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Cover Page

Order ID : Q1626

Project ID : Walsh CO-032 Sampling

Client : Walsh Construction Company II, LLC

Lab Sample Number	Client Sample Number
Q1626-01	CO-32-1
Q1626-02	CO-32-1
Q1626-03	CO-32-1

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: 3/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: Walsh CO-032 Sampling
Project # N/A
Chemtech Project # Q1626
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 03/21/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, TS, TVS and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for CO-32-1 [Terphenyl-d14 - 127%]. As per method one surrogate is allowed to fail, Therefore no corrective action required.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {Q1627-01MS} with File ID: BF142086.D recoveries met the requirements for all compounds except for 2,4,5-Trichlorophenol[118%], 2,4,6-Trichlorophenol[114%] and Hexachlorobenzene[124%] due to matrix interference .
The MSD {Q1627-01MSD} with File ID: BF142087.D recoveries met the acceptable requirements except for 2,4,5-Trichlorophenol[112%], 2,4,6-Trichlorophenol[118%] and Hexachlorobenzene[124%] due to matrix interference .
The RPD met criteria .

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The Blank Spike for {PB167310BS} with File ID: BF142096.D met requirements for all samples except for 2,4-Dinitrotoluene[116%], Hexachlorobenzene[107%] and Hexachlorobutadiene[107%] . But associated samples have not positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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 #: **Q1626**

	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:** **03/29/2025**

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LAB CHRONICLE

OrderID:	Q1626	**OrderDate:**	3/21/2025 12:59:00 PM
Client:	Walsh Construction Company II, LLC	**Project:**	Walsh CO-032 Sampling
Contact:	Evelyne Benie Dion Gokan	**Location:**	F11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1626-01	**CO-32-1**	**SOIL**			**03/21/25**			**03/21/25**
			SVOC-TCL BNA -20	8270E		03/24/25	03/24/25	
Q1626-03	**CO-32-1**	**TCLP**			**03/21/25**			**03/21/25**
			TCLP BNA	8270E		03/25/25	03/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

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.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167275TB	PB167275TB	2-Fluorophenol	150	147	98		10	139
		Phenol-d6	150	138	92		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	161	107		44	137
		Terphenyl-d14	100	110	110		48	125
PB167310BL	PB167310BL	2-Fluorophenol	150	147	98		10	139
		Phenol-d6	150	138	92		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	105	105		52	132
		2,4,6-Tribromophenol	150	163	109		44	137
		Terphenyl-d14	100	108	108		48	125
PB167310BS	PB167310BS	2-Fluorophenol	150	146	97		10	139
		Phenol-d6	150	140	93		10	134
		Nitrobenzene-d5	100	104	104		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	179	120		44	137
		Terphenyl-d14	100	107	107		48	125
Q1626-03	CO-32-1	2-Fluorophenol	150	143	96		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	102	102		49	133
		2-Fluorobiphenyl	100	101	101		52	132
		2,4,6-Tribromophenol	150	172	115		44	137
		Terphenyl-d14	100	127	127	*	48	125
Q1627-01MS	GRID-LINE-1.2-NORTHMS	2-Fluorophenol	150	144	96		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	108	108		49	133
		2-Fluorobiphenyl	100	108	108		52	132
		2,4,6-Tribromophenol	150	179	119		44	137
		Terphenyl-d14	100	114	114		48	125
Q1627-01MSD	GRID-LINE-1.2-NORTHMSD	2-Fluorophenol	150	144	96		10	139
		Phenol-d6	150	136	91		10	134
		Nitrobenzene-d5	100	108	108		49	133
		2-Fluorobiphenyl	100	109	109		52	132
		2,4,6-Tribromophenol	150	175	116		44	137
		Terphenyl-d14	100	118	118		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1627-01MS		**Client Sample ID: GRID-LINE-1.2-NORTHMS**						**DataFile: BF142086.D**			
Pyridine	500	0	400	ug/L	80				10	109	
1,4-Dichlorobenzene	500	0	460	ug/L	92				55	125	
2-Methylphenol	500	0	520	ug/L	104				60	131	
3+4-Methylphenols	500	0	510	ug/L	102				54	136	
Hexachloroethane	500	0	450	ug/L	90				19	146	
Nitrobenzene	500	0	510	ug/L	102				62	112	
Hexachlorobutadiene	500	0	500	ug/L	100				52	125	
2,4,6-Trichlorophenol	500	0	570	ug/L	114	*			78	112	
2,4,5-Trichlorophenol	500	0	590	ug/L	118	*			71	111	
2,4-Dinitrotoluene	500	0	600	ug/L	120				74	137	
Hexachlorobenzene	500	0	620	ug/L	124	*			72	115	
Pentachlorophenol	1000	0	790	ug/L	79				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1627-01MSD		**Client Sample ID:** GRID-LINE-1.2-NORTHMSD						**DataFile:** BF142087.D			
Pyridine	500	0	410	ug/L	82		2		10	109	20
1,4-Dichlorobenzene	500	0	460	ug/L	92		0		55	125	20
2-Methylphenol	500	0	530	ug/L	106		2		60	131	20
3+4-Methylphenols	500	0	510	ug/L	102		0		54	136	20
Hexachloroethane	500	0	450	ug/L	90		0		19	146	20
Nitrobenzene	500	0	500	ug/L	100		2		62	112	20
Hexachlorobutadiene	500	0	500	ug/L	100		0		52	125	20
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*	3		78	112	20
2,4,5-Trichlorophenol	500	0	560	ug/L	112	*	5		71	111	20
2,4-Dinitrotoluene	500	0	590	ug/L	118		2		74	137	20
Hexachlorobenzene	500	0	620	ug/L	124	*	0		72	115	20
Pentachlorophenol	1000	0	810	ug/L	81		3		52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1626

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF142096.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167310BS	Pyridine	50	46.9	ug/L	94				29	97	
	1,4-Dichlorobenzene	50	50.6	ug/L	101				76	103	
	2-Methylphenol	50	49.5	ug/L	99				69	109	
	3+4-Methylphenols	50	48.0	ug/L	96				67	106	
	Hexachloroethane	50	50.1	ug/L	100				76	118	
	Nitrobenzene	50	50.0	ug/L	100				58	106	
	Hexachlorobutadiene	50	53.3	ug/L	107		*		69	101	
	2,4,6-Trichlorophenol	50	50.3	ug/L	101				61	110	
	2,4,5-Trichlorophenol	50	53.2	ug/L	106				70	106	
	2,4-Dinitrotoluene	50	57.8	ug/L	116		*		60	115	
	Hexachlorobenzene	50	53.3	ug/L	107		*		73	106	
	Pentachlorophenol	100	100	ug/L	100				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167310BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142095.D Lab Sample ID: PB167310BL

Instrument ID: BNA_F Date Extracted: 03/25/2025

Matrix: (soil/water) water Date Analyzed: 03/26/2025

Level: (low/med) LOW Time Analyzed: 14:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167310BS	PB167310BS	BF142096.D	03/26/2025
PB167275TB	PB167275TB	BF142097.D	03/26/2025
CO-32-1	Q1626-03	BF142084.D	03/25/2025
GRID-LINE-1.2-NORTHMS	Q1627-01MS	BF142086.D	03/25/2025
GRID-LINE-1.2-NORTHMSD	Q1627-01MSD	BF142087.D	03/25/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35
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	5.3
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
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
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

Raw Data: **BF142067.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142067.D DFTPP Injection Date: 03/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.1
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	27.5
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	39.3
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	5.6
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142068.D	03/25/2025	10:09
CO-32-1	Q1626-03	BF142084.D	03/25/2025	18:09
GRID-LINE-1.2-NORTHMS	Q1627-01MS	BF142086.D	03/25/2025	19:08
GRID-LINE-1.2-NORTHMSD	Q1627-01MSD	BF142087.D	03/25/2025	19:37

Raw Data: **BF142091.D**

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: Q1626 SDG NO.: Q1626

Lab File ID: BF142091.D DFTPP Injection Date: 03/26/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.8
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142092.D	03/26/2025	12:37
PB167310BL	PB167310BL	BF142095.D	03/26/2025	14:07
PB167310BS	PB167310BS	BF142096.D	03/26/2025	14:36
PB167275TB	PB167275TB	BF142097.D	03/26/2025	15:06

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/25/2025

Lab File ID: BF142068.D Time Analyzed: 10:09

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	160336	6.875	599217	8.16	347065	9.91
	UPPER LIMIT	320672	7.375	1198430	8.657	694130	10.41
	LOWER LIMIT	80168	6.375	299609	7.657	173533	9.41
	EPA SAMPLE NO.						
01	CO-32-1	156336	6.88	609764	8.15	348183	9.90
02	GRID-LINE-1.2-NORTHMS	146933	6.88	568677	8.16	316885	9.91
03	GRID-LINE-1.2-NORTHMSD	147582	6.88	576033	8.16	320833	9.91

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.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/25/2025

Lab File ID: BF142068.D Time Analyzed: 10:09

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	578583	11.398	306767	14.033	312865	15.51
	UPPER LIMIT	1157170	11.898	613534	14.533	625730	16.01
	LOWER LIMIT	289292	10.898	153384	13.533	156433	15.01
	EPA SAMPLE NO.						
01	CO-32-1	583175	11.39	299418	14.03	256921	15.50
02	GRID-LINE-1.2-NORTHMS	518084	11.40	312206	14.03	310091	15.50
03	GRID-LINE-1.2-NORTHMSD	519359	11.40	286436	14.03	306276	15.50

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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/26/2025

Lab File ID: BF142092.D Time Analyzed: 12:37

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	126144	6.869	466289	8.15	264545	9.91
	UPPER LIMIT	252288	7.369	932578	8.651	529090	10.41
	LOWER LIMIT	63072	6.369	233145	7.651	132273	9.41
	EPA SAMPLE NO.						
01	PB167310BL	124680	6.87	480516	8.15	261927	9.90
02	PB167275TB	123691	6.87	480597	8.15	269310	9.91
03	PB167310BS	126237	6.87	477255	8.15	273347	9.91

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.: Q1626 SAS No.: Q1626 SDG NO.: Q1626

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/26/2025

Lab File ID: BF142092.D Time Analyzed: 12:37

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	490977	11.392	326411	14.033	325355	15.504
	UPPER LIMIT	981954	11.892	652822	14.533	650710	16.004
	LOWER LIMIT	245489	10.892	163206	13.533	162678	15.004
	EPA SAMPLE NO.						
01	PB167310BL	473117	11.39	346676	14.03	279819	15.51
02	PB167275TB	488702	11.39	340590	14.03	284587	15.51
03	PB167310BS	496995	11.40	337990	14.04	323857	15.51

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: **BF142084.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	CO-32-1	SDG No.:	Q1626
Lab Sample ID:	Q1626-03	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142084.D	1	03/25/25 12:25	03/25/25 18:09	PB167310

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	UQ	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	UQ	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	UQ	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	143		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		49 - 133	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		52 - 132	101%	SPK: 100
118-79-6	2,4,6-Tribromophenol	172		44 - 137	115%	SPK: 150
1718-51-0	Terphenyl-d14	127	*	48 - 125	127%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	156000	6.875			
1146-65-2	Naphthalene-d8	610000	8.151			
15067-26-2	Acenaphthene-d10	348000	9.904			
1517-22-2	Phenanthrene-d10	583000	11.392			
1719-03-5	Chrysene-d12	299000	14.033			
1520-96-3	Perylene-d12	257000	15.504			

Raw Data: **BF142084.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/21/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	CO-32-1	SDG No.:	Q1626
Lab Sample ID:	Q1626-03	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142084.D	1	03/25/25 12:25	03/25/25 18:09	PB167310

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: **BF142084.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142084.D
Acq On : 25 Mar 2025 18:09
Operator : RC/JU
Sample : Q1626-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Quant Time: Mar 25 18:34:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

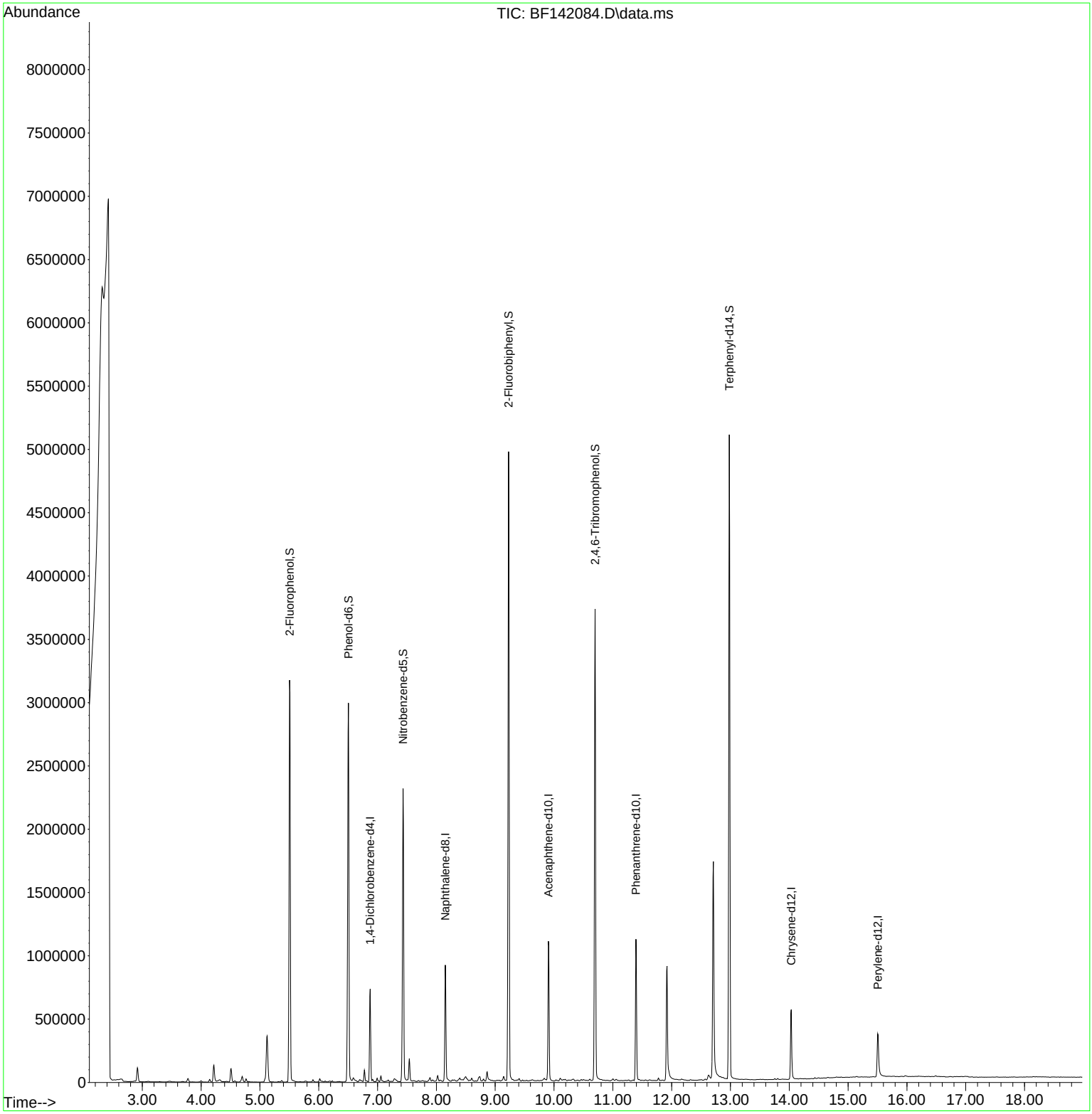
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	156336	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	609764	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	348183	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	583175	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	299418	20.000	ng	0.00
86) Perylene-d12	15.504	264	256921	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1343017	143.373	ng	0.01
7) Phenol-d6	6.504	99	1613721	135.304	ng	0.00
23) Nitrobenzene-d5	7.434	82	1110437	102.484	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	760029	172.063	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2301439	100.523	ng	-0.01
79) Terphenyl-d14	12.980	244	2576873	127.240	ng	0.00
Target Compounds						Qvalue

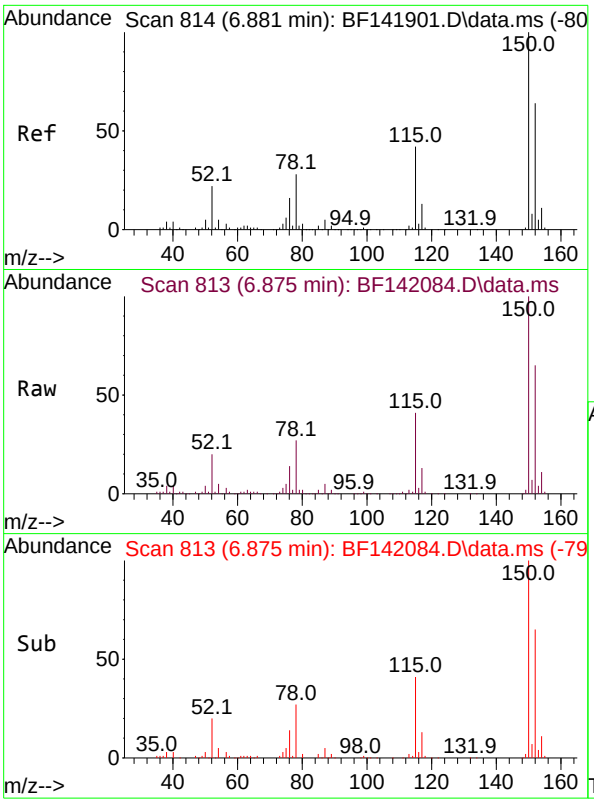
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142084.D
Acq On : 25 Mar 2025 18:09
Operator : RC/JU
Sample : Q1626-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Quant Time: Mar 25 18:34:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



