20.730	ng	99
24) Nitrobenzene	7.463	77	103569	20.450	ng	97
25) Isophorone	7.698	82	185071	19.365	ng	100
26) 2-Nitrophenol	7.781	139	56979	20.191	ng	99
27) 2,4-Dimethylphenol	7.816	122	99256	20.659	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	119505	20.087	ng	99
29) 2,4-Dichlorophenol	8.022	162	90497	20.437	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	99320	20.304	ng	99
31) Naphthalene	8.187	128	313467	20.405	ng	100
32) Benzoic acid	7.898	122	45969	17.245	ng	98
33) 4-Chloroaniline	8.234	127	127623	20.729	ng	99
34) Hexachlorobutadiene	8.304	225	61994	20.001	ng	98
35) Caprolactam	8.587	113	23555	19.769	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	89279	19.518	ng	99
37) 2-Methylnaphthalene	8.881	142	196609	20.287	ng	100
38) 1-Methylnaphthalene	8.975	142	202898	20.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	99104	20.857	ng	99
41) Hexachlorocyclopentadiene	9.028	237	50669	16.864	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	64786	21.069	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

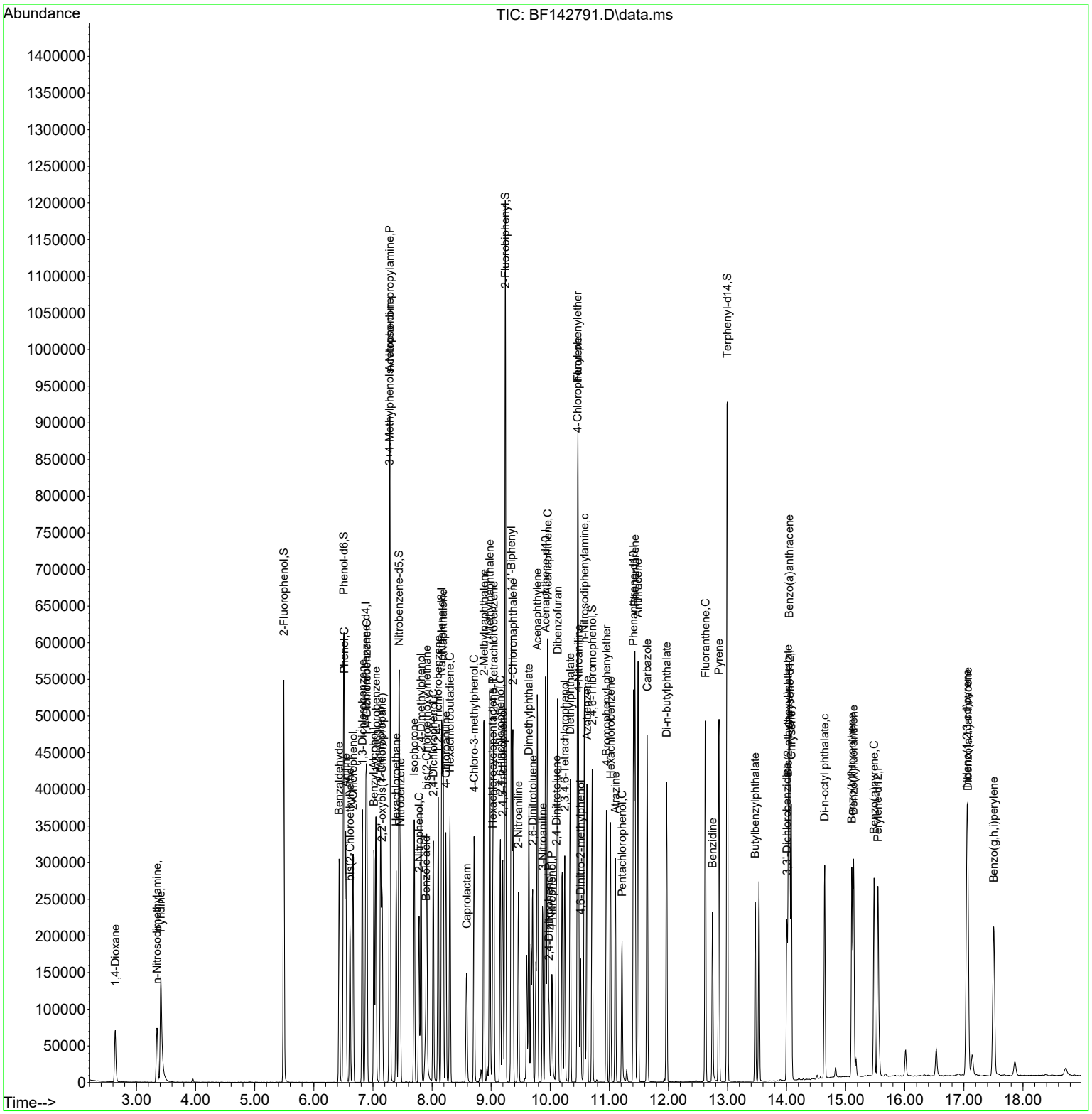
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69275	20.862	ng	98
46) 1,1'-Biphenyl	9.340	154	269396	21.078	ng	100
47) 2-Chloronaphthalene	9.369	162	198874	21.087	ng	99
48) 2-Nitroaniline	9.463	65	55412	20.681	ng	96
49) Acenaphthylene	9.781	152	331018	20.878	ng	99
50) Dimethylphthalate	9.640	163	218901	20.049	ng	100
51) 2,6-Dinitrotoluene	9.704	165	47707	20.156	ng	99
52) Acenaphthene	9.957	154	204192	20.813	ng	99
53) 3-Nitroaniline	9.875	138	52088	20.261	ng	98
54) 2,4-Dinitrophenol	9.981	184	21231	16.576	ng	97
55) Dibenzofuran	10.128	168	290254	20.736	ng	98
56) 4-Nitrophenol	10.028	139	35937	20.593	ng	98
57) 2,4-Dinitrotoluene	10.104	165	65367	20.887	ng	98
58) Fluorene	10.469	166	229569	20.780	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	55799	20.042	ng	96
60) Diethylphthalate	10.339	149	217133	20.020	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	110133	20.526	ng	98
62) 4-Nitroaniline	10.481	138	48947	21.208	ng	96
63) Azobenzene	10.622	77	192057	20.263	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	32946	19.130	ng	99
66) n-Nitrosodiphenylamine	10.581	169	196840	20.670	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	65137	20.068	ng	97
68) Hexachlorobenzene	11.022	284	71354	19.802	ng	98
69) Atrazine	11.104	200	49963	19.760	ng	99
70) Pentachlorophenol	11.216	266	33089	17.680	ng	97
71) Phenanthrene	11.434	178	309015	20.826	ng	100
72) Anthracene	11.486	178	318388	20.730	ng	100
73) Carbazole	11.639	167	276824	21.523	ng	99
74) Di-n-butylphthalate	11.969	149	289686	20.342	ng	100
75) Fluoranthene	12.628	202	302035	21.424	ng	99
77) Benzidine	12.745	184	130162	24.285	ng	99
78) Pyrene	12.857	202	297999	21.413	ng	100
80) Butylbenzylphthalate	13.469	149	81500	19.761	ng	99
81) Benzo(a)anthracene	14.045	228	206831	20.807	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	66675	20.714	ng	97
83) Chrysene	14.080	228	182829	19.756	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	116092	18.892	ng	99
85) Di-n-octyl phthalate	14.645	149	204632	17.475	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	233757	20.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	185574	21.056	ng	99
89) Benzo(k)fluoranthene	15.133	252	156588	18.201	ng	99
90) Benzo(a)pyrene	15.480	252	170053	20.162	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	195608	21.504	ng	98
92) Benzo(g,h,i)perylene	17.504	276	191567	21.109	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83734	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	263346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	142481	20.000	ng	0.00
86) Perylene-d12	15.545	264	170267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	384996	78.420	ng	0.00
7) Phenol-d6	6.510	99	448961	77.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	443431	77.580	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129669	73.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	926905	76.120	ng	0.00
79) Terphenyl-d14	12.998	244	756495	73.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	77194	39.596	ng	100
3) Pyridine	3.410	79	194866	39.924	ng	100
4) n-Nitrosodimethylamine	3.357	42	99851	39.943	ng	100
6) Aniline	6.545	93	304377	39.397	ng	100
8) 2-Chlorophenol	6.663	128	208444	38.992	ng	100
9) Benzaldehyde	6.434	77	126748	36.063	ng	100
10) Phenol	6.522	94	253916	39.504	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	179469	37.634	ng	100
12) 1,3-Dichlorobenzene	6.822	146	230658	37.892	ng	100
13) 1,4-Dichlorobenzene	6.898	146	235951	38.243	ng	100
14) 1,2-Dichlorobenzene	7.051	146	222976	37.805	ng	100
15) Benzyl Alcohol	7.022	79	163491	37.888	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	288515	38.400	ng	100
17) 2-Methylphenol	7.134	107	157159	38.454	ng	100
18) Hexachloroethane	7.392	117	83524	37.870	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	131792	36.251	ng	100
20) 3+4-Methylphenols	7.286	107	196876	38.274	ng	100
22) Acetophenone	7.292	105	262224	37.828	ng	100
24) Nitrobenzene	7.463	77	200051	39.383	ng	100
25) Isophorone	7.704	82	347894	36.294	ng	100
26) 2-Nitrophenol	7.781	139	111792	39.497	ng	100
27) 2,4-Dimethylphenol	7.816	122	187808	38.974	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	222264	37.249	ng	100
29) 2,4-Dichlorophenol	8.022	162	171329	38.576	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187194	38.155	ng	100
31) Naphthalene	8.186	128	584986	37.966	ng	100
32) Benzoic acid	7.922	122	98210	36.734	ng	100
33) 4-Chloroaniline	8.233	127	237317	38.432	ng	100
34) Hexachlorobutadiene	8.304	225	115333	37.099	ng	100
35) Caprolactam	8.604	113	44914	37.583	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	168353	36.695	ng	100
37) 2-Methylnaphthalene	8.880	142	362692	37.313	ng	100
38) 1-Methylnaphthalene	8.980	142	374836	37.143	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	180481	38.596	ng	100
41) Hexachlorocyclopentadiene	9.033	237	108999	36.863	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	118412	39.129	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

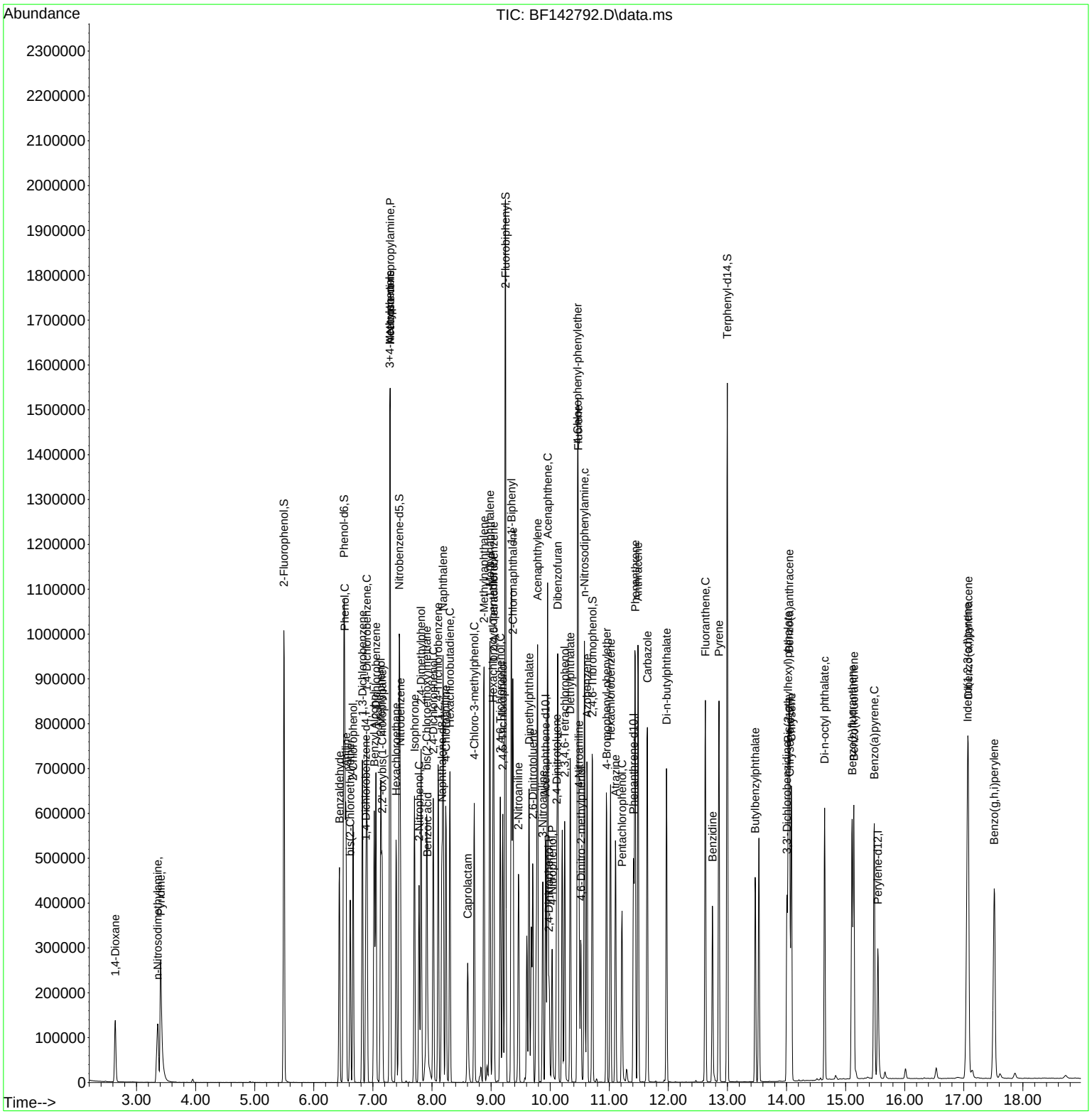
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	126712	38.774	ng	100
46) 1,1'-Biphenyl	9.345	154	487587	38.765	ng	100
47) 2-Chloronaphthalene	9.369	162	365760	39.408	ng	100
48) 2-Nitroaniline	9.463	65	105098	39.858	ng	100
49) Acenaphthylene	9.786	152	603057	38.649	ng	100
50) Dimethylphthalate	9.645	163	397980	37.038	ng	100
51) 2,6-Dinitrotoluene	9.704	165	89811	38.557	ng	100
52) Acenaphthene	9.957	154	369889	38.310	ng	100
53) 3-Nitroaniline	9.875	138	97950	38.714	ng	100
54) 2,4-Dinitrophenol	9.980	184	46000	36.494	ng	100
55) Dibenzofuran	10.127	168	526718	38.235	ng	100
56) 4-Nitrophenol	10.033	139	67375	39.230	ng	100
57) 2,4-Dinitrotoluene	10.110	165	119021	38.644	ng	100
58) Fluorene	10.475	166	408102	37.535	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	100957	36.847	ng	100
60) Diethylphthalate	10.339	149	392278	36.752	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	193928	36.726	ng	100
62) 4-Nitroaniline	10.486	138	88142	38.806	ng	100
63) Azobenzene	10.622	77	350110	37.534	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	62800	38.375	ng	100
66) n-Nitrosodiphenylamine	10.580	169	353033	39.014	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	114874	37.246	ng	100
68) Hexachlorobenzene	11.022	284	126882	37.057	ng	100
69) Atrazine	11.104	200	91444	38.060	ng	100
70) Pentachlorophenol	11.216	266	65999	37.113	ng	100
71) Phenanthrene	11.439	178	542935	38.508	ng	100
72) Anthracene	11.486	178	560180	38.384	ng	100
73) Carbazole	11.645	167	473801	38.769	ng	100
74) Di-n-butylphthalate	11.969	149	498285	36.824	ng	100
75) Fluoranthene	12.627	202	502656	37.522	ng	100
77) Benzidine	12.745	184	220379	43.691	ng	100
78) Pyrene	12.857	202	496538	37.911	ng	100
80) Butylbenzylphthalate	13.468	149	155920	40.172	ng	100
81) Benzo(a)anthracene	14.045	228	360377	38.522	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	122140	40.321	ng	100
83) Chrysene	14.080	228	331830	38.101	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	228949	39.589	ng	100
85) Di-n-octyl phthalate	14.645	149	416971	37.837	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	501803	39.863	ng	100
88) Benzo(b)fluoranthene	15.110	252	365164	36.825	ng	100
89) Benzo(k)fluoranthene	15.139	252	352993	36.466	ng	100
90) Benzo(a)pyrene	15.486	252	363990	38.357	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	401876	39.266	ng	100
92) Benzo(g,h,i)perylene	17.515	276	404711	39.635	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69874	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262911	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	139156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	229780	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117825	20.000	ng	0.00
86) Perylene-d12	15.545	264	139593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	441114	107.674	ng	0.00
7) Phenol-d6	6.510	99	516909	107.451	ng	0.00
23) Nitrobenzene-d5	7.451	82	506846	105.669	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	152358	100.743	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1043477	99.755	ng	0.00
79) Terphenyl-d14	12.998	244	904305	106.820	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	88835	54.606	ng	99
3) Pyridine	3.398	79	227576	55.874	ng	99
4) n-Nitrosodimethylamine	3.351	42	116636	55.913	ng	98
6) Aniline	6.545	93	346211	53.700	ng	99
8) 2-Chlorophenol	6.663	128	238691	53.507	ng	99
9) Benzaldehyde	6.434	77	145420	49.583	ng	99
10) Phenol	6.528	94	288461	53.781	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	206661	51.933	ng	100
12) 1,3-Dichlorobenzene	6.822	146	262098	51.598	ng	99
13) 1,4-Dichlorobenzene	6.898	146	266098	51.685	ng	99
14) 1,2-Dichlorobenzene	7.051	146	253411	51.487	ng	99
15) Benzyl Alcohol	7.022	79	193284	53.677	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	328251	52.354	ng	99
17) 2-Methylphenol	7.133	107	182167	53.415	ng	99
18) Hexachloroethane	7.392	117	94097	51.126	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	147905	48.753	ng	98
20) 3+4-Methylphenols	7.286	107	229169	53.390	ng	94
22) Acetophenone	7.292	105	303087	52.102	ng	98
24) Nitrobenzene	7.469	77	229219	53.773	ng	98
25) Isophorone	7.704	82	404886	50.334	ng	100
26) 2-Nitrophenol	7.781	139	127773	53.795	ng	99
27) 2,4-Dimethylphenol	7.816	122	216204	53.466	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	256119	51.148	ng	100
29) 2,4-Dichlorophenol	8.022	162	195589	52.478	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	213118	51.763	ng	100
31) Naphthalene	8.186	128	668713	51.717	ng	100
32) Benzoic acid	7.933	122	119196	53.128	ng	97
33) 4-Chloroaniline	8.239	127	276441	53.347	ng	99
34) Hexachlorobutadiene	8.304	225	131697	50.481	ng	99
35) Caprolactam	8.610	113	53024	52.873	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	195744	50.843	ng	99
37) 2-Methylnaphthalene	8.880	142	414854	50.859	ng	99
38) 1-Methylnaphthalene	8.980	142	430144	50.792	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	207997	51.779	ng	100
41) Hexachlorocyclopentadiene	9.033	237	127033	50.012	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	141932	54.597	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

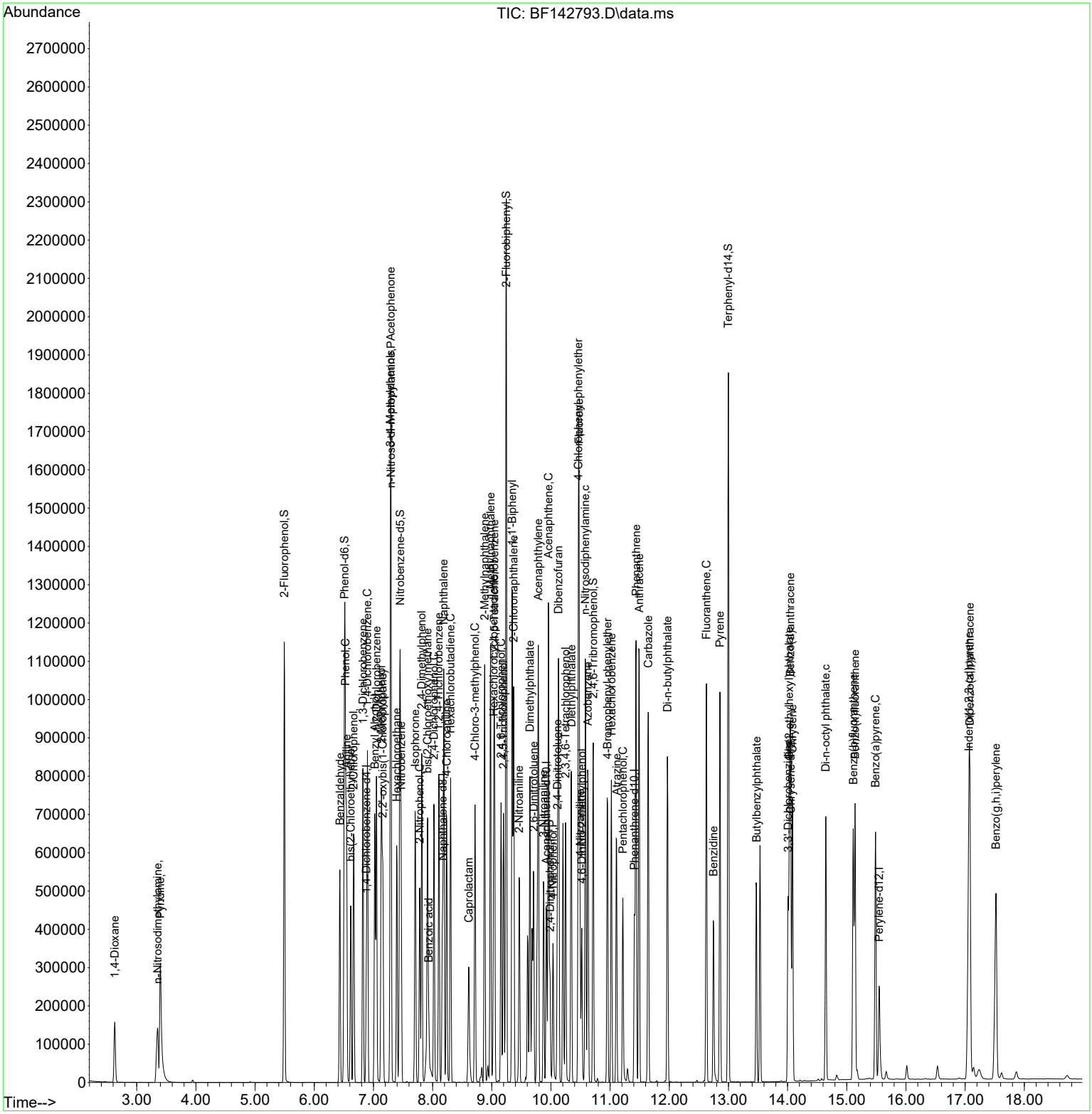
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	100
50) Dimethylphthalate	9.645	163	464372	50.308	ng	100
51) 2,6-Dinitrotoluene	9.710	165	102361	51.156	ng	98
52) Acenaphthene	9.957	154	427135	51.498	ng	100
53) 3-Nitroaniline	9.874	138	117448	54.038	ng	98
54) 2,4-Dinitrophenol	9.986	184	60308	55.696	ng	92
55) Dibenzofuran	10.127	168	609507	51.506	ng	100
56) 4-Nitrophenol	10.033	139	82688	56.047	ng	98
57) 2,4-Dinitrotoluene	10.110	165	141691	53.554	ng	98
58) Fluorene	10.474	166	473968	50.747	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120008	50.988	ng	97
60) Diethylphthalate	10.345	149	458546	50.010	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	222613	49.076	ng	98
62) 4-Nitroaniline	10.492	138	109973	56.363	ng	97
63) Azobenzene	10.622	77	409164	51.063	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	76696	53.713	ng	97
66) n-Nitrosodiphenylamine	10.580	169	411917	52.171	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	135699	50.425	ng	98
68) Hexachlorobenzene	11.021	284	150669	50.432	ng	99
69) Atrazine	11.110	200	111915	53.385	ng	99
70) Pentachlorophenol	11.216	266	81577	52.574	ng	98
71) Phenanthrene	11.439	178	644668	52.403	ng	99
72) Anthracene	11.492	178	654942	51.433	ng	99
73) Carbazole	11.645	167	575784	53.996	ng	100
74) Di-n-butylphthalate	11.968	149	616452	52.211	ng	100
75) Fluoranthene	12.627	202	608190	52.032	ng	100
77) Benzidine	12.745	184	242794	58.208	ng	100
78) Pyrene	12.857	202	597913	55.205	ng	99
80) Butylbenzylphthalate	13.474	149	180565	56.257	ng	97
81) Benzo(a)anthracene	14.045	228	413349	53.431	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	140152	55.949	ng	99
83) Chrysene	14.080	228	381352	52.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	253542	53.016	ng	100
85) Di-n-octyl phthalate	14.645	149	474143	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	575271	55.741	ng	100
88) Benzo(b)fluoranthene	15.109	252	401915	49.437	ng	100
89) Benzo(k)fluoranthene	15.139	252	416169	52.440	ng	100
90) Benzo(a)pyrene	15.486	252	419030	53.860	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	466485	55.594	ng	99
92) Benzo(g,h,i)perylene	17.521	276	464951	55.540	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

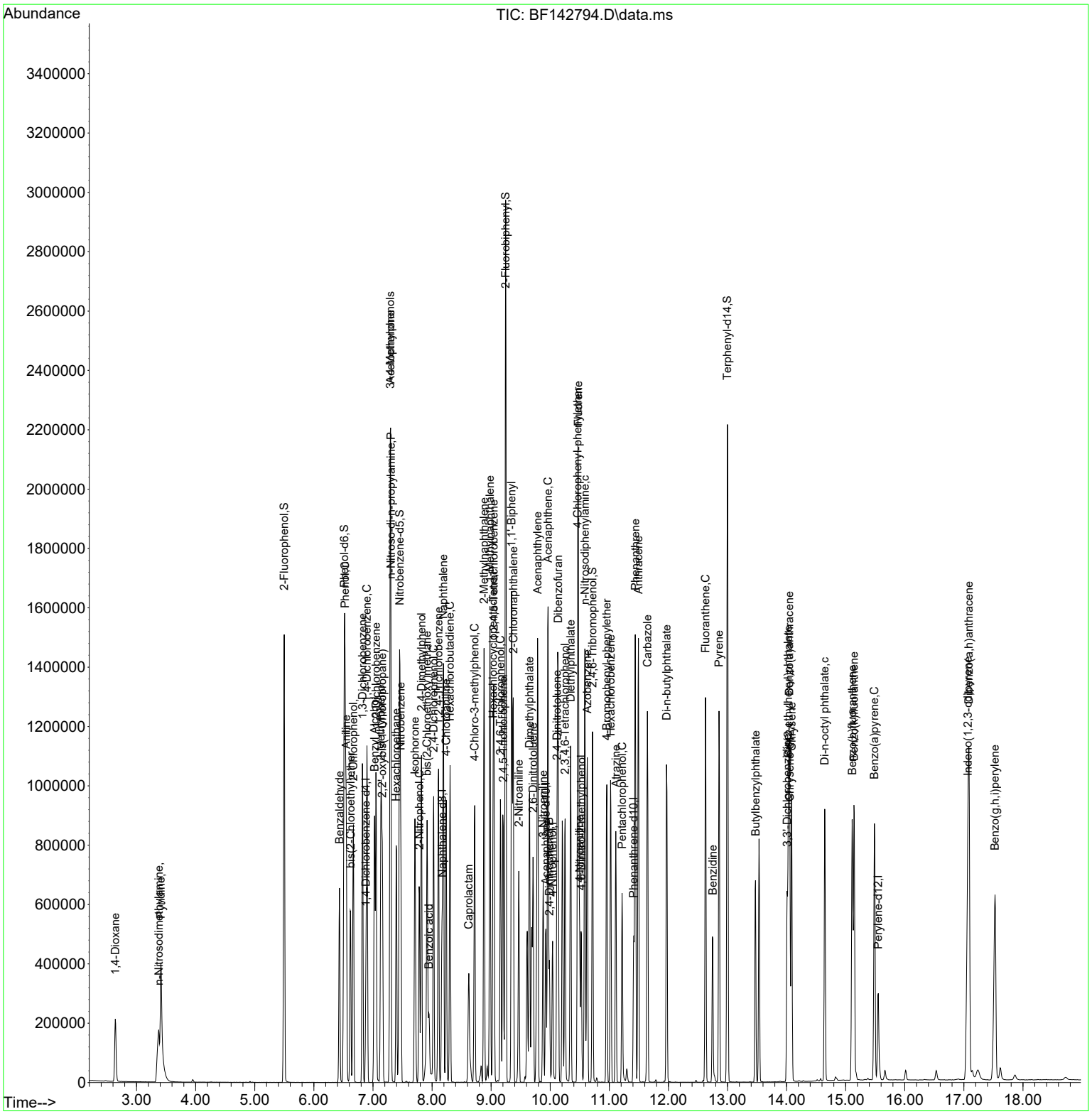
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	77938	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	285299	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	140262	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	213216	20.000	ng		0.00
76) Chrysene-d12	14.063	240	127713	20.000	ng		0.00
86) Perylene-d12	15.551	264	175125	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	703164	153.880	ng		0.00
7) Phenol-d6	6.516	99	813626	151.631	ng		0.00
23) Nitrobenzene-d5	7.457	82	792380	152.234	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	210092	137.823	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1515847	143.770	ng		0.00
79) Terphenyl-d14	12.998	244	1127781	122.904	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	145434	80.147	ng		99
3) Pyridine	3.410	79	368129	81.031	ng		99
4) n-Nitrosodimethylamine	3.375	42	191412	82.265	ng		98
6) Aniline	6.545	93	544167	75.672	ng	#	83
8) 2-Chlorophenol	6.669	128	383707	77.116	ng		99
10) Phenol	6.534	94	448139	74.906	ng		84
11) bis(2-Chloroethyl)ether	6.622	93	335736	75.639	ng		98
12) 1,3-Dichlorobenzene	6.822	146	420352	74.190	ng		99
13) 1,4-Dichlorobenzene	6.898	146	419873	73.115	ng		99
14) 1,2-Dichlorobenzene	7.051	146	400191	72.897	ng		98
15) Benzyl Alcohol	7.028	79	307100	76.460	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	512514	73.285	ng		94
17) 2-Methylphenol	7.140	107	289573	76.123	ng		98
18) Hexachloroethane	7.392	117	150991	73.550	ng		99
19) n-Nitroso-di-n-propyla...	7.304	70	238778	70.563	ng		98
20) 3+4-Methylphenols	7.292	107	345456	72.154	ng		96
22) Acetophenone	7.298	105	463019	73.349	ng	#	98
24) Nitrobenzene	7.475	77	358834	77.574	ng		98
25) Isophorone	7.716	82	632390	72.447	ng		99
26) 2-Nitrophenol	7.787	139	201064	78.009	ng		99
27) 2,4-Dimethylphenol	7.822	122	335771	76.518	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	400973	73.793	ng		100
29) 2,4-Dichlorophenol	8.028	162	306123	75.689	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	332721	74.472	ng		100
31) Naphthalene	8.192	128	1029082	73.342	ng		100
32) Benzoic acid	7.957	122	192536	79.082	ng		96
33) 4-Chloroaniline	8.239	127	413911	73.608	ng		100
34) Hexachlorobutadiene	8.304	225	204081	72.088	ng		99
35) Caprolactam	8.628	113	78302	71.952	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	296520	70.974	ng		98
37) 2-Methylnaphthalene	8.881	142	627195	70.857	ng		100
38) 1-Methylnaphthalene	8.981	142	642853	69.952	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	315930	78.028	ng		99
41) Hexachlorocyclopentadiene	9.034	237	218091	85.183	ng		98
43) 2,4,6-Trichlorophenol	9.163	196	207984	79.375	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	217860	76.993	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	822529	75.525	ng	99
47) 2-Chloronaphthalene	9.375	162	620399	77.199	ng	99
48) 2-Nitroaniline	9.469	65	179718	78.716	ng	97
49) Acenaphthylene	9.786	152	1002569	74.207	ng	100
50) Dimethylphthalate	9.651	163	665322	71.510	ng	100
51) 2,6-Dinitrotoluene	9.710	165	150567	74.654	ng	99
52) Acenaphthene	9.963	154	621336	74.322	ng	100
53) 3-Nitroaniline	9.881	138	164090	74.903	ng	99
54) 2,4-Dinitrophenol	9.986	184	85185	78.050	ng	97
55) Dibenzofuran	10.133	168	862110	72.277	ng	99
56) 4-Nitrophenol	10.039	139	114163	76.771	ng	98
57) 2,4-Dinitrotoluene	10.116	165	189684	71.128	ng	95
58) Fluorene	10.475	166	663463	70.475	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170453	71.850	ng	97
60) Diethylphthalate	10.345	149	640148	69.265	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	318782	69.722	ng	98
62) 4-Nitroaniline	10.498	138	147879	75.193	ng	98
63) Azobenzene	10.628	77	578765	71.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	106528	80.401	ng	98
66) n-Nitrosodiphenylamine	10.586	169	564677	77.075	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	191698	76.768	ng	97
68) Hexachlorobenzene	11.022	284	210925	76.086	ng	98
69) Atrazine	11.110	200	148117	76.143	ng	100
70) Pentachlorophenol	11.216	266	113104	78.555	ng	99
71) Phenanthrene	11.439	178	845899	74.102	ng	99
72) Anthracene	11.492	178	862662	73.008	ng	99
73) Carbazole	11.645	167	738174	74.602	ng	100
74) Di-n-butylphthalate	11.969	149	798500	72.884	ng	100
75) Fluoranthene	12.627	202	766933	70.711	ng	99
77) Benzidine	12.751	184	299985	66.350	ng	100
78) Pyrene	12.857	202	750100	63.894	ng	98
80) Butylbenzylphthalate	13.474	149	287568	82.658	ng	97
81) Benzo(a)anthracene	14.051	228	655753	78.202	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	223571	82.340	ng	100
83) Chrysene	14.086	228	587658	75.278	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	448387	86.499	ng	99
85) Di-n-octyl phthalate	14.651	149	843227	85.366	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1010374	78.036	ng	99
88) Benzo(b)fluoranthene	15.115	252	749341	73.471	ng	100
89) Benzo(k)fluoranthene	15.145	252	747789	75.108	ng	99
90) Benzo(a)pyrene	15.492	252	759483	77.813	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	806991	76.662	ng	99
92) Benzo(g,h,i)perylene	17.539	276	813177	77.429	ng	99

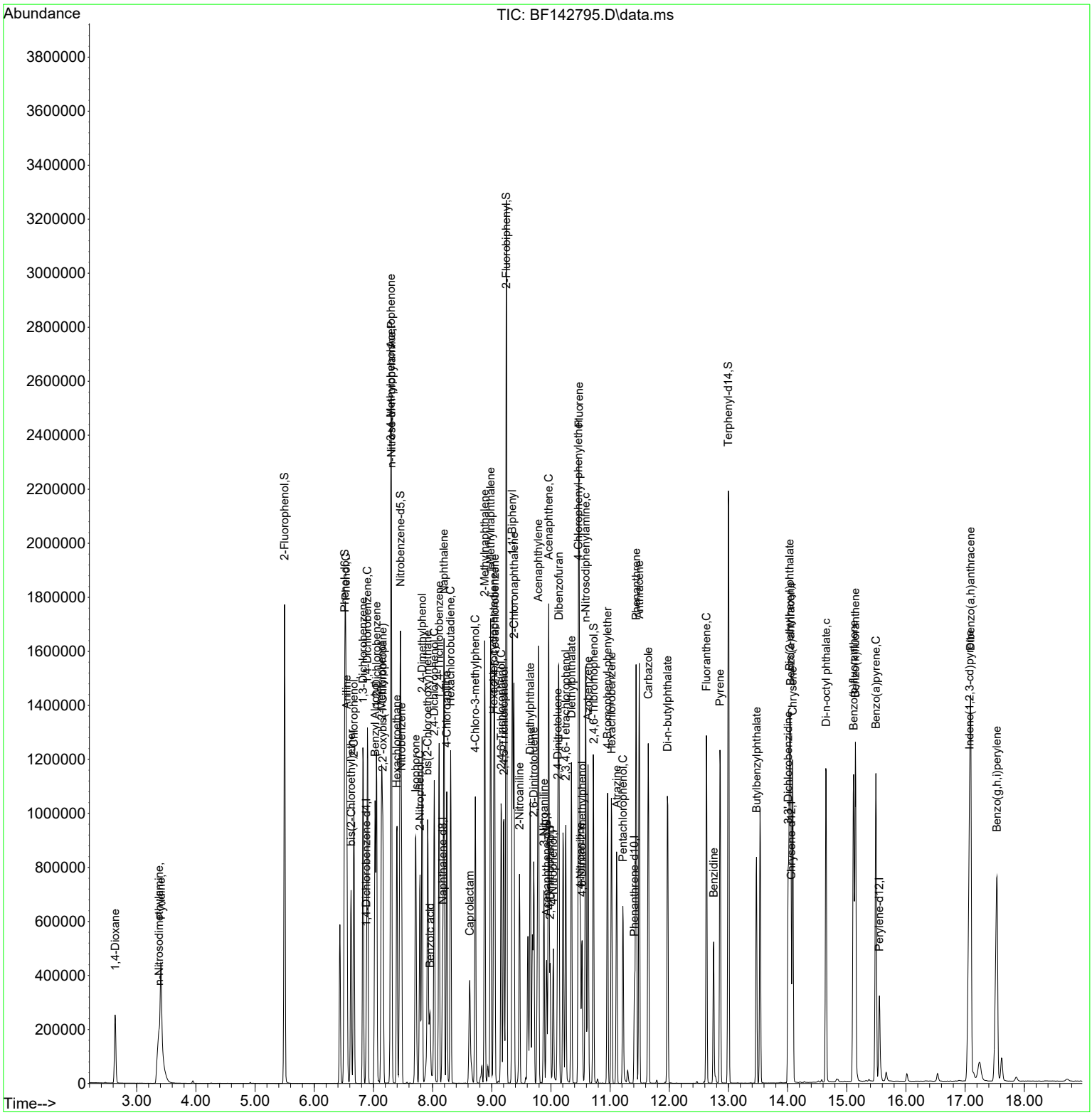
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	100
50) Dimethylphthalate	9.645	163	381573	41.232	ng	100
51) 2,6-Dinitrotoluene	9.704	165	84111	41.386	ng	99
52) Acenaphthene	9.957	154	356031	41.825	ng	100
53) 3-Nitroaniline	9.875	138	92889	41.512	ng	99
54) 2,4-Dinitrophenol	9.981	184	44513	43.742	ng	99
55) Dibenzofuran	10.128	168	502290	41.150	ng	100
56) 4-Nitrophenol	10.033	139	62127	40.556	ng	97
57) 2,4-Dinitrotoluene	10.110	165	111649	41.358	ng	100
58) Fluorene	10.475	166	391356	41.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97630	41.857	ng	97
60) Diethylphthalate	10.339	149	371453	40.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	185884	40.862	ng	99
62) 4-Nitroaniline	10.486	138	83143	40.628	ng	99
63) Azobenzene	10.622	77	332701	41.025	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59797	43.341	ng	94
66) n-Nitrosodiphenylamine	10.580	169	331671	41.955	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112604	43.376	ng	96
68) Hexachlorobenzene	11.022	284	122976	42.632	ng	98
69) Atrazine	11.104	200	87455	42.840	ng	99
70) Pentachlorophenol	11.216	266	62292	43.337	ng	99
71) Phenanthrene	11.433	178	514049	41.603	ng	99
72) Anthracene	11.486	178	532397	42.013	ng	99
73) Carbazole	11.645	167	446814	40.858	ng	100
74) Di-n-butylphthalate	11.969	149	481078	42.228	ng	100
75) Fluoranthene	12.627	202	473431	40.372	ng	100
77) Benzidine	12.745	184	218884	47.530	ng	99
78) Pyrene	12.857	202	468692	40.794	ng	100
80) Butylbenzylphthalate	13.469	149	154743	46.431	ng	99
81) Benzo(a)anthracene	14.045	228	346202	41.868	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	124771	46.521	ng	99
83) Chrysene	14.080	228	321976	43.637	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	230046	47.976	ng	99
85) Di-n-octyl phthalate	14.645	149	425193	47.026	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	491326	42.060	ng	100
88) Benzo(b)fluoranthene	15.110	252	362077	40.801	ng	100
89) Benzo(k)fluoranthene	15.139	252	347044	41.800	ng	100
90) Benzo(a)pyrene	15.486	252	361077	42.117	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	399293	42.069	ng	99
92) Benzo(g,h,i)perylene	17.515	276	397566	42.006	ng	100

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

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Data File : BF142796.D
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ALS Vial : 10 Sample Multiplier: 1

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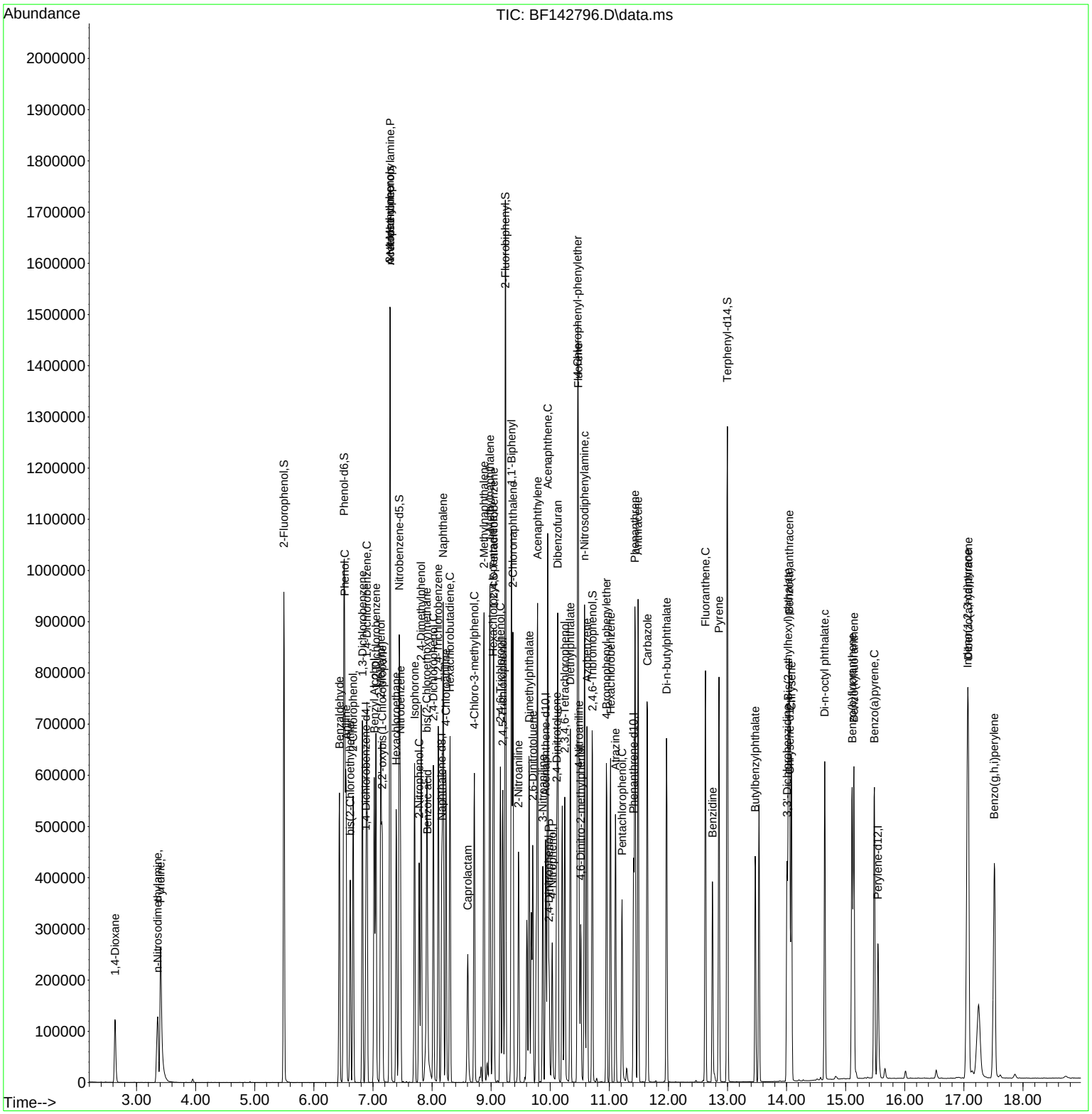

Evaluate Continuing Calibration Report

ICAL Form

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QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2		1,4-Dioxane	0.480	0.473	1.5	91	0.00
3		Pyridine	1.205	1.248	-3.6	95	0.00
4		n-Nitrosodimethylamine	0.623	0.653	-4.8	97	0.00
5	S	2-Fluorophenol	1.201	1.219	-1.5	94	0.00
6		Aniline	1.886	1.999	-6.0	97	0.00
7	S	Phenol-d6	1.417	1.422	-0.4	94	0.00
8		2-Chlorophenol	1.296	1.362	-5.1	97	0.00
9		Benzaldehyde	0.841	0.999	-18.8	117	0.00
10	C	Phenol	1.575	1.650	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	1.126	1.187	-5.4	98	0.00
12		1,3-Dichlorobenzene	1.449	1.542	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	1.462	1.545	-5.7	97	0.00
14		1,2-Dichlorobenzene	1.387	1.474	-6.3	98	0.00
15		Benzyl Alcohol	1.025	1.079	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.917	-6.0	99	0.00
17		2-Methylphenol	0.982	1.043	-6.2	98	0.00
18		Hexachloroethane	0.511	0.545	-6.7	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.858	-4.1	97	0.00
20		3+4-Methylphenols	1.224	1.313	-7.3	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.441	0.468	-6.1	100	0.00
23	S	Nitrobenzene-d5	0.365	0.334	8.5	84	0.00
24		Nitrobenzene	0.330	0.346	-4.8	97	0.00
25		Isophorone	0.585	0.605	-3.4	97	0.00
26	C	2-Nitrophenol	0.180	0.194	-7.8	97	0.00
27		2,4-Dimethylphenol	0.311	0.328	-5.5	98	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.390	-4.8	98	0.00
29	C	2,4-Dichlorophenol	0.282	0.298	-5.7	97	0.00
30		1,2,4-Trichlorobenzene	0.310	0.327	-5.5	98	0.00
31		Naphthalene	0.979	1.033	-5.5	99	0.00
32		Benzoic acid	0.159	0.181	-13.8	103	0.00
33		4-Chloroaniline	0.398	0.416	-4.5	98	0.00
34	C	Hexachlorobutadiene	0.190	0.203	-6.8	98	0.00
35		Caprolactam	0.075	0.076	-1.3	95	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.294	-4.6	97	0.00
37		2-Methylnaphthalene	0.607	0.633	-4.3	97	0.00
38		1-Methylnaphthalene	0.628	0.653	-4.0	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.638	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.380	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	0.206	0.206	0.0	91	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.409	-6.2	99	0.00
44		2,4,5-Trichlorophenol	0.405	0.436	-7.7	98	0.00
45	S	2-Fluorobiphenyl	1.522	1.373	9.8	85	0.00
46		1,1'-Biphenyl	1.580	1.665	-5.4	98	0.00
47		2-Chloronaphthalene	1.186	1.239	-4.5	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.332	0.347	-4.5	94	0.00
49		Acenaphthylene	1.952	2.029	-3.9	96	0.00
50		Dimethylphthalate	1.295	1.334	-3.0	96	0.00
51		2,6-Dinitrotoluene	0.284	0.294	-3.5	94	0.00
52	C	Acenaphthene	1.191	1.245	-4.5	96	0.00
53		3-Nitroaniline	0.313	0.325	-3.8	95	0.00
54	P	2,4-Dinitrophenol	0.142	0.156	-9.9	97	0.00
55		Dibenzofuran	1.708	1.757	-2.9	95	0.00
56	P	4-Nitrophenol	0.214	0.217	-1.4	92	0.00
57		2,4-Dinitrotoluene	0.378	0.390	-3.2	94	0.00
58		Fluorene	1.334	1.369	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.341	-4.6	97	0.00
60		Diethylphthalate	1.269	1.299	-2.4	95	0.00
61		4-Chlorophenyl-phenylether	0.636	0.650	-2.2	96	0.00
62		4-Nitroaniline	0.286	0.291	-1.7	94	0.00
63		Azobenzene	1.134	1.164	-2.6	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	95	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.727	-4.9	94	0.00
67		4-Bromophenyl-phenylether	0.228	0.247	-8.3	98	0.00
68		Hexachlorobenzene	0.253	0.270	-6.7	97	0.00
69		Atrazine	0.179	0.192	-7.3	96	0.00
70	C	Pentachlorophenol	0.126	0.137	-8.7	94	0.00
71		Phenanthrene	1.083	1.127	-4.1	95	0.00
72		Anthracene	1.111	1.167	-5.0	95	0.00
73		Carbazole	0.959	0.979	-2.1	94	0.00
74		Di-n-butylphthalate	0.999	1.055	-5.6	97	0.00
75	C	Fluoranthene	1.028	1.038	-1.0	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.751	0.893	-18.9	99	0.00
78		Pyrene	1.875	1.912	-2.0	94	0.00
79	S	Terphenyl-d14	1.447	1.282	11.4	83	0.00
80		Butylbenzylphthalate	0.544	0.631	-16.0	99	0.00
81		Benzo(a)anthracene	1.349	1.412	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	0.438	0.509	-16.2	102	0.00
83		Chrysene	1.204	1.313	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.938	-19.9	100	0.00
85	c	Di-n-octyl phthalate	1.475	1.734	-17.6	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.602	-5.2	98	0.00
88		Benzo(b)fluoranthene	1.157	1.180	-2.0	99	0.00
89		Benzo(k)fluoranthene	1.083	1.131	-4.4	98	0.00
90	C	Benzo(a)pyrene	1.118	1.177	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	1.238	1.302	-5.2	99	0.00
92		Benzo(g,h,i)perylene	1.234	1.296	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2		1,4-Dioxane	40.000	39.357	1.6	91	0.00
3		Pyridine	40.000	41.446	-3.6	95	0.00
4		n-Nitrosodimethylamine	40.000	41.912	-4.8	97	0.00
5	S	2-Fluorophenol	80.000	81.192	-1.5	94	0.00
6		Aniline	40.000	42.392	-6.0	97	0.00
7	S	Phenol-d6	80.000	80.262	-0.3	94	0.00
8		2-Chlorophenol	40.000	42.036	-5.1	97	0.00
9		Benzaldehyde	40.000	47.511	-18.8	117	0.00
10	C	Phenol	40.000	41.901	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	40.000	42.157	-5.4	98	0.00
12		1,3-Dichlorobenzene	40.000	42.568	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	40.000	42.268	-5.7	97	0.00
14		1,2-Dichlorobenzene	40.000	42.520	-6.3	98	0.00
15		Benzyl Alcohol	40.000	42.114	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.379	-5.9	99	0.00
17		2-Methylphenol	40.000	42.485	-6.2	98	0.00
18		Hexachloroethane	40.000	42.589	-6.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.640	-4.1	97	0.00
20		3+4-Methylphenols	40.000	42.904	-7.3	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	42.478	-6.2	100	0.00
23	S	Nitrobenzene-d5	80.000	73.334	8.3	84	0.00
24		Nitrobenzene	40.000	41.968	-4.9	97	0.00
25		Isophorone	40.000	41.403	-3.5	97	0.00
26	C	2-Nitrophenol	40.000	43.224	-8.1	97	0.00
27		2,4-Dimethylphenol	40.000	42.168	-5.4	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.960	-4.9	98	0.00
29	C	2,4-Dichlorophenol	40.000	42.196	-5.5	97	0.00
30		1,2,4-Trichlorobenzene	40.000	42.177	-5.4	98	0.00
31		Naphthalene	40.000	42.218	-5.5	99	0.00
32		Benzoic acid	40.000	45.685	-14.2	103	0.00
33		4-Chloroaniline	40.000	41.766	-4.4	98	0.00
34	C	Hexachlorobutadiene	40.000	42.657	-6.6	98	0.00
35		Caprolactam	40.000	40.928	-2.3	95	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.890	-4.7	97	0.00
37		2-Methylnaphthalene	40.000	41.730	-4.3	97	0.00
38		1-Methylnaphthalene	40.000	41.554	-3.9	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.233	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.361	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	80.000	80.065	-0.1	91	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.543	-6.4	99	0.00
44		2,4,5-Trichlorophenol	40.000	43.045	-7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.171	9.8	85	0.00
46		1,1'-Biphenyl	40.000	42.159	-5.4	98	0.00
47		2-Chloronaphthalene	40.000	41.817	-4.5	97	0.00

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Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.724	-4.3	94	0.00
49		Acenaphthylene	40.000	41.586	-4.0	96	0.00
50		Dimethylphthalate	40.000	41.232	-3.1	96	0.00
51		2,6-Dinitrotoluene	40.000	41.386	-3.5	94	0.00
52	C	Acenaphthene	40.000	41.825	-4.6	96	0.00
53		3-Nitroaniline	40.000	41.512	-3.8	95	0.00
54	P	2,4-Dinitrophenol	40.000	43.742	-9.4	97	0.00
55		Dibenzofuran	40.000	41.150	-2.9	95	0.00
56	P	4-Nitrophenol	40.000	40.556	-1.4	92	0.00
57		2,4-Dinitrotoluene	40.000	41.358	-3.4	94	0.00
58		Fluorene	40.000	41.052	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.857	-4.6	97	0.00
60		Diethylphthalate	40.000	40.937	-2.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	40.862	-2.2	96	0.00
62		4-Nitroaniline	40.000	40.628	-1.6	94	0.00
63		Azobenzene	40.000	41.025	-2.6	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.341	-8.4	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.955	-4.9	94	0.00
67		4-Bromophenyl-phenylether	40.000	43.376	-8.4	98	0.00
68		Hexachlorobenzene	40.000	42.632	-6.6	97	0.00
69		Atrazine	40.000	42.840	-7.1	96	0.00
70	C	Pentachlorophenol	40.000	43.337	-8.3	94	0.00
71		Phenanthrene	40.000	41.603	-4.0	95	0.00
72		Anthracene	40.000	42.013	-5.0	95	0.00
73		Carbazole	40.000	40.858	-2.1	94	0.00
74		Di-n-butylphthalate	40.000	42.228	-5.6	97	0.00
75	C	Fluoranthene	40.000	40.372	-0.9	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	47.530	-18.8	99	0.00
78		Pyrene	40.000	40.794	-2.0	94	0.00
79	S	Terphenyl-d14	80.000	70.839	11.5	83	0.00
80		Butylbenzylphthalate	40.000	46.431	-16.1	99	0.00
81		Benzo(a)anthracene	40.000	41.868	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	40.000	46.521	-16.3	102	0.00
83		Chrysene	40.000	43.637	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.976	-19.9	100	0.00
85	c	Di-n-octyl phthalate	40.000	47.026	-17.6	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.060	-5.2	98	0.00
88		Benzo(b)fluoranthene	40.000	40.801	-2.0	99	0.00
89		Benzo(k)fluoranthene	40.000	41.800	-4.5	98	0.00
90	C	Benzo(a)pyrene	40.000	42.117	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	40.000	42.069	-5.2	99	0.00
92		Benzo(g,h,i)perylene	40.000	42.006	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

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

(#) = 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: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.205	1.244		3.2	
2-Fluorophenol	1.201	1.310		9.1	
Phenol-d6	1.417	1.498		5.7	
1,4-Dichlorobenzene	1.462	1.532		4.8	20.0
2-Methylphenol	0.982	0.980		-0.2	
3+4-Methylphenols	1.224	1.248		2.0	
Nitrobenzene-d5	0.365	0.429		17.5	
Hexachloroethane	0.511	0.536		4.9	
Nitrobenzene	0.330	0.360		9.1	
Hexachlorobutadiene	0.190	0.213		12.1	20.0
2,4,6-Trichlorophenol	0.385	0.433		12.5	20.0
2-Fluorobiphenyl	1.522	1.796		18.0	
2,4,5-Trichlorophenol	0.405	0.455		12.3	
2,4-Dinitrotoluene	0.378	0.393		4.0	
2,4,6-Tribromophenol	0.206	0.217		5.3	
Hexachlorobenzene	0.253	0.277		9.5	
Pentachlorophenol	0.126	0.150		19.0	20.0
Terphenyl-d14	1.447	1.279		-11.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62666	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	217016	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	105351	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	165051	20.000	ng	0.00
76) Chrysene-d12	14.057	240	130450	20.000	ng	0.00
86) Perylene-d12	15.551	264	161869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	328466	87.268	ng	0.00
7) Phenol-d6	6.510	99	375586	84.579	ng	0.00
23) Nitrobenzene-d5	7.445	82	372510	94.152	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91255	84.173	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	757016	94.396	ng	0.00
79) Terphenyl-d14	12.998	244	667218	70.670	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	62751	41.682	ng	99
3) Pyridine	3.393	79	155870	41.299	ng	98
4) n-Nitrosodimethylamine	3.334	42	81166	41.588	ng	99
6) Aniline	6.539	93	182298	30.853	ng	96
8) 2-Chlorophenol	6.663	128	172698	42.535	ng	99
9) Benzaldehyde	6.428	77	200638	76.157	ng	97
10) Phenol	6.522	94	201697	40.861	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	148747	42.163	ng	97
12) 1,3-Dichlorobenzene	6.822	146	192285	42.346	ng	99
13) 1,4-Dichlorobenzene	6.898	146	191969	41.902	ng	98
14) 1,2-Dichlorobenzene	7.051	146	179627	41.338	ng	99
15) Benzyl Alcohol	7.022	79	133269	41.513	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	228661	40.342	ng	98
17) 2-Methylphenol	7.128	107	122767	39.900	ng	99
18) Hexachloroethane	7.392	117	67123	41.888	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	101541	39.316	ng	99
20) 3+4-Methylphenols	7.286	107	156461	40.784	ng	91
22) Acetophenone	7.286	105	210366	43.958	ng	99
24) Nitrobenzene	7.463	77	156272	43.639	ng	98
25) Isophorone	7.698	82	244787	38.568	ng	100
26) 2-Nitrophenol	7.781	139	88606	45.422	ng	97
27) 2,4-Dimethylphenol	7.816	122	110534m	32.712	ng	
28) bis(2-Chloroethoxy)met...	7.910	93	171235	42.437	ng	99
29) 2,4-Dichlorophenol	8.022	162	136247	44.470	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	149500	44.376	ng	98
31) Naphthalene	8.186	128	478483	45.044	ng	100
32) Benzoic acid	7.916	122	84983	49.345	ng	95
33) 4-Chloroaniline	8.233	127	157517	36.468	ng	99
34) Hexachlorobutadiene	8.298	225	92637	44.953	ng	98
35) Caprolactam	8.598	113	33107	40.950	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	128828	42.309	ng	99
37) 2-Methylnaphthalene	8.875	142	306467	46.536	ng	100
38) 1-Methylnaphthalene	8.975	142	300675	44.105	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	147474	47.441	ng	99
41) Hexachlorocyclopentadiene	9.028	237	84143	47.699	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	91136	44.992	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

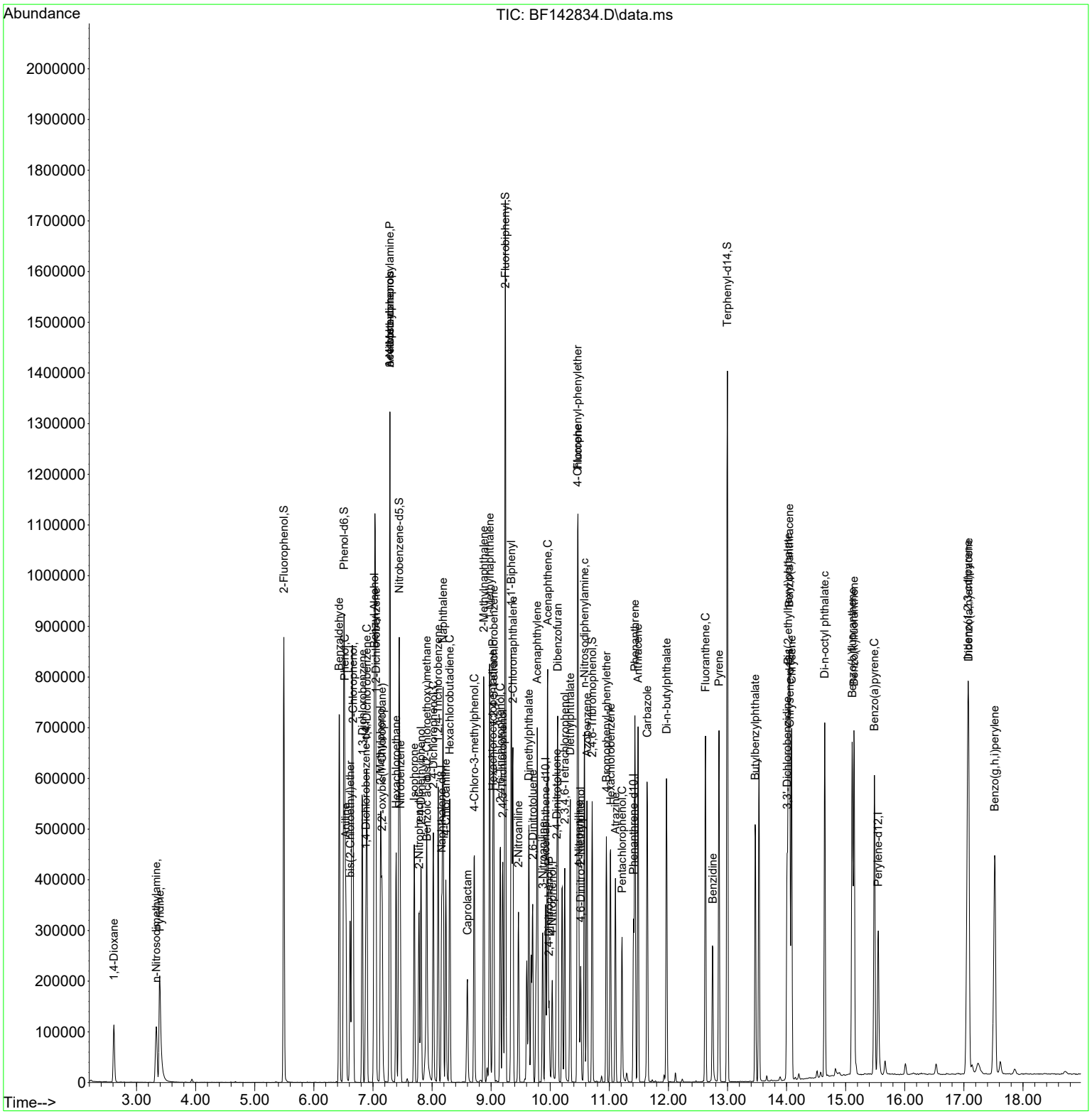
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	95905	44.977	ng	99
46) 1,1'-Biphenyl	9.339	154	376150	45.199	ng	100
47) 2-Chloronaphthalene	9.369	162	276163	44.220	ng	99
48) 2-Nitroaniline	9.463	65	73622	42.049	ng	97
49) Acenaphthylene	9.780	152	424345	41.275	ng	99
50) Dimethylphthalate	9.639	163	295308	43.304	ng	100
51) 2,6-Dinitrotoluene	9.704	165	65017	43.414	ng	96
52) Acenaphthene	9.957	154	281768	44.920	ng	98
53) 3-Nitroaniline	9.875	138	67550	40.967	ng	98
54) 2,4-Dinitrophenol	9.980	184	33619	44.832	ng	95
55) Dibenzofuran	10.127	168	402477	44.746	ng	99
56) 4-Nitrophenol	10.033	139	47821	42.364	ng	99
57) 2,4-Dinitrotoluene	10.110	165	82849	41.648	ng	99
58) Fluorene	10.469	166	302042	42.997	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	76414	44.458	ng	96
60) Diethylphthalate	10.339	149	298902	44.703	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	145019	43.262	ng	99
62) 4-Nitroaniline	10.486	138	64702	42.905	ng	97
63) Azobenzene	10.622	77	259329	43.395	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	44027	44.100	ng	97
66) n-Nitrosodiphenylamine	10.580	169	250374	43.770	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	85430	45.479	ng	97
68) Hexachlorobenzene	11.022	284	91443	43.810	ng	98
69) Atrazine	11.104	200	66356	44.922	ng	99
70) Pentachlorophenol	11.216	266	49461	47.555	ng	98
71) Phenanthrene	11.433	178	392851	43.939	ng	100
72) Anthracene	11.486	178	386458	42.146	ng	100
73) Carbazole	11.639	167	353066	44.618	ng	100
74) Di-n-butylphthalate	11.969	149	430341	52.204	ng	100
75) Fluoranthene	12.627	202	404373	47.656	ng	99
77) Benzidine	12.751	184	165421	33.751	ng	99
78) Pyrene	12.857	202	406353	33.232	ng	99
80) Butylbenzylphthalate	13.468	149	174834	49.292	ng	100
81) Benzo(a)anthracene	14.045	228	389721	44.285	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	123008	43.094	ng	99
83) Chrysene	14.086	228	339500	43.234	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	265043	51.937	ng	99
85) Di-n-octyl phthalate	14.645	149	476363	49.504	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	496379	40.260	ng	99
88) Benzo(b)fluoranthene	15.109	252	442080	47.198	ng	100
89) Benzo(k)fluoranthene	15.139	252	366193	41.788	ng	99
90) Benzo(a)pyrene	15.486	252	370504	40.946	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	402958	40.224	ng	98
92) Benzo(g,h,i)perylene	17.521	276	412382	41.282	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	75	0.00
2		1,4-Dioxane	0.480	0.501	-4.4	81	-0.02
3		Pyridine	1.205	1.244	-3.2	80	-0.02
4		n-Nitrosodimethylamine	0.623	0.648	-4.0	81	-0.02
5	S	2-Fluorophenol	1.201	1.310	-9.1	85	0.00
6		Aniline	1.886	1.455	22.9	60	0.00
7	S	Phenol-d6	1.417	1.498	-5.7	84	0.00
8		2-Chlorophenol	1.296	1.378	-6.3	83	0.00
9		Benzaldehyde	0.841	1.601	-90.4#	158#	0.00
10	C	Phenol	1.575	1.609	-2.2	79	0.00
11		bis(2-Chloroethyl)ether	1.126	1.187	-5.4	83	0.00
12		1,3-Dichlorobenzene	1.449	1.534	-5.9	83	0.00
13	C	1,4-Dichlorobenzene	1.462	1.532	-4.8	81	0.00
14		1,2-Dichlorobenzene	1.387	1.433	-3.3	81	0.00
15		Benzyl Alcohol	1.025	1.063	-3.7	82	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.824	-0.8	79	0.00
17		2-Methylphenol	0.982	0.980	0.2	78	0.00
18		Hexachloroethane	0.511	0.536	-4.9	80	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.810	1.7	77	0.00
20		3+4-Methylphenols	1.224	1.248	-2.0	79	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	69	0.00
22		Acetophenone	0.441	0.485	-10.0	80	0.00
23	S	Nitrobenzene-d5	0.365	0.429	-17.5	84	0.00
24		Nitrobenzene	0.330	0.360	-9.1	78	0.00
25		Isophorone	0.585	0.564	3.6	70	0.00
26	C	2-Nitrophenol	0.180	0.204	-13.3	79	0.00
27		2,4-Dimethylphenol	0.311	0.255	18.0	59	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.395	-6.2	77	0.00
29	C	2,4-Dichlorophenol	0.282	0.314	-11.3	80	0.00
30		1,2,4-Trichlorobenzene	0.310	0.344	-11.0	80	0.00
31		Naphthalene	0.979	1.102	-12.6	82	0.00
32		Benzoic acid	0.159	0.196	-23.3	87	0.00
33		4-Chloroaniline	0.398	0.363	8.8	66	0.00
34	C	Hexachlorobutadiene	0.190	0.213	-12.1	80	0.00
35		Caprolactam	0.075	0.076	-1.3	74	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.297	-5.7	77	0.00
37		2-Methylnaphthalene	0.607	0.706	-16.3	84	0.00
38		1-Methylnaphthalene	0.628	0.693	-10.4	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.700	-18.6	82	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.399	-19.1	77	0.00
42	S	2,4,6-Tribromophenol	0.206	0.217	-5.3	70	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.433	-12.5	77	0.00
44		2,4,5-Trichlorophenol	0.405	0.455	-12.3	76	0.00
45	S	2-Fluorobiphenyl	1.522	1.796	-18.0	82	0.00
46		1,1'-Biphenyl	1.580	1.785	-13.0	77	0.00
47		2-Chloronaphthalene	1.186	1.311	-10.5	76	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.332	0.349	-5.1	70	0.00
49		Acenaphthylene	1.952	2.014	-3.2	70	0.00
50		Dimethylphthalate	1.295	1.402	-8.3	74	0.00
51		2,6-Dinitrotoluene	0.284	0.309	-8.8	72	0.00
52	C	Acenaphthene	1.191	1.337	-12.3	76	0.00
53		3-Nitroaniline	0.313	0.321	-2.6	69	0.00
54	P	2,4-Dinitrophenol	0.142	0.160	-12.7	73	0.00
55		Dibenzofuran	1.708	1.910	-11.8	76	0.00
56	P	4-Nitrophenol	0.214	0.227	-6.1	71	0.00
57		2,4-Dinitrotoluene	0.378	0.393	-4.0	70	0.00
58		Fluorene	1.334	1.434	-7.5	74	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.363	-11.3	76	0.00
60		Diethylphthalate	1.269	1.419	-11.8	76	0.00
61		4-Chlorophenyl-phenylether	0.636	0.688	-8.2	75	0.00
62		4-Nitroaniline	0.286	0.307	-7.3	73	0.00
63		Azobenzene	1.134	1.231	-8.6	74	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.133	-9.9	70	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.758	-9.4	71	0.00
67		4-Bromophenyl-phenylether	0.228	0.259	-13.6	74	0.00
68		Hexachlorobenzene	0.253	0.277	-9.5	72	0.00
69		Atrazine	0.179	0.201	-12.3	73	0.00
70	C	Pentachlorophenol	0.126	0.150	-19.0	75	0.00
71		Phenanthrene	1.083	1.190	-9.9	72	0.00
72		Anthracene	1.111	1.171	-5.4	69	0.00
73		Carbazole	0.959	1.070	-11.6	75	0.00
74		Di-n-butylphthalate	0.999	1.304	-30.5#	86	0.00
75	C	Fluoranthene	1.028	1.225	-19.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.751	0.634	15.6	75	0.00
78		Pyrene	1.875	1.558	16.9	82	0.00
79	S	Terphenyl-d14	1.447	1.279	11.6	88	0.00
80		Butylbenzylphthalate	0.544	0.670	-23.2	112	0.00
81		Benzo(a)anthracene	1.349	1.494	-10.7	108	0.00
82		3,3'-Dichlorobenzidine	0.438	0.471	-7.5	101	0.00
83		Chrysene	1.204	1.301	-8.1	102	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	1.016	-29.9#	116	0.00
85	c	Di-n-octyl phthalate	1.475	1.826	-23.8#	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.533	-0.7	99	0.00
88		Benzo(b)fluoranthene	1.157	1.366	-18.1	121	0.00
89		Benzo(k)fluoranthene	1.083	1.131	-4.4	104	0.00
90	C	Benzo(a)pyrene	1.118	1.144	-2.3	102	0.00
91		Dibenzo(a,h)anthracene	1.238	1.245	-0.6	100	0.00
92		Benzo(g,h,i)perylene	1.234	1.274	-3.2	102	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	75	0.00
2		1,4-Dioxane	40.000	41.682	-4.2	81	-0.02
3		Pyridine	40.000	41.299	-3.2	80	-0.02
4		n-Nitrosodimethylamine	40.000	41.588	-4.0	81	-0.02
5	S	2-Fluorophenol	80.000	87.268	-9.1	85	0.00
6		Aniline	40.000	30.853	22.9	60	0.00
7	S	Phenol-d6	80.000	84.579	-5.7	84	0.00
8		2-Chlorophenol	40.000	42.535	-6.3	83	0.00
9		Benzaldehyde	40.000	76.157	-90.4#	158	0.00
10	C	Phenol	40.000	40.861	-2.2	79	0.00
11		bis(2-Chloroethyl)ether	40.000	42.163	-5.4	83	0.00
12		1,3-Dichlorobenzene	40.000	42.346	-5.9	83	0.00
13	C	1,4-Dichlorobenzene	40.000	41.902	-4.8	81	0.00
14		1,2-Dichlorobenzene	40.000	41.338	-3.3	81	0.00
15		Benzyl Alcohol	40.000	41.513	-3.8	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.342	-0.9	79	0.00
17		2-Methylphenol	40.000	39.900	0.3	78	0.00
18		Hexachloroethane	40.000	41.888	-4.7	80	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.316	1.7	77	0.00
20		3+4-Methylphenols	40.000	40.784	-2.0	79	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	69	0.00
22		Acetophenone	40.000	43.958	-9.9	80	0.00
23	S	Nitrobenzene-d5	80.000	94.152	-17.7	84	0.00
24		Nitrobenzene	40.000	43.639	-9.1	78	0.00
25		Isophorone	40.000	38.568	3.6	70	0.00
26	C	2-Nitrophenol	40.000	45.422	-13.6	79	0.00
27		2,4-Dimethylphenol	40.000	32.712	18.2	59	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.437	-6.1	77	0.00
29	C	2,4-Dichlorophenol	40.000	44.470	-11.2	80	0.00
30		1,2,4-Trichlorobenzene	40.000	44.376	-10.9	80	0.00
31		Naphthalene	40.000	45.044	-12.6	82	0.00
32		Benzoic acid	40.000	49.345	-23.4	87	0.00
33		4-Chloroaniline	40.000	36.468	8.8	66	0.00
34	C	Hexachlorobutadiene	40.000	44.953	-12.4	80	0.00
35		Caprolactam	40.000	40.950	-2.4	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.309	-5.8	77	0.00
37		2-Methylnaphthalene	40.000	46.536	-16.3	84	0.00
38		1-Methylnaphthalene	40.000	44.105	-10.3	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	47.441	-18.6	82	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.699	-19.2	77	0.00
42	S	2,4,6-Tribromophenol	80.000	84.173	-5.2	70	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.992	-12.5	77	0.00
44		2,4,5-Trichlorophenol	40.000	44.977	-12.4	76	0.00
45	S	2-Fluorobiphenyl	80.000	94.396	-18.0	82	0.00
46		1,1'-Biphenyl	40.000	45.199	-13.0	77	0.00
47		2-Chloronaphthalene	40.000	44.220	-10.5	76	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.049	-5.1	70	0.00
49		Acenaphthylene	40.000	41.275	-3.2	70	0.00
50		Dimethylphthalate	40.000	43.304	-8.3	74	0.00
51		2,6-Dinitrotoluene	40.000	43.414	-8.5	72	0.00
52	C	Acenaphthene	40.000	44.920	-12.3	76	0.00
53		3-Nitroaniline	40.000	40.967	-2.4	69	0.00
54	P	2,4-Dinitrophenol	40.000	44.832	-12.1	73	0.00
55		Dibenzofuran	40.000	44.746	-11.9	76	0.00
56	P	4-Nitrophenol	40.000	42.364	-5.9	71	0.00
57		2,4-Dinitrotoluene	40.000	41.648	-4.1	70	0.00
58		Fluorene	40.000	42.997	-7.5	74	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.458	-11.1	76	0.00
60		Diethylphthalate	40.000	44.703	-11.8	76	0.00
61		4-Chlorophenyl-phenylether	40.000	43.262	-8.2	75	0.00
62		4-Nitroaniline	40.000	42.905	-7.3	73	0.00
63		Azobenzene	40.000	43.395	-8.5	74	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.100	-10.3	70	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.770	-9.4	71	0.00
67		4-Bromophenyl-phenylether	40.000	45.479	-13.7	74	0.00
68		Hexachlorobenzene	40.000	43.810	-9.5	72	0.00
69		Atrazine	40.000	44.922	-12.3	73	0.00
70	C	Pentachlorophenol	40.000	47.555	-18.9	75	0.00
71		Phenanthrene	40.000	43.939	-9.8	72	0.00
72		Anthracene	40.000	42.146	-5.4	69	0.00
73		Carbazole	40.000	44.618	-11.5	75	0.00
74		Di-n-butylphthalate	40.000	52.204	-30.5#	86	0.00
75	C	Fluoranthene	40.000	47.656	-19.1	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	33.751	15.6	75	0.00
78		Pyrene	40.000	33.232	16.9	82	0.00
79	S	Terphenyl-d14	80.000	70.670	11.7	88	0.00
80		Butylbenzylphthalate	40.000	49.292	-23.2	112	0.00
81		Benzo(a)anthracene	40.000	44.285	-10.7	108	0.00
82		3,3'-Dichlorobenzidine	40.000	43.094	-7.7	101	0.00
83		Chrysene	40.000	43.234	-8.1	102	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	51.937	-29.8#	116	0.00
85	c	Di-n-octyl phthalate	40.000	49.504	-23.8#	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.260	-0.6	99	0.00
88		Benzo(b)fluoranthene	40.000	47.198	-18.0	121	0.00
89		Benzo(k)fluoranthene	40.000	41.788	-4.5	104	0.00
90	C	Benzo(a)pyrene	40.000	40.946	-2.4	102	0.00
91		Dibenzo(a,h)anthracene	40.000	40.224	-0.6	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.282	-3.2	102	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