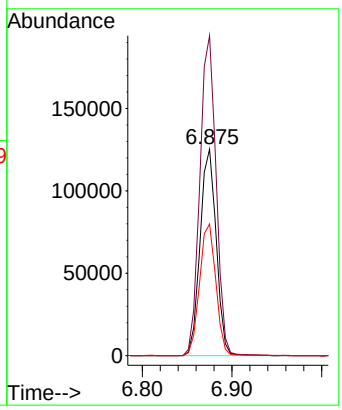


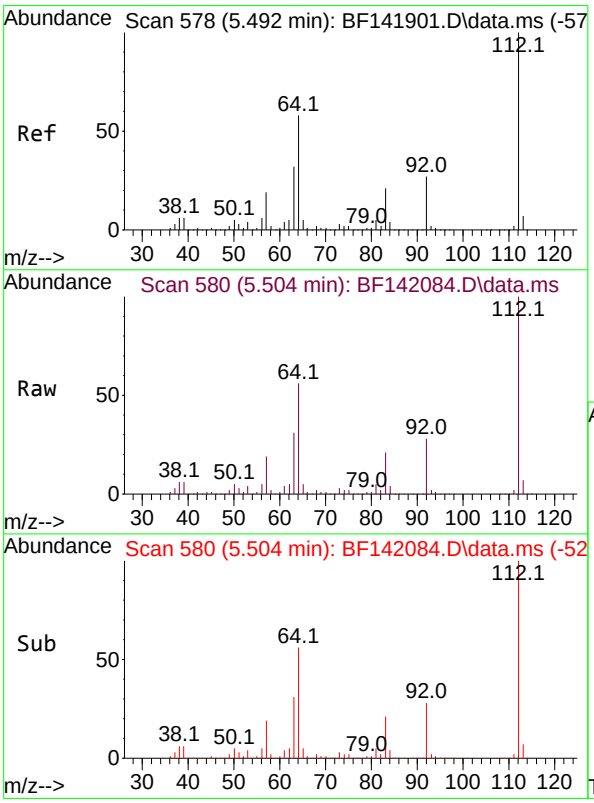
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:152 Resp: 156336

Ion	Ratio	Lower	Upper
152	100		
150	155.0	127.4	191.2
115	63.7	51.9	77.9

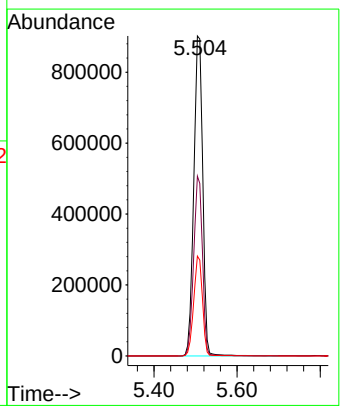


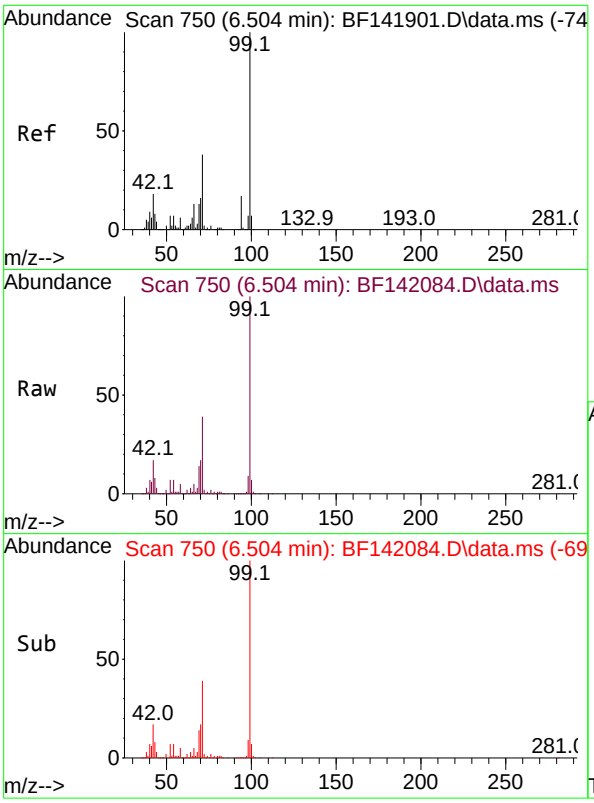


#5
2-Fluorophenol
Concen: 143.373 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:112 Resp: 1343017

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.5	69.7
63	31.2	25.4	38.2



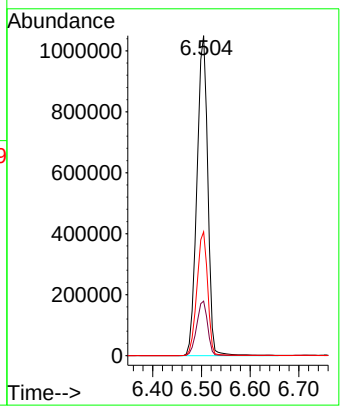


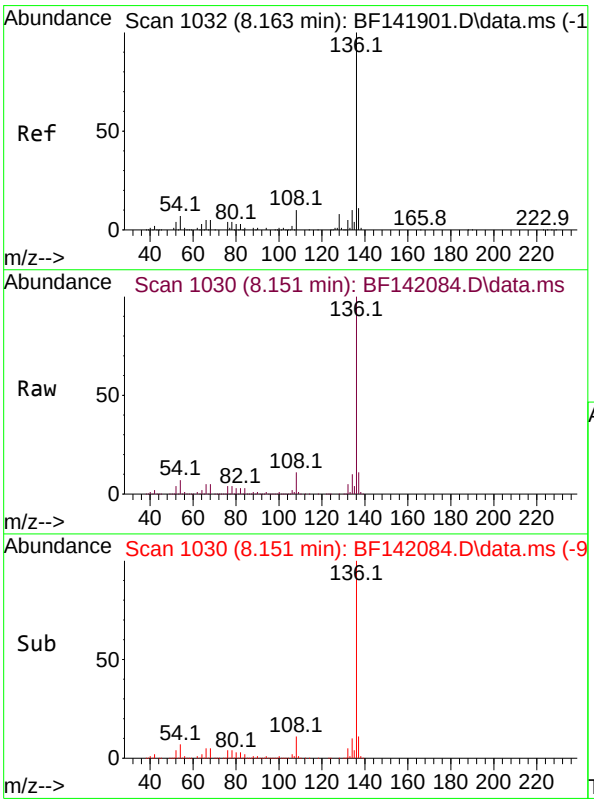
#7
Phenol-d6
Concen: 135.304 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion: 99 Resp: 1613721

Ion	Ratio	Lower	Upper
99	100		
42	17.0	14.6	21.8
71	38.7	30.8	46.2

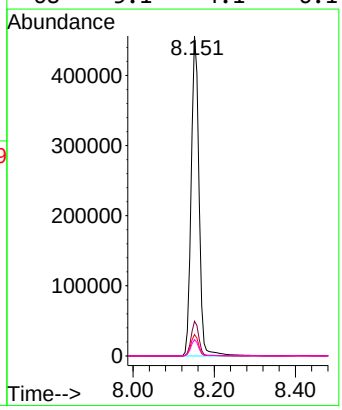


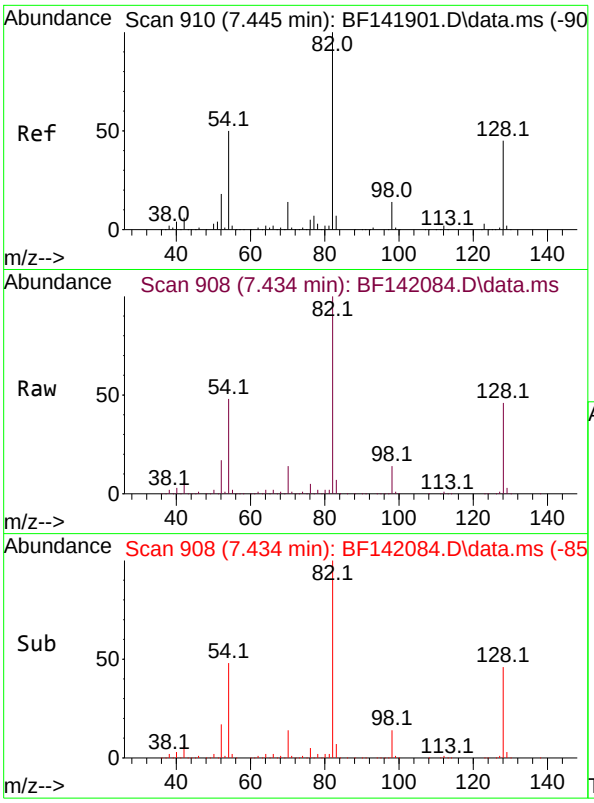


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:136 Resp: 609764

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	6.7	5.8	8.8
68	5.1	4.1	6.1



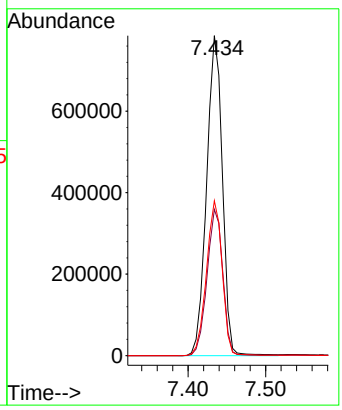


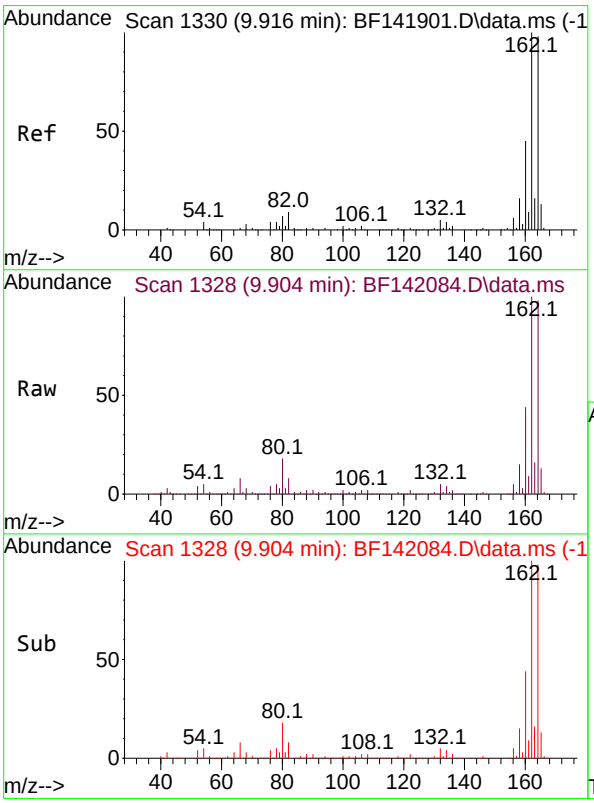
#23
Nitrobenzene-d5
Concen: 102.484 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion: 82 Resp: 1110437

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.0	54.0
54	48.4	39.6	59.4

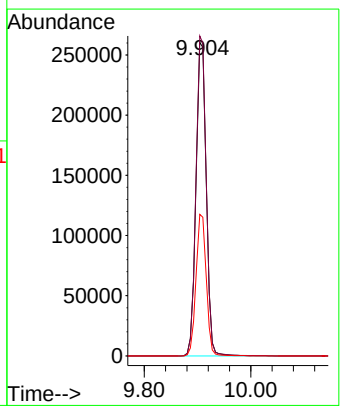


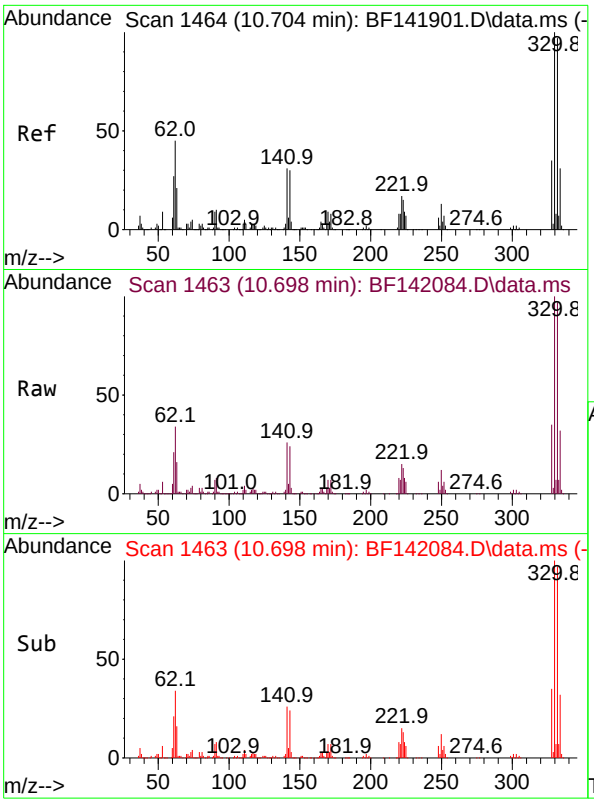


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:164 Resp: 348183

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.6
160	45.1	36.7	55.1



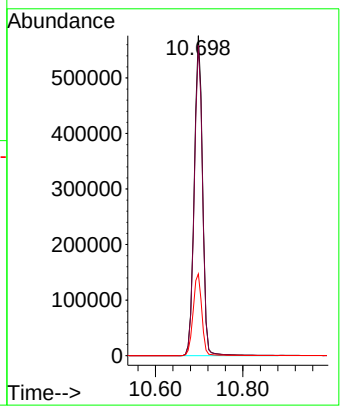


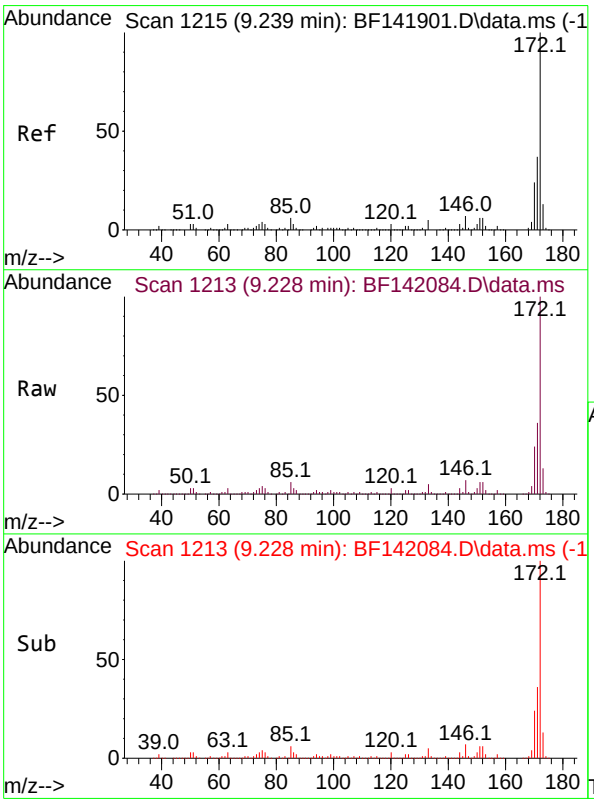
#42
2,4,6-Tribromophenol
Concen: 172.063 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:330 Resp: 760029