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

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: BNA_F Calibration Date/Time: 06/26/2025 09:39

Lab File ID: BF142857.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.205	1.210		0.4	
2-Fluorophenol	1.201	1.244		3.6	
Phenol-d6	1.417	1.459		3.0	
1,4-Dichlorobenzene	1.462	1.513		3.5	20.0
2-Methylphenol	0.982	1.017		3.6	
3+4-Methylphenols	1.224	1.278		4.4	
Nitrobenzene-d5	0.365	0.443		21.4	
Hexachloroethane	0.511	0.530		3.7	
Nitrobenzene	0.330	0.344		4.2	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
2,4,6-Trichlorophenol	0.385	0.387		0.5	20.0
2-Fluorobiphenyl	1.522	1.697		11.5	
2,4,5-Trichlorophenol	0.405	0.414		2.2	
2,4-Dinitrotoluene	0.378	0.411		8.7	
2,4,6-Tribromophenol	0.206	0.223		8.3	
Hexachlorobenzene	0.253	0.261		3.2	
Pentachlorophenol	0.126	0.138		9.5	20.0
Terphenyl-d14	1.447	1.677		15.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77664	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	293795	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161192	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	275904	20.000	ng	0.00
76) Chrysene-d12	14.057	240	159836	20.000	ng	0.00
86) Perylene-d12	15.545	264	144296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	386495	82.855	ng	0.00
7) Phenol-d6	6.510	99	453238	82.355	ng	0.00
23) Nitrobenzene-d5	7.445	82	520692	97.212	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	143711	86.637	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1094086	89.165	ng	0.00
79) Terphenyl-d14	12.998	244	1072266	92.692	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	76030	40.750	ng	99
3) Pyridine	3.410	79	187948	40.182	ng	99
4) n-Nitrosodimethylamine	3.357	42	98314	40.646	ng	99
6) Aniline	6.540	93	301221	41.134	ng	96
8) 2-Chlorophenol	6.663	128	210070	41.748	ng	98
9) Benzaldehyde	6.428	77	117500	35.987	ng	100
10) Phenol	6.522	94	251458	41.105	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	182187	41.669	ng	99
12) 1,3-Dichlorobenzene	6.816	146	235807	41.902	ng	98
13) 1,4-Dichlorobenzene	6.893	146	235015	41.392	ng	99
14) 1,2-Dichlorobenzene	7.045	146	224455	41.679	ng	98
15) Benzyl Alcohol	7.022	79	168656	42.391	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	282023	40.148	ng	97
17) 2-Methylphenol	7.134	107	158020	41.440	ng	99
18) Hexachloroethane	7.387	117	82298	41.440	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	131635	41.125	ng	99
20) 3+4-Methylphenols	7.287	107	198514	41.753	ng	95
22) Acetophenone	7.287	105	267903	41.351	ng	98
24) Nitrobenzene	7.463	77	202331	41.736	ng	99
25) Isophorone	7.704	82	361539	42.077	ng	100
26) 2-Nitrophenol	7.781	139	113200	42.865	ng	97
27) 2,4-Dimethylphenol	7.816	122	189948	41.524	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	228518	41.833	ng	99
29) 2,4-Dichlorophenol	8.022	162	176952	42.662	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	188945	41.427	ng	99
31) Naphthalene	8.187	128	596557	41.483	ng	100
32) Benzoic acid	7.928	122	103914	44.569	ng	98
33) 4-Chloroaniline	8.234	127	242792	41.521	ng	99
34) Hexachlorobutadiene	8.298	225	116369	41.712	ng	99
35) Caprolactam	8.610	113	50127	45.799	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	176626	42.848	ng	100
37) 2-Methylnaphthalene	8.875	142	374990	42.060	ng	99
38) 1-Methylnaphthalene	8.975	142	384945	41.709	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	189612	39.866	ng	99
41) Hexachlorocyclopentadiene	9.028	237	101634	37.655	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	124841	40.280	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	133468	40.909	ng	99
46) 1,1'-Biphenyl	9.339	154	503702	39.558	ng	100
47) 2-Chloronaphthalene	9.369	162	378913	39.654	ng	100
48) 2-Nitroaniline	9.463	65	112245	41.899	ng	97
49) Acenaphthylene	9.781	152	629626	40.026	ng	100
50) Dimethylphthalate	9.639	163	439200	42.093	ng	99
51) 2,6-Dinitrotoluene	9.704	165	96682	42.193	ng	99
52) Acenaphthene	9.957	154	387211	40.345	ng	99
53) 3-Nitroaniline	9.875	138	109174	43.274	ng	97
54) 2,4-Dinitrophenol	9.981	184	52943	46.144	ng	98
55) Dibenzofuran	10.128	168	555756	40.382	ng	100
56) 4-Nitrophenol	10.033	139	74942	43.390	ng	99
57) 2,4-Dinitrotoluene	10.110	165	132428	43.509	ng	98
58) Fluorene	10.469	166	439722	40.911	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	108534	41.271	ng	96
60) Diethylphthalate	10.339	149	438956	42.907	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	210096	40.963	ng	98
62) 4-Nitroaniline	10.486	138	105952	45.920	ng	98
63) Azobenzene	10.622	77	381397	41.712	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	72530	43.461	ng	99
66) n-Nitrosodiphenylamine	10.581	169	382313	39.982	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	128311	40.863	ng	98
68) Hexachlorobenzene	11.016	284	143957	41.259	ng	98
69) Atrazine	11.104	200	114854	46.514	ng	99
70) Pentachlorophenol	11.216	266	75964	43.692	ng	98
71) Phenanthrene	11.433	178	606956	40.611	ng	99
72) Anthracene	11.486	178	627078	40.910	ng	100
73) Carbazole	11.639	167	565412	42.745	ng	100
74) Di-n-butylphthalate	11.969	149	655127	47.542	ng	100
75) Fluoranthene	12.627	202	619469	43.673	ng	100
77) Benzidine	12.745	184	251868	41.942	ng	99
78) Pyrene	12.857	202	617474	41.214	ng	100
80) Butylbenzylphthalate	13.469	149	204023	46.946	ng	98
81) Benzo(a)anthracene	14.045	228	440135	40.819	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	136940	39.155	ng	99
83) Chrysene	14.080	228	399572	41.529	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	243811	38.992	ng	99
85) Di-n-octyl phthalate	14.639	149	398772	33.822	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	456997	41.580	ng	99
88) Benzo(b)fluoranthene	15.104	252	370314	44.351	ng	99
89) Benzo(k)fluoranthene	15.133	252	317512	40.646	ng	99
90) Benzo(a)pyrene	15.480	252	338551	41.971	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	372769	41.742	ng	98
92) Benzo(g,h,i)perylene	17.515	276	371717	41.743	ng	98

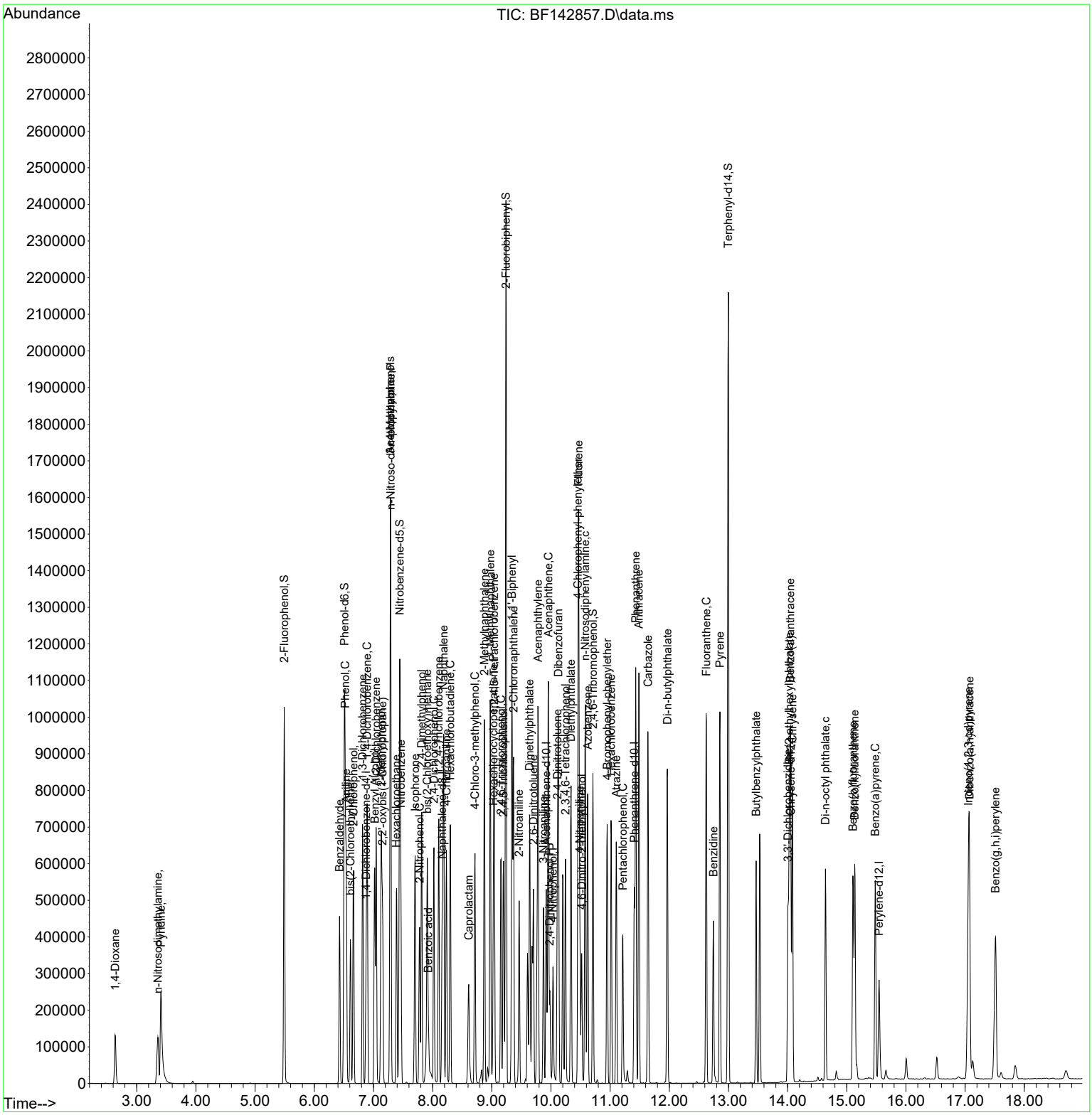
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.480	0.489	-1.9	98	0.00
3		Pyridine	1.205	1.210	-0.4	96	0.00
4		n-Nitrosodimethylamine	0.623	0.633	-1.6	98	0.00
5	S	2-Fluorophenol	1.201	1.244	-3.6	100	0.00
6		Aniline	1.886	1.939	-2.8	99	0.00
7	S	Phenol-d6	1.417	1.459	-3.0	101	0.00
8		2-Chlorophenol	1.296	1.352	-4.3	101	0.00
9		Benzaldehyde	0.841	0.756	10.1	93	0.00
10	C	Phenol	1.575	1.619	-2.8	99	0.00
11		bis(2-Chloroethyl)ether	1.126	1.173	-4.2	102	0.00
12		1,3-Dichlorobenzene	1.449	1.518	-4.8	102	0.00
13	C	1,4-Dichlorobenzene	1.462	1.513	-3.5	100	0.00
14		1,2-Dichlorobenzene	1.387	1.445	-4.2	101	0.00
15		Benzyl Alcohol	1.025	1.086	-6.0	103	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.816	-0.4	98	0.00
17		2-Methylphenol	0.982	1.017	-3.6	101	0.00
18		Hexachloroethane	0.511	0.530	-3.7	99	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.847	-2.8	100	0.00
20		3+4-Methylphenols	1.224	1.278	-4.4	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.441	0.456	-3.4	102	0.00
23	S	Nitrobenzene-d5	0.365	0.443	-21.4	117	0.00
24		Nitrobenzene	0.330	0.344	-4.2	101	0.00
25		Isophorone	0.585	0.615	-5.1	104	0.00
26	C	2-Nitrophenol	0.180	0.193	-7.2	101	0.00
27		2,4-Dimethylphenol	0.311	0.323	-3.9	101	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.389	-4.6	103	0.00
29	C	2,4-Dichlorophenol	0.282	0.301	-6.7	103	0.00
30		1,2,4-Trichlorobenzene	0.310	0.322	-3.9	101	0.00
31		Naphthalene	0.979	1.015	-3.7	102	0.00
32		Benzoic acid	0.159	0.177	-11.3	106	0.00
33		4-Chloroaniline	0.398	0.413	-3.8	102	0.00
34	C	Hexachlorobutadiene	0.190	0.198	-4.2	101	0.00
35		Caprolactam	0.075	0.085	-13.3	112	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.301	-7.1	105	0.00
37		2-Methylnaphthalene	0.607	0.638	-5.1	103	0.00
38		1-Methylnaphthalene	0.628	0.655	-4.3	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.588	0.3	105	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.315	6.0	93	0.00
42	S	2,4,6-Tribromophenol	0.206	0.223	-8.3	111	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.387	-0.5	105	0.00
44		2,4,5-Trichlorophenol	0.405	0.414	-2.2	105	0.00
45	S	2-Fluorobiphenyl	1.522	1.697	-11.5	118	0.00
46		1,1'-Biphenyl	1.580	1.562	1.1	103	0.00
47		2-Chloronaphthalene	1.186	1.175	0.9	104	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.332	0.348	-4.8	107	0.00
49		Acenaphthylene	1.952	1.953	-0.1	104	0.00
50		Dimethylphthalate	1.295	1.362	-5.2	110	0.00
51		2,6-Dinitrotoluene	0.284	0.300	-5.6	108	0.00
52	C	Acenaphthene	1.191	1.201	-0.8	105	0.00
53		3-Nitroaniline	0.313	0.339	-8.3	111	0.00
54	P	2,4-Dinitrophenol	0.142	0.164	-15.5	115	0.00
55		Dibenzofuran	1.708	1.724	-0.9	106	0.00
56	P	4-Nitrophenol	0.214	0.232	-8.4	111	0.00
57		2,4-Dinitrotoluene	0.378	0.411	-8.7	111	0.00
58		Fluorene	1.334	1.364	-2.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.337	-3.4	108	0.00
60		Diethylphthalate	1.269	1.362	-7.3	112	0.00
61		4-Chlorophenyl-phenylether	0.636	0.652	-2.5	108	0.00
62		4-Nitroaniline	0.286	0.329	-15.0	120	0.00
63		Azobenzene	1.134	1.183	-4.3	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	115	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.693	0.0	108	0.00
67		4-Bromophenyl-phenylether	0.228	0.233	-2.2	112	0.00
68		Hexachlorobenzene	0.253	0.261	-3.2	113	0.00
69		Atrazine	0.179	0.208	-16.2	126	0.00
70	C	Pentachlorophenol	0.126	0.138	-9.5	115	0.00
71		Phenanthrene	1.083	1.100	-1.6	112	0.00
72		Anthracene	1.111	1.136	-2.3	112	0.00
73		Carbazole	0.959	1.025	-6.9	119	0.00
74		Di-n-butylphthalate	0.999	1.187	-18.8	131	0.00
75	C	Fluoranthene	1.028	1.123	-9.2	123	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.751	0.788	-4.9	114	0.00
78		Pyrene	1.875	1.932	-3.0	124	0.00
79	S	Terphenyl-d14	1.447	1.677	-15.9	142	0.00
80		Butylbenzylphthalate	0.544	0.638	-17.3	131	0.00
81		Benzo(a)anthracene	1.349	1.377	-2.1	122	0.00
82		3,3'-Dichlorobenzidine	0.438	0.428	2.3	112	0.00
83		Chrysene	1.204	1.250	-3.8	120	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.763	2.4	106	0.00
85	c	Di-n-octyl phthalate	1.475	1.247	15.5	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.584	-4.0	91	0.00
88		Benzo(b)fluoranthene	1.157	1.283	-10.9	101	0.00
89		Benzo(k)fluoranthene	1.083	1.100	-1.6	90	0.00
90	C	Benzo(a)pyrene	1.118	1.173	-4.9	93	0.00
91		Dibenzo(a,h)anthracene	1.238	1.292	-4.4	93	0.00
92		Benzo(g,h,i)perylene	1.234	1.288	-4.4	92	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	40.750	-1.9	98	0.00
3		Pyridine	40.000	40.182	-0.5	96	0.00
4		n-Nitrosodimethylamine	40.000	40.646	-1.6	98	0.00
5	S	2-Fluorophenol	80.000	82.855	-3.6	100	0.00
6		Aniline	40.000	41.134	-2.8	99	0.00
7	S	Phenol-d6	80.000	82.355	-2.9	101	0.00
8		2-Chlorophenol	40.000	41.748	-4.4	101	0.00
9		Benzaldehyde	40.000	35.987	10.0	93	0.00
10	C	Phenol	40.000	41.105	-2.8	99	0.00
11		bis(2-Chloroethyl)ether	40.000	41.669	-4.2	102	0.00
12		1,3-Dichlorobenzene	40.000	41.902	-4.8	102	0.00
13	C	1,4-Dichlorobenzene	40.000	41.392	-3.5	100	0.00
14		1,2-Dichlorobenzene	40.000	41.679	-4.2	101	0.00
15		Benzyl Alcohol	40.000	42.391	-6.0	103	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.148	-0.4	98	0.00
17		2-Methylphenol	40.000	41.440	-3.6	101	0.00
18		Hexachloroethane	40.000	41.440	-3.6	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.125	-2.8	100	0.00
20		3+4-Methylphenols	40.000	41.753	-4.4	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	41.351	-3.4	102	0.00
23	S	Nitrobenzene-d5	80.000	97.212	-21.5	117	0.00
24		Nitrobenzene	40.000	41.736	-4.3	101	0.00
25		Isophorone	40.000	42.077	-5.2	104	0.00
26	C	2-Nitrophenol	40.000	42.865	-7.2	101	0.00
27		2,4-Dimethylphenol	40.000	41.524	-3.8	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.833	-4.6	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.662	-6.7	103	0.00
30		1,2,4-Trichlorobenzene	40.000	41.427	-3.6	101	0.00
31		Naphthalene	40.000	41.483	-3.7	102	0.00
32		Benzoic acid	40.000	44.569	-11.4	106	0.00
33		4-Chloroaniline	40.000	41.521	-3.8	102	0.00
34	C	Hexachlorobutadiene	40.000	41.712	-4.3	101	0.00
35		Caprolactam	40.000	45.799	-14.5	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.848	-7.1	105	0.00
37		2-Methylnaphthalene	40.000	42.060	-5.2	103	0.00
38		1-Methylnaphthalene	40.000	41.709	-4.3	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.866	0.3	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.655	5.9	93	0.00
42	S	2,4,6-Tribromophenol	80.000	86.637	-8.3	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.280	-0.7	105	0.00
44		2,4,5-Trichlorophenol	40.000	40.909	-2.3	105	0.00
45	S	2-Fluorobiphenyl	80.000	89.165	-11.5	118	0.00
46		1,1'-Biphenyl	40.000	39.558	1.1	103	0.00
47		2-Chloronaphthalene	40.000	39.654	0.9	104	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.899	-4.7	107	0.00
49		Acenaphthylene	40.000	40.026	-0.1	104	0.00
50		Dimethylphthalate	40.000	42.093	-5.2	110	0.00
51		2,6-Dinitrotoluene	40.000	42.193	-5.5	108	0.00
52	C	Acenaphthene	40.000	40.345	-0.9	105	0.00
53		3-Nitroaniline	40.000	43.274	-8.2	111	0.00
54	P	2,4-Dinitrophenol	40.000	46.144	-15.4	115	0.00
55		Dibenzofuran	40.000	40.382	-1.0	106	0.00
56	P	4-Nitrophenol	40.000	43.390	-8.5	111	0.00
57		2,4-Dinitrotoluene	40.000	43.509	-8.8	111	0.00
58		Fluorene	40.000	40.911	-2.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.271	-3.2	108	0.00
60		Diethylphthalate	40.000	42.907	-7.3	112	0.00
61		4-Chlorophenyl-phenylether	40.000	40.963	-2.4	108	0.00
62		4-Nitroaniline	40.000	45.920	-14.8	120	0.00
63		Azobenzene	40.000	41.712	-4.3	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.461	-8.7	115	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.982	0.0	108	0.00
67		4-Bromophenyl-phenylether	40.000	40.863	-2.2	112	0.00
68		Hexachlorobenzene	40.000	41.259	-3.1	113	0.00
69		Atrazine	40.000	46.514	-16.3	126	0.00
70	C	Pentachlorophenol	40.000	43.692	-9.2	115	0.00
71		Phenanthrene	40.000	40.611	-1.5	112	0.00
72		Anthracene	40.000	40.910	-2.3	112	0.00
73		Carbazole	40.000	42.745	-6.9	119	0.00
74		Di-n-butylphthalate	40.000	47.542	-18.9	131	0.00
75	C	Fluoranthene	40.000	43.673	-9.2	123	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	41.942	-4.9	114	0.00
78		Pyrene	40.000	41.214	-3.0	124	0.00
79	S	Terphenyl-d14	80.000	92.692	-15.9	142	0.00
80		Butylbenzylphthalate	40.000	46.946	-17.4	131	0.00
81		Benzo(a)anthracene	40.000	40.819	-2.0	122	0.00
82		3,3'-Dichlorobenzidine	40.000	39.155	2.1	112	0.00
83		Chrysene	40.000	41.529	-3.8	120	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.992	2.5	106	0.00
85	c	Di-n-octyl phthalate	40.000	33.822	15.4	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.580	-3.9	91	0.00
88		Benzo(b)fluoranthene	40.000	44.351	-10.9	101	0.00
89		Benzo(k)fluoranthene	40.000	40.646	-1.6	90	0.00
90	C	Benzo(a)pyrene	40.000	41.971	-4.9	93	0.00
91		Dibenzo(a,h)anthracene	40.000	41.742	-4.4	93	0.00
92		Benzo(g,h,i)perylene	40.000	41.743	-4.4	92	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

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

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

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: COPP02

Lab Code: CHEM Case No.: Q2409 SAS No.: Q2409 SDG No.: Q2409

Instrument ID: BNA_F Calibration Date/Time: 06/27/2025 09:51

Lab File ID: BF142882.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.205	1.219		1.2	
2-Fluorophenol	1.201	1.268		5.6	
Phenol-d6	1.417	1.473		4.0	
1,4-Dichlorobenzene	1.462	1.563		6.9	20.0
2-Methylphenol	0.982	1.026		4.5	
3+4-Methylphenols	1.224	1.279		4.5	
Nitrobenzene-d5	0.365	0.451		23.6	
Hexachloroethane	0.511	0.545		6.7	
Nitrobenzene	0.330	0.342		3.6	
Hexachlorobutadiene	0.190	0.197		3.7	20.0
2,4,6-Trichlorophenol	0.385	0.393		2.1	20.0
2-Fluorobiphenyl	1.522	1.783		17.1	
2,4,5-Trichlorophenol	0.405	0.419		3.5	
2,4-Dinitrotoluene	0.378	0.410		8.5	
2,4,6-Tribromophenol	0.206	0.217		5.3	
Hexachlorobenzene	0.253	0.258		2.0	
Pentachlorophenol	0.126	0.126		0.0	20.0
Terphenyl-d14	1.447	1.565		8.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	70500	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	264550	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	140000	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	234291	20.000	ng	0.00
76) Chrysene-d12	14.057	240	139168	20.000	ng	0.00
86) Perylene-d12	15.545	264	151209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	357569	84.443	ng	0.00
7) Phenol-d6	6.510	99	415394	83.149	ng	0.00
23) Nitrobenzene-d5	7.445	82	477762	99.057	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	121734	84.497	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	998745	93.716	ng	0.00
79) Terphenyl-d14	12.998	244	871106	86.486	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	68061	40.186	ng	99
3) Pyridine	3.405	79	171908	40.487	ng	99
4) n-Nitrosodimethylamine	3.352	42	88749	40.420	ng	99
6) Aniline	6.540	93	276214	41.552	ng	97
8) 2-Chlorophenol	6.663	128	193634	42.392	ng	97
9) Benzaldehyde	6.428	77	105877	35.722	ng	99
10) Phenol	6.522	94	228233	41.099	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	163774	41.264	ng	98
12) 1,3-Dichlorobenzene	6.816	146	213093	41.714	ng	99
13) 1,4-Dichlorobenzene	6.893	146	220329	42.749	ng	99
14) 1,2-Dichlorobenzene	7.045	146	205480	42.033	ng	99
15) Benzyl Alcohol	7.022	79	152439	42.208	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	252551	39.605	ng	97
17) 2-Methylphenol	7.134	107	144657	41.790	ng	98
18) Hexachloroethane	7.387	117	76850	42.629	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	121595	41.849	ng	97
20) 3+4-Methylphenols	7.287	107	180389	41.797	ng	95
22) Acetophenone	7.287	105	242192	41.515	ng	98
24) Nitrobenzene	7.463	77	180776	41.412	ng	99
25) Isophorone	7.704	82	322599	41.696	ng	99
26) 2-Nitrophenol	7.781	139	103609	43.570	ng	97
27) 2,4-Dimethylphenol	7.816	122	174240	42.301	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	205343	41.746	ng	99
29) 2,4-Dichlorophenol	8.022	162	156473	41.895	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	170514	41.519	ng	99
31) Naphthalene	8.187	128	540387	41.731	ng	99
32) Benzoic acid	7.928	122	88699	42.249	ng	96
33) 4-Chloroaniline	8.234	127	221895	42.142	ng	97
34) Hexachlorobutadiene	8.298	225	104342	41.536	ng	99
35) Caprolactam	8.604	113	45431	46.097	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	157062	42.314	ng	99
37) 2-Methylnaphthalene	8.875	142	333334	41.521	ng	99
38) 1-Methylnaphthalene	8.975	142	347469	41.811	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	169797	41.104	ng	99
41) Hexachlorocyclopentadiene	9.028	237	85906	36.646	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	110019	40.872	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

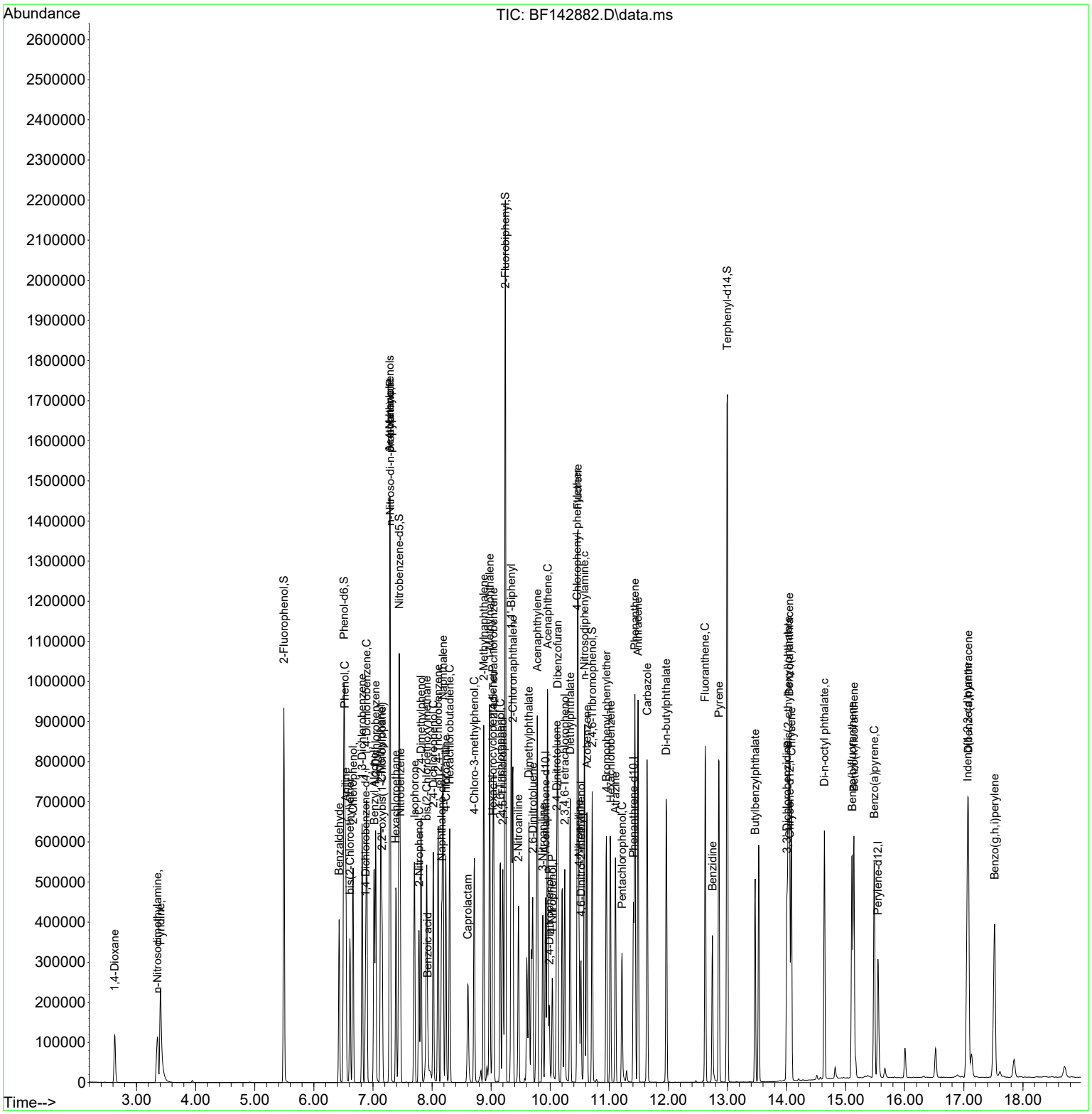
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	117411	41.435	ng	99
46) 1,1'-Biphenyl	9.339	154	453330	40.991	ng	100
47) 2-Chloronaphthalene	9.369	162	337318	40.645	ng	99
48) 2-Nitroaniline	9.463	65	98089	42.158	ng	97
49) Acenaphthylene	9.781	152	561931	41.130	ng	99
50) Dimethylphthalate	9.639	163	385972	42.591	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83923	42.169	ng	98
52) Acenaphthene	9.957	154	345883	41.495	ng	99
53) 3-Nitroaniline	9.875	138	93460	42.653	ng	99
54) 2,4-Dinitrophenol	9.986	184	40658	40.800	ng	93
55) Dibenzofuran	10.128	168	489849	40.981	ng	99
56) 4-Nitrophenol	10.034	139	60360	40.238	ng	96
57) 2,4-Dinitrotoluene	10.110	165	114910	43.469	ng	99
58) Fluorene	10.469	166	387127	41.470	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	95093	41.633	ng	96
60) Diethylphthalate	10.339	149	383081	43.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	186438	41.853	ng	98
62) 4-Nitroaniline	10.486	138	90481	45.151	ng	98
63) Azobenzene	10.622	77	324727	40.890	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	60921	42.988	ng	99
66) n-Nitrosodiphenylamine	10.581	169	332341	40.929	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	110475	41.431	ng	98
68) Hexachlorobenzene	11.022	284	120962	40.826	ng	98
69) Atrazine	11.104	200	95659	45.621	ng	99
70) Pentachlorophenol	11.216	266	58852	39.862	ng	98
71) Phenanthrene	11.433	178	517710	40.792	ng	99
72) Anthracene	11.486	178	532425	40.904	ng	99
73) Carbazole	11.639	167	469739	41.819	ng	99
74) Di-n-butylphthalate	11.963	149	532302	45.490	ng	100
75) Fluoranthene	12.622	202	503645	41.814	ng	100
77) Benzidine	12.745	184	213892	40.907	ng	99
78) Pyrene	12.857	202	500872	38.396	ng	99
80) Butylbenzylphthalate	13.469	149	172705	45.642	ng	97
81) Benzo(a)anthracene	14.045	228	386926	41.213	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	130270	42.779	ng	99
83) Chrysene	14.080	228	343961	41.058	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	245032	45.007	ng	99
85) Di-n-octyl phthalate	14.639	149	429047	41.794	ng	99
87) Indeno(1,2,3-cd)pyrene	17.063	276	444330	38.579	ng	98
88) Benzo(b)fluoranthene	15.110	252	369007	42.174	ng	99
89) Benzo(k)fluoranthene	15.139	252	345320	42.185	ng	99
90) Benzo(a)pyrene	15.486	252	353665	41.840	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	362287	38.714	ng	98
92) Benzo(g,h,i)perylene	17.521	276	357781	38.341	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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	84	0.00
2		1,4-Dioxane	0.480	0.483	-0.6	88	-0.01
3		Pyridine	1.205	1.219	-1.2	88	0.00
4		n-Nitrosodimethylamine	0.623	0.629	-1.0	89	0.00
5	S	2-Fluorophenol	1.201	1.268	-5.6	93	0.00
6		Aniline	1.886	1.959	-3.9	91	0.00
7	S	Phenol-d6	1.417	1.473	-4.0	93	0.00
8		2-Chlorophenol	1.296	1.373	-5.9	93	0.00
9		Benzaldehyde	0.841	0.751	10.7	84	0.00
10	C	Phenol	1.575	1.619	-2.8	90	0.00
11		bis(2-Chloroethyl)ether	1.126	1.162	-3.2	91	0.00
12		1,3-Dichlorobenzene	1.449	1.511	-4.3	92	0.00
13	C	1,4-Dichlorobenzene	1.462	1.563	-6.9	93	0.00
14		1,2-Dichlorobenzene	1.387	1.457	-5.0	92	0.00
15		Benzyl Alcohol	1.025	1.081	-5.5	93	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.791	1.0	88	0.00
17		2-Methylphenol	0.982	1.026	-4.5	92	0.00
18		Hexachloroethane	0.511	0.545	-6.7	92	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.862	-4.6	92	0.00
20		3+4-Methylphenols	1.224	1.279	-4.5	92	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.441	0.458	-3.9	92	0.00
23	S	Nitrobenzene-d5	0.365	0.451	-23.6	108	0.00
24		Nitrobenzene	0.330	0.342	-3.6	90	0.00
25		Isophorone	0.585	0.610	-4.3	93	0.00
26	C	2-Nitrophenol	0.180	0.196	-8.9	93	0.00
27		2,4-Dimethylphenol	0.311	0.329	-5.8	93	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.388	-4.3	92	0.00
29	C	2,4-Dichlorophenol	0.282	0.296	-5.0	91	0.00
30		1,2,4-Trichlorobenzene	0.310	0.322	-3.9	91	0.00
31		Naphthalene	0.979	1.021	-4.3	92	0.00
32		Benzoic acid	0.159	0.168	-5.7	90	0.00
33		4-Chloroaniline	0.398	0.419	-5.3	94	0.00
34	C	Hexachlorobutadiene	0.190	0.197	-3.7	90	0.00
35		Caprolactam	0.075	0.086	-14.7	101	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.297	-5.7	93	0.00
37		2-Methylnaphthalene	0.607	0.630	-3.8	92	0.00
38		1-Methylnaphthalene	0.628	0.657	-4.6	93	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	94	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.307	8.4	79	0.00
42	S	2,4,6-Tribromophenol	0.206	0.217	-5.3	94	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.393	-2.1	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.419	-3.5	93	0.00
45	S	2-Fluorobiphenyl	1.522	1.783	-17.1	108	0.00
46		1,1'-Biphenyl	1.580	1.619	-2.5	93	0.00
47		2-Chloronaphthalene	1.186	1.205	-1.6	92	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.332	0.350	-5.4	93	0.00
49		Acenaphthylene	1.952	2.007	-2.8	93	0.00
50		Dimethylphthalate	1.295	1.378	-6.4	97	0.00
51		2,6-Dinitrotoluene	0.284	0.300	-5.6	93	0.00
52	C	Acenaphthene	1.191	1.235	-3.7	94	0.00
53		3-Nitroaniline	0.313	0.334	-6.7	95	0.00
54	P	2,4-Dinitrophenol	0.142	0.145	-2.1	88	0.00
55		Dibenzofuran	1.708	1.749	-2.4	93	0.00
56	P	4-Nitrophenol	0.214	0.216	-0.9	90	0.00
57		2,4-Dinitrotoluene	0.378	0.410	-8.5	97	0.00
58		Fluorene	1.334	1.383	-3.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.340	-4.3	94	0.00
60		Diethylphthalate	1.269	1.368	-7.8	98	0.00
61		4-Chlorophenyl-phenylether	0.636	0.666	-4.7	96	0.00
62		4-Nitroaniline	0.286	0.323	-12.9	103	0.00
63		Azobenzene	1.134	1.160	-2.3	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.130	-7.4	97	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.709	-2.3	94	0.00
67		4-Bromophenyl-phenylether	0.228	0.236	-3.5	96	0.00
68		Hexachlorobenzene	0.253	0.258	-2.0	95	0.00
69		Atrazine	0.179	0.204	-14.0	105	0.00
70	C	Pentachlorophenol	0.126	0.126	0.0	89	0.00
71		Phenanthrene	1.083	1.105	-2.0	95	0.00
72		Anthracene	1.111	1.136	-2.3	95	0.00
73		Carbazole	0.959	1.002	-4.5	99	0.00
74		Di-n-butylphthalate	0.999	1.136	-13.7	107	0.00
75	C	Fluoranthene	1.028	1.075	-4.6	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.751	0.768	-2.3	97	0.00
78		Pyrene	1.875	1.800	4.0	101	0.00
79	S	Terphenyl-d14	1.447	1.565	-8.2	115	0.00
80		Butylbenzylphthalate	0.544	0.620	-14.0	111	0.00
81		Benzo(a)anthracene	1.349	1.390	-3.0	107	0.00
82		3,3'-Dichlorobenzidine	0.438	0.468	-6.8	107	0.00
83		Chrysene	1.204	1.236	-2.7	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.880	-12.5	107	0.00
85	c	Di-n-octyl phthalate	1.475	1.541	-4.5	103	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.469	3.5	89	0.00
88		Benzo(b)fluoranthene	1.157	1.220	-5.4	101	0.00
89		Benzo(k)fluoranthene	1.083	1.142	-5.4	98	0.00
90	C	Benzo(a)pyrene	1.118	1.169	-4.6	97	0.00
91		Dibenzo(a,h)anthracene	1.238	1.198	3.2	90	0.00
92		Benzo(g,h,i)perylene	1.234	1.183	4.1	88	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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	84	0.00
2		1,4-Dioxane	40.000	40.186	-0.5	88	-0.01
3		Pyridine	40.000	40.487	-1.2	88	0.00
4		n-Nitrosodimethylamine	40.000	40.420	-1.1	89	0.00
5	S	2-Fluorophenol	80.000	84.443	-5.6	93	0.00
6		Aniline	40.000	41.552	-3.9	91	0.00
7	S	Phenol-d6	80.000	83.149	-3.9	93	0.00
8		2-Chlorophenol	40.000	42.392	-6.0	93	0.00
9		Benzaldehyde	40.000	35.722	10.7	84	0.00
10	C	Phenol	40.000	41.099	-2.7	90	0.00
11		bis(2-Chloroethyl)ether	40.000	41.264	-3.2	91	0.00
12		1,3-Dichlorobenzene	40.000	41.714	-4.3	92	0.00
13	C	1,4-Dichlorobenzene	40.000	42.749	-6.9	93	0.00
14		1,2-Dichlorobenzene	40.000	42.033	-5.1	92	0.00
15		Benzyl Alcohol	40.000	42.208	-5.5	93	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.605	1.0	88	0.00
17		2-Methylphenol	40.000	41.790	-4.5	92	0.00
18		Hexachloroethane	40.000	42.629	-6.6	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.849	-4.6	92	0.00
20		3+4-Methylphenols	40.000	41.797	-4.5	92	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	41.515	-3.8	92	0.00
23	S	Nitrobenzene-d5	80.000	99.057	-23.8	108	0.00
24		Nitrobenzene	40.000	41.412	-3.5	90	0.00
25		Isophorone	40.000	41.696	-4.2	93	0.00
26	C	2-Nitrophenol	40.000	43.570	-8.9	93	0.00
27		2,4-Dimethylphenol	40.000	42.301	-5.8	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.746	-4.4	92	0.00
29	C	2,4-Dichlorophenol	40.000	41.895	-4.7	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.519	-3.8	91	0.00
31		Naphthalene	40.000	41.731	-4.3	92	0.00
32		Benzoic acid	40.000	42.249	-5.6	90	0.00
33		4-Chloroaniline	40.000	42.142	-5.4	94	0.00
34	C	Hexachlorobutadiene	40.000	41.536	-3.8	90	0.00
35		Caprolactam	40.000	46.097	-15.2	101	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.314	-5.8	93	0.00
37		2-Methylnaphthalene	40.000	41.521	-3.8	92	0.00
38		1-Methylnaphthalene	40.000	41.811	-4.5	93	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.104	-2.8	94	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.646	8.4	79	0.00
42	S	2,4,6-Tribromophenol	80.000	84.497	-5.6	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.872	-2.2	93	0.00
44		2,4,5-Trichlorophenol	40.000	41.435	-3.6	93	0.00
45	S	2-Fluorobiphenyl	80.000	93.716	-17.1	108	0.00
46		1,1'-Biphenyl	40.000	40.991	-2.5	93	0.00
47		2-Chloronaphthalene	40.000	40.645	-1.6	92	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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	42.158	-5.4	93	0.00
49		Acenaphthylene	40.000	41.130	-2.8	93	0.00
50		Dimethylphthalate	40.000	42.591	-6.5	97	0.00
51		2,6-Dinitrotoluene	40.000	42.169	-5.4	93	0.00
52	C	Acenaphthene	40.000	41.495	-3.7	94	0.00
53		3-Nitroaniline	40.000	42.653	-6.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	40.800	-2.0	88	0.00
55		Dibenzofuran	40.000	40.981	-2.5	93	0.00
56	P	4-Nitrophenol	40.000	40.238	-0.6	90	0.00
57		2,4-Dinitrotoluene	40.000	43.469	-8.7	97	0.00
58		Fluorene	40.000	41.470	-3.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.633	-4.1	94	0.00
60		Diethylphthalate	40.000	43.114	-7.8	98	0.00
61		4-Chlorophenyl-phenylether	40.000	41.853	-4.6	96	0.00
62		4-Nitroaniline	40.000	45.151	-12.9	103	0.00
63		Azobenzene	40.000	40.890	-2.2	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.988	-7.5	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.929	-2.3	94	0.00
67		4-Bromophenyl-phenylether	40.000	41.431	-3.6	96	0.00
68		Hexachlorobenzene	40.000	40.826	-2.1	95	0.00
69		Atrazine	40.000	45.621	-14.1	105	0.00
70	C	Pentachlorophenol	40.000	39.862	0.3	89	0.00
71		Phenanthrene	40.000	40.792	-2.0	95	0.00
72		Anthracene	40.000	40.904	-2.3	95	0.00
73		Carbazole	40.000	41.819	-4.5	99	0.00
74		Di-n-butylphthalate	40.000	45.490	-13.7	107	0.00
75	C	Fluoranthene	40.000	41.814	-4.5	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	40.907	-2.3	97	0.00
78		Pyrene	40.000	38.396	4.0	101	0.00
79	S	Terphenyl-d14	80.000	86.486	-8.1	115	0.00
80		Butylbenzylphthalate	40.000	45.642	-14.1	111	0.00
81		Benzo(a)anthracene	40.000	41.213	-3.0	107	0.00
82		3,3'-Dichlorobenzidine	40.000	42.779	-6.9	107	0.00
83		Chrysene	40.000	41.058	-2.6	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.007	-12.5	107	0.00
85	c	Di-n-octyl phthalate	40.000	41.794	-4.5	103	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.579	3.6	89	0.00
88		Benzo(b)fluoranthene	40.000	42.174	-5.4	101	0.00
89		Benzo(k)fluoranthene	40.000	42.185	-5.5	98	0.00
90	C	Benzo(a)pyrene	40.000	41.840	-4.6	97	0.00
91		Dibenzo(a,h)anthracene	40.000	38.714	3.2	90	0.00
92		Benzo(g,h,i)perylene	40.000	38.341	4.1	88	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

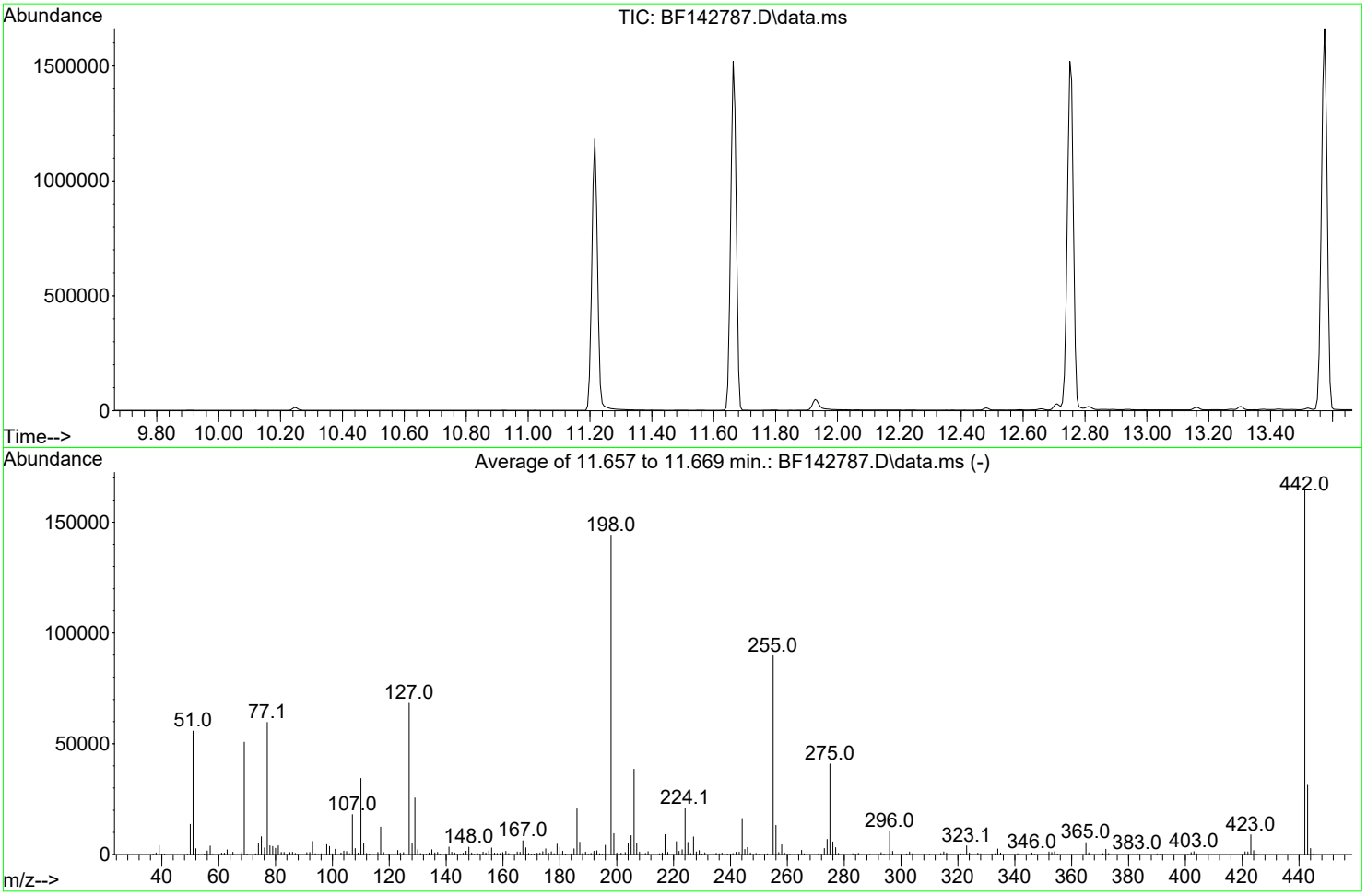
Sample Results: **BF142787.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	926	PASS
69	69	100	100	100.0	50712	PASS
70	69	0.00	2	0.5	243	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.6	9464	PASS
365	198	1	100	3.7	5372	PASS
441	443	0.01	150	78.8	24649	PASS
442	442	100	100	100.0	164283	PASS
443	442	15	24	19.1	31296	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	BF142787.D
Compound Name	**Response**	**Retention Time**
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8429	438144	1.92

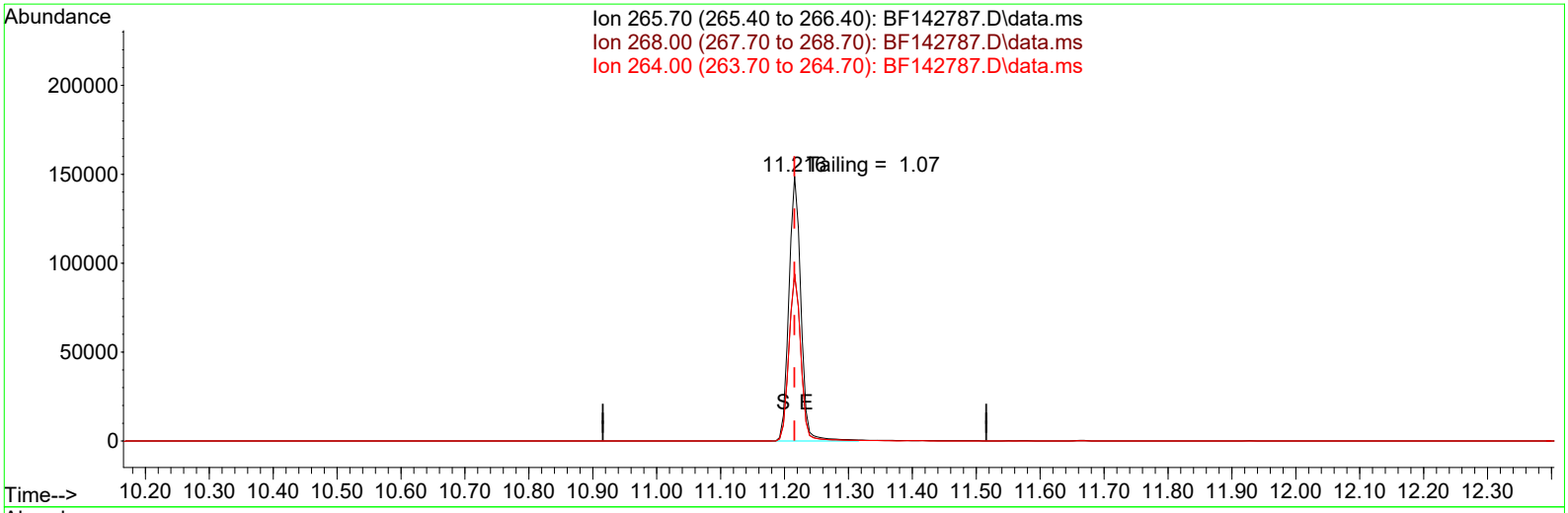
Instrument :
BNA_F
ClientSampleId :
DFTPP

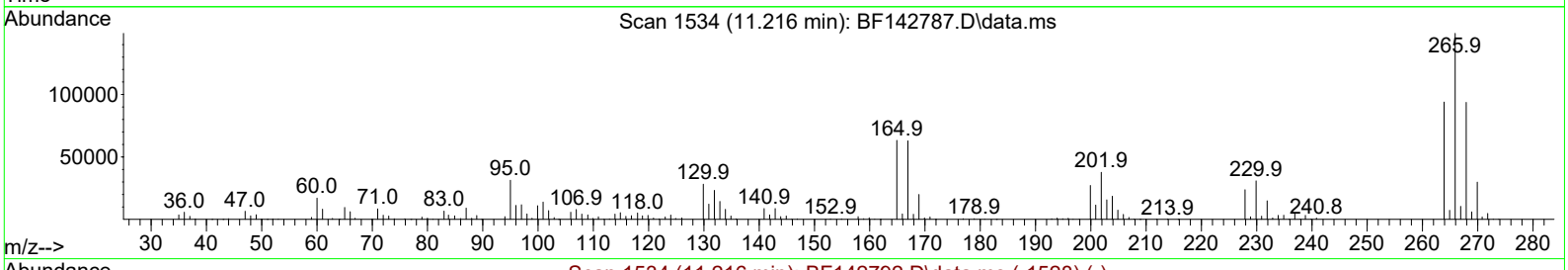
Sample Results: **BF142787.D**

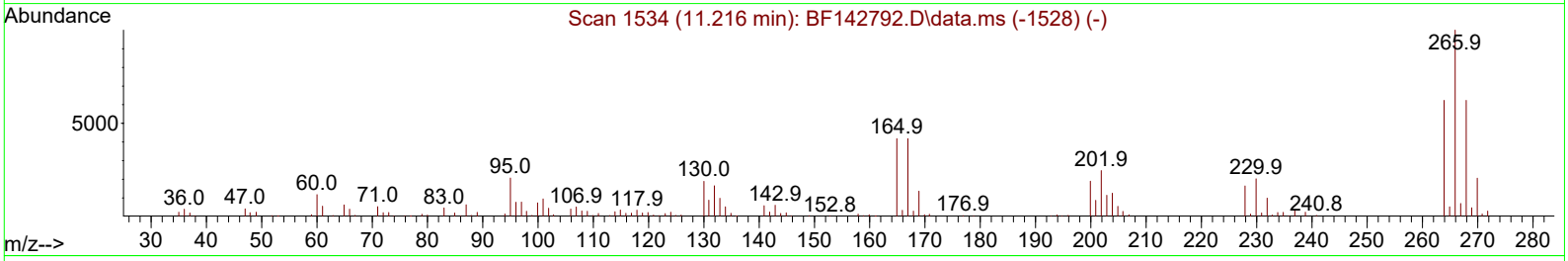
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 37164.56 ng

response 195787

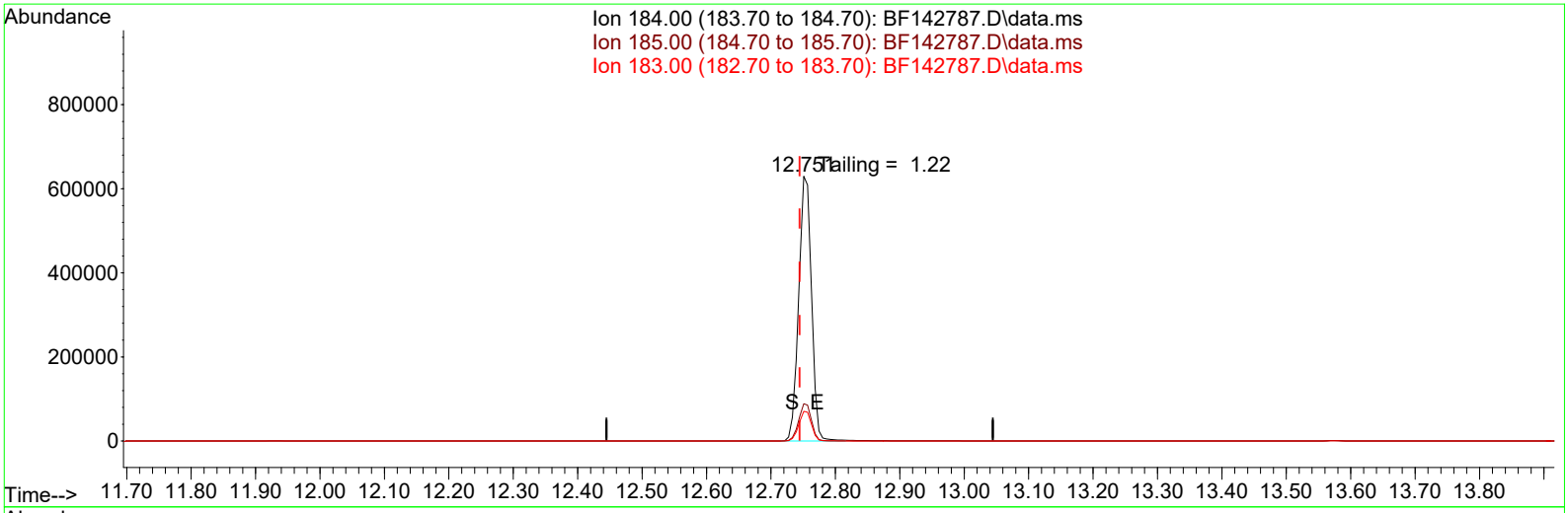
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.94
264.00	62.40	63.12
0.00	0.00	0.00

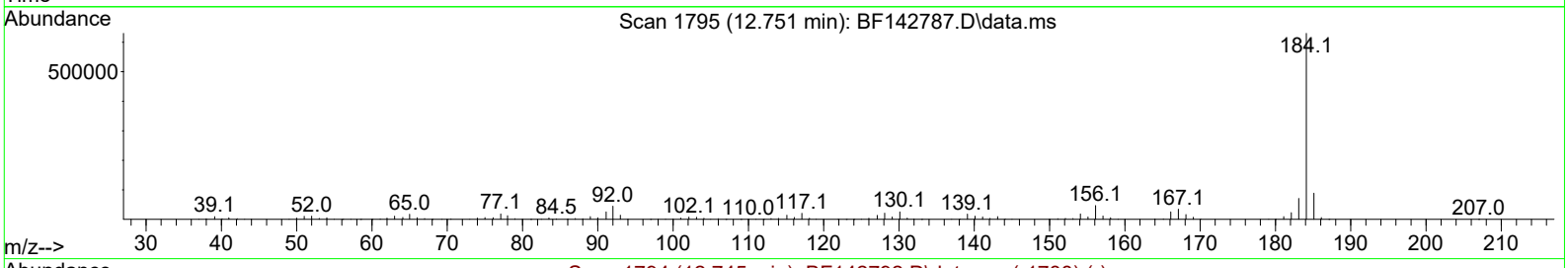
Sample Results: **BF142787.D**

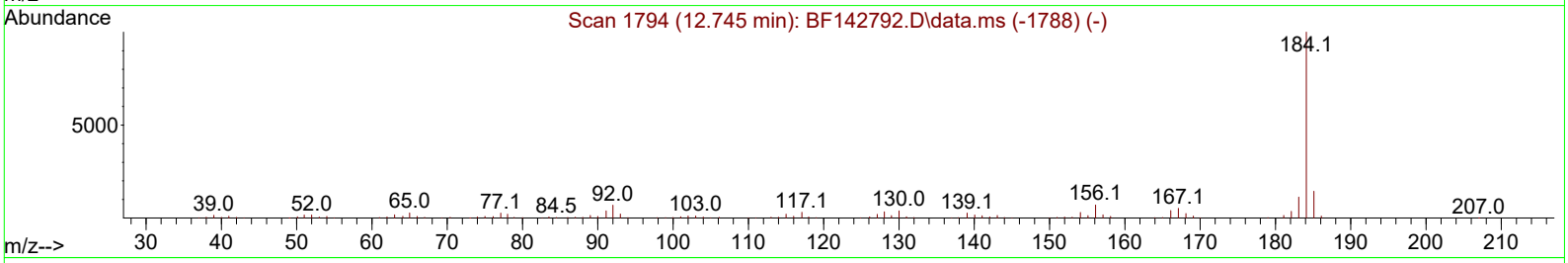
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 874127