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	26.7	24.7	37.1

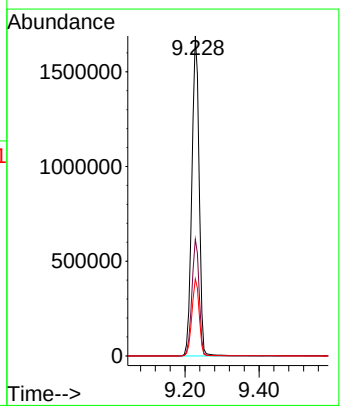


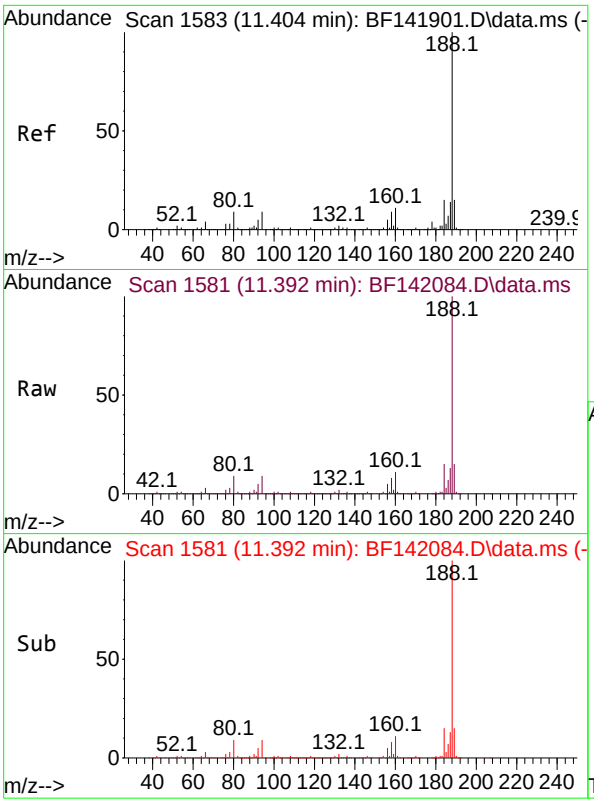


#45
2-Fluorobiphenyl
Concen: 100.523 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:172 Resp: 2301439

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.0	19.4	29.0



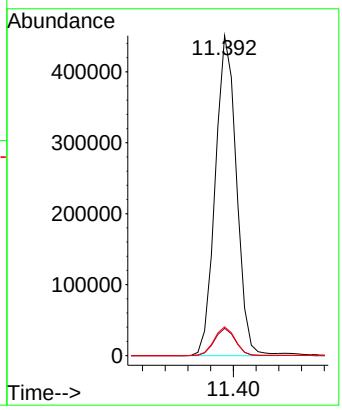


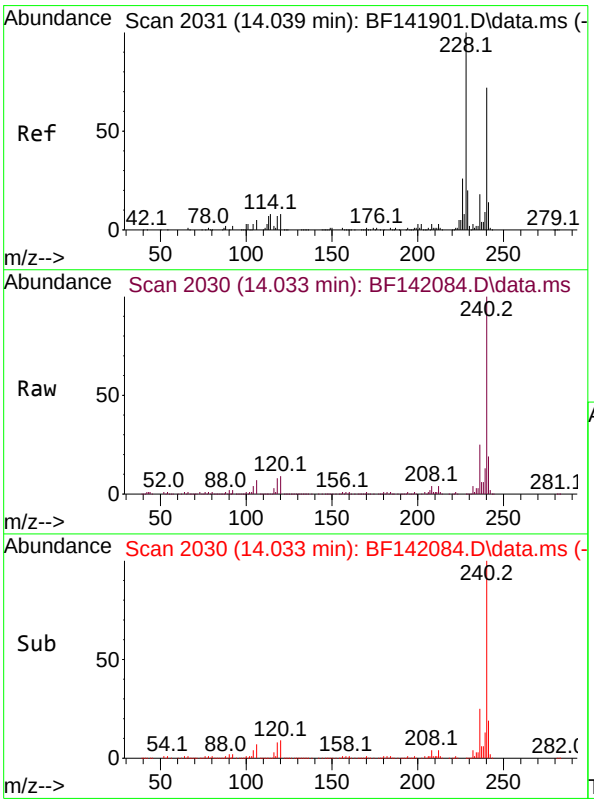
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:188 Resp: 583175

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.0	7.6	11.4

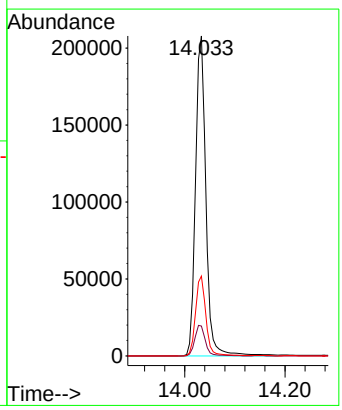


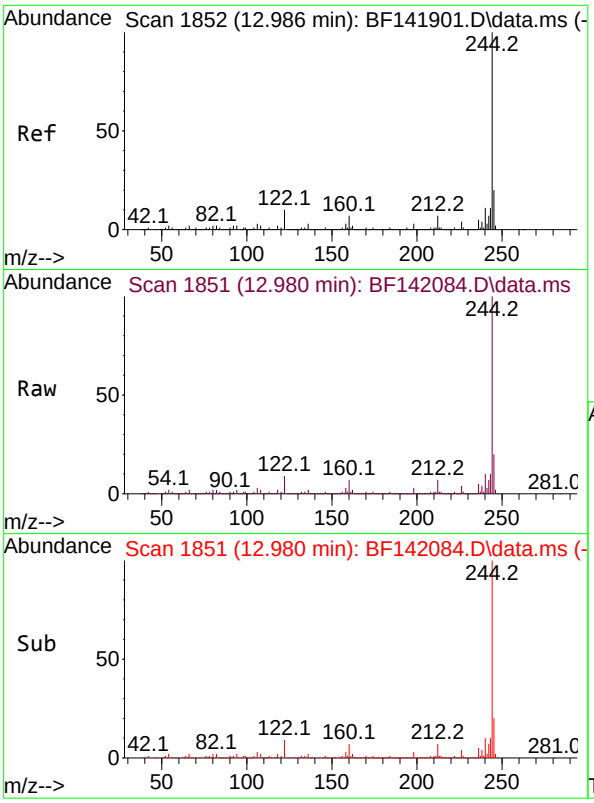


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:240 Resp: 299418

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	24.9	20.5	30.7



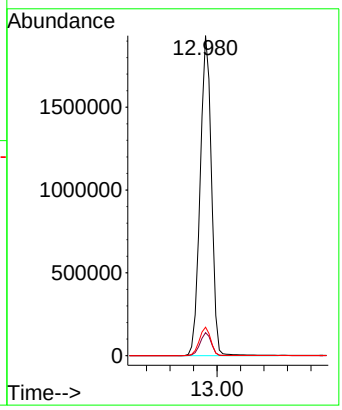


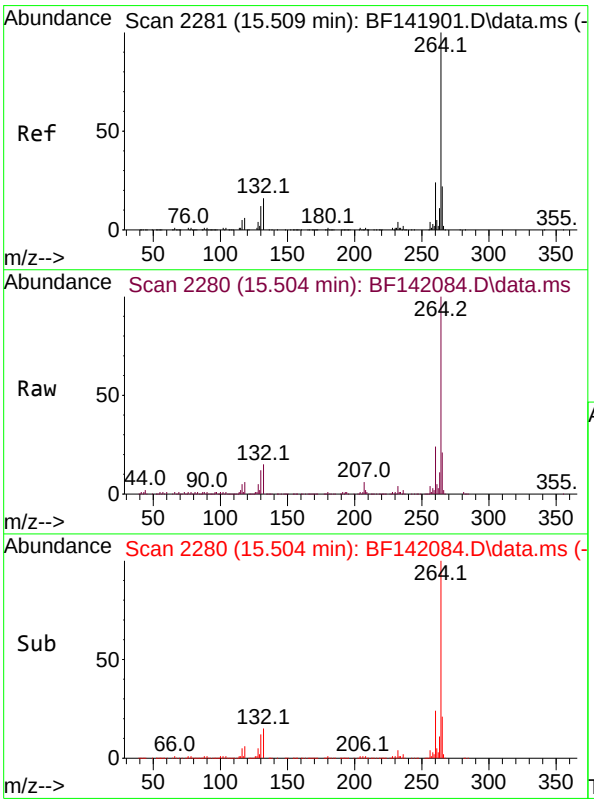
#79
Terphenyl-d14
Concen: 127.240 ng
RT: 12.980 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Instrument :
BNA_F
ClientSampleId :
CO-32-1

Tgt Ion:244 Resp: 2576873

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	8.9	7.7	11.5

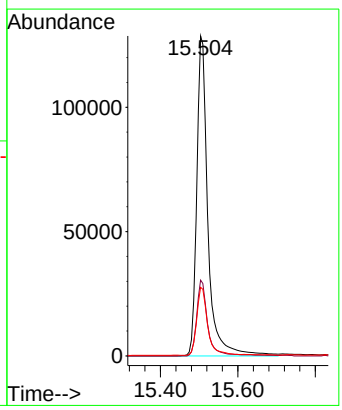




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF142084.D
Acq: 25 Mar 2025 18:09

Tgt Ion:264 Resp: 256921

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.4	17.5	26.3



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: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Pyridine		1.217	1.204	1.334	1.221	1.209	1.232	3.8
2-Fluorophenol		1.267	1.243	1.298	1.148	1.146	1.198	5.8
Phenol-d6		1.623	1.593	1.644	1.442	1.471	1.526	6.0
1,4-Dichlorobenzene		1.514	1.503	1.548	1.393	1.420	1.452	4.7
2-Methylphenol		1.080	1.050	1.122	1.008	1.079	1.057	3.7
3+4-Methylphenols		1.449	1.394	1.470	1.294	1.334	1.354	6.5
Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.363	0.355	3.5
Hexachloroethane		0.545	0.551	0.576	0.517	0.560	0.544	3.8
Nitrobenzene		0.347	0.351	0.375	0.346	0.359	0.353	3.1
Hexachlorobutadiene		0.211	0.211	0.221	0.203	0.214	0.213	2.5
2,4,6-Trichlorophenol		0.388	0.389	0.402	0.398	0.401	0.398	1.9
2-Fluorobiphenyl		1.430	1.379	1.379	1.254	1.246	1.315	5.9
2,4,5-Trichlorophenol		0.396	0.391	0.422	0.389	0.415	0.403	3.0
2,4-Dinitrotoluene		0.365	0.382	0.402	0.375	0.383	0.381	2.9
2,4,6-Tribromophenol		0.234	0.236	0.259	0.250	0.265	0.254	5.7
Hexachlorobenzene		0.262	0.267	0.284	0.269	0.271	0.275	3.9
Pentachlorophenol		0.130	0.151	0.172	0.177	0.186	0.170	12.7
Terphenyl-d14		1.343	1.309	1.360	1.276	1.417	1.353	3.6

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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

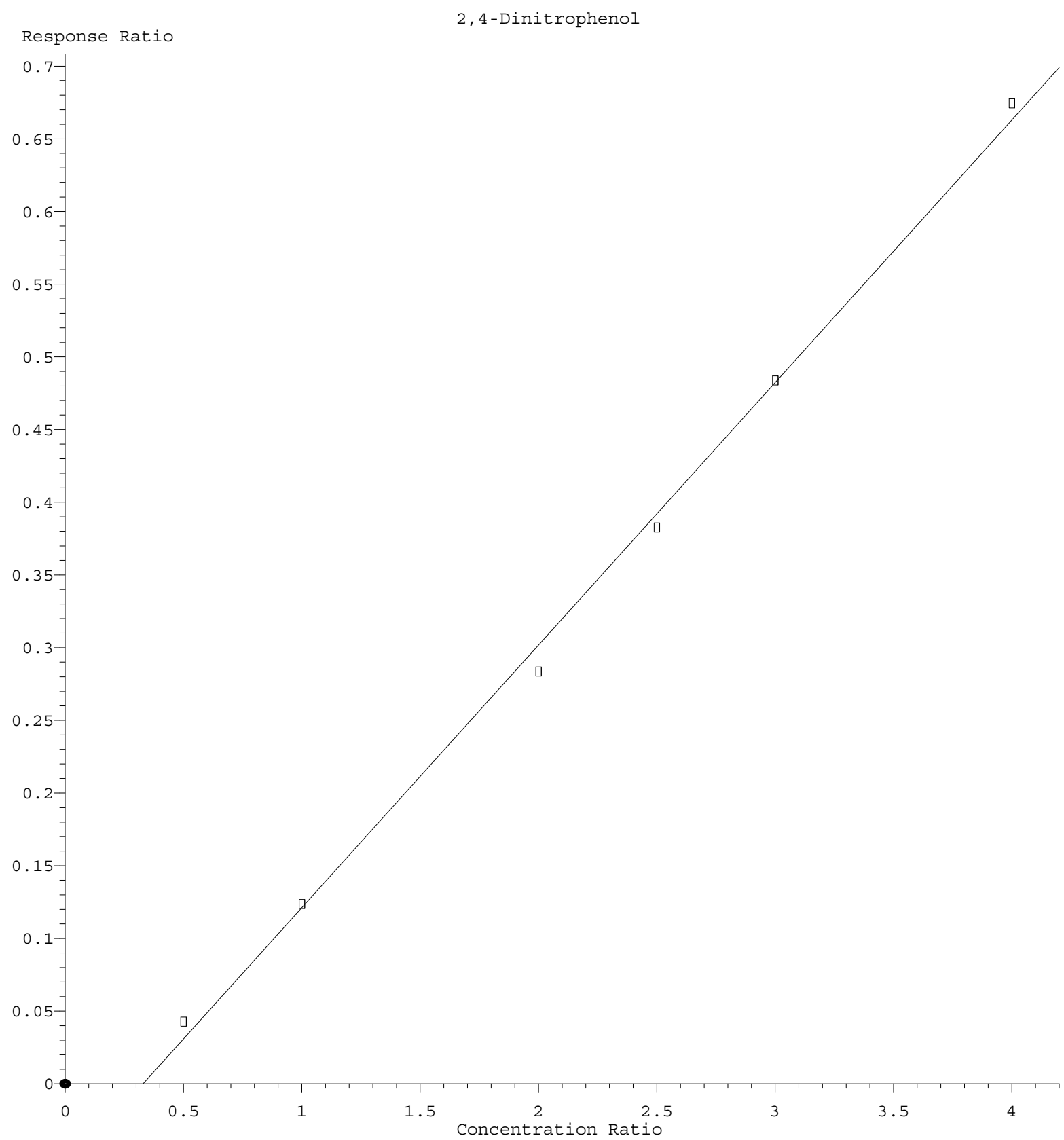
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	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...	7.275	70	27816	2.599	ng	94

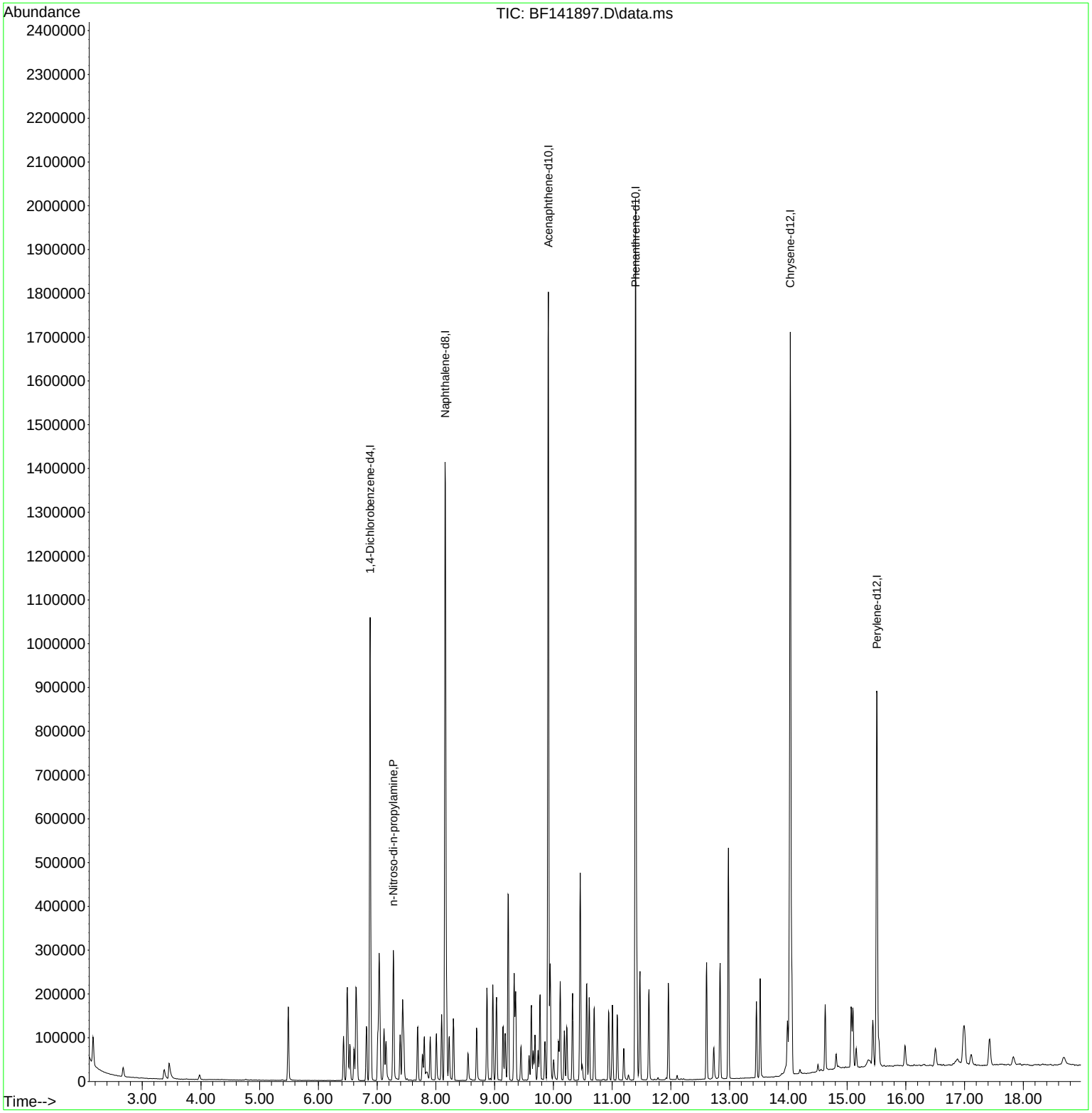
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng		0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng		0.00
86) Perylene-d12	15.504	264	527129	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	145959	10.570	ng		0.00
7) Phenol-d6	6.486	99	186951	10.630	ng		-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng		0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	28210	4.874	ng		99
3) Pyridine	3.451	79	70090	4.928	ng		99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	#	99
6) Aniline	6.534	93	92116	5.305	ng		100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng		98
10) Phenol	6.504	94	98369	5.301	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng		98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng		100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng		98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng		99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng		97
17) 2-Methylphenol	7.116	107	62211	5.114	ng		99
18) Hexachloroethane	7.392	117	31373	5.000	ng		96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng		98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng		97
22) Acetophenone	7.281	105	119040	5.358	ng		99
24) Nitrobenzene	7.451	77	80338	4.904	ng		99
25) Isophorone	7.692	82	149807	5.135	ng		99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng		98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng		97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng		98
31) Naphthalene	8.180	128	255632	5.388	ng		98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng		99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng		99
35) Caprolactam	8.557	113	21358	5.118	ng		94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng		99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng		99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng		99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng		99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng		97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