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

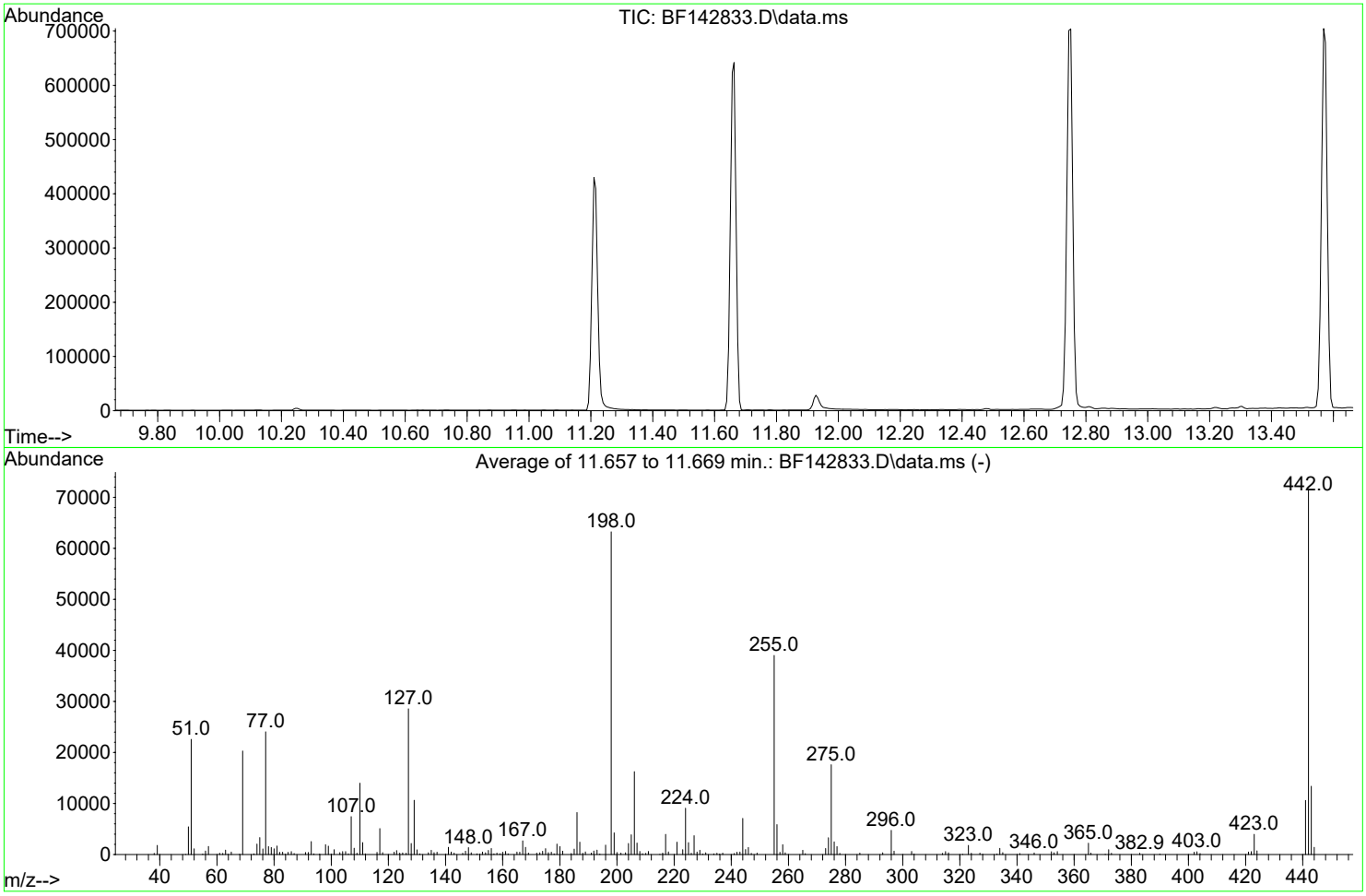
Sample Results: **BF142833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.4	72	PASS
69	69	100	100	100.0	20307	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	63235	PASS
199	198	5	9	6.7	4266	PASS
365	198	1	100	3.5	2228	PASS
441	443	0.01	150	79.2	10603	PASS
442	442	100	100	100.0	71325	PASS
443	442	15	24	18.8	13383	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/25/2025	BNA_F	BF142833.D
Compound Name	**Response**	**Retention Time**
DDT	182439	13.574
DDD	2979	13.304
DDE	207	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3186	185625	1.72

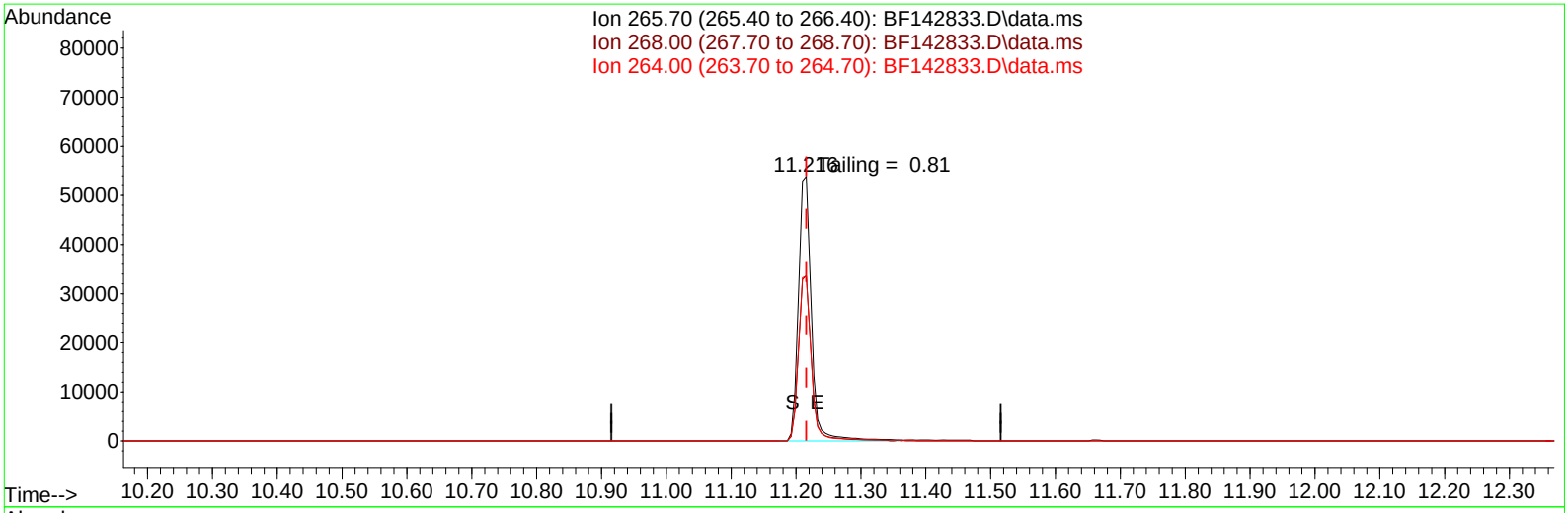
Instrument :
BNA_F
ClientSampleId :
DFTPP

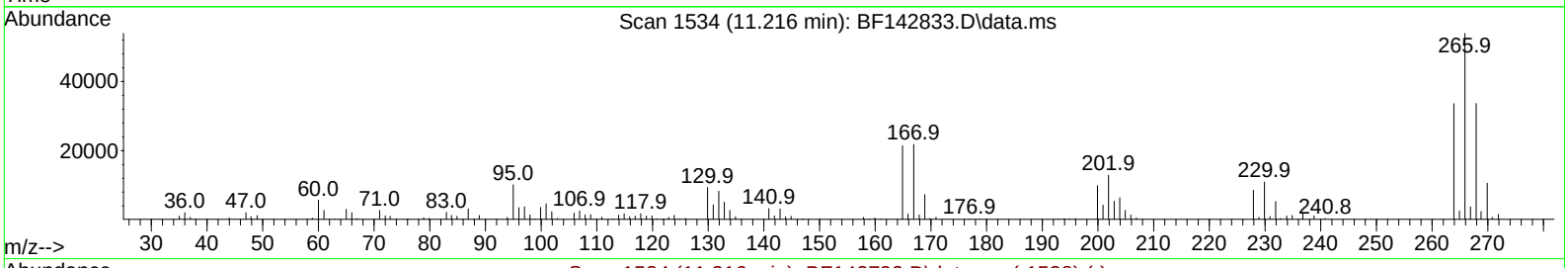
Sample Results: **BF142833.D**

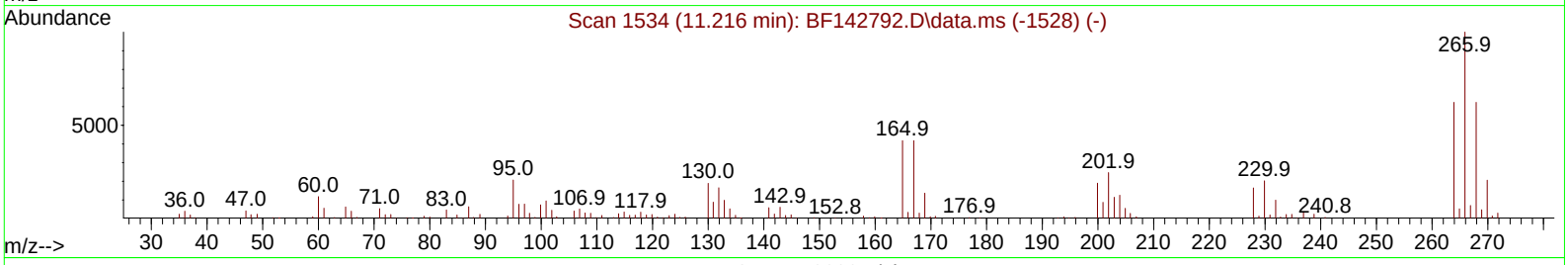
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142833.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 32756.87 ng

response 75756

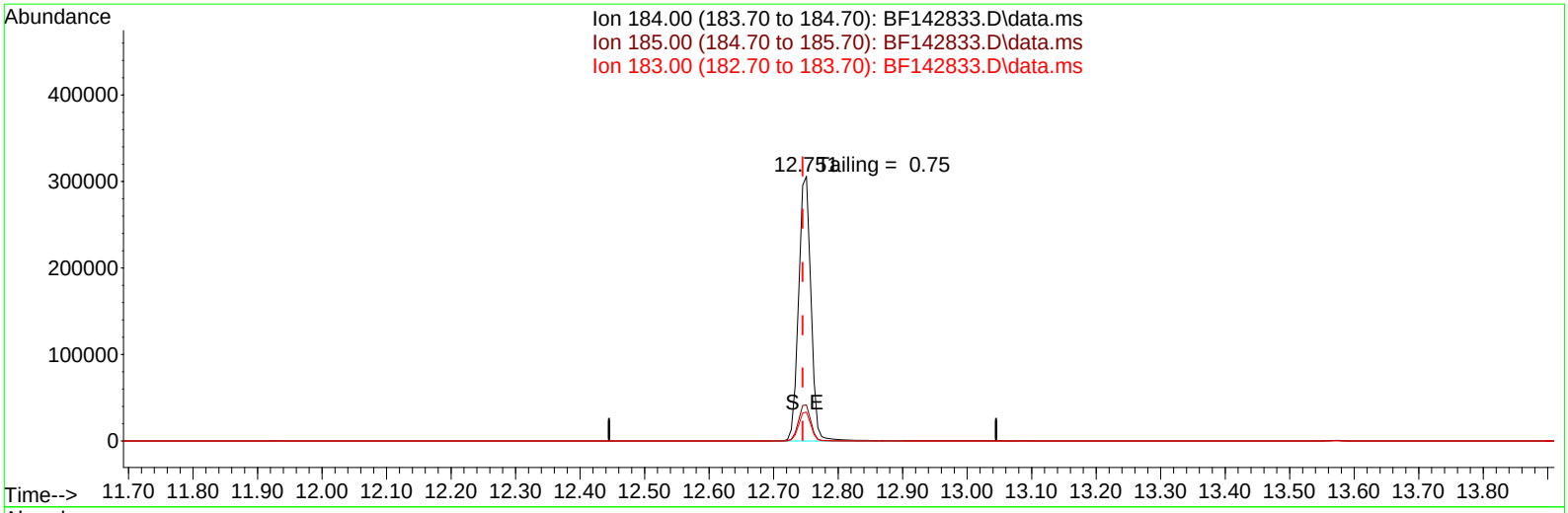
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.42
264.00	62.40	62.36
0.00	0.00	0.00

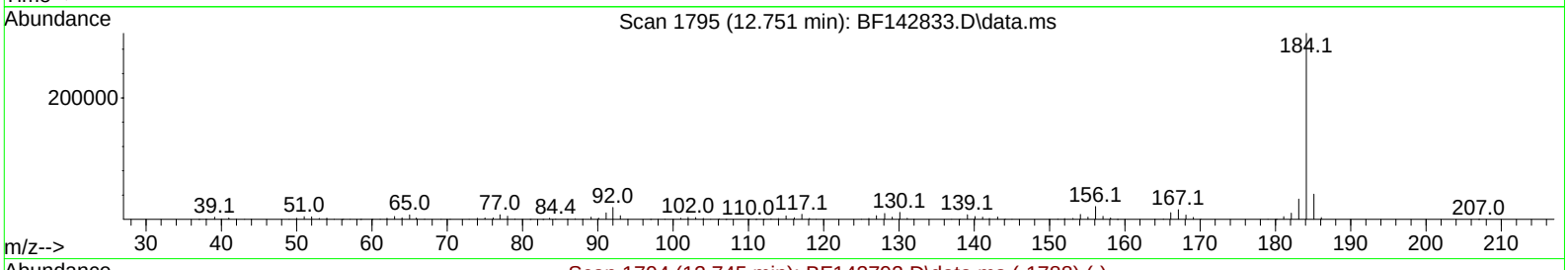
Sample Results: **BF142833.D**

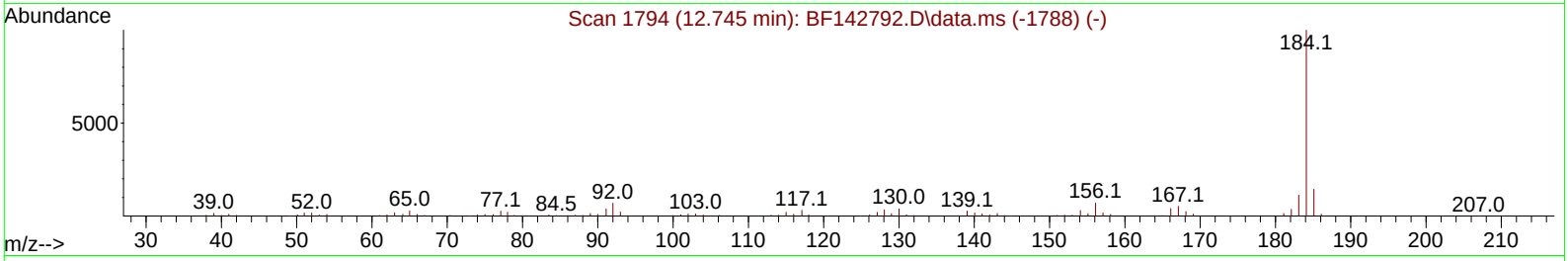
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142833.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 410200

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.59
183.00	11.20	10.93
0.00	0.00	0.00

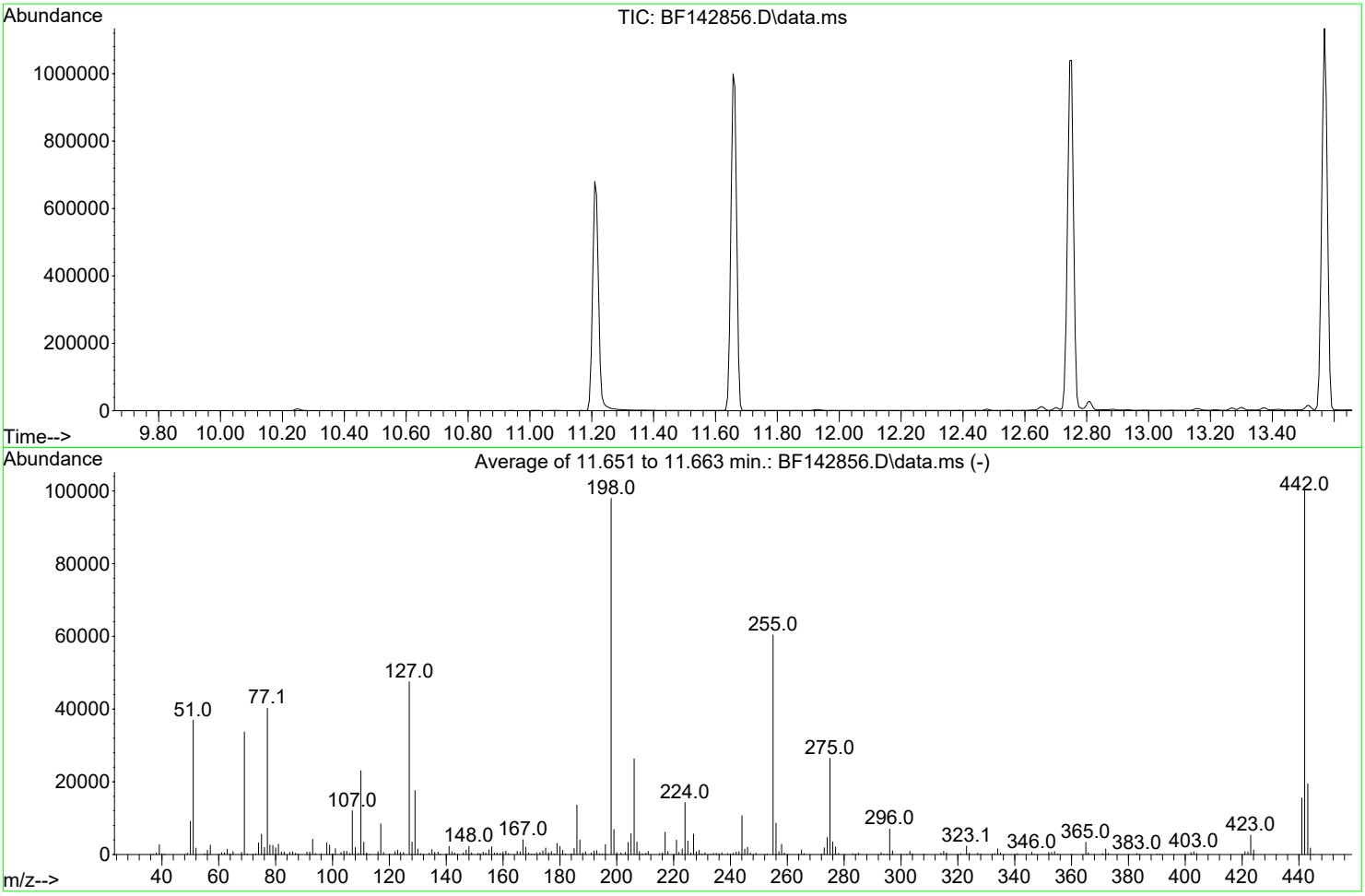
Sample Results: **BF142856.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	602	PASS
69	69	100	100	100.0	33723	PASS
70	69	0.00	2	0.6	189	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	97987	PASS
199	198	5	9	7.0	6886	PASS
365	198	1	100	3.5	3393	PASS
441	443	0.01	150	80.1	15571	PASS
442	442	100	100	100.0	100104	PASS
443	442	15	24	19.4	19440	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/26/2025	BNA_F	BF142856.D
Compound Name	**Response**	**Retention Time**
DDT	291948	13.568
DDD	5615	13.298
DDE	466	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6081	298029	2.04

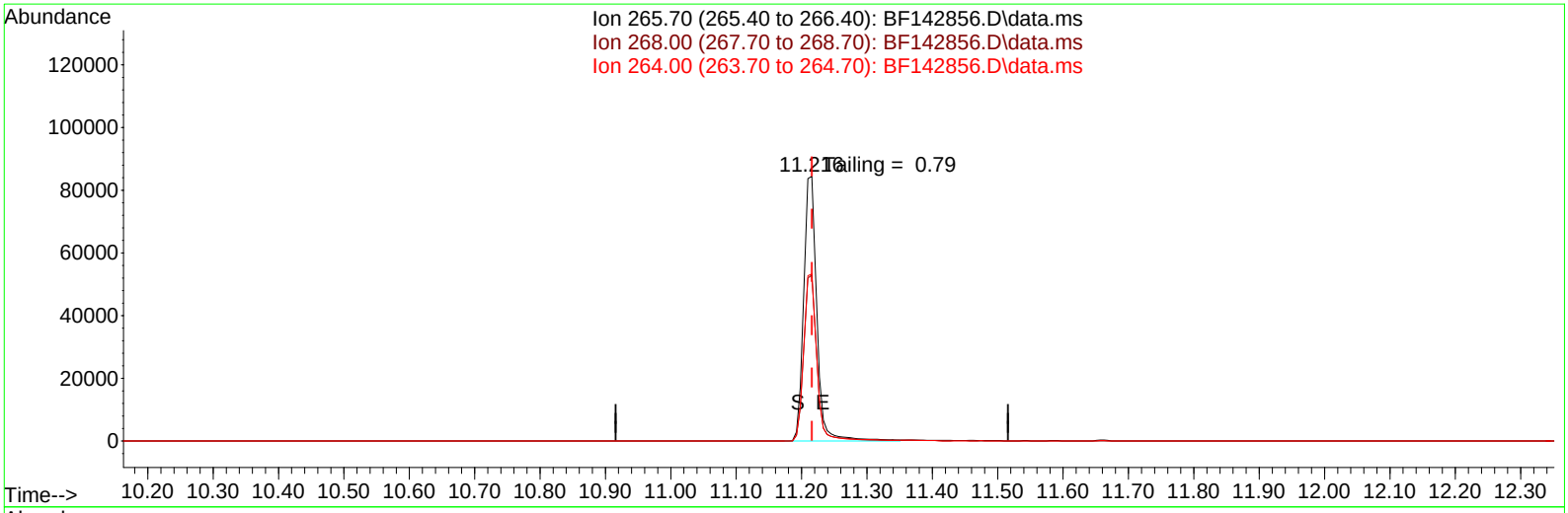
Instrument :
BNA_F
ClientSampleId :
DFTPP

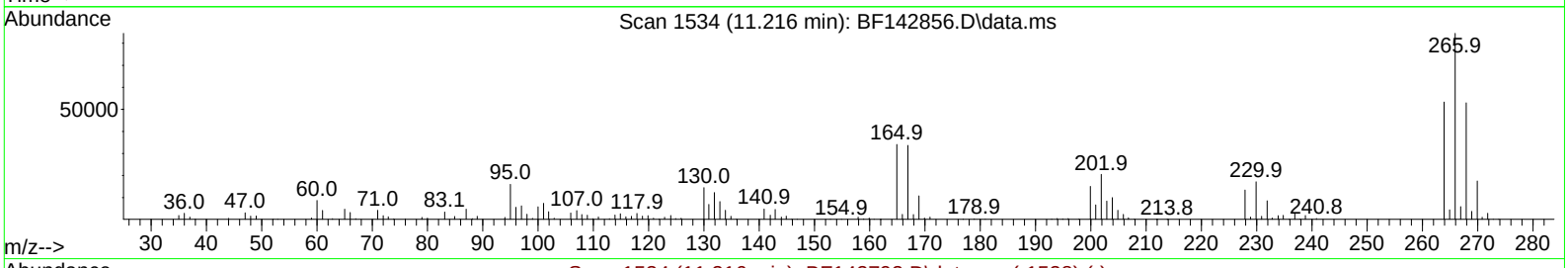
Sample Results: **BF142856.D**

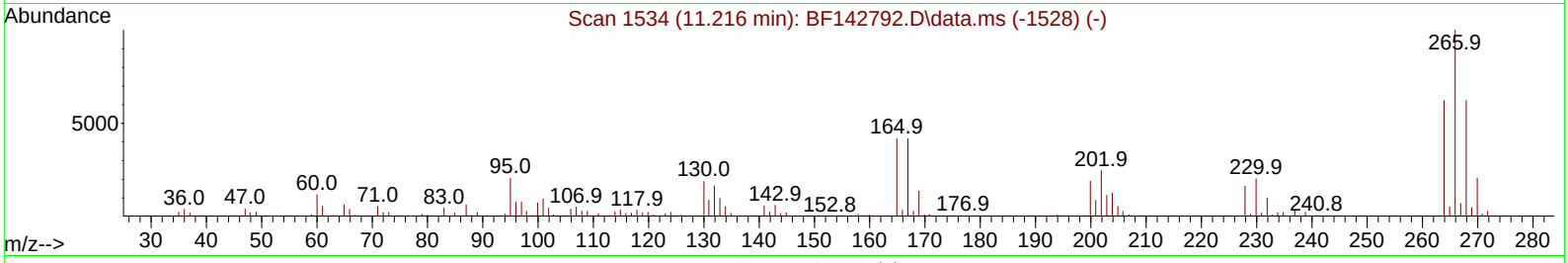
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 26 11:10:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142856.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.000) 32945.90 ng

response 118961

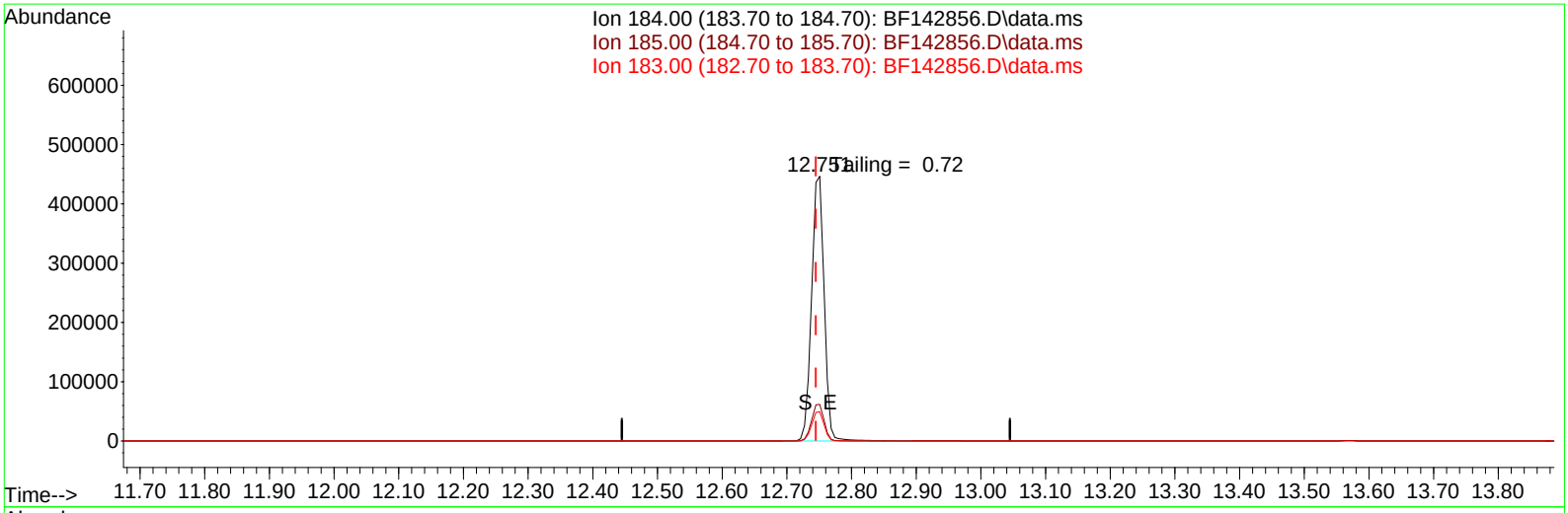
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.68
264.00	62.40	63.11
0.00	0.00	0.00

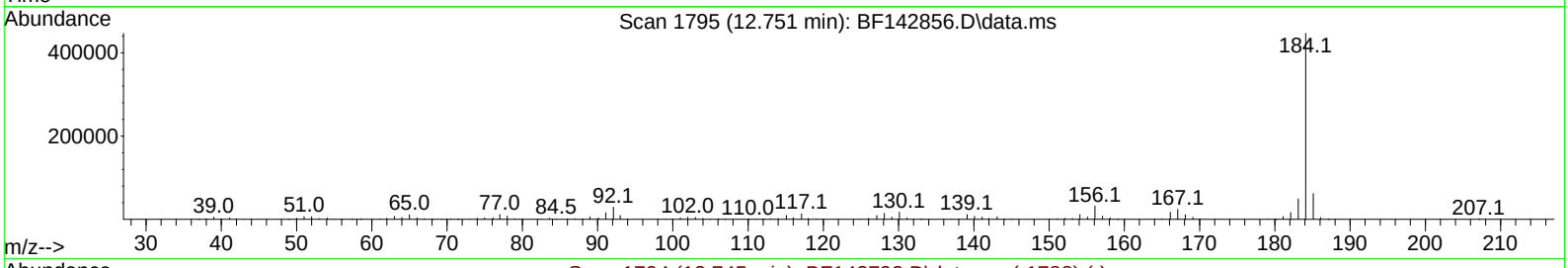
Sample Results: **BF142856.D**

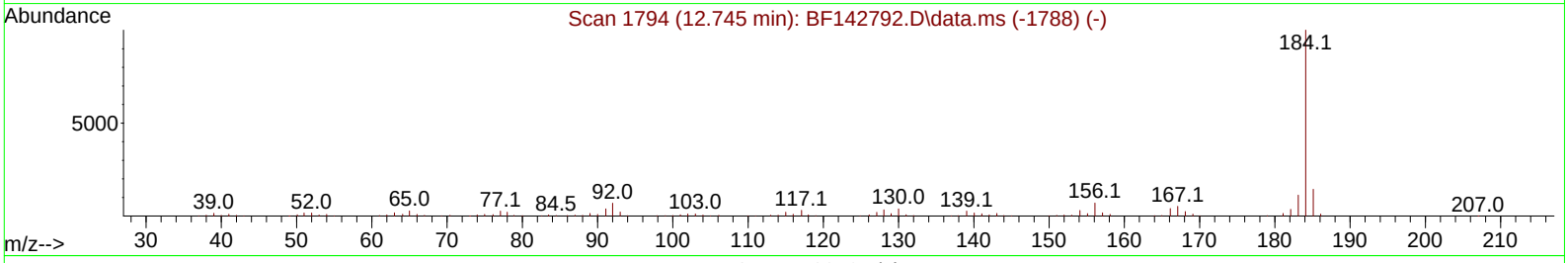
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 26 11:10:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142856.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 609276

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.87
183.00	11.20	11.04
0.00	0.00	0.00

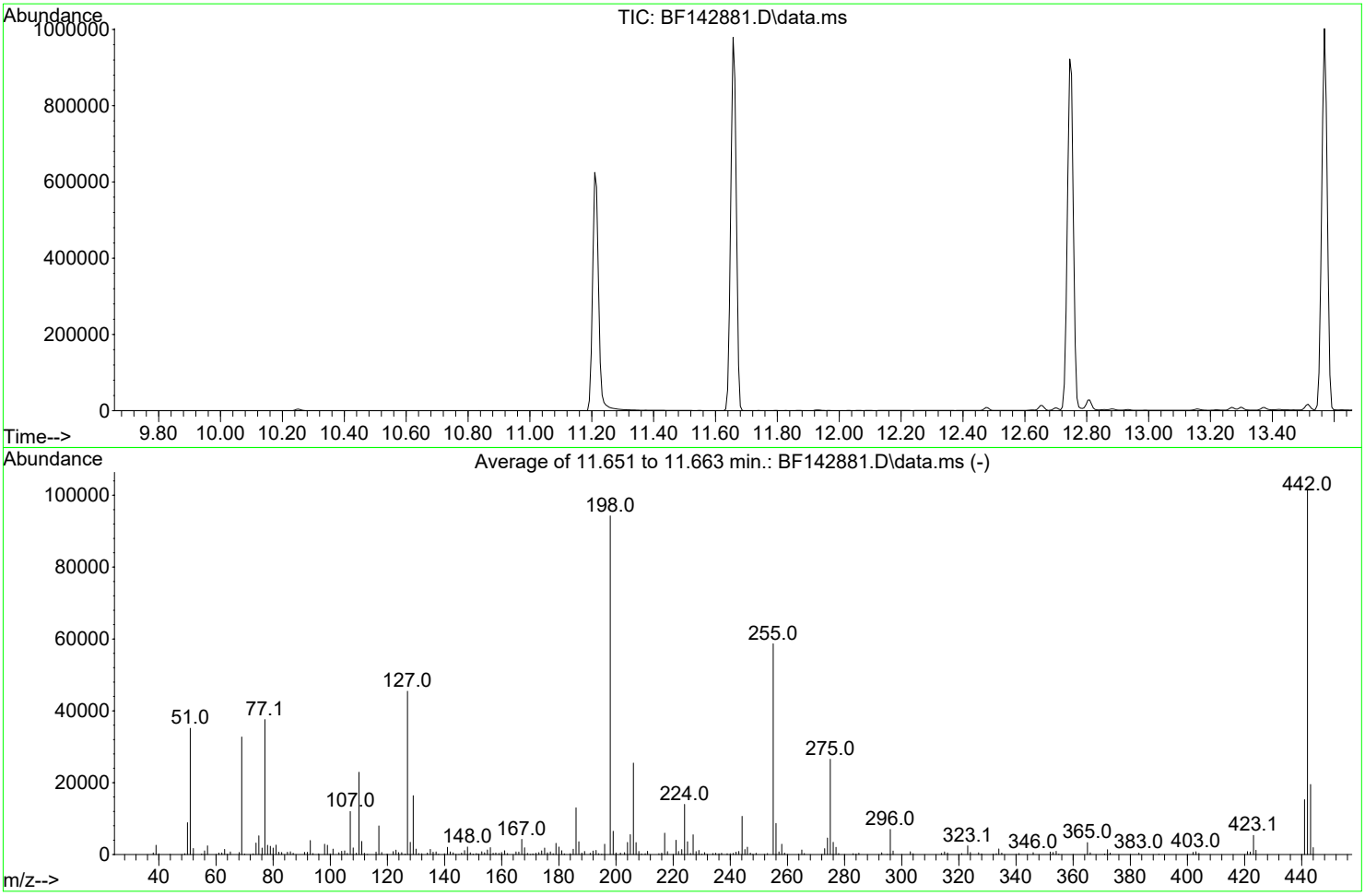
Sample Results: **BF142881.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	593	PASS
69	69	100	100	100.0	32725	PASS
70	69	0.00	2	0.4	117	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	94272	PASS
199	198	5	9	6.9	6501	PASS
365	198	1	100	3.5	3336	PASS
441	443	0.01	150	78.5	15290	PASS
442	442	100	100	100.0	101312	PASS
443	442	15	24	19.2	19487	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/27/2025	BNA_F	BF142881.D
Compound Name	**Response**	**Retention Time**
DDT	257142	13.568
DDD	5962	13.268
DDE	683	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6645	263787	2.52