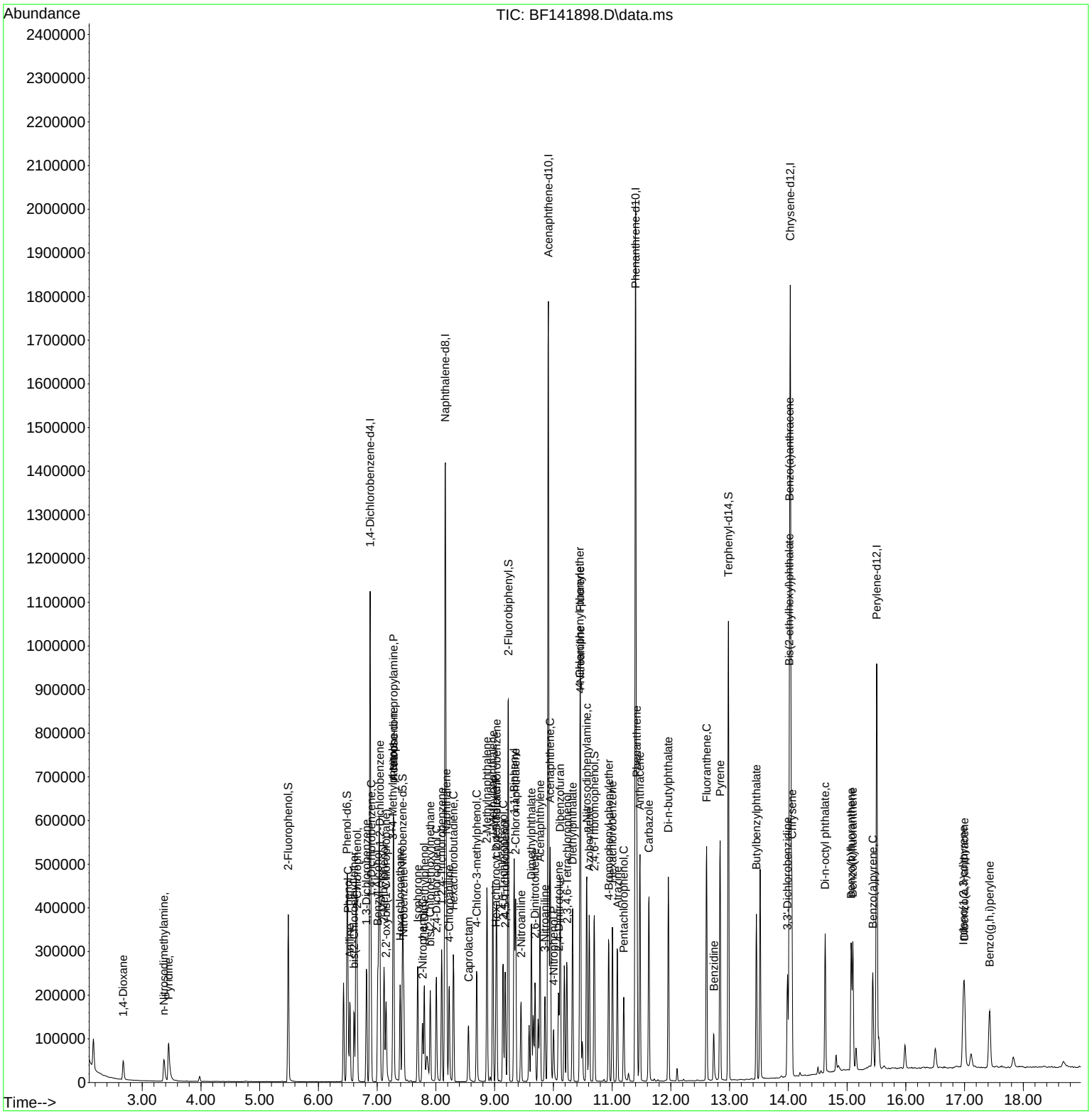
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng		0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng		0.00
86) Perylene-d12	15.510	264	510790	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	279139	20.746	ng		0.00
7) Phenol-d6	6.493	99	357672	20.872	ng		-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng		0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng		98
3) Pyridine	3.440	79	135148	9.752	ng		99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	#	98
6) Aniline	6.540	93	179854	10.631	ng		99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng		97
9) Benzaldehyde	6.428	77	114586	11.963	ng		99
10) Phenol	6.504	94	187967	10.396	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng		99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng		98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng		98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng		98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng		98
17) 2-Methylphenol	7.116	107	117869	9.945	ng		99
18) Hexachloroethane	7.392	117	61809	10.111	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng		97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng		92
22) Acetophenone	7.281	105	227350	10.282	ng		99
24) Nitrobenzene	7.457	77	161777	9.922	ng		99
25) Isophorone	7.692	82	285760	9.842	ng		99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng		98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng		98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng		99
31) Naphthalene	8.181	128	495470	10.493	ng		99
32) Benzoic acid	7.869	122	68640	7.136	ng		98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng		98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng		98
35) Caprolactam	8.563	113	41208	9.922	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng		96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng		99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng		98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng		99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng		99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng		98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng		98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng		98
49) Acenaphthylene	9.775	152	470801	10.383	ng		99
50) Dimethylphthalate	9.628	163	382722	10.176	ng		100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng		97
52) Acenaphthene	9.945	154	323406	10.101	ng		100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng		96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng	#	71
55) Dibenzofuran	10.116	168	483596	10.593	ng		98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng		98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng		98
58) Fluorene	10.463	166	368370	10.452	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng		99
60) Diethylphthalate	10.328	149	398003	10.542	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng		99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng		97
63) Azobenzene	10.610	77	368982	10.521	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng		99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng		97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng		98
69) Atrazine	11.092	200	102822	13.502	ng		99
70) Pentachlorophenol	11.198	266	73112	8.909	ng		99
71) Phenanthrene	11.422	178	556546	10.646	ng		98
72) Anthracene	11.475	178	550767	10.501	ng		100
73) Carbazole	11.628	167	480520	10.641	ng		99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng		99
75) Fluoranthene	12.610	202	592806	10.801	ng		99
77) Benzidine	12.733	184	108761	10.946	ng		99
78) Pyrene	12.839	202	580442	9.626	ng		99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng		98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng		99
83) Chrysene	14.063	228	419687	10.100	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng		99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng		100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng		99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng		99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng		99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng		99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng		98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng		99

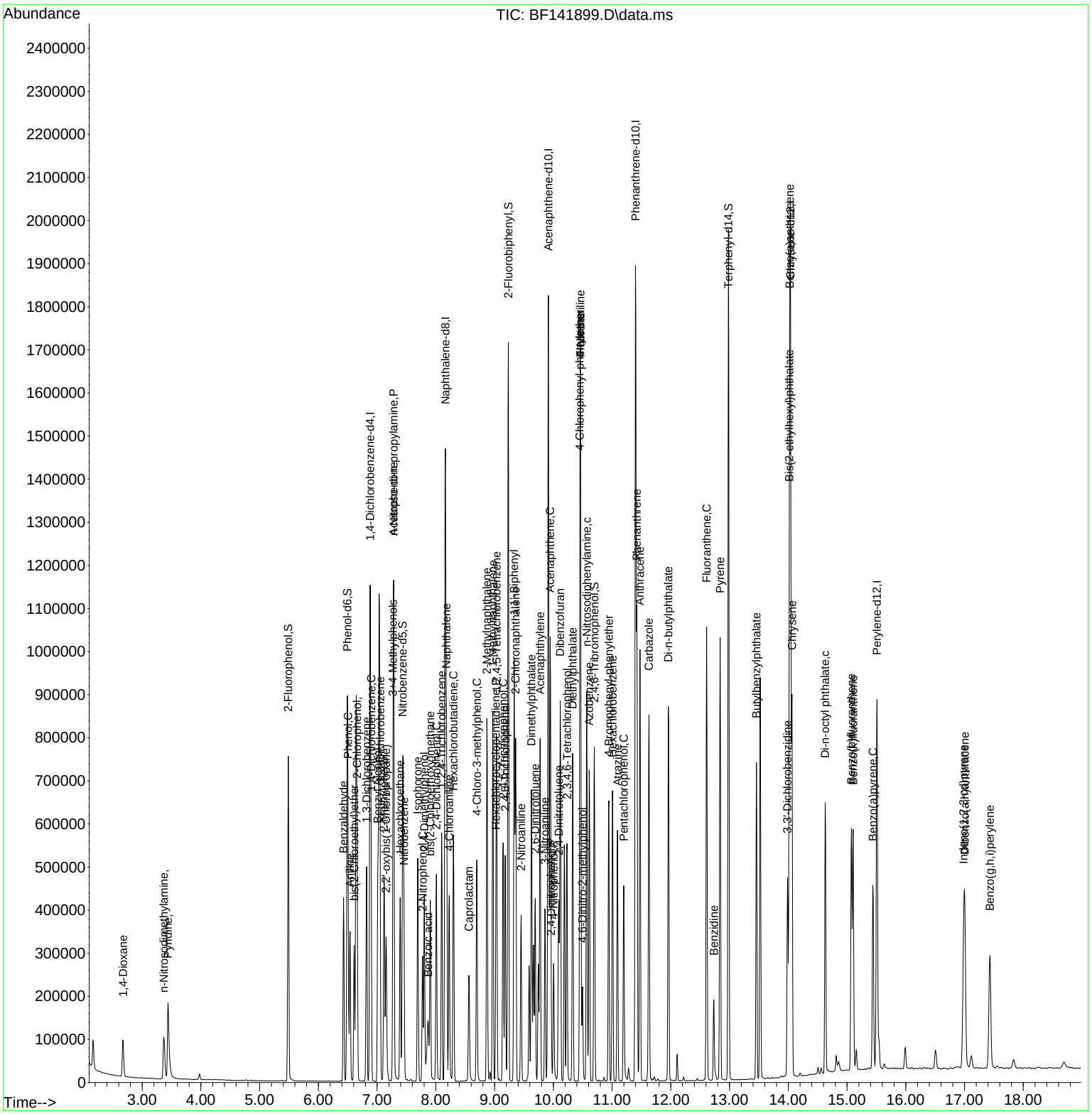
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

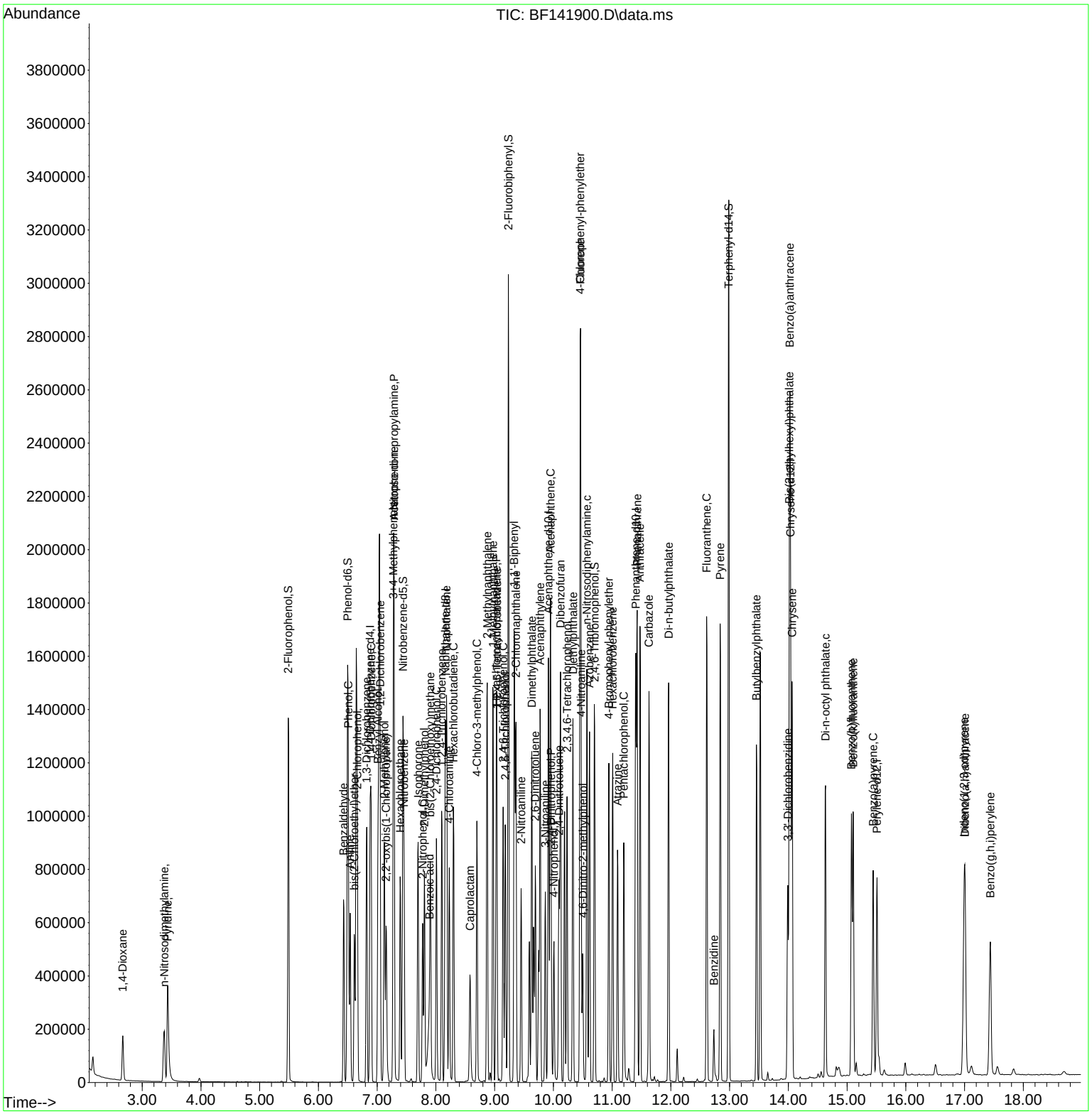
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng		99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng		100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng		98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng		97
49) Acenaphthylene	9.775	152	837016	21.222	ng		99
50) Dimethylphthalate	9.633	163	691454	21.137	ng		100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng		100
52) Acenaphthene	9.951	154	579623	20.813	ng		98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng		98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	#	33
55) Dibenzofuran	10.122	168	843359	21.238	ng		98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng		100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng		98
58) Fluorene	10.463	166	650245	21.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng		99
60) Diethylphthalate	10.333	149	704993	21.468	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	330489	20.698	ng		99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng		99
63) Azobenzene	10.616	77	660935	21.665	ng		99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng		98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng		100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng		99
69) Atrazine	11.092	200	159306	24.481	ng		99
70) Pentachlorophenol	11.198	266	141842	20.227	ng		100
71) Phenanthrene	11.427	178	939782	21.038	ng		99
72) Anthracene	11.474	178	940875	20.993	ng		99
73) Carbazole	11.627	167	813998	21.096	ng		100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng		99
75) Fluoranthene	12.610	202	1014464	21.632	ng		100
77) Benzidine	12.733	184	110648	13.463	ng		99
78) Pyrene	12.839	202	1004157	20.133	ng		99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng		98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng		99
83) Chrysene	14.062	228	732966	21.325	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng		99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng		99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng		100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng		99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng		100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng		99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