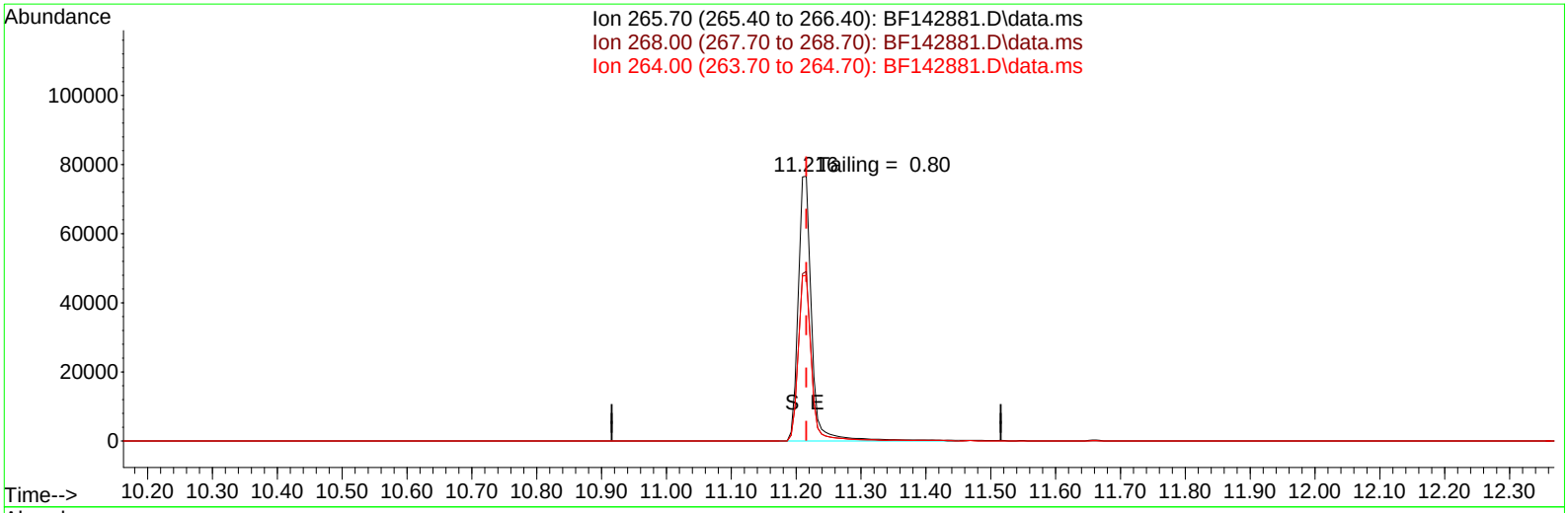
Instrument :
BNA_F
ClientSampleId :
DFTPP

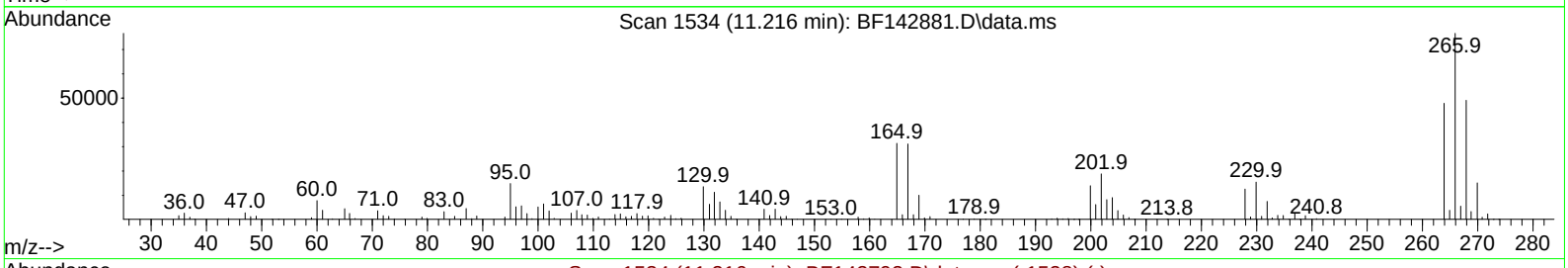
Sample Results: **BF142881.D**

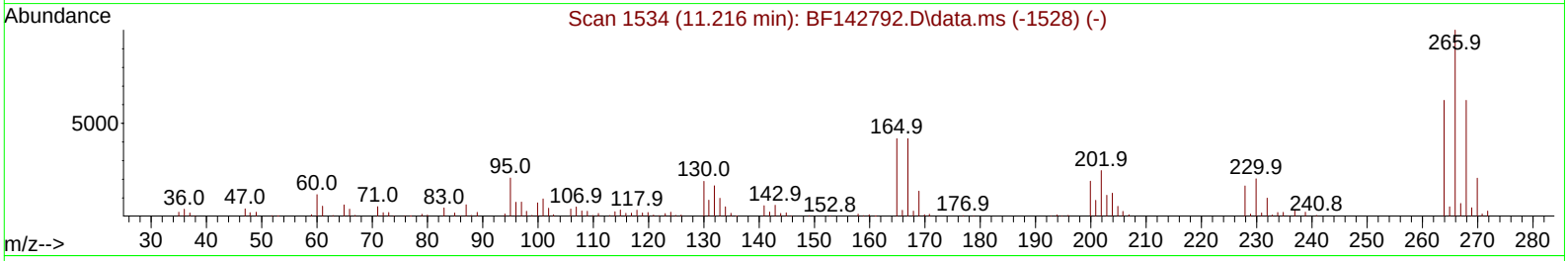
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 27 11:46:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142881.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.000) 30391.06 ng

response 110119

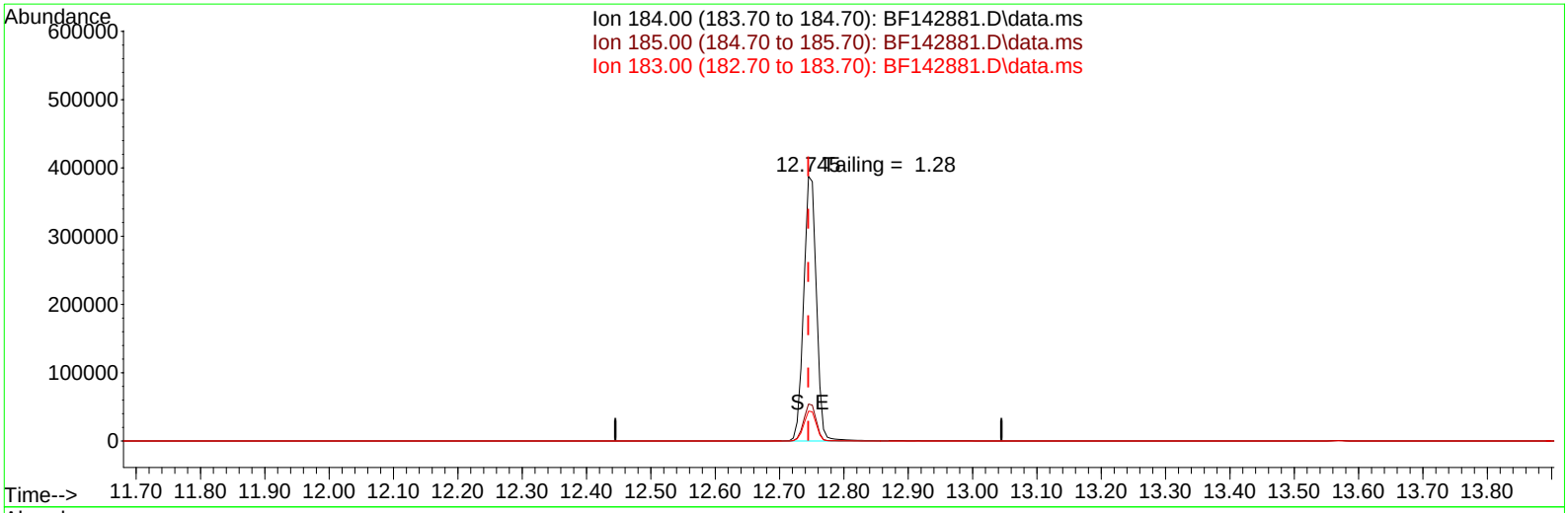
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	64.06
264.00	62.40	62.50
0.00	0.00	0.00

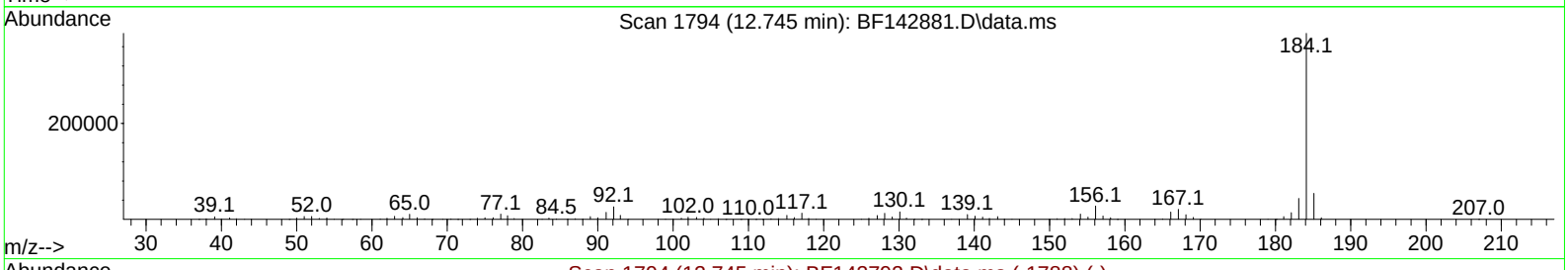
Sample Results: **BF142881.D**

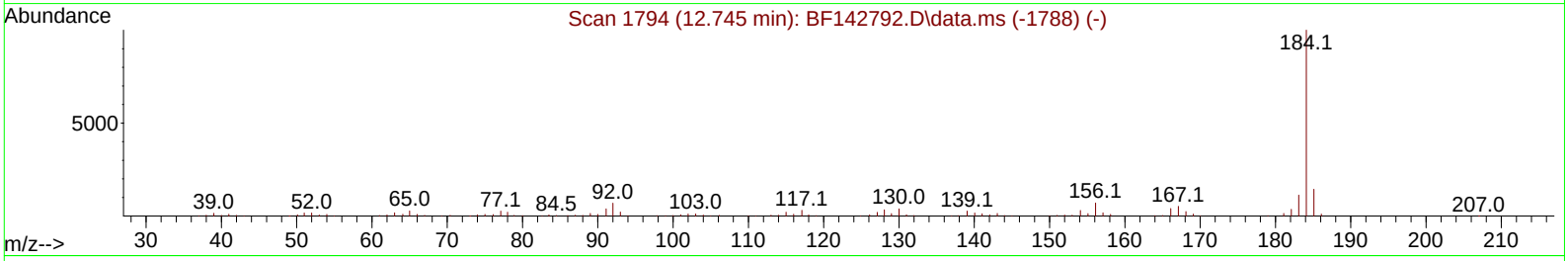
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 27 11:46:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142881.D\data.ms

(77) Benzidine

12.745min (0.000) 0.00 ng

response 535637

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.20	11.30
0.00	0.00	0.00

Raw Data: **BF142860.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	PB168614BL	SDG No.:	Q2409
Lab Sample ID:	PB168614BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142860.D	1	06/25/25 11:10	06/26/25 11:07	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		15 (23) - 110 (138)	79%	SPK: 150
13127-88-3	Phenol-d6	118		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.0		30 (67) - 130 (132)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		30 (52) - 130 (132)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		15 (44) - 110 (137)	84%	SPK: 150
1718-51-0	Terphenyl-d14	70.5		30 (42) - 130 (152)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88200	6.875			
1146-65-2	Naphthalene-d8	340000	8.157			
15067-26-2	Acenaphthene-d10	183000	9.916			
1517-22-2	Phenanthrene-d10	326000	11.404			
1719-03-5	Chrysene-d12	216000	14.051			
1520-96-3	Perylene-d12	170000	15.545			

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

Report of Analysis

Client:	Coppola Services			Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling			Date Received:	
Client Sample ID:	PB168614BL			SDG No.:	Q2409
Lab Sample ID:	PB168614BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142860.D	1	06/25/25 11:10	06/26/25 11:07	PB168614

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\BF062625\
Data File : BF142860.D
Acq On : 26 Jun 2025 11:07
Operator : RC/JU
Sample : PB168614BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Quant Time: Jun 26 11:56:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

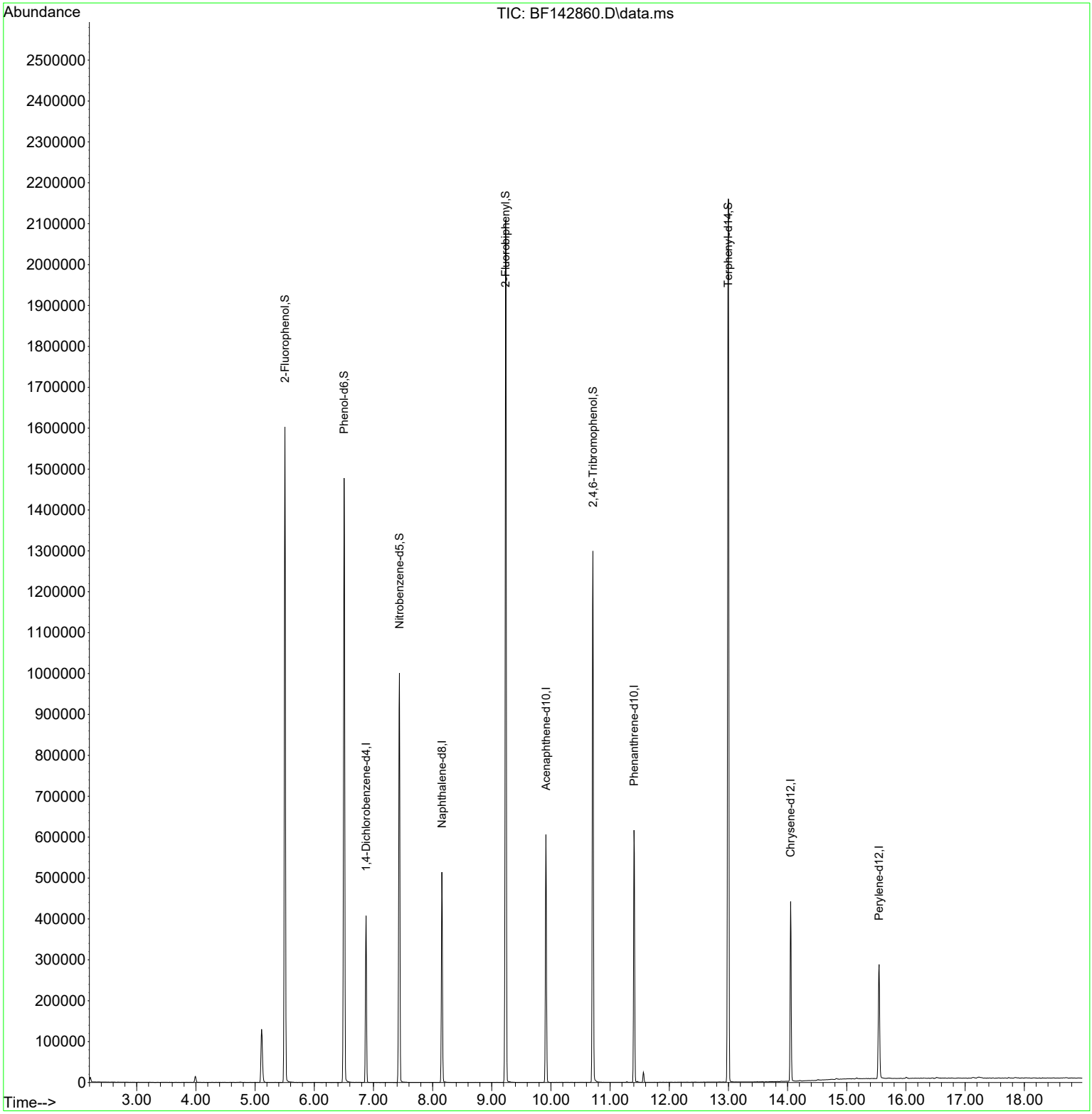
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	88228	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	339552	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	183081	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	326284	20.000	ng	0.00
76) Chrysene-d12	14.051	240	216050	20.000	ng	0.00
86) Perylene-d12	15.545	264	169865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	628510	118.604	ng	0.01
7) Phenol-d6	6.504	99	737474	117.957	ng	0.00
23) Nitrobenzene-d5	7.440	82	464072	74.966	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	236213	125.377	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1013654	72.733	ng	-0.01
79) Terphenyl-d14	12.998	244	1102042	70.479	ng	0.00
Target Compounds						Qvalue

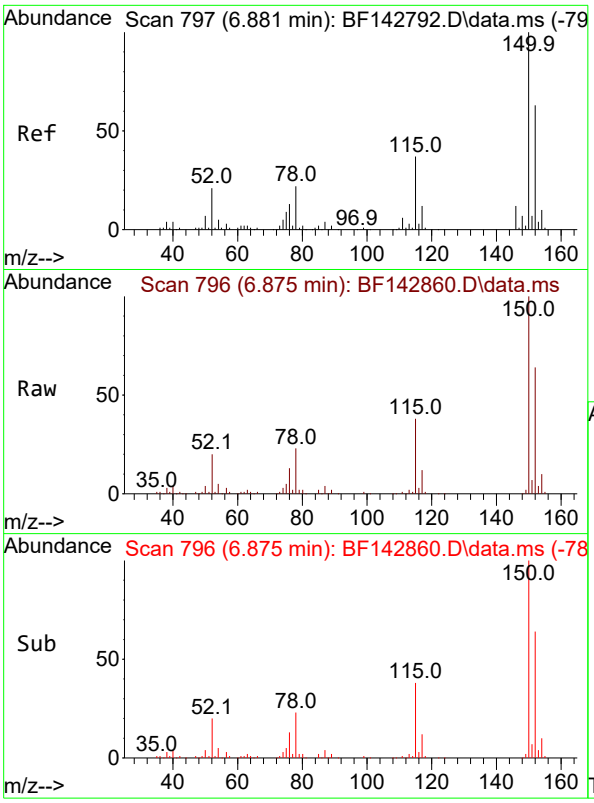
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142860.D
Acq On : 26 Jun 2025 11:07
Operator : RC/JU
Sample : PB168614BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Quant Time: Jun 26 11:56:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



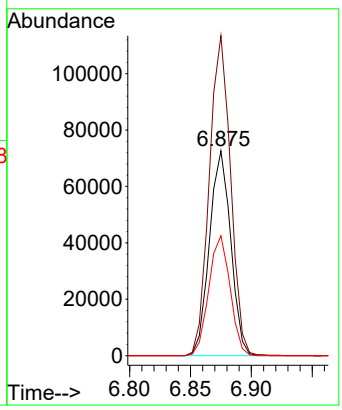


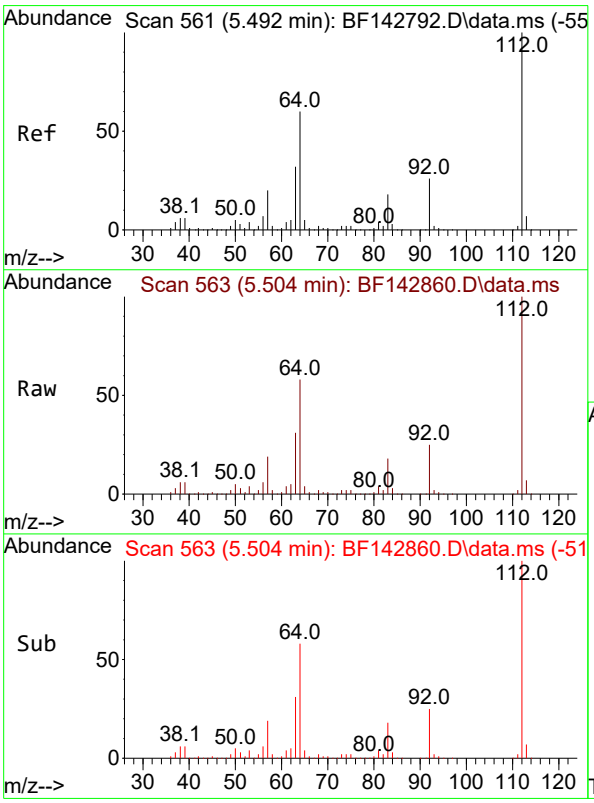
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion:152 Resp: 88228

Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.2	190.8
115	58.6	46.6	69.8

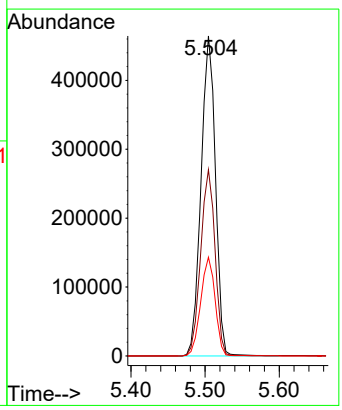


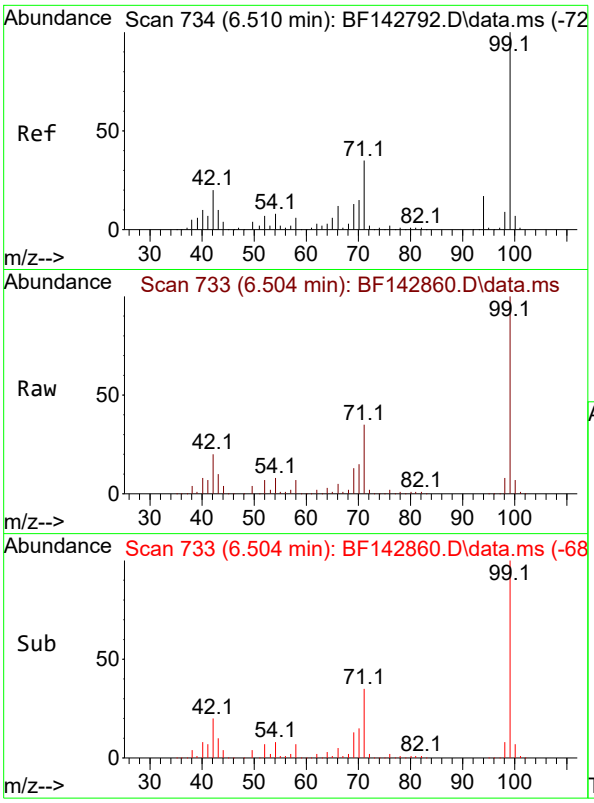


#5
2-Fluorophenol
Concen: 118.604 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:112 Resp: 628510

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	30.9	25.7	38.5



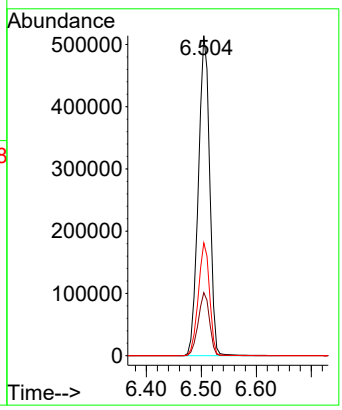


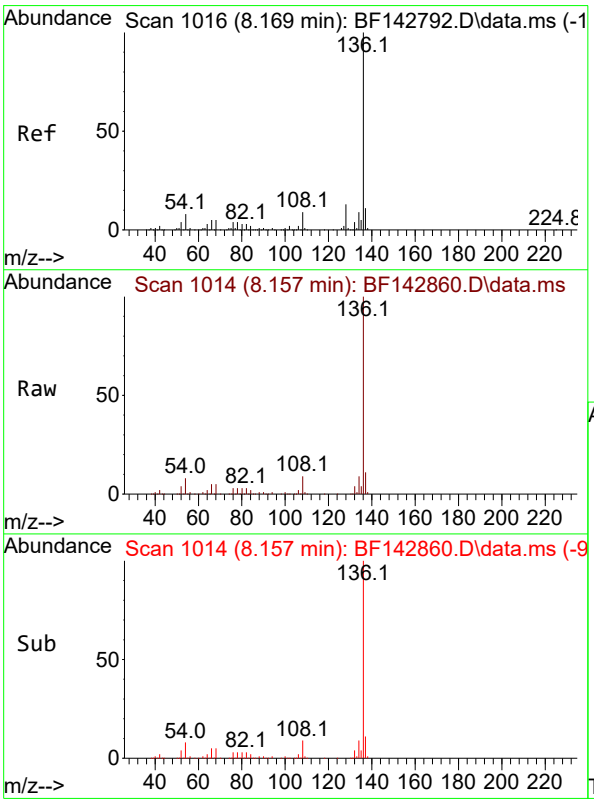
#7
Phenol-d6
Concen: 117.957 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion: 99 Resp: 737474

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.3	27.8	41.8

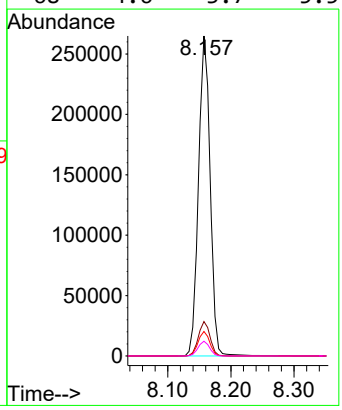


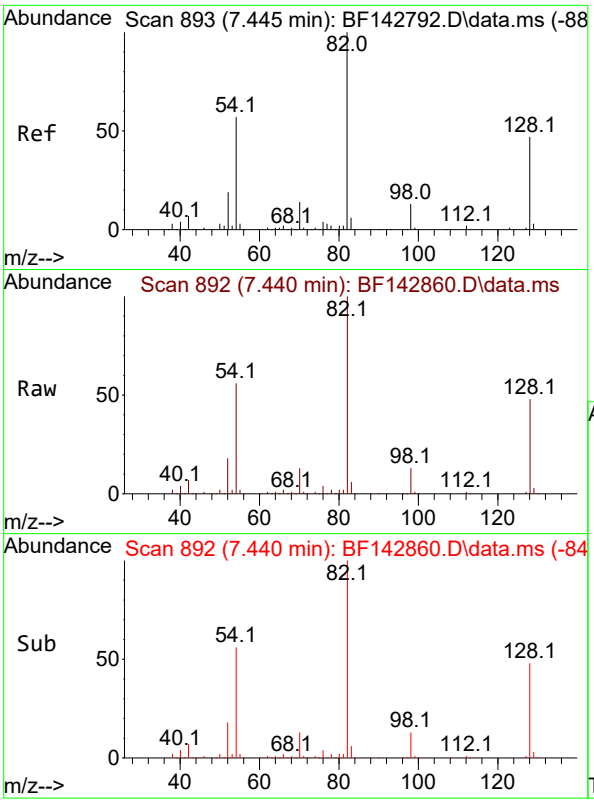


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:136 Resp: 339552

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



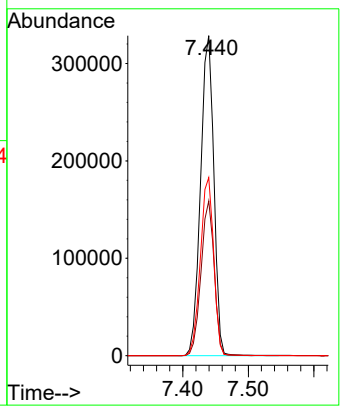


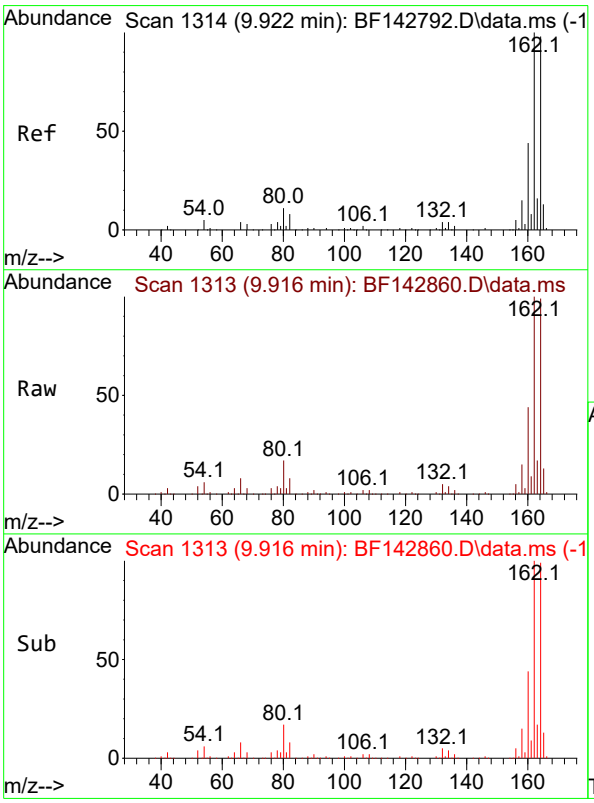
#23
Nitrobenzene-d5
Concen: 74.966 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion: 82 Resp: 464072

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.7	56.5
54	55.6	45.7	68.5

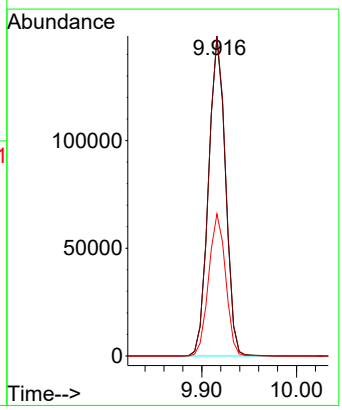


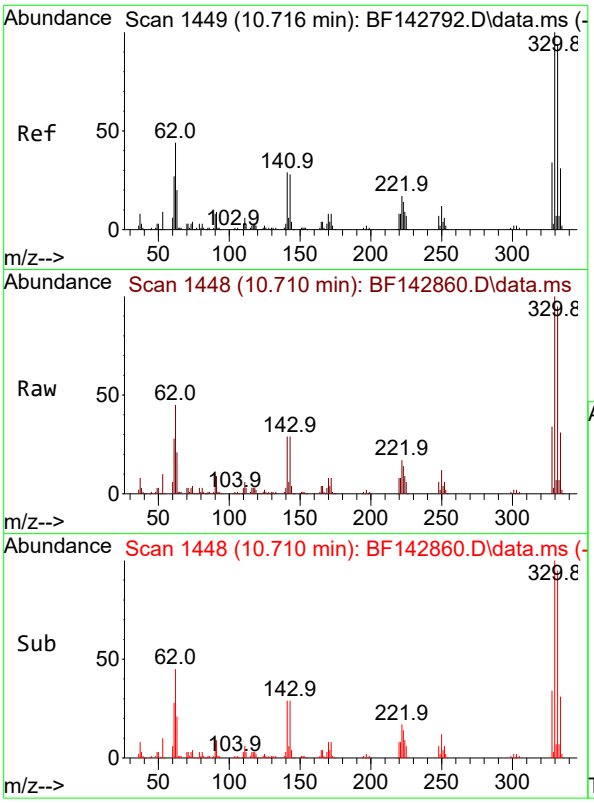


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:164 Resp: 183081

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.8
160	44.6	36.0	54.0



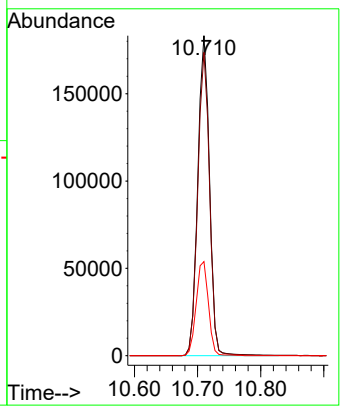


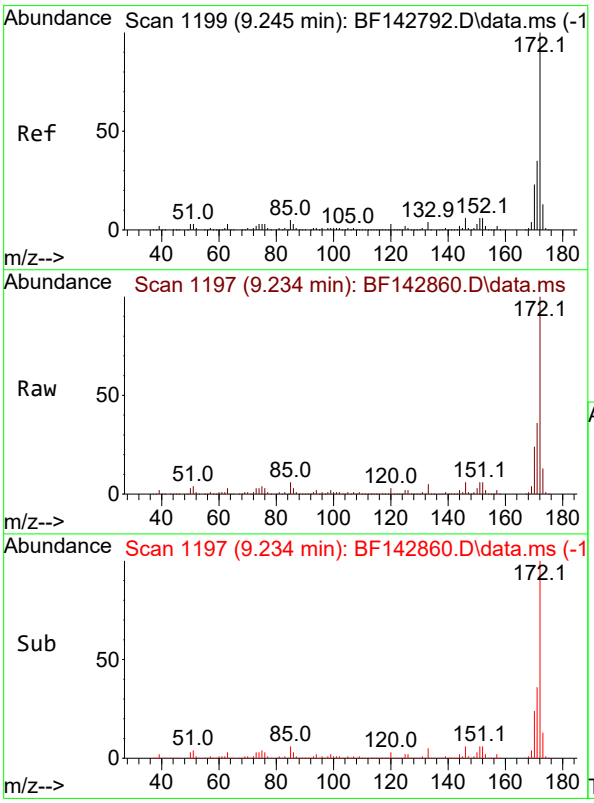
#42
2,4,6-Tribromophenol
Concen: 125.377 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion:330 Resp: 236213

Ion	Ratio	Lower	Upper
330	100		
332	95.2	75.0	112.6
141	30.6	25.3	37.9

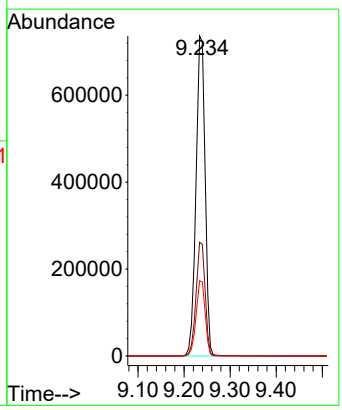


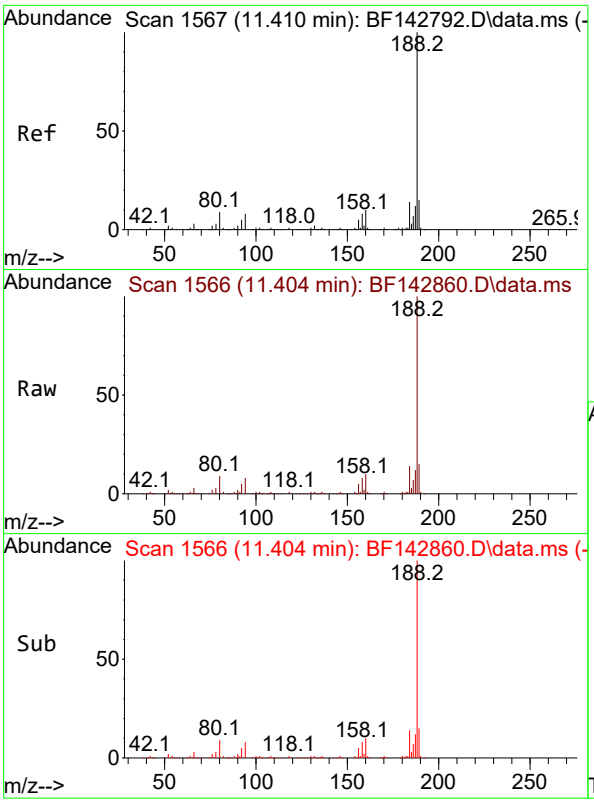


#45
2-Fluorobiphenyl
Concen: 72.733 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:172 Resp: 1013654

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.5	27.7



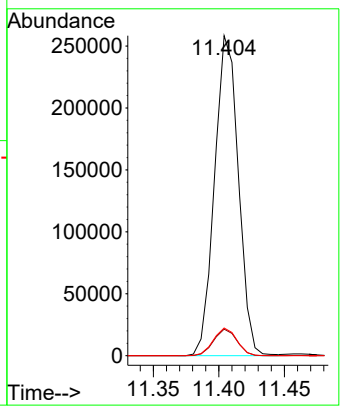


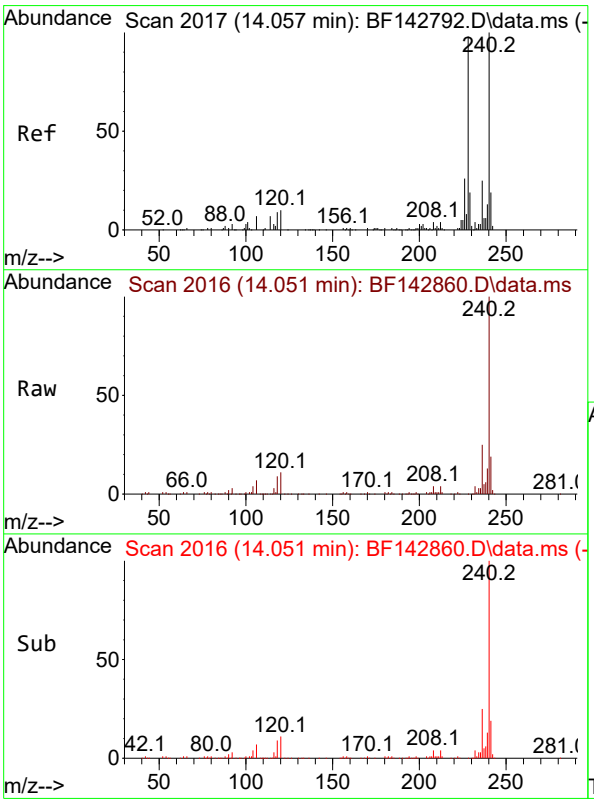
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion:188 Resp: 326284

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.7	6.9	10.3

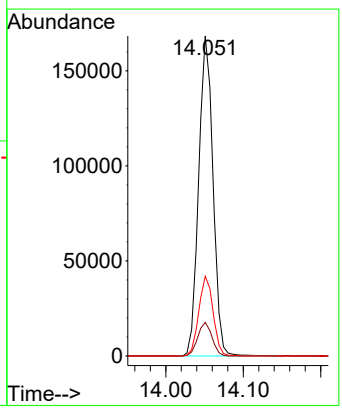


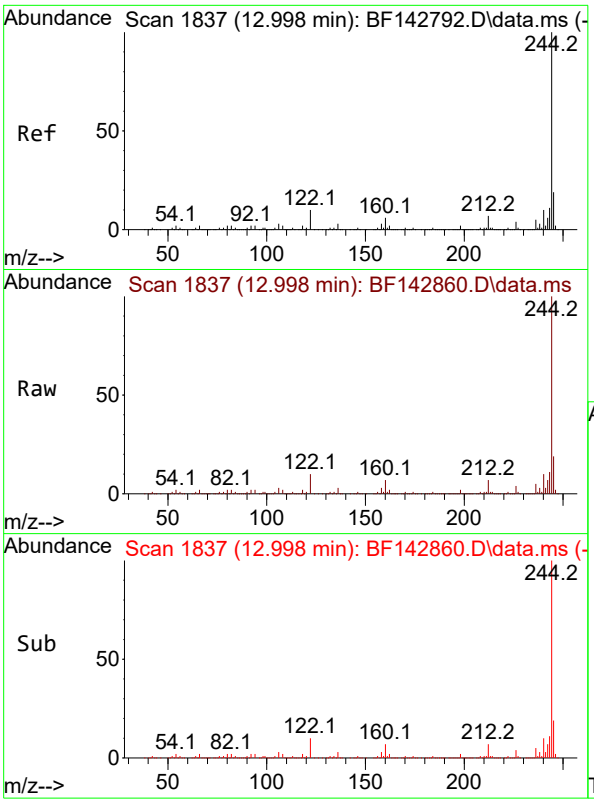


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:240 Resp: 216050

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	24.9	19.8	29.8



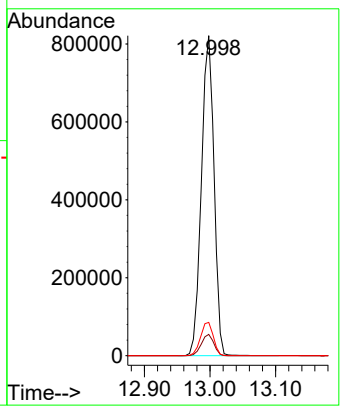


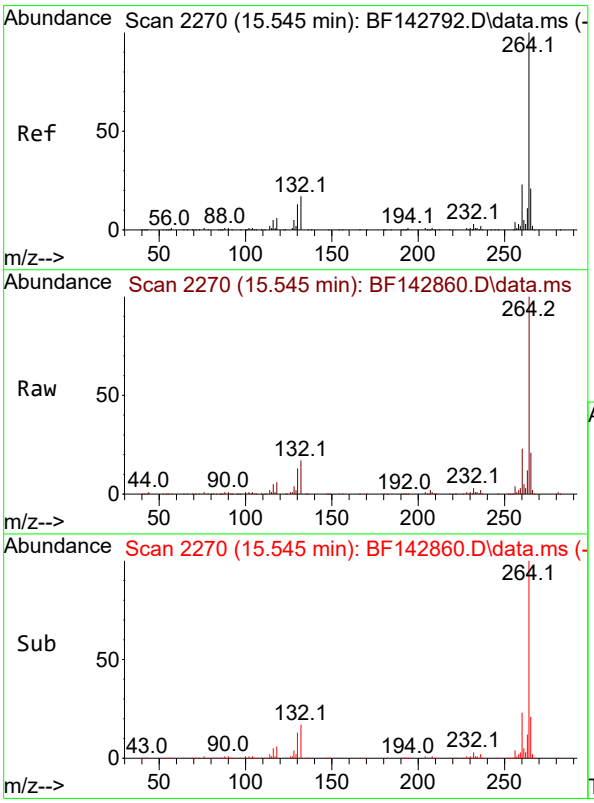
#79
Terphenyl-d14
Concen: 70.479 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Instrument :
BNA_F
ClientSampleId :
PB168614BL

Tgt Ion:244 Resp: 1102042

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.4	8.2	12.2

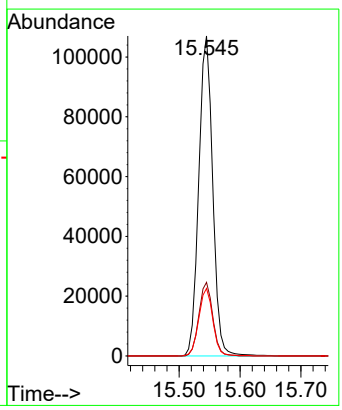




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142860.D
Acq: 26 Jun 2025 11:07

Tgt Ion:264 Resp: 169865

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.1	16.6	25.0



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

Report of Analysis

Client:	Coppola Services	Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	
Client Sample ID:	PB168614BS	SDG No.:	Q2409
Lab Sample ID:	PB168614BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142861.D	1	06/25/25 11:10	06/26/25 11:36	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.4		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.1		0.53	5.00	ug/L
95-48-7	2-Methylphenol	44.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	44.5		1.10	10.0	ug/L
67-72-1	Hexachloroethane	43.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.4		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.4		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	43.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.8		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.3		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	43.6		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	98.5	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (23) - 110 (138)	88%	SPK: 150
13127-88-3	Phenol-d6	135		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.5		30 (67) - 130 (132)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.3		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		15 (44) - 110 (137)	98%	SPK: 150
1718-51-0	Terphenyl-d14	86.7		30 (42) - 130 (152)	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87000	6.875			
1146-65-2	Naphthalene-d8	334000	8.163			
15067-26-2	Acenaphthene-d10	184000	9.921			
1517-22-2	Phenanthrene-d10	326000	11.41			
1719-03-5	Chrysene-d12	190000	14.057			
1520-96-3	Perylene-d12	168000	15.545			

Raw Data: **BF142861.D**

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

Report of Analysis

Client:	Coppola Services			Date Collected:	
Project:	Millville Sewage Treatment Plant - Field Sampling			Date Received:	
Client Sample ID:	PB168614BS			SDG No.:	Q2409
Lab Sample ID:	PB168614BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142861.D	1	06/25/25 11:10	06/26/25 11:36	PB168614

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: **BF142861.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142861.D
Acq On : 26 Jun 2025 11:36
Operator : RC/JU
Sample : PB168614BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:15:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168614BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli
06/27/2025
Supervised By :Jagrut Upadhyay
06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	87019	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	334350	20.000	ng		0.00
39) Acenaphthene-d10	9.921	164	184301	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	326170	20.000	ng		0.00
76) Chrysene-d12	14.057	240	189685	20.000	ng		0.00
86) Perylene-d12	15.545	264	167960	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	691310	132.268	ng		0.02
7) Phenol-d6	6.510	99	833635	135.191	ng		0.00
23) Nitrobenzene-d5	7.439	82	521180	85.501	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	279083	147.150	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	1126344	80.284	ng		0.00
79) Terphenyl-d14	12.998	244	1190114	86.690	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.740	88	73603	35.208	ng		99
3) Pyridine	3.492	79	201367	38.423	ng		98
4) n-Nitrosodimethylamine	3.451	42	114527	42.259	ng		99
6) Aniline	6.539	93	252617	30.789	ng	#	85
8) 2-Chlorophenol	6.663	128	253081	44.888	ng		97
9) Benzaldehyde	6.428	77	59658	16.307	ng		100
10) Phenol	6.528	94	288719	42.122	ng		84
11) bis(2-Chloroethyl)ether	6.610	93	218137	44.528	ng		98
12) 1,3-Dichlorobenzene	6.816	146	269582	42.754	ng		100
13) 1,4-Dichlorobenzene	6.892	146	274433	43.138	ng		100
14) 1,2-Dichlorobenzene	7.045	146	262937	43.576	ng		99
15) Benzyl Alcohol	7.022	79	199809	44.822	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	332752	42.277	ng		95
17) 2-Methylphenol	7.133	107	189570	44.369	ng		97
18) Hexachloroethane	7.386	117	96150	43.211	ng		97
19) n-Nitroso-di-n-propyla...	7.292	70	161033	44.901	ng		98
20) 3+4-Methylphenols	7.286	107	236902	44.471	ng		97
22) Acetophenone	7.286	105	328252	44.521	ng		98
24) Nitrobenzene	7.463	77	239198	43.356	ng		97
25) Isophorone	7.698	82	434502	44.435	ng		100
26) 2-Nitrophenol	7.775	139	138627	46.126	ng		99
27) 2,4-Dimethylphenol	7.816	122	227727	43.744	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	275052	44.245	ng		100
29) 2,4-Dichlorophenol	8.022	162	210877	44.675	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	226774	43.690	ng		100
31) Naphthalene	8.180	128	718796	43.920	ng		100
32) Benzoic acid	7.945	122	134846	50.821	ng		100
33) 4-Chloroaniline	8.233	127	139524	20.966	ng		98
34) Hexachlorobutadiene	8.298	225	141010	44.414	ng		99
35) Caprolactam	8.610	113	67933m	54.539	ng		
36) 4-Chloro-3-methylphenol	8.716	107	218210	46.515	ng		99
37) 2-Methylnaphthalene	8.874	142	452518	44.600	ng		100
38) 1-Methylnaphthalene	8.974	142	469555	44.706	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	228883	42.089	ng		98
41) Hexachlorocyclopentadiene	9.027	237	277718	89.992	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	155483	43.877	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142861.D
Acq On : 26 Jun 2025 11:36
Operator : RC/JU
Sample : PB168614BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:15:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168614BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
06/27/2025

Supervised By :Jagrut Upadhyay
06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	159767	42.830	ng	99
46) 1,1'-Biphenyl	9.339	154	614169	42.186	ng	100
47) 2-Chloronaphthalene	9.369	162	460263	42.128	ng	100
48) 2-Nitroaniline	9.463	65	137940	45.035	ng	97
49) Acenaphthylene	9.780	152	769347	42.776	ng	100
50) Dimethylphthalate	9.645	163	545646	45.738	ng	100
51) 2,6-Dinitrotoluene	9.704	165	121891	46.525	ng	99
52) Acenaphthene	9.957	154	539450m	49.160	ng	
53) 3-Nitroaniline	9.874	138	84681	29.357	ng	98
54) 2,4-Dinitrophenol	9.986	184	155712	118.697	ng	97
55) Dibenzofuran	10.127	168	678318	43.108	ng	99
56) 4-Nitrophenol	10.045	139	201806	102.192	ng	98
57) 2,4-Dinitrotoluene	10.116	165	171701	49.339	ng	94
58) Fluorene	10.469	166	539266	43.881	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	137769	45.819	ng	97
60) Diethylphthalate	10.345	149	557848	47.691	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	260169	44.366	ng	99
62) 4-Nitroaniline	10.498	138	134161	50.855	ng	98
63) Azobenzene	10.621	77	462664	44.256	ng	99
65) 4,6-Dinitro-2-methylph...	10.527	198	99956	50.665	ng	98
66) n-Nitrosodiphenylamine	10.580	169	479613	42.428	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	161540	43.517	ng	97
68) Hexachlorobenzene	11.021	284	179668	43.558	ng	98
69) Atrazine	11.110	200	151001	51.728	ng	99
70) Pentachlorophenol	11.216	266	202457	98.501	ng	98
71) Phenanthrene	11.433	178	780620	44.181	ng	99
72) Anthracene	11.486	178	799654	44.129	ng	100
73) Carbazole	11.639	167	729365	46.642	ng	100
74) Di-n-butylphthalate	11.968	149	861883	52.908	ng	100
75) Fluoranthene	12.627	202	801546	47.801	ng	100
77) Benzidine	12.745	184	286817	40.246	ng	99
78) Pyrene	12.857	202	804318	45.237	ng	99
80) Butylbenzylphthalate	13.468	149	283530	54.975	ng	97
81) Benzo(a)anthracene	14.045	228	583116	45.569	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	109000	26.262	ng	99
83) Chrysene	14.080	228	523230	45.823	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	322639	43.480	ng	99
85) Di-n-octyl phthalate	14.639	149	503190	35.962	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	558171	43.630	ng	99
88) Benzo(b)fluoranthene	15.109	252	468473	48.202	ng	100
89) Benzo(k)fluoranthene	15.139	252	428329	47.106	ng	99
90) Benzo(a)pyrene	15.480	252	435803	46.416	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	452809	43.561	ng	99
92) Benzo(g,h,i)perylene	17.515	276	452739	43.678	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142861.D
Acq On : 26 Jun 2025 11:36
Operator : RC/JU
Sample : PB168614BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

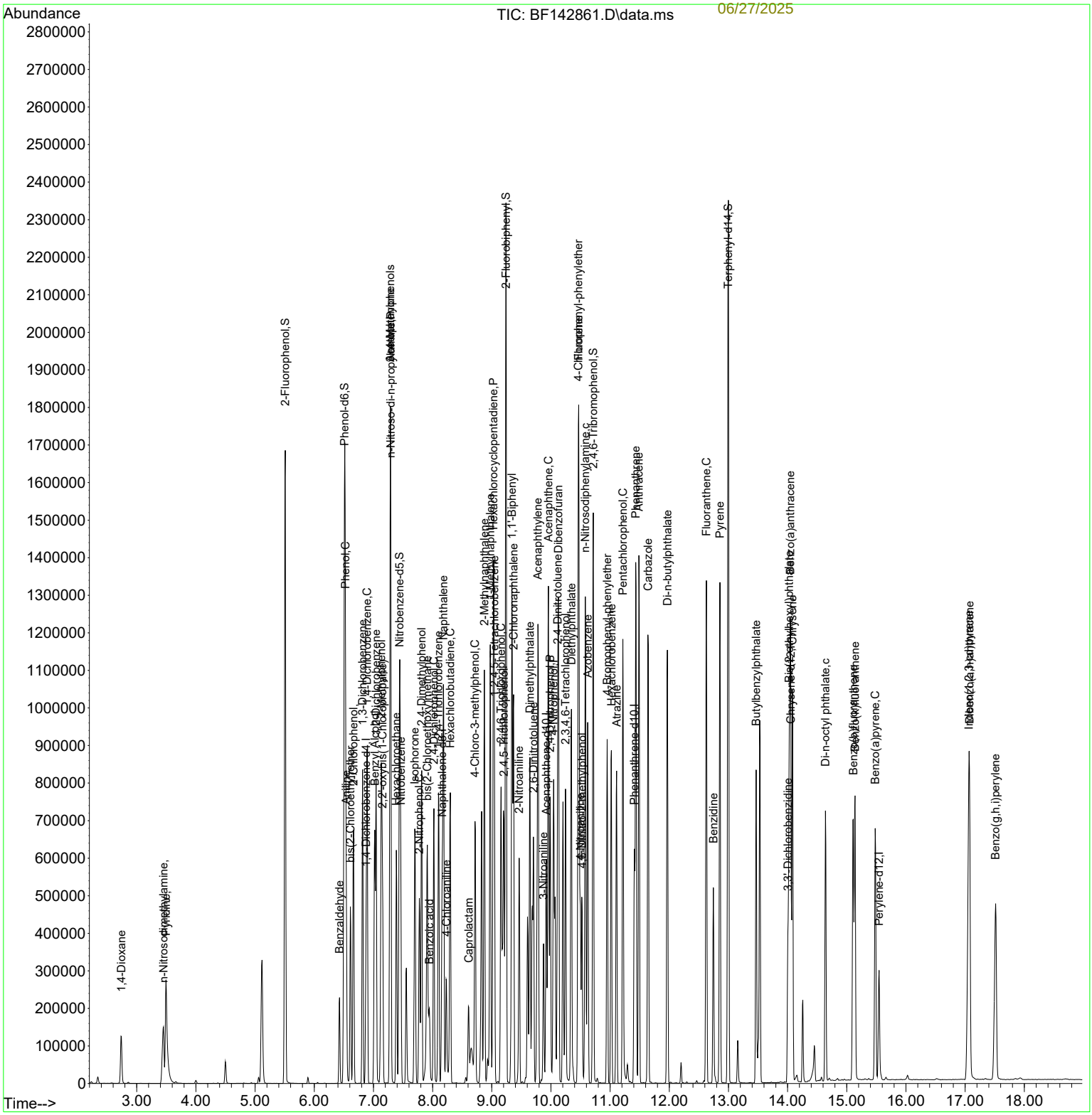
Quant Time: Jun 26 12:15:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168614BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
06/27/2025

Supervised By :Jagrut Upadhyay
06/27/2025



Raw Data: **BF142846.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/20/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/20/25
Client Sample ID:	SU-1-062025MS	SDG No.:	Q2409
Lab Sample ID:	Q2386-02MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142846.D	1	06/25/25 11:10	06/25/25 19:37	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	270		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	380		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	390		11.0	100	ug/L
67-72-1	Hexachloroethane	360		6.50	50.0	ug/L
98-95-3	Nitrobenzene	390		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	380		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	430		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	420		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	400		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	460		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	860	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	104		15 (23) - 110 (138)	69%	SPK: 150
13127-88-3	Phenol-d6	97.1		15 (10) - 110 (134)	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.4		30 (67) - 130 (132)	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.3		30 (52) - 130 (132)	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		15 (44) - 110 (137)	69%	SPK: 150
1718-51-0	Terphenyl-d14	47.3		30 (42) - 130 (152)	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84800	6.881			
1146-65-2	Naphthalene-d8	319000	8.163			
15067-26-2	Acenaphthene-d10	153000	9.922			
1517-22-2	Phenanthrene-d10	200000	11.41			
1719-03-5	Chrysene-d12	167000	14.057			
1520-96-3	Perylene-d12	194000	15.545			

Raw Data: **BF142846.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/20/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/20/25
Client Sample ID:	SU-1-062025MS	SDG No.:	Q2409
Lab Sample ID:	Q2386-02MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142846.D	1	06/25/25 11:10	06/25/25 19:37	PB168614

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\BF062525\
Data File : BF142846.D
Acq On : 25 Jun 2025 19:37
Operator : RC/JU
Sample : Q2386-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MS

Quant Time: Jun 26 01:19:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	84825	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	319246	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	153127	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	199589	20.000	ng		0.00
76) Chrysene-d12	14.057	240	167157	20.000	ng		0.00
86) Perylene-d12	15.545	264	193910	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	527906	103.616	ng		0.02
7) Phenol-d6	6.510	99	583845	97.131	ng		0.00
23) Nitrobenzene-d5	7.445	82	421666	72.448	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	162234	102.955	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	877910	75.316	ng		0.00
79) Terphenyl-d14	12.992	244	572296	47.305	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	62072	30.460	ng	#	82
3) Pyridine	3.534	79	138334	27.078	ng		99
4) n-Nitrosodimethylamine	3.469	42	99633	37.714	ng		97
6) Aniline	6.540	93	94620	11.830	ng	#	56
8) 2-Chlorophenol	6.663	128	211622	38.506	ng		99
9) Benzaldehyde	6.428	77	63697	17.862	ng		98
10) Phenol	6.528	94	216716	32.435	ng		99
11) bis(2-Chloroethyl)ether	6.616	93	190846	39.964	ng		97
12) 1,3-Dichlorobenzene	6.822	146	218373	35.528	ng		99
13) 1,4-Dichlorobenzene	6.898	146	222461	35.873	ng		99
14) 1,2-Dichlorobenzene	7.045	146	216307	36.775	ng		99
15) Benzyl Alcohol	7.022	79	174537	40.165	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	285932	37.268	ng		93
17) 2-Methylphenol	7.134	107	159065	38.192	ng		99
18) Hexachloroethane	7.392	117	78117	36.014	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	141027	40.340	ng		98
20) 3+4-Methylphenols	7.287	107	201193	38.744	ng		92
22) Acetophenone	7.287	105	285224	40.515	ng		98
24) Nitrobenzene	7.463	77	206949	39.285	ng		98
25) Isophorone	7.698	82	374711	40.134	ng		100
26) 2-Nitrophenol	7.775	139	116059	40.444	ng		97
27) 2,4-Dimethylphenol	7.816	122	196444	39.520	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	238993	40.263	ng		99
29) 2,4-Dichlorophenol	8.022	162	180025	39.943	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	192442	38.830	ng		99
31) Naphthalene	8.187	128	613693	39.272	ng		100
32) Benzoic acid	7.928	122	91041	35.935	ng		99
33) 4-Chloroaniline	8.234	127	52674	8.290	ng		98
34) Hexachlorobutadiene	8.298	225	115989	38.261	ng		99
35) Caprolactam	8.598	113	39299	33.044	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	173743	38.788	ng		100
37) 2-Methylnaphthalene	8.875	142	386822	39.928	ng		99
38) 1-Methylnaphthalene	8.975	142	400689	39.954	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	194917	43.140	ng		99
41) Hexachlorocyclopentadiene	9.028	237	198872	77.562	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	125637	42.672	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142846.D
Acq On : 25 Jun 2025 19:37
Operator : RC/JU
Sample : Q2386-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MS

Quant Time: Jun 26 01:19:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

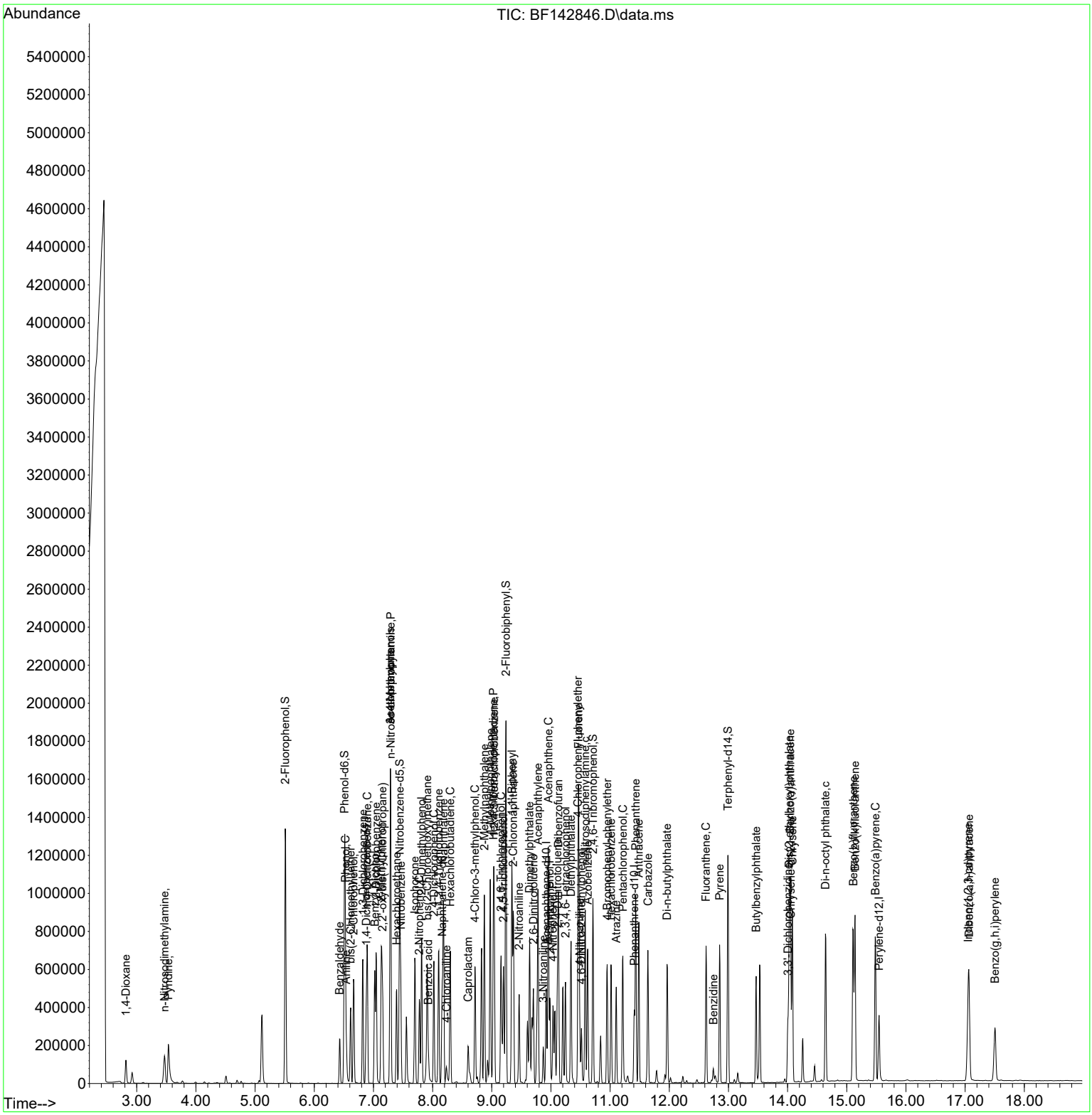
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	130600	42.138	ng	99
46) 1,1'-Biphenyl	9.339	154	523522	43.280	ng	100
47) 2-Chloronaphthalene	9.363	162	387835	42.726	ng	100
48) 2-Nitroaniline	9.463	65	104914	41.226	ng	98
49) Acenaphthylene	9.781	152	627771	42.010	ng	99
50) Dimethylphthalate	9.639	163	454797	45.884	ng	100
51) 2,6-Dinitrotoluene	9.704	165	90967	41.790	ng	98
52) Acenaphthene	9.957	154	465672	51.076	ng	100
53) 3-Nitroaniline	9.869	138	43224	18.035	ng	100
54) 2,4-Dinitrophenol	9.981	184	86869	79.700	ng	99
55) Dibenzofuran	10.128	168	565410	43.247	ng	99
56) 4-Nitrophenol	10.033	139	99355	60.555	ng	98
57) 2,4-Dinitrotoluene	10.110	165	116213	40.193	ng	98
58) Fluorene	10.469	166	445873	43.668	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97254	38.929	ng	96
60) Diethylphthalate	10.339	149	399536	41.111	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	196132	40.255	ng	98
62) 4-Nitroaniline	10.486	138	74446	33.964	ng	96
63) Azobenzene	10.622	77	340871	39.244	ng	97
65) 4,6-Dinitro-2-methylph...	10.516	198	53672	44.458	ng	94
66) n-Nitrosodiphenylamine	10.580	169	338125	48.881	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	111816	49.225	ng	98
68) Hexachlorobenzene	11.016	284	117094	46.392	ng	98
69) Atrazine	11.104	200	83896	46.967	ng	99
70) Pentachlorophenol	11.216	266	108315	86.120	ng	98
71) Phenanthrene	11.433	178	530012	49.022	ng	99
72) Anthracene	11.486	178	479098	43.207	ng	100
73) Carbazole	11.639	167	402625	42.077	ng	100
74) Di-n-butylphthalate	11.963	149	468710	47.020	ng	100
75) Fluoranthene	12.622	202	424565	41.377	ng	100
77) Benzidine	12.745	184	44523	7.089	ng	99
78) Pyrene	12.851	202	421762	26.918	ng	99
80) Butylbenzylphthalate	13.469	149	190044	41.814	ng	96
81) Benzo(a)anthracene	14.045	228	490466	43.494	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	91005	24.881	ng	100
83) Chrysene	14.080	228	445251	44.249	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	293202	44.838	ng	99
85) Di-n-octyl phthalate	14.639	149	563926	45.734	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	359693	24.353	ng	99
88) Benzo(b)fluoranthene	15.110	252	532234	47.434	ng	99
89) Benzo(k)fluoranthene	15.139	252	492400	46.906	ng	99
90) Benzo(a)pyrene	15.486	252	487980	45.018	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	295257	24.603	ng	98
92) Benzo(g,h,i)perylene	17.504	276	257767	21.540	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142846.D
Acq On : 25 Jun 2025 19:37
Operator : RC/JU
Sample : Q2386-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MS

Quant Time: Jun 26 01:19:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Raw Data: **BF142847.D**

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/20/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/20/25
Client Sample ID:	SU-1-062025MSD	SDG No.:	Q2409
Lab Sample ID:	Q2386-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142847.D	1	06/25/25 11:10	06/25/25 20:07	PB168614

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	280		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	370		5.30	50.0	ug/L
95-48-7	2-Methylphenol	400		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.0	100	ug/L
67-72-1	Hexachloroethane	370		6.50	50.0	ug/L
98-95-3	Nitrobenzene	410		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	400		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	440		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	440		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	410		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	900	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	108		15 (23) - 110 (138)	72%	SPK: 150
13127-88-3	Phenol-d6	101		15 (10) - 110 (134)	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.0		30 (67) - 130 (132)	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.0		30 (52) - 130 (132)	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	104		15 (44) - 110 (137)	69%	SPK: 150
1718-51-0	Terphenyl-d14	49.2		30 (42) - 130 (152)	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	83000	6.881			
1146-65-2	Naphthalene-d8	311000	8.163			
15067-26-2	Acenaphthene-d10	150000	9.922			
1517-22-2	Phenanthrene-d10	189000	11.41			
1719-03-5	Chrysene-d12	161000	14.057			
1520-96-3	Perylene-d12	188000	15.545			

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

Report of Analysis

Client:	Coppola Services	Date Collected:	06/20/25
Project:	Millville Sewage Treatment Plant - Field Sampling	Date Received:	06/20/25
Client Sample ID:	SU-1-062025MSD	SDG No.:	Q2409
Lab Sample ID:	Q2386-02MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142847.D	1	06/25/25 11:10	06/25/25 20:07	PB168614

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\BF062525\
Data File : BF142847.D
Acq On : 25 Jun 2025 20:07
Operator : RC/JU
Sample : Q2386-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MSD

Quant Time: Jun 26 01:20:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	82970	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	310770	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	150165	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	189094	20.000	ng		0.00
76) Chrysene-d12	14.057	240	160851	20.000	ng		0.00
86) Perylene-d12	15.545	264	187947	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	538998	108.158	ng		0.02
7) Phenol-d6	6.510	99	591511	100.607	ng		0.00
23) Nitrobenzene-d5	7.445	82	424869	74.989	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	160712	104.000	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	880680	77.044	ng		0.00
79) Terphenyl-d14	12.992	244	572626	49.188	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	63133	31.674	ng	#	83
3) Pyridine	3.534	79	141053	28.228	ng		100
4) n-Nitrosodimethylamine	3.469	42	99895	38.659	ng		98
6) Aniline	6.540	93	92127	11.776	ng	#	52
8) 2-Chlorophenol	6.663	128	214243	39.854	ng		99
9) Benzaldehyde	6.428	77	61350	17.588	ng		99
10) Phenol	6.528	94	220340	33.715	ng		99
11) bis(2-Chloroethyl)ether	6.616	93	197059	42.188	ng		96
12) 1,3-Dichlorobenzene	6.822	146	223267	37.137	ng		99
13) 1,4-Dichlorobenzene	6.898	146	224093	36.944	ng		99
14) 1,2-Dichlorobenzene	7.045	146	216818	37.686	ng		98
15) Benzyl Alcohol	7.022	79	177349	41.725	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	291017	38.779	ng		92
17) 2-Methylphenol	7.134	107	164219	40.311	ng		98
18) Hexachloroethane	7.392	117	78463	36.983	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	141947	41.511	ng		98
20) 3+4-Methylphenols	7.287	107	203073	39.981	ng		91
22) Acetophenone	7.287	105	284980	41.584	ng		99
24) Nitrobenzene	7.463	77	208020	40.565	ng		97
25) Isophorone	7.698	82	377210	41.503	ng		100
26) 2-Nitrophenol	7.781	139	119491	42.776	ng		98
27) 2,4-Dimethylphenol	7.816	122	200094	41.353	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	241876	41.860	ng		100
29) 2,4-Dichlorophenol	8.022	162	183851	41.905	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	194118	40.237	ng		99
31) Naphthalene	8.187	128	627508	41.252	ng		100
32) Benzoic acid	7.928	122	95081	38.553	ng		96
33) 4-Chloroaniline	8.234	127	48724	7.877	ng		98
34) Hexachlorobutadiene	8.298	225	117109	39.684	ng		99
35) Caprolactam	8.604	113	38380	33.151	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	174889	40.109	ng		98
37) 2-Methylnaphthalene	8.875	142	389348	41.285	ng		100
38) 1-Methylnaphthalene	8.975	142	409247	41.920	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	199005	44.913	ng		99
41) Hexachlorocyclopentadiene	9.028	237	204072	81.160	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	127725	44.237	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142847.D
Acq On : 25 Jun 2025 20:07
Operator : RC/JU
Sample : Q2386-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MSD