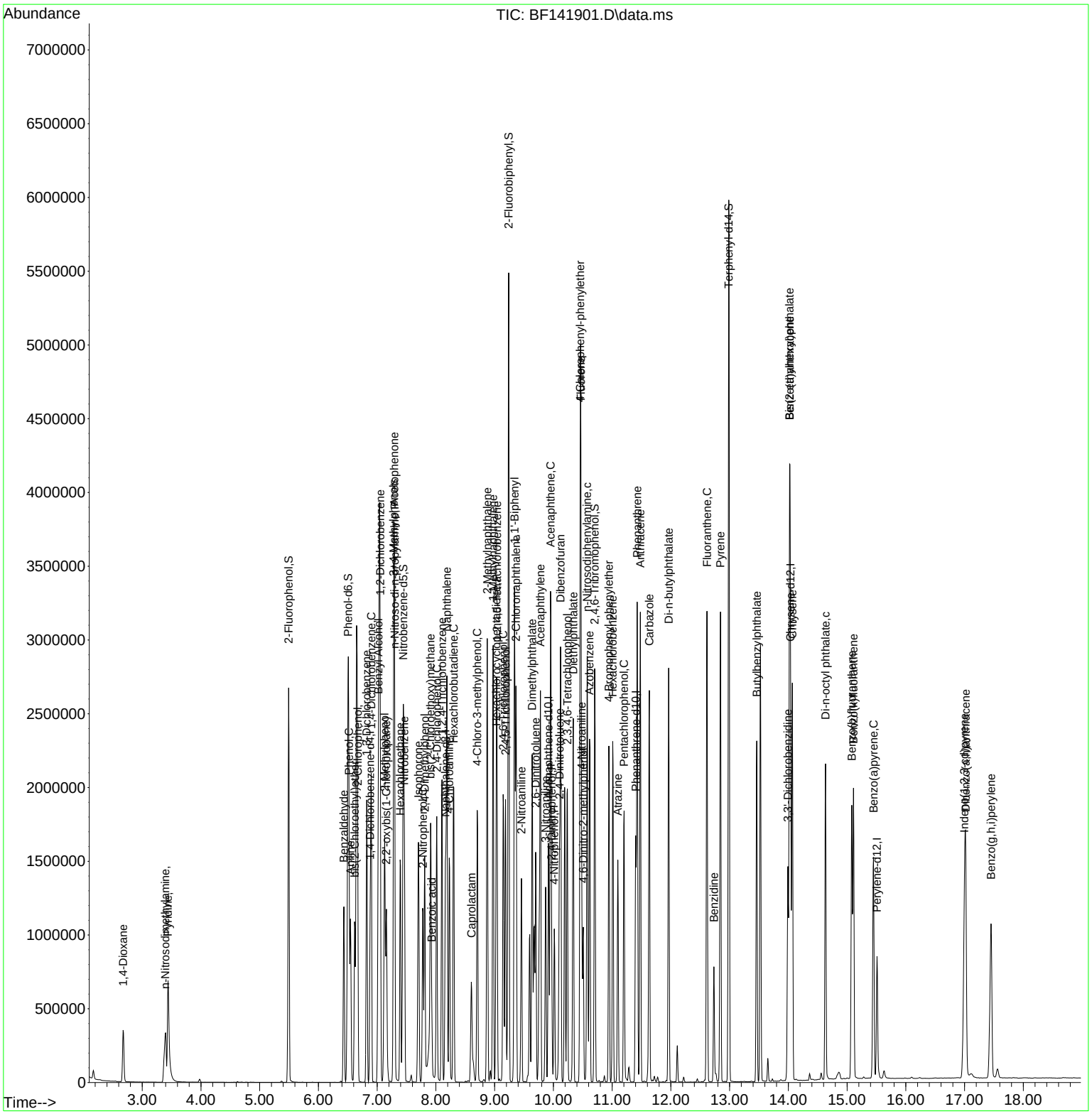
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng		0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng		0.00
86) Perylene-d12	15.509	264	407346	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng		0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng		0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng		0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng		99
3) Pyridine	3.440	79	786537	58.753	ng		99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng		100
6) Aniline	6.551	93	933875	57.146	ng		99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng		97
9) Benzaldehyde	6.434	77	465511	50.311	ng		100
10) Phenol	6.528	94	996848	57.074	ng		95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng		99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng		99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng		99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng		99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng		99
17) 2-Methylphenol	7.134	107	701676	61.285	ng		99
18) Hexachloroethane	7.398	117	364561	61.734	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng		99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	#	81
22) Acetophenone	7.298	105	1226859	58.635	ng		97
24) Nitrobenzene	7.469	77	939508	60.889	ng		100
25) Isophorone	7.710	82	1695749	61.720	ng		100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng		98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng		99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng		99
31) Naphthalene	8.186	128	2545181	56.961	ng		99
32) Benzoic acid	7.951	122	634105	69.664	ng		99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng		99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng		99
35) Caprolactam	8.628	113	235861	60.015	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng		98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng		99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng		99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng		99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng		99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng		100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng		99
49) Acenaphthylene	9.786	152	2379216	57.125	ng		99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng		100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng		99
52) Acenaphthene	9.957	154	1737049	59.065	ng		99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng		100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	#	74
55) Dibenzofuran	10.127	168	2380973	56.781	ng		100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng		98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng		98
58) Fluorene	10.469	166	1840654	56.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng		100
60) Diethylphthalate	10.345	149	1995827	57.552	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng		97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng		100
63) Azobenzene	10.622	77	1829282	56.784	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng		98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng		98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng		97
70) Pentachlorophenol	11.204	266	462709	65.893	ng		100
71) Phenanthrene	11.433	178	2560092	57.232	ng		100
72) Anthracene	11.486	178	2570717	57.281	ng		100
73) Carbazole	11.633	167	2213331	57.284	ng		99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng		99
75) Fluoranthene	12.616	202	2628993	55.984	ng		99
77) Benzidine	12.733	184	386007	58.309	ng		99
78) Pyrene	12.845	202	2562337	63.781	ng		99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng		100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng		100
83) Chrysene	14.068	228	1705257	61.596	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng		99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng		99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng		100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng		99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng		100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng		99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng		99

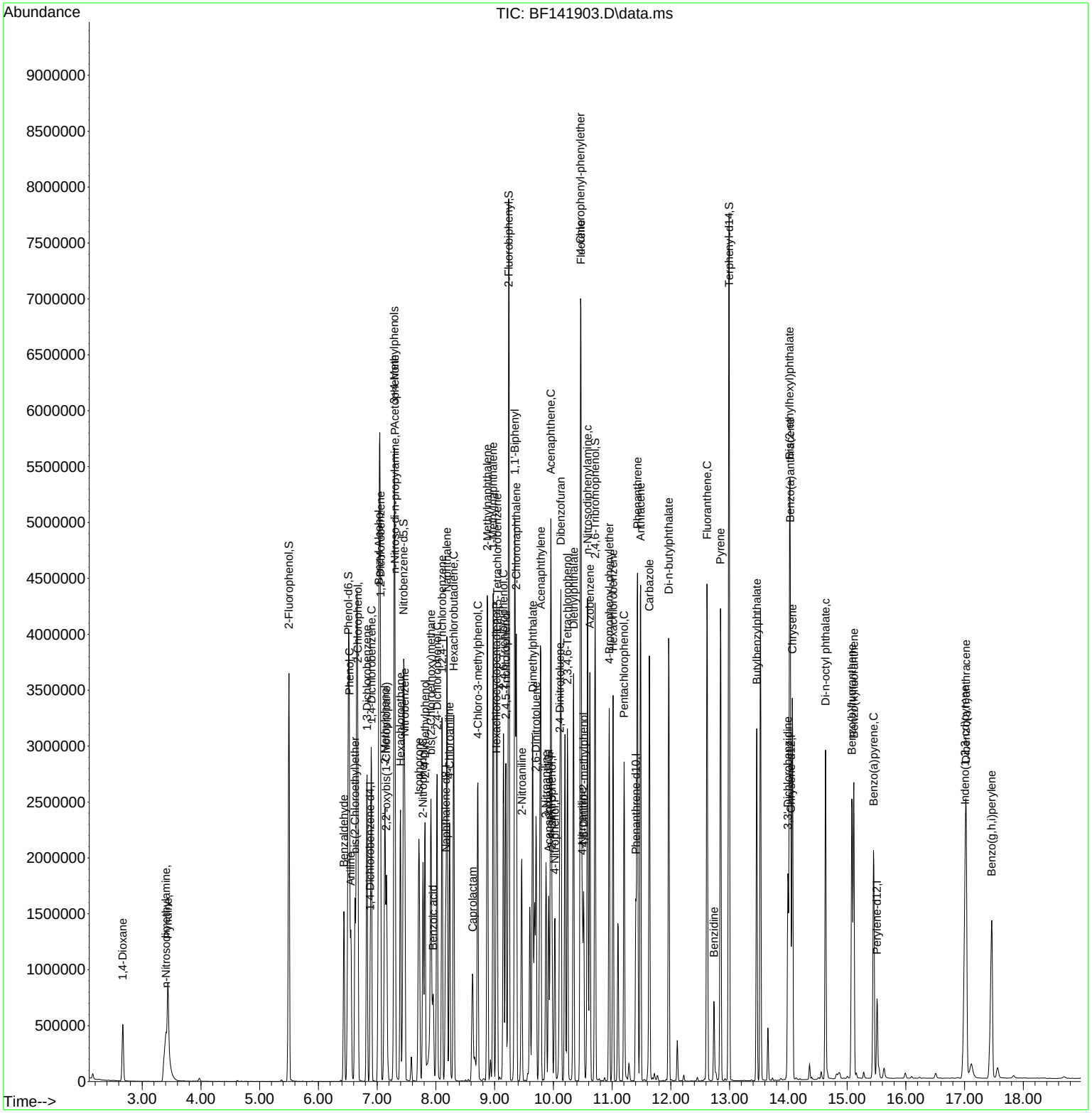
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng		0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng		0.00
86) Perylene-d12	15.510	264	391768	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng		0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng		0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng		0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng		0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng		98
3) Pyridine	3.440	79	1059473	79.923	ng		99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng		99
6) Aniline	6.563	93	1160437	71.712	ng		99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng		98
10) Phenol	6.534	94	1285145	74.308	ng		89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng		99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng		100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng		99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng		99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng		98
17) 2-Methylphenol	7.134	107	876665	77.326	ng		98
18) Hexachloroethane	7.398	117	448765	76.745	ng		96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng		100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	#	84
22) Acetophenone	7.304	105	1496035	75.498	ng	#	95
24) Nitrobenzene	7.475	77	1162753	79.572	ng		100
25) Isophorone	7.722	82	2056405	79.032	ng		100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng		99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng		100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng		99
31) Naphthalene	8.192	128	3152444	74.497	ng		99
32) Benzoic acid	7.975	122	795850	92.323	ng		98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng		100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng		99
35) Caprolactam	8.639	113	311758m	83.763	ng		
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng		99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng		100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng		98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng		100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	9.345	154	2626697	76.503	ng		99
47)	2-Chloronaphthalene	9.369	162	1992242	77.859	ng		99
48)	2-Nitroaniline	9.463	65	597778	81.326	ng		98
49)	Acenaphthylene	9.786	152	2878496	75.877	ng		99
50)	Dimethylphthalate	9.657	163	2428843	77.192	ng		100
51)	2,6-Dinitrotoluene	9.710	165	529139	80.867	ng		99
52)	Acenaphthene	9.957	154	2085941	77.872	ng		99
53)	3-Nitroaniline	9.881	138	526980	78.435	ng		100
54)	2,4-Dinitrophenol	9.981	184	305399	81.479	ng	#	55
55)	Dibenzofuran	10.128	168	2844432	74.474	ng		99
56)	4-Nitrophenol	10.033	139	416153	82.456	ng		97
57)	2,4-Dinitrotoluene	10.116	165	681278	79.099	ng		95
58)	Fluorene	10.475	166	2210653	74.974	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng		99
60)	Diethylphthalate	10.345	149	2358921	74.681	ng		99
61)	4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng		97
62)	4-Nitroaniline	10.504	138	502894	77.243	ng		98
63)	Azobenzene	10.622	77	2168742	73.911	ng		99
65)	4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng		98
66)	n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng		99
67)	4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng		95
68)	Hexachlorobenzene	11.016	284	862357	84.832	ng		97
70)	Pentachlorophenol	11.210	266	563030	89.813	ng		100
71)	Phenanthrene	11.433	178	3020950	75.649	ng		99
72)	Anthracene	11.486	178	3031014	75.653	ng		99
73)	Carbazole	11.639	167	2552563	74.002	ng		98
74)	Di-n-butylphthalate	11.969	149	3342776	73.399	ng		99
75)	Fluoranthene	12.622	202	3005566	71.694	ng		99
77)	Benzidine	12.733	184	427770	71.330	ng		99
78)	Pyrene	12.851	202	2930115	80.513	ng		99
80)	Butylbenzylphthalate	13.463	149	1149989	80.189	ng		99
81)	Benzo(a)anthracene	14.033	228	2196935	78.692	ng		100
82)	3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng		99
83)	Chrysene	14.074	228	2018832	80.498	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng		98
85)	Di-n-octyl phthalate	14.633	149	2310836	84.386	ng		100
87)	Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng		99
88)	Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng		99
89)	Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng		99
90)	Benzo(a)pyrene	15.457	252	1725632	82.339	ng		100
91)	Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng		99
92)	Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng		99

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

ICAL Form

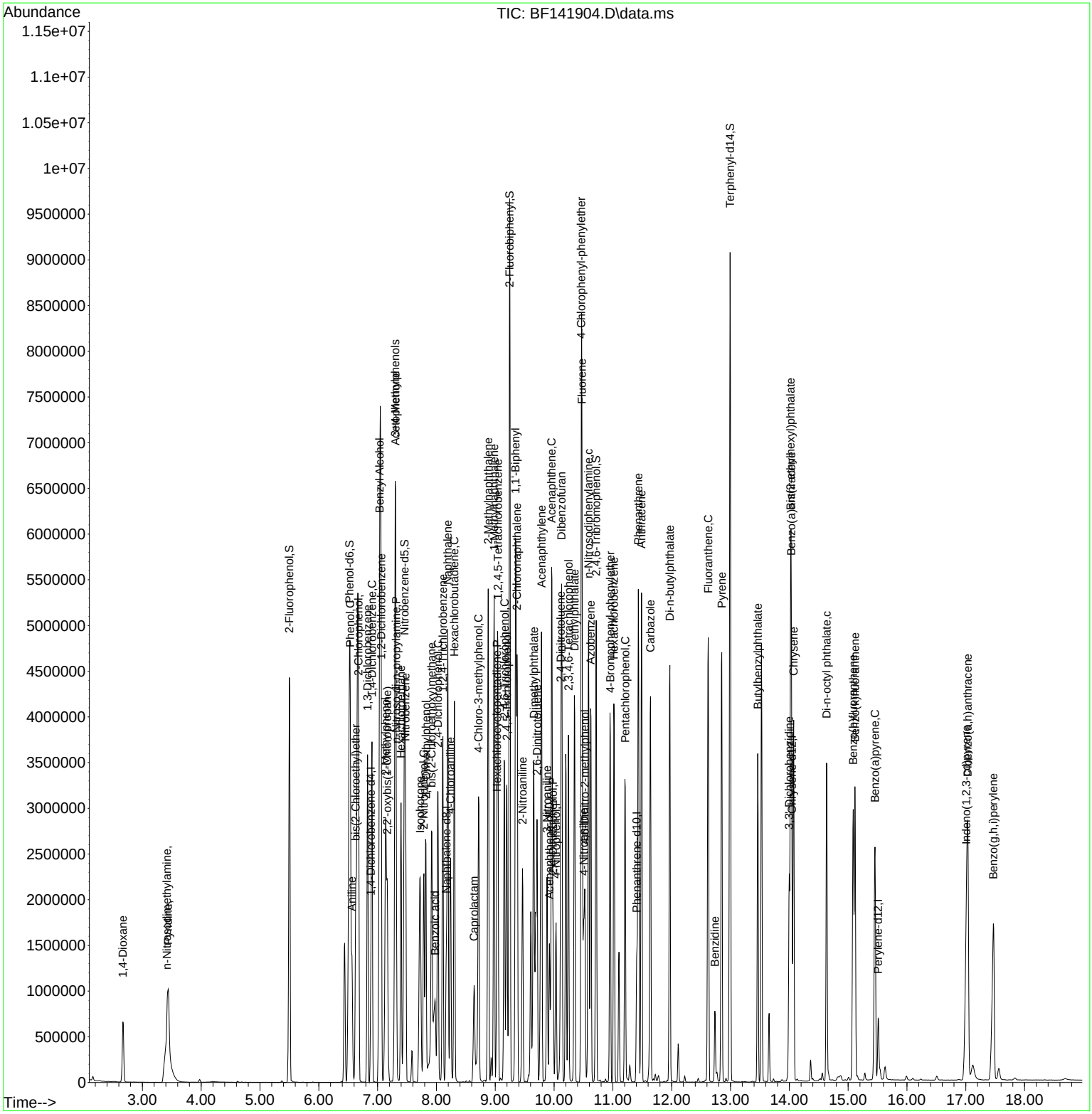
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng		0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng		0.00
86) Perylene-d12	15.509	264	413564	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng		0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng		0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng		0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng		99
3) Pyridine	3.434	79	646627	48.716	ng		99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng		99
6) Aniline	6.545	93	775854	47.884	ng		99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng		100
9) Benzaldehyde	6.434	77	418049	45.569	ng		99
10) Phenol	6.522	94	829086	47.876	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng		100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng		99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng		100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng		100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng		100
17) 2-Methylphenol	7.128	107	557981	49.153	ng		99
18) Hexachloroethane	7.392	117	290127	49.551	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng		99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	#	86
22) Acetophenone	7.292	105	987577	46.924	ng		97
24) Nitrobenzene	7.463	77	752936	48.514	ng		99
25) Isophorone	7.704	82	1327254	48.027	ng		99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng		100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng		100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng		99
31) Naphthalene	8.186	128	2196111	48.863	ng		100
32) Benzoic acid	7.939	122	500593	54.676	ng		100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng		99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng		99
35) Caprolactam	8.616	113	193267	48.891	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng		100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng		100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng		99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng		99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng		99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng		99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng		97
49) Acenaphthylene	9.780	152	2005538	49.674	ng		100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng		100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng		96
52) Acenaphthene	9.957	154	1377901	48.333	ng		98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng		100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng	#	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng		99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng		99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng		97
58) Fluorene	10.469	166	1497123	47.708	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng		100
60) Diethylphthalate	10.339	149	1635073	48.639	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng		99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng		99
63) Azobenzene	10.622	77	1519356	48.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng		97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng		97
69) Atrazine	11.104	200	418147	65.441	ng		99
70) Pentachlorophenol	11.204	266	365292	53.050	ng		99
71) Phenanthrene	11.433	178	2080633	47.434	ng		100
72) Anthracene	11.480	178	2081490	47.299	ng		99
73) Carbazole	11.633	167	1831424	48.338	ng		99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng		99
75) Fluoranthene	12.616	202	2328357	50.564	ng		99
77) Benzidine	12.733	184	270893	38.966	ng		99
78) Pyrene	12.845	202	2308671	54.723	ng		100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng		99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng		99
83) Chrysene	14.068	228	1465389	50.404	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng		99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng		99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng		99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng		100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng		99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng		99