Quant Time: Jun 26 01:20:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

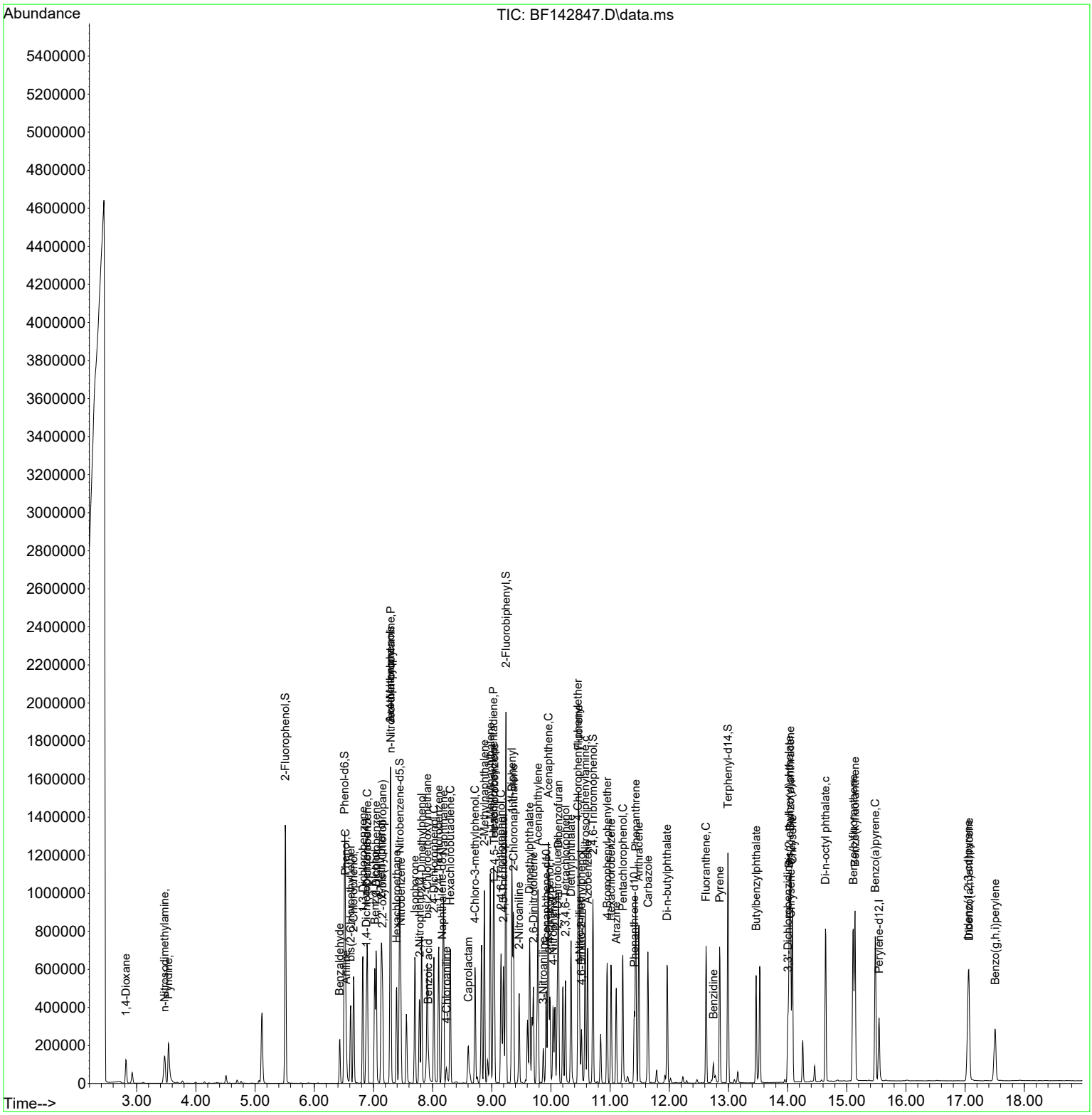
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	132583	43.622	ng	100
46) 1,1'-Biphenyl	9.339	154	521779	43.987	ng	100
47) 2-Chloronaphthalene	9.369	162	387711	43.555	ng	100
48) 2-Nitroaniline	9.463	65	103438	41.447	ng	95
49) Acenaphthylene	9.781	152	623749	42.565	ng	99
50) Dimethylphthalate	9.639	163	456303	46.944	ng	100
51) 2,6-Dinitrotoluene	9.704	165	91799	43.004	ng	97
52) Acenaphthene	9.957	154	470004	52.568	ng	100
53) 3-Nitroaniline	9.869	138	41204	17.532	ng	97
54) 2,4-Dinitrophenol	9.980	184	89582	83.811	ng	99
55) Dibenzofuran	10.128	168	564490	44.029	ng	99
56) 4-Nitrophenol	10.039	139	96494	59.971	ng	98
57) 2,4-Dinitrotoluene	10.110	165	115569	40.758	ng	98
58) Fluorene	10.469	166	445318	44.474	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97343	39.733	ng	96
60) Diethylphthalate	10.339	149	400180	41.989	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	198109	41.462	ng	98
62) 4-Nitroaniline	10.486	138	73589	34.236	ng	97
63) Azobenzene	10.622	77	342327	40.189	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	53440	46.723	ng	95
66) n-Nitrosodiphenylamine	10.580	169	335807	51.241	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112246	52.157	ng	97
68) Hexachlorobenzene	11.016	284	119119	49.813	ng	97
69) Atrazine	11.104	200	82774	48.911	ng	99
70) Pentachlorophenol	11.216	266	106791	89.621	ng	98
71) Phenanthrene	11.433	178	524130	51.169	ng	100
72) Anthracene	11.486	178	469179	44.661	ng	100
73) Carbazole	11.639	167	395076	43.579	ng	100
74) Di-n-butylphthalate	11.963	149	469173	49.679	ng	100
75) Fluoranthene	12.621	202	423876	43.603	ng	99
77) Benzidine	12.745	184	64525	10.677	ng	100
78) Pyrene	12.851	202	423380	28.081	ng	99
80) Butylbenzylphthalate	13.469	149	190094	43.465	ng	96
81) Benzo(a)anthracene	14.045	228	496589	45.764	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	97018	27.565	ng	100
83) Chrysene	14.080	228	452016	46.683	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	300629	47.776	ng	99
85) Di-n-octyl phthalate	14.639	149	568546	47.917	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	362459	25.319	ng	99
88) Benzo(b)fluoranthene	15.110	252	533932	49.095	ng	100
89) Benzo(k)fluoranthene	15.139	252	508069	49.934	ng	99
90) Benzo(a)pyrene	15.480	252	494531	47.069	ng	100
91) Dibenzo(a,h)anthracene	17.068	278	293769	25.256	ng	99
92) Benzo(g,h,i)perylene	17.509	276	257953	22.240	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142847.D
Acq On : 25 Jun 2025 20:07
Operator : RC/JU
Sample : Q2386-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-1-062025MSD

Quant Time: Jun 26 01:20:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF061925	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	BF062525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142834.D	2,4-Dimethylphenol	Rahul	6/26/2025 9:13:56 AM	Jagrut	6/26/2025 10:47:47 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF062625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168614BS	BF142861.D	Acenaphthene	Rahul	6/27/2025 11:22:47 AM	Jagrut	6/27/2025 11:37:38 AM	Peak Integrated by Software
PB168614BS	BF142861.D	Caprolactam	Rahul	6/27/2025 11:22:47 AM	Jagrut	6/27/2025 11:37:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf062725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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 # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICCC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

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 # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM				
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM				
SubDirectory	BF062525	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142833.D	25 Jun 2025 12:17	RC/JU	Ok
2	SSTDCCC040	BF142834.D	25 Jun 2025 13:25	RC/JU	Ok,M
3	PB168592BL	BF142835.D	25 Jun 2025 13:55	RC/JU	Ok
4	PB168592BS	BF142836.D	25 Jun 2025 14:25	RC/JU	Ok,M
5	PB168592BSD	BF142837.D	25 Jun 2025 14:55	RC/JU	Ok,M
6	PB168601BL	BF142838.D	25 Jun 2025 15:26	RC/JU	Ok
7	PB168601BS	BF142839.D	25 Jun 2025 15:57	RC/JU	Ok
8	Q2393-01	BF142840.D	25 Jun 2025 16:32	RC/JU	Ok
9	Q2393-03	BF142841.D	25 Jun 2025 17:02	RC/JU	Ok
10	Q2394-01	BF142842.D	25 Jun 2025 17:33	RC/JU	Ok
11	Q2394-01MS	BF142843.D	25 Jun 2025 18:04	RC/JU	Ok
12	Q2394-01MSD	BF142844.D	25 Jun 2025 18:35	RC/JU	Ok
13	Q2386-02	BF142845.D	25 Jun 2025 19:06	RC/JU	Ok
14	Q2386-02MS	BF142846.D	25 Jun 2025 19:37	RC/JU	Ok
15	Q2386-02MSD	BF142847.D	25 Jun 2025 20:07	RC/JU	Ok
16	Q2388-04	BF142848.D	25 Jun 2025 20:38	RC/JU	Ok
17	Q2389-04	BF142849.D	25 Jun 2025 21:09	RC/JU	Ok
18	Q2399-01	BF142850.D	25 Jun 2025 21:40	RC/JU	Ok
19	Q2399-05	BF142851.D	25 Jun 2025 22:10	RC/JU	Ok
20	Q2386-01DL	BF142852.D	25 Jun 2025 22:41	RC/JU	Dilution
21	Q2386-01DL2	BF142853.D	25 Jun 2025 23:11	RC/JU	Ok,M

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM				
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM				
SubDirectory	BF062525	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2412-01	BF142854.D	25 Jun 2025 23:41	RC/JU	Ok,M
23	Q2403-03	BF142855.D	26 Jun 2025 00:12	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM				
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM				
SubDirectory	BF062625	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142856.D	26 Jun 2025 09:10	RC/JU	Ok
2	SSTDCCC040	BF142857.D	26 Jun 2025 09:39	RC/JU	Ok
3	PB168610BL	BF142858.D	26 Jun 2025 10:08	RC/JU	Ok
4	PB168610BS	BF142859.D	26 Jun 2025 10:38	RC/JU	Ok,M
5	PB168614BL	BF142860.D	26 Jun 2025 11:07	RC/JU	Ok
6	PB168614BS	BF142861.D	26 Jun 2025 11:36	RC/JU	Ok,M
7	Q2403-05	BF142862.D	26 Jun 2025 12:09	RC/JU	Ok
8	Q2405-01	BF142863.D	26 Jun 2025 12:39	RC/JU	Ok
9	Q2405-01MS	BF142864.D	26 Jun 2025 13:08	RC/JU	Ok,M
10	Q2405-01MSD	BF142865.D	26 Jun 2025 13:38	RC/JU	Ok,M
11	Q2394-04	BF142866.D	26 Jun 2025 14:07	RC/JU	Ok
12	Q2399-04	BF142867.D	26 Jun 2025 14:37	RC/JU	Ok
13	Q2399-08	BF142868.D	26 Jun 2025 15:07	RC/JU	Ok
14	Q2405-04	BF142869.D	26 Jun 2025 15:37	RC/JU	Ok
15	Q2409-02	BF142870.D	26 Jun 2025 16:06	RC/JU	Ok
16	Q2416-01	BF142871.D	26 Jun 2025 16:36	RC/JU	Ok
17	Q2416-01MS	BF142872.D	26 Jun 2025 17:06	RC/JU	Ok,M
18	Q2416-01MSD	BF142873.D	26 Jun 2025 17:36	RC/JU	Ok,M
19	Q2425-01	BF142874.D	26 Jun 2025 18:05	RC/JU	Ok
20	Q2414-01	BF142875.D	26 Jun 2025 18:35	RC/JU	Ok,M
21	Q2403-07	BF142876.D	26 Jun 2025 19:04	RC/JU	Ok,M

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 # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM				
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM				
SubDirectory	BF062625	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2420-01	BF142877.D	26 Jun 2025 19:34	RC/JU	Dilution
23	Q2415-01	BF142878.D	26 Jun 2025 20:03	RC/JU	Ok,M
24	Q2423-01	BF142879.D	26 Jun 2025 20:32	RC/JU	Ok,M
25	Q2419-01	BF142880.D	26 Jun 2025 21:02	RC/JU	Ok,M

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 # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142881.D	27 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142882.D	27 Jun 2025 09:51	RC/JU	Ok
3	PB168571TB	BF142883.D	27 Jun 2025 10:20	RC/JU	Ok
4	PB168625BL	BF142884.D	27 Jun 2025 10:49	RC/JU	Ok
5	PB168625BS	BF142885.D	27 Jun 2025 11:19	RC/JU	Ok,NR
6	Q2413-05	BF142886.D	27 Jun 2025 11:52	RC/JU	Ok
7	Q2425-02	BF142887.D	27 Jun 2025 12:21	RC/JU	Ok
8	Q2425-03	BF142888.D	27 Jun 2025 12:50	RC/JU	Ok
9	Q2413-01	BF142889.D	27 Jun 2025 13:19	RC/JU	Ok,NR
10	Q2413-03	BF142890.D	27 Jun 2025 13:48	RC/JU	Ok
11	Q2413-04	BF142891.D	27 Jun 2025 14:17	RC/JU	Ok,NR
12	Q2413-02	BF142892.D	27 Jun 2025 14:47	RC/JU	Ok,NR
13	Q2413-06	BF142893.D	27 Jun 2025 15:15	RC/JU	Ok
14	Q2420-01DL	BF142894.D	27 Jun 2025 15:44	RC/JU	Dilution
15	Q2420-01DL2	BF142895.D	27 Jun 2025 16:13	RC/JU	Ok,NR
16	Q2429-01	BF142896.D	27 Jun 2025 16:43	RC/JU	Ok
17	Q2414-04	BF142897.D	27 Jun 2025 17:12	RC/JU	Ok
18	Q2414-04MS	BF142898.D	27 Jun 2025 17:41	RC/JU	Ok
19	Q2414-04MSD	BF142899.D	27 Jun 2025 18:10	RC/JU	Ok,NR
20	Q2416-04	BF142900.D	27 Jun 2025 18:40	RC/JU	Ok
21	Q2420-02	BF142901.D	27 Jun 2025 19:10	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2415-04	BF142902.D	27 Jun 2025 19:39	RC/JU	Ok
23	Q2427-01	BF142903.D	27 Jun 2025 20:08	RC/JU	Ok
24	Q2355-07	BF142904.D	27 Jun 2025 20:37	RC/JU	Dilution
25	Q2418-01	BF142905.D	27 Jun 2025 21:07	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF142792.D	19 Jun 2025 19:09		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142833.D	25 Jun 2025 12:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142834.D	25 Jun 2025 13:25		RC/JU	Ok,M
3	PB168592BL	PB168592BL	BF142835.D	25 Jun 2025 13:55		RC/JU	Ok
4	PB168592BS	PB168592BS	BF142836.D	25 Jun 2025 14:25		RC/JU	Ok,M
5	PB168592BSD	PB168592BSD	BF142837.D	25 Jun 2025 14:55		RC/JU	Ok,M
6	PB168601BL	PB168601BL	BF142838.D	25 Jun 2025 15:26		RC/JU	Ok
7	PB168601BS	PB168601BS	BF142839.D	25 Jun 2025 15:57		RC/JU	Ok
8	Q2393-01	PARK AVE -1	BF142840.D	25 Jun 2025 16:32		RC/JU	Ok
9	Q2393-03	PARK AVE -2	BF142841.D	25 Jun 2025 17:02		RC/JU	Ok
10	Q2394-01	MH-K/L	BF142842.D	25 Jun 2025 17:33		RC/JU	Ok
11	Q2394-01MS	MH-K/LMS	BF142843.D	25 Jun 2025 18:04		RC/JU	Ok
12	Q2394-01MSD	MH-K/LMSD	BF142844.D	25 Jun 2025 18:35		RC/JU	Ok
13	Q2386-02	SU-1-062025	BF142845.D	25 Jun 2025 19:06		RC/JU	Ok
14	Q2386-02MS	SU-1-062025MS	BF142846.D	25 Jun 2025 19:37		RC/JU	Ok
15	Q2386-02MSD	SU-1-062025MSD	BF142847.D	25 Jun 2025 20:07		RC/JU	Ok
16	Q2388-04	TP-12	BF142848.D	25 Jun 2025 20:38		RC/JU	Ok
17	Q2389-04	MH-J-I	BF142849.D	25 Jun 2025 21:09		RC/JU	Ok
18	Q2399-01	TP-13	BF142850.D	25 Jun 2025 21:40		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By	Rahul	Review On	6/26/2025 9:14:40 AM		
Supervise By	Jagrut	Supervise On	6/26/2025 10:48:09 AM		
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2399-05	EP-7	BF142851.D	25 Jun 2025 22:10		RC/JU	Ok
20	Q2386-01DL	SU-1-062025DL	BF142852.D	25 Jun 2025 22:41	Need Further 5X Dilution	RC/JU	Dilution
21	Q2386-01DL2	SU-1-062025DL2	BF142853.D	25 Jun 2025 23:11		RC/JU	Ok,M
22	Q2412-01	TR-05-062425	BF142854.D	25 Jun 2025 23:41		RC/JU	Ok,M
23	Q2403-03	LAW-25-0093	BF142855.D	26 Jun 2025 00:12	Surrogate Failed.	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM		
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM		
SubDirectory	BF062625	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142856.D	26 Jun 2025 09:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142857.D	26 Jun 2025 09:39		RC/JU	Ok
3	PB168610BL	PB168610BL	BF142858.D	26 Jun 2025 10:08		RC/JU	Ok
4	PB168610BS	PB168610BS	BF142859.D	26 Jun 2025 10:38		RC/JU	Ok,M
5	PB168614BL	PB168614BL	BF142860.D	26 Jun 2025 11:07		RC/JU	Ok
6	PB168614BS	PB168614BS	BF142861.D	26 Jun 2025 11:36		RC/JU	Ok,M
7	Q2403-05	Concrete-062325	BF142862.D	26 Jun 2025 12:09		RC/JU	Ok
8	Q2405-01	MH-M/H	BF142863.D	26 Jun 2025 12:39		RC/JU	Ok
9	Q2405-01MS	MH-M/HMS	BF142864.D	26 Jun 2025 13:08		RC/JU	Ok,M
10	Q2405-01MSD	MH-M/HMSD	BF142865.D	26 Jun 2025 13:38		RC/JU	Ok,M
11	Q2394-04	MH-K/L	BF142866.D	26 Jun 2025 14:07		RC/JU	Ok
12	Q2399-04	TP-13	BF142867.D	26 Jun 2025 14:37		RC/JU	Ok
13	Q2399-08	EP-7	BF142868.D	26 Jun 2025 15:07		RC/JU	Ok
14	Q2405-04	MH-M/N	BF142869.D	26 Jun 2025 15:37		RC/JU	Ok
15	Q2409-02	COP-SOIL-PILE	BF142870.D	26 Jun 2025 16:06		RC/JU	Ok
16	Q2416-01	MH-G/H	BF142871.D	26 Jun 2025 16:36		RC/JU	Ok
17	Q2416-01MS	MH-G/HMS	BF142872.D	26 Jun 2025 17:06		RC/JU	Ok,M
18	Q2416-01MSD	MH-G/HMSD	BF142873.D	26 Jun 2025 17:36		RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM		
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM		
SubDirectory	BF062625	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2425-01	COMP-1	BF142874.D	26 Jun 2025 18:05		RC/JU	Ok
20	Q2414-01	WC-1	BF142875.D	26 Jun 2025 18:35		RC/JU	Ok,M
21	Q2403-07	ARS 20-0006	BF142876.D	26 Jun 2025 19:04		RC/JU	Ok,M
22	Q2420-01	72-11933	BF142877.D	26 Jun 2025 19:34	Need 10X Dilution then decide further dilution	RC/JU	Dilution
23	Q2415-01	WC-1	BF142878.D	26 Jun 2025 20:03		RC/JU	Ok,M
24	Q2423-01	RT915	BF142879.D	26 Jun 2025 20:32	Internal standard fail	RC/JU	Ok,M
25	Q2419-01	EO-3-6-25-2025	BF142880.D	26 Jun 2025 21:02	Internal standard fail	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142881.D	27 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142882.D	27 Jun 2025 09:51		RC/JU	Ok
3	PB168571TB	PB168571TB	BF142883.D	27 Jun 2025 10:20		RC/JU	Ok
4	PB168625BL	PB168625BL	BF142884.D	27 Jun 2025 10:49		RC/JU	Ok
5	PB168625BS	PB168625BS	BF142885.D	27 Jun 2025 11:19		RC/JU	Ok,NR
6	Q2413-05	TP-73	BF142886.D	27 Jun 2025 11:52		RC/JU	Ok
7	Q2425-02	COMP-2	BF142887.D	27 Jun 2025 12:21		RC/JU	Ok
8	Q2425-03	COMP-3	BF142888.D	27 Jun 2025 12:50		RC/JU	Ok
9	Q2413-01	TP-35	BF142889.D	27 Jun 2025 13:19		RC/JU	Ok,NR
10	Q2413-03	TP-77	BF142890.D	27 Jun 2025 13:48		RC/JU	Ok
11	Q2413-04	TP-74	BF142891.D	27 Jun 2025 14:17		RC/JU	Ok,NR
12	Q2413-02	TP-34	BF142892.D	27 Jun 2025 14:47		RC/JU	Ok,NR
13	Q2413-06	TP-72	BF142893.D	27 Jun 2025 15:15		RC/JU	Ok
14	Q2420-01DL	72-11933DL	BF142894.D	27 Jun 2025 15:44	Need 5X Further Dilution	RC/JU	Dilution
15	Q2420-01DL2	72-11933DL2	BF142895.D	27 Jun 2025 16:13		RC/JU	Ok,NR
16	Q2429-01	TP-4	BF142896.D	27 Jun 2025 16:43		RC/JU	Ok
17	Q2414-04	WC-1	BF142897.D	27 Jun 2025 17:12		RC/JU	Ok
18	Q2414-04MS	WC-1MS	BF142898.D	27 Jun 2025 17:41		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2414-04MSD	WC-1MSD	BF142899.D	27 Jun 2025 18:10		RC/JU	Ok,NR
20	Q2416-04	MH-G/H	BF142900.D	27 Jun 2025 18:40		RC/JU	Ok
21	Q2420-02	72-11933	BF142901.D	27 Jun 2025 19:10		RC/JU	Ok
22	Q2415-04	WC-1	BF142902.D	27 Jun 2025 19:39		RC/JU	Ok
23	Q2427-01	RT2929	BF142903.D	27 Jun 2025 20:08		RC/JU	Ok
24	Q2355-07	20071	BF142904.D	27 Jun 2025 20:37	Internal standard fail & Need 2X Dilution	RC/JU	Dilution
25	Q2418-01	VAC-TRUCK-4074	BF142905.D	27 Jun 2025 21:07	Internal standard fail	RC/JU	ReRun

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168571

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1

TCLP Filter ID : 115525

Start Prep Date : 06/24/2025 **Time :** 15:30

End Prep Date : 06/25/2025 **Time :** 08:38

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	N/A	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Martrix spikes are added after fiftration and before preservation. TUMBLER T-1 checked,30 rpm. Particle size reduction is not reuired. q2409-02 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/25/25 11:00	JP ICP Room	SLG. RS 1 DAY DIG
	Preparation Group	Analysis Group 1 EXT DOP

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168571

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168571TB	LEB571	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2386-02	SU-1-062025	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2388-04	TP-12	02	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2389-04	MH-J-I	03	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2391-01	AUD-1623	04	100.01	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q2394-04	MH-K/L	05	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2399-04	TP-13	06	100.03	2000	N/A	N/A	N/A	6.8	1.5	T-1
Q2399-08	EP-13	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q2405-04	MH-M/N	08	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2409-02	COP-SOIL-PILE	09	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1

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TCLP Solid Determination

PB168571

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168571TB	LEB571	N/A	N/A	N/A	N/A	N/A	N/A
Q2386-02	SU-1-062025	N/A	N/A	N/A	N/A	100	N/A
Q2388-04	TP-12	N/A	N/A	N/A	N/A	100	N/A
Q2389-04	MH-J-I	N/A	N/A	N/A	N/A	100	N/A
Q2391-01	AUD-1623	N/A	N/A	N/A	N/A	100	N/A
Q2394-04	MH-K/L	N/A	N/A	N/A	N/A	100	N/A
Q2399-04	TP-13	N/A	N/A	N/A	N/A	100	N/A
Q2399-08	EP-13	N/A	N/A	N/A	N/A	100	N/A
Q2405-04	MH-M/N	N/A	N/A	N/A	N/A	100	N/A
Q2409-02	COP-SOIL-PILE	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168571

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

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB168571TB	LEB571	N/A	N/A	N/A	N/A	#1	4.93
Q2386-02	SU-1-062025	5.02	96.5	7.6	2.5	#1	4.93
Q2388-04	TP-12	5.01	96.5	8.2	3.0	#1	4.93
Q2389-04	MH-J-I	5.02	96.5	7.0	2.0	#1	4.93
Q2391-01	AUD-1623	5.03	96.5	9.1	4.0	#1	4.93
Q2394-04	MH-K/L	5.01	96.5	5.6	1.5	#1	4.93
Q2399-04	TP-13	5.02	96.5	8.4	3.0	#1	4.93
Q2399-08	EP-13	5.03	96.5	9.1	4.0	#1	4.93
Q2405-04	MH-M/N	5.02	96.5	5.5	1.5	#1	4.93
Q2409-02	COP-SOIL-PILE	5.02	96.5	8.0	2.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2401 **WorkList ID :** 190354 **Department :** TCLP Extraction **Date :** 06-24-2025 12:49:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2386-02	SU-1-062025	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2388-04	TP-12	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2389-04	MH-J-I	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2391-01	AUD-1623	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D51	06/20/2025	1311
Q2394-04	MH-K/L	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	06/20/2025	1311
Q2399-04	TP-13	Solid	TCLP Extraction	Cool 4 deg C	PSEG03		06/23/2025	1311
Q2399-08	EP-13	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311
Q2405-04	MH-M/N	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	A41	06/23/2025	1311
Q2409-02	COP-SOIL-PILE	Solid	TCLP Extraction	Cool 4 deg C	COPP02	D51	06/24/2025	1311

Date/Time 06/24/25 14:45

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 06/24/25 18:00

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168614

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 06/25/2025

Extraction Start Time : 11:10

Extraction End Date : 06/25/2025

Extraction End Time : 16:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3943
Baked Na2SO4	N/A	EP2622
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/25/25	RS (Ext lab)	RC/SVOC
16:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168614

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 06/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168571TB	PB168571TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB168614BL	PB168614BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB168614BS	PB168614BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2386-02	SU-1-062025	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2386-02MS	SU-1-062025MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2386-02MSD	SU-1-062025MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2388-04	TP-12	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2389-04	MH-J-I	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q2394-04	MH-K/L	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q2399-04	TP-13	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q2399-08	EP-13	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q2405-04	MH-M/N	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q2409-02	COP-SOIL-PILE	TCLP BNA	100	6	RUPESH	ritesh	1	A		13

RS 6/25

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168571

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168571TB	LEB571	10	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q2386-02	SU-1-062025	01	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2388-04	TP-12	02	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q2389-04	MH-J-I	03	100.03	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2391-01	AUD-1623	04	100.01	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q2394-04	MH-K/L	05	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2399-04	TP-13	06	100.03	2000	N/A	N/A	N/A	6.8	1.5	T-1
Q2399-08	EP-13	07	100.02	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q2405-04	MH-M/N	08	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2409-02	COP-SOIL-PILE	09	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1

06/25/25
11:00

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q2909
COC Number 2046578

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CoppolA Services
ADDRESS: 355 Fowser Rd
CITY: Millville STATE: NJ ZIP:
ATTENTION: JeFFrey SimpKins
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY 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

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 TCLP VOA
2 COSTOSivity
3 Ignitability
4 ReActive CN
5 ReActive SulFide
6 TCLP MetalsHgCuNiZn
7 TCLP BNA/TVS
8 TCLP Pesticides (GC)
9 T/PH GC

ALLIANCE 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
								E 1	E 2	E 3	E 4	E 5	E 6	E 7	E 8	E 9	← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	Cop-SoilPile	Soil		X	6.24.25	858	2	X									1.2 ppm
2.	Cop-SoilPile	"	X		"	904	6		X	X	X	X	X	X	X	X	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. JT	925 6.24.25	1.
2.		2.
3. JT	1430 6-24-25	3.

Conditions of bottles or coolers at receipt: ✓ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 3.8 °C
Comments:

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other _____

Shipment Complete ❑ YES ❑ NO

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

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

Project Name: Coppola Services
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: Sewage Utility of Millville
Site Address: 355 Fowser Rd Millville NJ

Chemtech Order ID:
Sampler Name: IT
Client Project Coordinator & Phone: Jeffrey Simpkins
Page #: 1 of 1
Date: 6.24.25.
Arrive Time: 845
Depart Time: 925

Waste Stream (circle one): drum / roll-off / (soil pile) / in-situ / linear construction / frac-tank

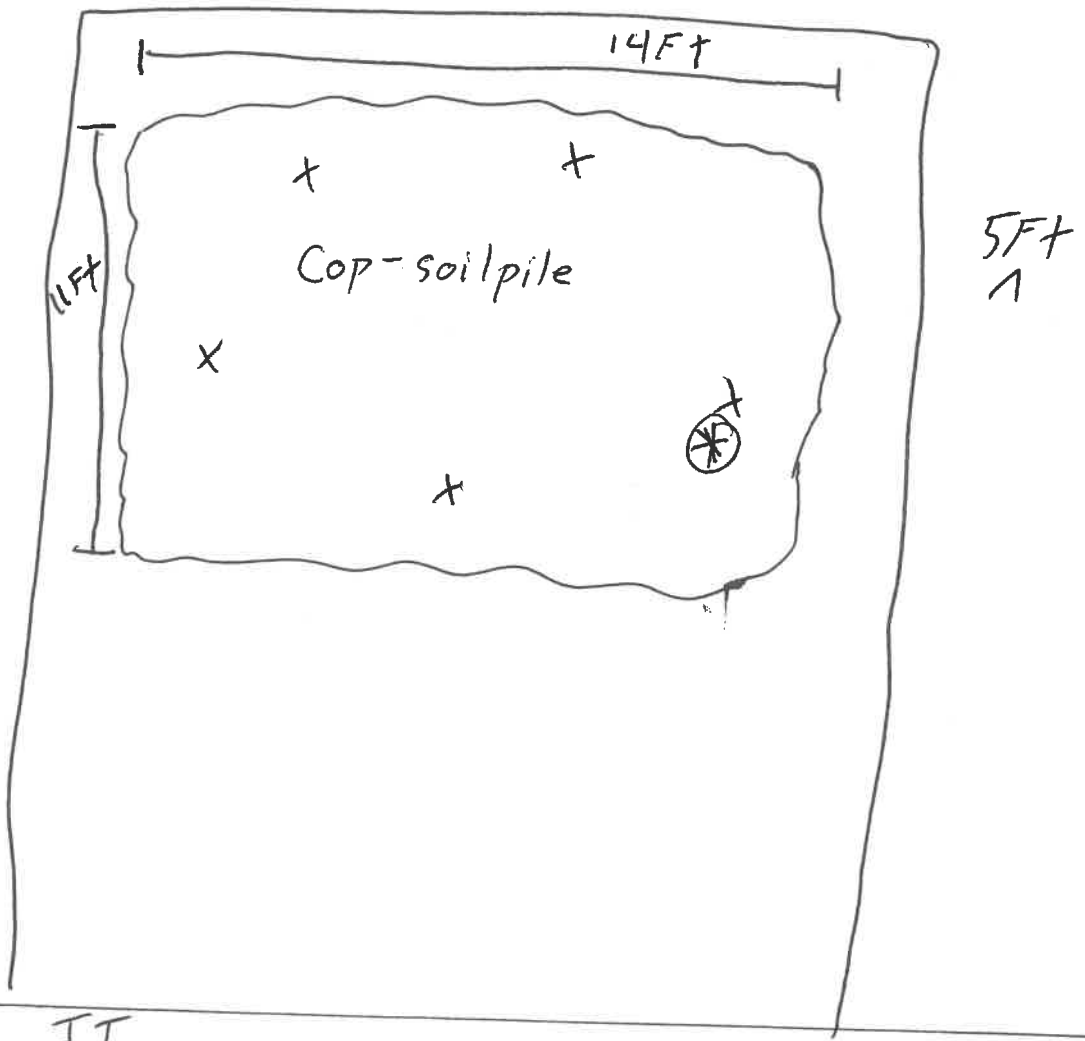
Sample Matrices (circle all that apply): Water / (Solid) / NAPL / Concrete / Wipe

Collection Depths: NA
Dimensions/CY: 14 x 11 x 5
Temp (range): 3.8 °C **PID Readings (range)**: 1.2 PPM **Odor**: Y / (N) **Color**: Y / (N)

Sample Description: Dry grayish soil - some Rocks
Field Observations: 1 small soil pile

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: IT
Client Signature:

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

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

QA Control Code: A2070148