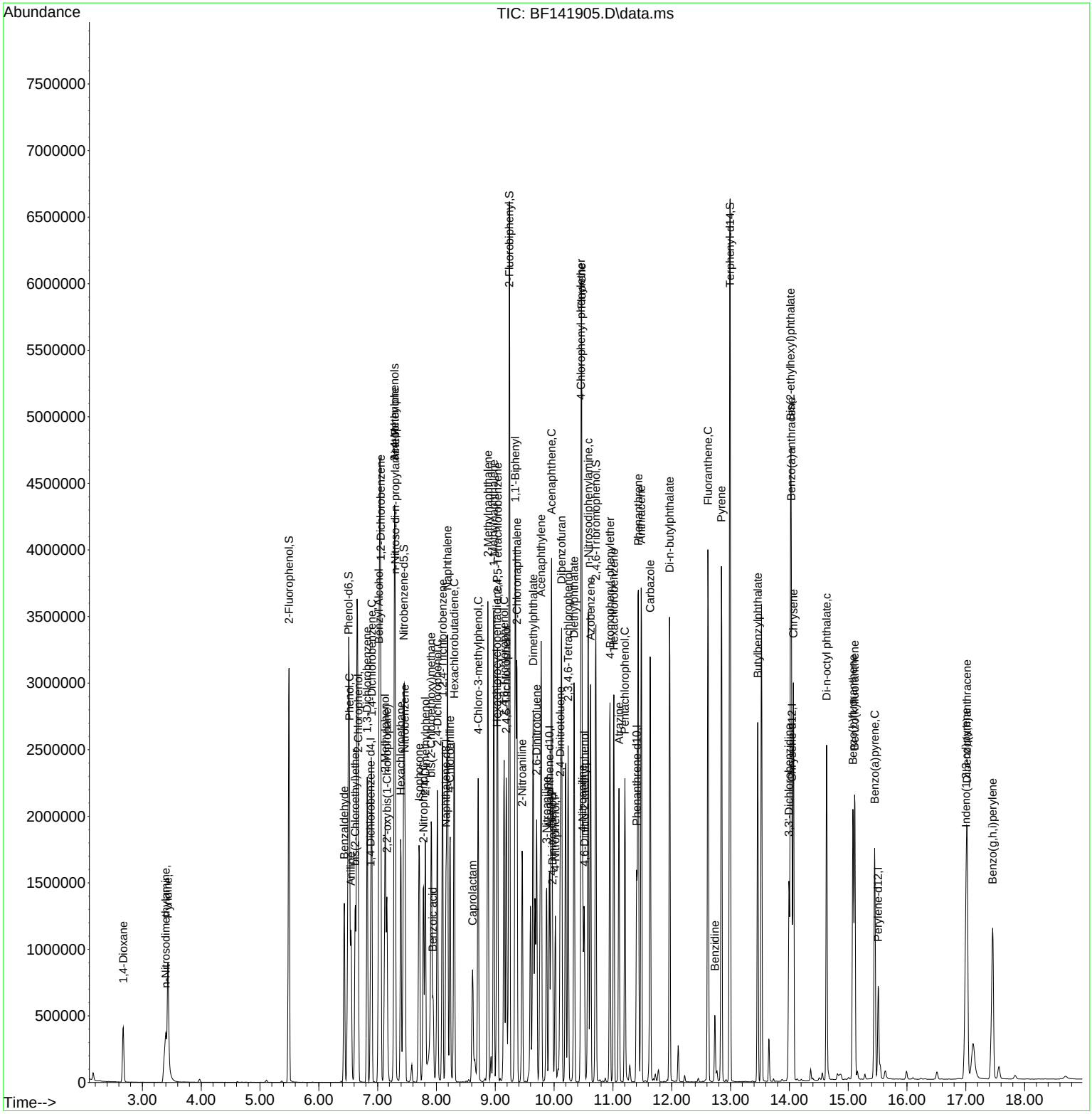
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

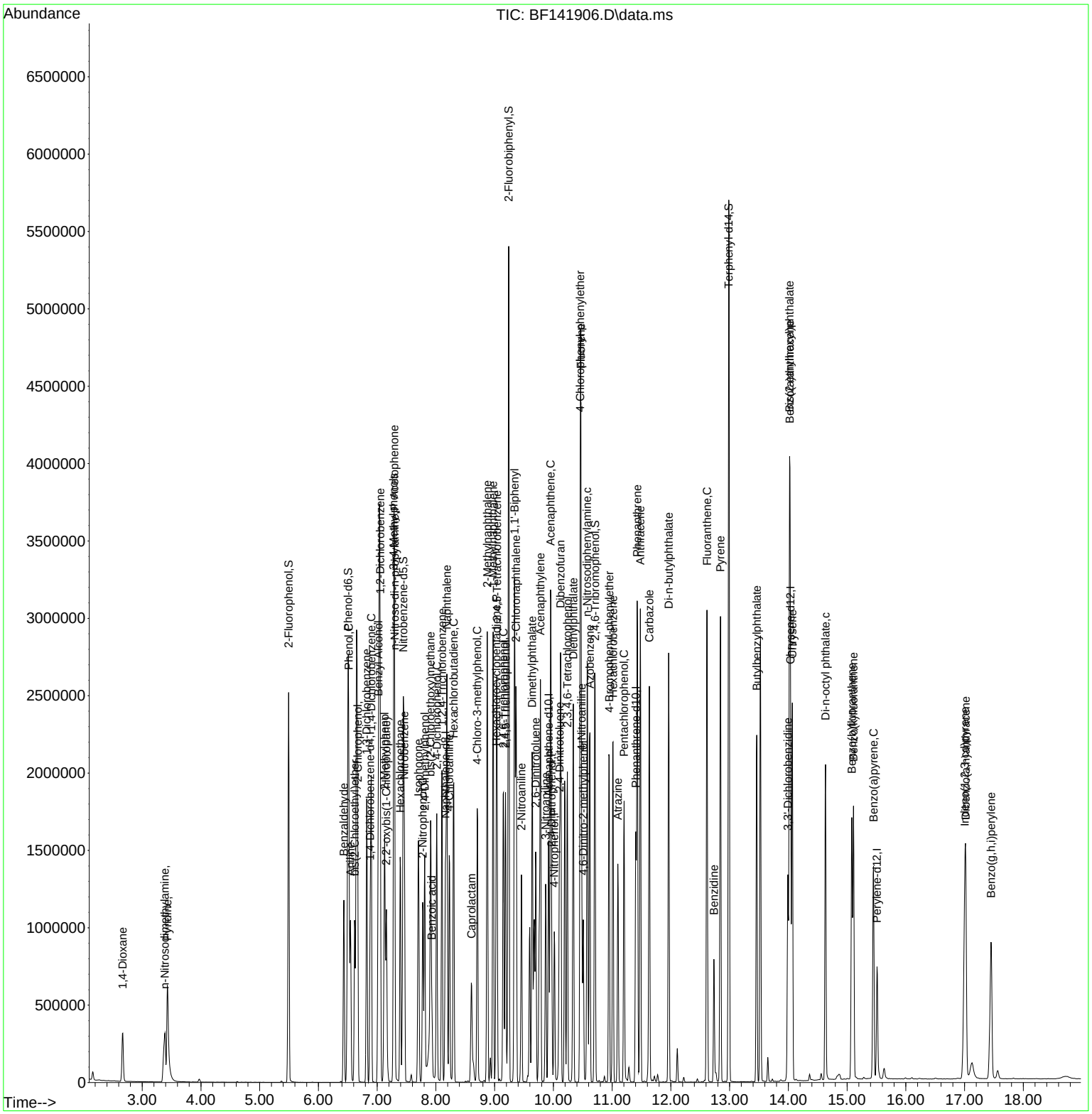
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	94	0.00
2		1,4-Dioxane	0.502	0.485	3.4	91	0.00
3		Pyridine	1.232	1.202	2.4	93	-0.01
4		n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5	S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6		Aniline	1.505	1.466	2.6	94	0.00
7	S	Phenol-d6	1.526	1.468	3.8	96	0.00
8		2-Chlorophenol	1.329	1.287	3.2	96	0.00
9		Benzaldehyde	0.853	0.810	5.0	98	0.00
10	C	Phenol	1.605	1.570	2.2	96	0.00
11		bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12		1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14		1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15		Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17		2-Methylphenol	1.057	1.024	3.1	96	0.00
18		Hexachloroethane	0.544	0.528	2.9	96	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20		3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.451	5.8	94	0.00
23	S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24		Nitrobenzene	0.353	0.344	2.5	96	0.00
25		Isophorone	0.628	0.599	4.6	96	0.00
26	C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27		2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30		1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31		Naphthalene	1.027	0.972	5.4	95	0.00
32		Benzoic acid	0.210	0.222	-5.7	103	0.00
33		4-Chloroaniline	0.363	0.352	3.0	97	0.00
34	C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35		Caprolactam	0.090	0.084	6.7	96	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37		2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38		1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42	S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44		2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46		1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47		2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.319	2.7	97	0.00
49		Acenaphthylene	1.681	1.585	5.7	95	0.00
50		Dimethylphthalate	1.401	1.317	6.0	97	0.00
51		2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52	C	Acenaphthene	1.181	1.134	4.0	97	0.00
53		3-Nitroaniline	0.296	0.285	3.7	95	0.00
54	P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55		Dibenzofuran	1.688	1.594	5.6	97	0.00
56	P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57		2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58		Fluorene	1.302	1.216	6.6	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60		Diethylphthalate	1.397	1.338	4.2	98	0.00
61		4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	95	0.00
63		Azobenzene	1.298	1.231	5.2	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68		Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69		Atrazine	0.198	0.158	20.2	94	0.00
70	C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71		Phenanthrene	1.080	1.036	4.1	97	0.00
72		Anthracene	1.084	1.029	5.1	95	0.00
73		Carbazole	0.935	0.892	4.6	95	0.00
74		Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75	C	Fluoranthene	1.146	1.076	6.1	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.279	0.401	-43.7#	103	0.00
78		Pyrene	1.730	1.667	3.6	95	0.00
79	S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80		Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81		Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82		3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83		Chrysene	1.190	1.106	7.1	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85	c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88		Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89		Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90	C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91		Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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\BF031025\
Data File : BF141906.D
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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	94	0.00
2		1,4-Dioxane	40.000	38.670	3.3	91	0.00
3		Pyridine	40.000	39.050	2.4	93	-0.01
4		n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5	S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6		Aniline	40.000	38.958	2.6	94	0.00
7	S	Phenol-d6	80.000	76.962	3.8	96	0.00
8		2-Chlorophenol	40.000	38.721	3.2	96	0.00
9		Benzaldehyde	40.000	37.950	5.1	98	0.00
10	C	Phenol	40.000	39.115	2.2	96	0.00
11		bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12		1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13	C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15		Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17		2-Methylphenol	40.000	38.775	3.1	96	0.00
18		Hexachloroethane	40.000	38.797	3.0	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20		3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.650	5.9	94	0.00
23	S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24		Nitrobenzene	40.000	38.980	2.6	96	0.00
25		Isophorone	40.000	38.163	4.6	96	0.00
26	C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27		2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30		1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31		Naphthalene	40.000	37.827	5.4	95	0.00
32		Benzoic acid	40.000	42.303	-5.8	103	0.00
33		4-Chloroaniline	40.000	38.847	2.9	97	0.00
34	C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35		Caprolactam	40.000	37.276	6.8	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38		1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42	S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44		2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46		1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47		2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	38.908	2.7	97	0.00
49		Acenaphthylene	40.000	37.725	5.7	95	0.00
50		Dimethylphthalate	40.000	37.611	6.0	97	0.00
51		2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52	C	Acenaphthene	40.000	38.405	4.0	97	0.00
53		3-Nitroaniline	40.000	38.561	3.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55		Dibenzofuran	40.000	37.778	5.6	97	0.00
56	P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57		2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58		Fluorene	40.000	37.381	6.5	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60		Diethylphthalate	40.000	38.337	4.2	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62		4-Nitroaniline	40.000	38.953	2.6	95	0.00
63		Azobenzene	40.000	37.911	5.2	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68		Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69		Atrazine	40.000	31.945	20.1	94	0.00
70	C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71		Phenanthrene	40.000	38.357	4.1	97	0.00
72		Anthracene	40.000	37.991	5.0	95	0.00
73		Carbazole	40.000	38.167	4.6	95	0.00
74		Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75	C	Fluoranthene	40.000	37.545	6.1	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	57.513	-43.8#	103	0.00
78		Pyrene	40.000	38.539	3.7	95	0.00
79	S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81		Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82		3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83		Chrysene	40.000	37.195	7.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88		Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89		Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90	C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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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: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date/Time: 03/25/2025 10:09

Lab File ID: BF142068.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.232	1.105		-10.3	
2-Fluorophenol	1.198	1.114		-7.0	
Phenol-d6	1.526	1.410		-7.6	
1,4-Dichlorobenzene	1.452	1.394		-4.0	20.0
2-Methylphenol	1.057	0.968		-8.4	
3+4-Methylphenols	1.354	1.221		-9.8	
Nitrobenzene-d5	0.355	0.354		-0.3	
Hexachloroethane	0.544	0.512		-5.9	
Nitrobenzene	0.353	0.340		-3.7	
Hexachlorobutadiene	0.213	0.215		0.9	20.0
2,4,6-Trichlorophenol	0.398	0.377		-5.3	20.0
2-Fluorobiphenyl	1.315	1.251		-4.9	
2,4,5-Trichlorophenol	0.403	0.413		2.5	
2,4-Dinitrotoluene	0.381	0.386		1.3	
2,4,6-Tribromophenol	0.254	0.262		3.2	
Hexachlorobenzene	0.275	0.279		1.5	
Pentachlorophenol	0.170	0.174		2.4	20.0
Terphenyl-d14	1.353	1.473		8.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142068.D
Acq On : 25 Mar 2025 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 25 11:20:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	160336	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	599217	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	347065	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	578583	20.000	ng	0.00
76) Chrysene-d12	14.033	240	306767	20.000	ng	0.00
86) Perylene-d12	15.510	264	312865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	714407	74.364	ng	0.00
7) Phenol-d6	6.504	99	904122	73.916	ng	0.00
23) Nitrobenzene-d5	7.440	82	848620	79.699	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	364394	82.761	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1736828	76.106	ng	0.00
79) Terphenyl-d14	12.980	244	1807796	87.126	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	147438	36.628	ng	97
3) Pyridine	3.399	79	354446	35.897	ng	97
4) n-Nitrosodimethylamine	3.346	42	158704	33.718	ng	95
6) Aniline	6.540	93	427152	35.400	ng	100
8) 2-Chlorophenol	6.663	128	403852	37.903	ng	98
9) Benzaldehyde	6.428	77	255343	37.326	ng	98
10) Phenol	6.516	94	471021	36.604	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	344092	35.611	ng	98
12) 1,3-Dichlorobenzene	6.816	146	438893	38.155	ng	99
13) 1,4-Dichlorobenzene	6.893	146	447039	38.410	ng	99
14) 1,2-Dichlorobenzene	7.045	146	415389	37.892	ng	99
15) Benzyl Alcohol	7.016	79	360226	36.428	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	390448	33.471	ng	97
17) 2-Methylphenol	7.122	107	310274	36.625	ng	99
18) Hexachloroethane	7.387	117	164258	37.636	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	265879	33.829	ng	99
20) 3+4-Methylphenols	7.275	107	391386	36.069	ng	93
22) Acetophenone	7.287	105	548318	38.211	ng	99
24) Nitrobenzene	7.457	77	407547	38.501	ng	98
25) Isophorone	7.692	82	673127	35.763	ng	100
26) 2-Nitrophenol	7.775	139	219178	42.188	ng	97
27) 2,4-Dimethylphenol	7.804	122	264961	37.039	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	427999	36.255	ng	99
29) 2,4-Dichlorophenol	8.010	162	350557	39.480	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	384423	39.286	ng	99
31) Naphthalene	8.181	128	1185441	38.512	ng	99
32) Benzoic acid	7.916	122	255444	40.622	ng	97
33) 4-Chloroaniline	8.228	127	422217	38.856	ng	97
34) Hexachlorobutadiene	8.292	225	257520	40.354	ng	99
35) Caprolactam	8.598	113	103032	38.060	ng	90
36) 4-Chloro-3-methylphenol	8.704	107	374971	37.857	ng	98
37) 2-Methylnaphthalene	8.869	142	773404	37.591	ng	99
38) 1-Methylnaphthalene	8.969	142	753814	37.968	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	405610	38.386	ng	98
41) Hexachlorocyclopentadiene	9.022	237	140476	33.969	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	261481	37.864	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142068.D
Acq On : 25 Mar 2025 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 25 11:20:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	286893	41.019	ng		98
46) 1,1'-Biphenyl	9.334	154	991976	37.617	ng		99
47) 2-Chloronaphthalene	9.357	162	744305	37.868	ng		99
48) 2-Nitroaniline	9.451	65	215813	37.922	ng		96
49) Acenaphthylene	9.775	152	1125155	38.575	ng		100
50) Dimethylphthalate	9.633	163	937767	38.585	ng		100
51) 2,6-Dinitrotoluene	9.692	165	204090	40.331	ng		95
52) Acenaphthene	9.945	154	803778	39.213	ng		100
53) 3-Nitroaniline	9.863	138	194286	37.850	ng		97
54) 2,4-Dinitrophenol	9.969	184	112832	42.593	ng	#	48
55) Dibenzofuran	10.116	168	1109401	37.878	ng		99
56) 4-Nitrophenol	10.016	139	150918	38.987	ng		95
57) 2,4-Dinitrotoluene	10.098	165	267886	40.532	ng		97
58) Fluorene	10.463	166	869463	38.495	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	257133	40.401	ng		97
60) Diethylphthalate	10.328	149	929683	38.362	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	456441	38.762	ng		97
62) 4-Nitroaniline	10.475	138	187806	37.581	ng		96
63) Azobenzene	10.610	77	830289	36.851	ng		97
65) 4,6-Dinitro-2-methylph...	10.504	198	163306	47.346	ng		98
66) n-Nitrosodiphenylamine	10.569	169	739498	39.496	ng		99
67) 4-Bromophenyl-phenylether	10.939	248	284042	39.090	ng		98
68) Hexachlorobenzene	11.010	284	323290	40.566	ng		94
69) Atrazine	11.092	200	233966	40.762	ng		99
70) Pentachlorophenol	11.198	266	201095	40.954	ng		99
71) Phenanthrene	11.422	178	1188534	38.032	ng		99
72) Anthracene	11.475	178	1195431	38.128	ng		100
73) Carbazole	11.628	167	983300	36.366	ng		100
74) Di-n-butylphthalate	11.957	149	1362507	37.976	ng		99
75) Fluoranthene	12.610	202	1183190	35.692	ng		99
77) Benzidine	12.733	184	130623	30.520	ng		100
78) Pyrene	12.839	202	1152300	43.425	ng		99
80) Butylbenzylphthalate	13.451	149	419411	40.382	ng		99
81) Benzo(a)anthracene	14.027	228	783015	38.898	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	230748	39.666	ng		98
83) Chrysene	14.063	228	693294	37.994	ng		100
84) Bis(2-ethylhexyl)phtha...	14.010	149	543249	37.936	ng		99
85) Di-n-octyl phthalate	14.621	149	771392	38.714	ng		98
87) Indeno(1,2,3-cd)pyrene	16.998	276	681983	33.697	ng		97
88) Benzo(b)fluoranthene	15.074	252	790046	36.845	ng		99
89) Benzo(k)fluoranthene	15.104	252	621193	33.853	ng		99
90) Benzo(a)pyrene	15.445	252	624421	37.217	ng		99
91) Dibenzo(a,h)anthracene	17.015	278	537010	32.159	ng		98
92) Benzo(g,h,i)perylene	17.445	276	536380	32.505	ng		98

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

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Sample : SSTDCCC040
Misc :
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Instrument :
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SSTDCCC040

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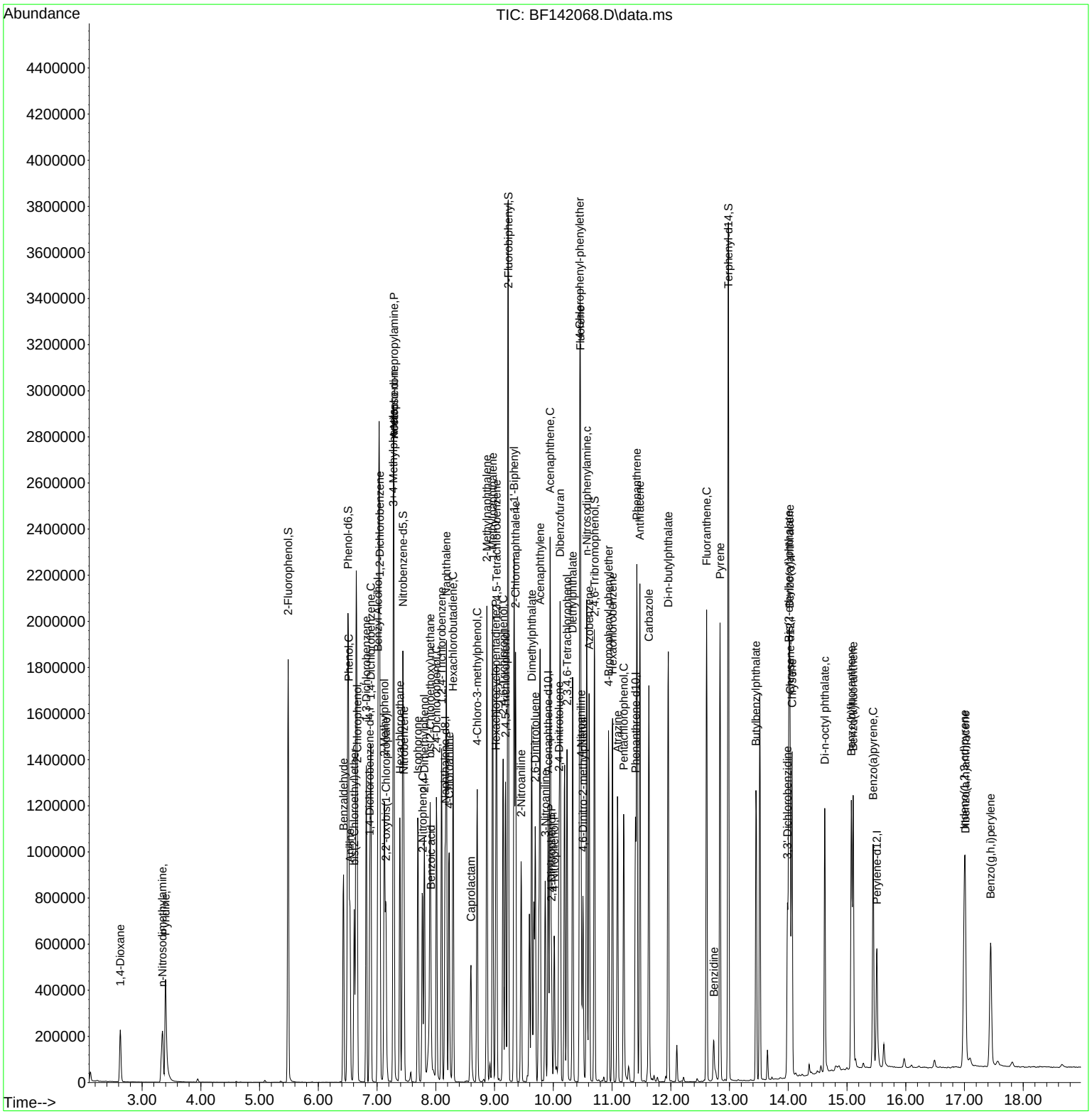

Sample Results: **BF142068.D**

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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	72	0.00
2		1,4-Dioxane	40.000	36.628	8.4	66	-0.05
3		Pyridine	40.000	35.897	10.3	65	-0.04
4		n-Nitrosodimethylamine	40.000	33.718	15.7	61	-0.05
5	S	2-Fluorophenol	80.000	74.364	7.0	70	0.00
6		Aniline	40.000	35.400	11.5	65	0.00
7	S	Phenol-d6	80.000	73.916	7.6	70	0.00
8		2-Chlorophenol	40.000	37.903	5.2	72	0.00
9		Benzaldehyde	40.000	37.326	6.7	74	0.00
10	C	Phenol	40.000	36.604	8.5	69	0.00
11		bis(2-Chloroethyl)ether	40.000	35.611	11.0	67	0.00
12		1,3-Dichlorobenzene	40.000	38.155	4.6	72	0.00
13	C	1,4-Dichlorobenzene	40.000	38.410	4.0	72	0.00
14		1,2-Dichlorobenzene	40.000	37.892	5.3	71	0.00
15		Benzyl Alcohol	40.000	36.428	8.9	68	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.471	16.3	64	0.00
17		2-Methylphenol	40.000	36.625	8.4	69	0.00
18		Hexachloroethane	40.000	37.636	5.9	71	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	33.829	15.4	65	-0.01
20		3+4-Methylphenols	40.000	36.069	9.8	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	69	0.00
22		Acetophenone	40.000	38.211	4.5	68	0.00
23	S	Nitrobenzene-d5	80.000	79.699	0.4	70	0.00
24		Nitrobenzene	40.000	38.501	3.7	67	0.00
25		Isophorone	40.000	35.763	10.6	64	-0.01
26	C	2-Nitrophenol	40.000	42.188	-5.5	72	0.00
27		2,4-Dimethylphenol	40.000	37.039	7.4	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.255	9.4	66	0.00
29	C	2,4-Dichlorophenol	40.000	39.480	1.3	70	0.00
30		1,2,4-Trichlorobenzene	40.000	39.286	1.8	71	0.00
31		Naphthalene	40.000	38.512	3.7	69	0.00
32		Benzoic acid	40.000	40.622	-1.6	70	-0.01
33		4-Chloroaniline	40.000	38.856	2.9	69	0.00
34	C	Hexachlorobutadiene	40.000	40.354	-0.9	72	-0.01
35		Caprolactam	40.000	38.060	4.8	70	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.857	5.4	68	0.00
37		2-Methylnaphthalene	40.000	37.591	6.0	68	0.00
38		1-Methylnaphthalene	40.000	37.968	5.1	69	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.386	4.0	69	0.00
41	P	Hexachlorocyclopentadiene	40.000	33.969	15.1	57	0.00
42	S	2,4,6-Tribromophenol	80.000	82.761	-3.5	74	0.00
43	C	2,4,6-Trichlorophenol	40.000	37.864	5.3	67	0.00
44		2,4,5-Trichlorophenol	40.000	41.019	-2.5	75	0.00
45	S	2-Fluorobiphenyl	80.000	76.106	4.9	70	0.00
46		1,1'-Biphenyl	40.000	37.617	6.0	69	0.00
47		2-Chloronaphthalene	40.000	37.868	5.3	69	0.00

Sample Results: **BF142068.D**

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Operator : RC/JU
Sample : SSTDCCC040
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Mar 25 11:20:23 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.922	5.2	68	0.00
49		Acenaphthylene	40.000	38.575	3.6	70	0.00
50		Dimethylphthalate	40.000	38.585	3.5	71	0.00
51		2,6-Dinitrotoluene	40.000	40.331	-0.8	72	0.00
52	C	Acenaphthene	40.000	39.213	2.0	71	0.00
53		3-Nitroaniline	40.000	37.850	5.4	67	0.00
54	P	2,4-Dinitrophenol	40.000	42.593	-6.5	81	0.00
55		Dibenzofuran	40.000	37.878	5.3	70	0.00
56	P	4-Nitrophenol	40.000	38.987	2.5	66	0.00
57		2,4-Dinitrotoluene	40.000	40.532	-1.3	72	0.00
58		Fluorene	40.000	38.495	3.8	72	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.401	-1.0	72	0.00
60		Diethylphthalate	40.000	38.362	4.1	70	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.762	3.1	72	0.00
62		4-Nitroaniline	40.000	37.581	6.0	66	0.00
63		Azobenzene	40.000	36.851	7.9	68	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	40.000	47.346	-18.4	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.496	1.3	71	0.00
67		4-Bromophenyl-phenylether	40.000	39.090	2.3	69	0.00
68		Hexachlorobenzene	40.000	40.566	-1.4	71	0.00
69		Atrazine	40.000	40.762	-1.9	85	0.00
70	C	Pentachlorophenol	40.000	40.954	-2.4	68	0.00
71		Phenanthrene	40.000	38.032	4.9	68	0.00
72		Anthracene	40.000	38.128	4.7	68	0.00
73		Carbazole	40.000	36.366	9.1	64	0.00
74		Di-n-butylphthalate	40.000	37.976	5.1	69	0.00
75	C	Fluoranthene	40.000	35.692	10.8	64	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	54	0.00
77		Benzidine	40.000	30.520	23.7	32	0.00
78		Pyrene	40.000	43.425	-8.6	63	0.00
79	S	Terphenyl-d14	80.000	87.126	-8.9	62	0.00
80		Butylbenzylphthalate	40.000	40.382	-1.0	56	-0.01
81		Benzo(a)anthracene	40.000	38.898	2.8	54	0.00
82		3,3'-Dichlorobenzidine	40.000	39.666	0.8	54	0.00
83		Chrysene	40.000	37.994	5.0	54	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.936	5.2	53	-0.01
85	c	Di-n-octyl phthalate	40.000	38.714	3.2	54	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	67	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	33.697	15.8	56	0.00
88		Benzo(b)fluoranthene	40.000	36.845	7.9	70	0.00
89		Benzo(k)fluoranthene	40.000	33.853	15.4	55	0.00
90	C	Benzo(a)pyrene	40.000	37.217	7.0	64	0.00
91		Dibenzo(a,h)anthracene	40.000	32.159	19.6	54	0.00
92		Benzo(g,h,i)perylene	40.000	32.505	18.7	54	0.00

Sample Results: **BF142068.D**

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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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)

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

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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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
2		1,4-Dioxane	0.502	0.460	8.4	66	-0.05
3		Pyridine	1.232	1.105	10.3	65	-0.04
4		n-Nitrosodimethylamine	0.587	0.495	15.7	61	-0.05
5	S	2-Fluorophenol	1.198	1.114	7.0	70	0.00
6		Aniline	1.505	1.332	11.5	65	0.00
7	S	Phenol-d6	1.526	1.410	7.6	70	0.00
8		2-Chlorophenol	1.329	1.259	5.3	72	0.00
9		Benzaldehyde	0.853	0.796	6.7	74	0.00
10	C	Phenol	1.605	1.469	8.5	69	0.00
11		bis(2-Chloroethyl)ether	1.205	1.073	11.0	67	0.00
12		1,3-Dichlorobenzene	1.435	1.369	4.6	72	0.00
13	C	1,4-Dichlorobenzene	1.452	1.394	4.0	72	0.00
14		1,2-Dichlorobenzene	1.367	1.295	5.3	71	0.00
15		Benzyl Alcohol	1.233	1.123	8.9	68	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.218	16.3	64	0.00
17		2-Methylphenol	1.057	0.968	8.4	69	0.00
18		Hexachloroethane	0.544	0.512	5.9	71	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.829	15.4	65	-0.01
20		3+4-Methylphenols	1.354	1.221	9.8	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	69	0.00
22		Acetophenone	0.479	0.458	4.4	68	0.00
23	S	Nitrobenzene-d5	0.355	0.354	0.3	70	0.00
24		Nitrobenzene	0.353	0.340	3.7	67	0.00
25		Isophorone	0.628	0.562	10.5	64	-0.01
26	C	2-Nitrophenol	0.173	0.183	-5.8	72	0.00
27		2,4-Dimethylphenol	0.239	0.221	7.5	66	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.357	9.4	66	0.00
29	C	2,4-Dichlorophenol	0.296	0.293	1.0	70	0.00
30		1,2,4-Trichlorobenzene	0.327	0.321	1.8	71	0.00
31		Naphthalene	1.027	0.989	3.7	69	0.00
32		Benzoic acid	0.210	0.213	-1.4	70	-0.01
33		4-Chloroaniline	0.363	0.352	3.0	69	0.00
34	C	Hexachlorobutadiene	0.213	0.215	-0.9	72	-0.01
35		Caprolactam	0.090	0.086	4.4	70	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.313	5.4	68	0.00
37		2-Methylnaphthalene	0.687	0.645	6.1	68	0.00
38		1-Methylnaphthalene	0.663	0.629	5.1	69	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	70	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.584	4.1	69	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.202	15.1	57	0.00
42	S	2,4,6-Tribromophenol	0.254	0.262	-3.1	74	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.377	5.3	67	0.00
44		2,4,5-Trichlorophenol	0.403	0.413	-2.5	75	0.00
45	S	2-Fluorobiphenyl	1.315	1.251	4.9	70	0.00
46		1,1'-Biphenyl	1.520	1.429	6.0	69	0.00
47		2-Chloronaphthalene	1.133	1.072	5.4	69	0.00

Sample Results: **BF142068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142068.D
Acq On : 25 Mar 2025 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 25 11:20:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.311	5.2	68	0.00
49		Acenaphthylene	1.681	1.621	3.6	70	0.00
50		Dimethylphthalate	1.401	1.351	3.6	71	0.00
51		2,6-Dinitrotoluene	0.292	0.294	-0.7	72	0.00
52	C	Acenaphthene	1.181	1.158	1.9	71	0.00
53		3-Nitroaniline	0.296	0.280	5.4	67	0.00
54	P	2,4-Dinitrophenol	0.139	0.163	-17.3	81	0.00
55		Dibenzofuran	1.688	1.598	5.3	70	0.00
56	P	4-Nitrophenol	0.223	0.217	2.7	66	0.00
57		2,4-Dinitrotoluene	0.381	0.386	-1.3	72	0.00
58		Fluorene	1.302	1.253	3.8	72	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.370	-0.8	72	0.00
60		Diethylphthalate	1.397	1.339	4.2	70	-0.01
61		4-Chlorophenyl-phenylether	0.679	0.658	3.1	72	0.00
62		4-Nitroaniline	0.288	0.271	5.9	66	0.00
63		Azobenzene	1.298	1.196	7.9	68	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.141	-18.5	80	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.639	1.2	71	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	69	0.00
68		Hexachlorobenzene	0.275	0.279	-1.5	71	0.00
69		Atrazine	0.198	0.202	-2.0	85	0.00
70	C	Pentachlorophenol	0.170	0.174	-2.4	68	0.00
71		Phenanthrene	1.080	1.027	4.9	68	0.00
72		Anthracene	1.084	1.033	4.7	68	0.00
73		Carbazole	0.935	0.850	9.1	64	0.00
74		Di-n-butylphthalate	1.240	1.177	5.1	69	0.00
75	C	Fluoranthene	1.146	1.022	10.8	64	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	54	0.00
77		Benzidine	0.279	0.213	23.7	32#	0.00
78		Pyrene	1.730	1.878	-8.6	63	0.00
79	S	Terphenyl-d14	1.353	1.473	-8.9	62	0.00
80		Butylbenzylphthalate	0.677	0.684	-1.0	56	-0.01
81		Benzo(a)anthracene	1.312	1.276	2.7	54	0.00
82		3,3'-Dichlorobenzidine	0.379	0.376	0.8	54	0.00
83		Chrysene	1.190	1.130	5.0	54	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.885	5.2	53	-0.01
85	c	Di-n-octyl phthalate	1.299	1.257	3.2	54	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	67	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.090	15.8	56	0.00
88		Benzo(b)fluoranthene	1.371	1.263	7.9	70	0.00
89		Benzo(k)fluoranthene	1.173	0.993	15.3	55	0.00
90	C	Benzo(a)pyrene	1.073	0.998	7.0	64	0.00
91		Dibenzo(a,h)anthracene	1.067	0.858	19.6	54	0.00
92		Benzo(g,h,i)perylene	1.055	0.857	18.8	54	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142068.D
Acq On : 25 Mar 2025 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 25 11:20:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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

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: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date/Time: 03/26/2025 12:37

Lab File ID: BF142092.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.232	1.193		-3.2	
2-Fluorophenol	1.198	1.203		0.4	
Phenol-d6	1.526	1.465		-4.0	
1,4-Dichlorobenzene	1.452	1.461		0.6	20.0
2-Methylphenol	1.057	0.986		-6.7	
3+4-Methylphenols	1.354	1.260		-6.9	
Nitrobenzene-d5	0.355	0.364		2.5	
Hexachloroethane	0.544	0.532		-2.2	
Nitrobenzene	0.353	0.352		-0.3	
Hexachlorobutadiene	0.213	0.224		5.2	20.0
2,4,6-Trichlorophenol	0.398	0.407		2.3	20.0
2-Fluorobiphenyl	1.315	1.316		0.1	
2,4,5-Trichlorophenol	0.403	0.415		3.0	
2,4-Dinitrotoluene	0.381	0.428		12.3	
2,4,6-Tribromophenol	0.254	0.288		13.4	
Hexachlorobenzene	0.275	0.283		2.9	
Pentachlorophenol	0.170	0.182		7.1	20.0
Terphenyl-d14	1.353	1.383		2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	126144	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	466289	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	264545	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	490977	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	326411	20.000	ng	0.00
86) Perylene-d12	15.504	264	325355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	606964	80.305	ng	-0.01
7) Phenol-d6	6.498	99	739041	76.797	ng	0.00
23) Nitrobenzene-d5	7.434	82	679046	81.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	304481	90.725	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1392686	80.062	ng	-0.01
79) Terphenyl-d14	12.980	244	1805325	81.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	128484	40.571	ng	96
3) Pyridine	3.381	79	300989	38.746	ng	97
4) n-Nitrosodimethylamine	3.328	42	139558m	37.687	ng	
6) Aniline	6.534	93	356442	37.547	ng	100
8) 2-Chlorophenol	6.657	128	330826	39.466	ng	98
9) Benzaldehyde	6.422	77	371002	68.933	ng	100
10) Phenol	6.510	94	390661	38.588	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	282627	37.178	ng	98
12) 1,3-Dichlorobenzene	6.810	146	362055	40.006	ng	99
13) 1,4-Dichlorobenzene	6.886	146	368711	40.267	ng	99
14) 1,2-Dichlorobenzene	7.039	146	344121	39.900	ng	99
15) Benzyl Alcohol	7.010	79	288463	37.078	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	302359	32.945	ng	98
17) 2-Methylphenol	7.116	107	248678	37.311	ng	99
18) Hexachloroethane	7.381	117	134157	39.071	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	208633	33.740	ng	98
20) 3+4-Methylphenols	7.269	107	317816	37.228	ng	97
22) Acetophenone	7.281	105	442797	39.654	ng	99
24) Nitrobenzene	7.451	77	328549	39.887	ng	98
25) Isophorone	7.692	82	543561	37.112	ng	99
26) 2-Nitrophenol	7.769	139	176704	43.709	ng	99
27) 2,4-Dimethylphenol	7.798	122	214095	38.460	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	341766	37.204	ng	99
29) 2,4-Dichlorophenol	8.010	162	280073	40.534	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	316792	41.603	ng	98
31) Naphthalene	8.175	128	964721	40.276	ng	100
32) Benzoic acid	7.910	122	211161	43.153	ng	98
33) 4-Chloroaniline	8.222	127	332196	39.287	ng	97
34) Hexachlorobutadiene	8.292	225	209062	42.100	ng	98
35) Caprolactam	8.586	113	87200	41.394	ng	92
36) 4-Chloro-3-methylphenol	8.698	107	307999	39.960	ng	98
37) 2-Methylnaphthalene	8.863	142	635936	39.721	ng	99
38) 1-Methylnaphthalene	8.963	142	614900	39.800	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	328811	40.824	ng	98
41) Hexachlorocyclopentadiene	9.016	237	118318	37.536	ng	99
43) 2,4,6-Trichlorophenol	9.139	196	215185	40.880	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	219792	41.227	ng		99
46) 1,1'-Biphenyl	9.328	154	796671	39.634	ng		100
47) 2-Chloronaphthalene	9.357	162	601386	40.141	ng		98
48) 2-Nitroaniline	9.451	65	176895	40.779	ng		94
49) Acenaphthylene	9.769	152	909385	40.903	ng		100
50) Dimethylphthalate	9.627	163	743806	40.151	ng		100
51) 2,6-Dinitrotoluene	9.692	165	162524	42.136	ng		92
52) Acenaphthene	9.945	154	644322	41.239	ng		100
53) 3-Nitroaniline	9.863	138	166643	42.591	ng		96
54) 2,4-Dinitrophenol	9.963	184	93483	45.725	ng	#	56
55) Dibenzofuran	10.116	168	920887	41.249	ng		98
56) 4-Nitrophenol	10.016	139	135144	45.802	ng		96
57) 2,4-Dinitrotoluene	10.092	165	226468	44.953	ng		98
58) Fluorene	10.457	166	714456	41.499	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.227	232	207367	42.745	ng		98
60) Diethylphthalate	10.327	149	750710	40.640	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	362474	40.384	ng		97
62) 4-Nitroaniline	10.474	138	173676	45.595	ng		98
63) Azobenzene	10.610	77	674009	39.246	ng		97
65) 4,6-Dinitro-2-methylph...	10.504	198	132895	45.404	ng		93
66) n-Nitrosodiphenylamine	10.569	169	610487	38.424	ng		100
67) 4-Bromophenyl-phenylether	10.939	248	239580	38.854	ng		96
68) Hexachlorobenzene	11.004	284	278252	41.144	ng		96
69) Atrazine	11.092	200	198163	40.685	ng		98
70) Pentachlorophenol	11.198	266	178999	42.959	ng		99
71) Phenanthrene	11.421	178	1077866	40.645	ng		99
72) Anthracene	11.469	178	1071593	40.277	ng		99
73) Carbazole	11.627	167	955573	41.646	ng		100
74) Di-n-butylphthalate	11.951	149	1177228	38.667	ng		100
75) Fluoranthene	12.610	202	1154256	41.032	ng		99
77) Benzidine	12.727	184	272998	59.946	ng		99
78) Pyrene	12.839	202	1151140	40.770	ng		99
80) Butylbenzylphthalate	13.451	149	415643	37.611	ng		98
81) Benzo(a)anthracene	14.021	228	836606	39.059	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	264931	42.801	ng		99
83) Chrysene	14.062	228	806917	41.560	ng		100
84) Bis(2-ethylhexyl)phtha...	14.010	149	535256	35.128	ng		100
85) Di-n-octyl phthalate	14.621	149	772023	36.414	ng		98
87) Indeno(1,2,3-cd)pyrene	16.992	276	808099	38.396	ng		98
88) Benzo(b)fluoranthene	15.074	252	785918	35.245	ng		99
89) Benzo(k)fluoranthene	15.104	252	785644	41.171	ng		99
90) Benzo(a)pyrene	15.445	252	704863	40.399	ng		99
91) Dibenzo(a,h)anthracene	17.009	278	661277	38.081	ng		99
92) Benzo(g,h,i)perylene	17.445	276	652513	38.025	ng		97

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

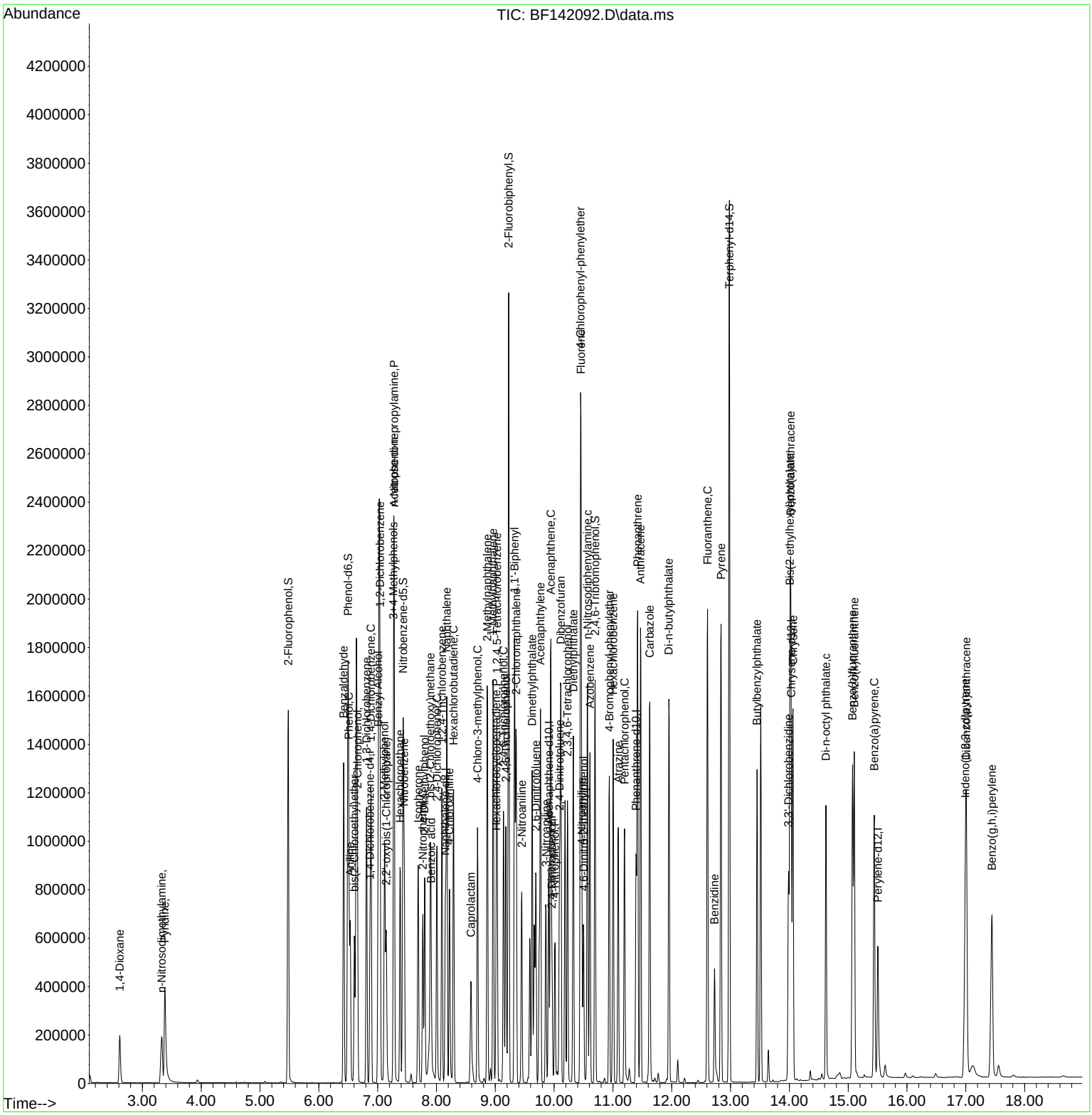
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



Evaluate Continuing Calibration Report

Sample Results: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	57	-0.01
2		1,4-Dioxane	0.502	0.509	-1.4	57	-0.06
3		Pyridine	1.232	1.193	3.2	55	-0.06
4		n-Nitrosodimethylamine	0.587	0.553	5.8	54	-0.06
5	S	2-Fluorophenol	1.198	1.203	-0.4	59	-0.01
6		Aniline	1.505	1.413	6.1	55	-0.01
7	S	Phenol-d6	1.526	1.465	4.0	57	0.00
8		2-Chlorophenol	1.329	1.311	1.4	59	-0.01
9		Benzaldehyde	0.853	1.471	-72.5#	107	-0.01
10	C	Phenol	1.605	1.548	3.6	57	-0.01
11		bis(2-Chloroethyl)ether	1.205	1.120	7.1	55	-0.01
12		1,3-Dichlorobenzene	1.435	1.435	0.0	59	-0.01
13	C	1,4-Dichlorobenzene	1.452	1.461	-0.6	59	-0.01
14		1,2-Dichlorobenzene	1.367	1.364	0.2	59	-0.01
15		Benzyl Alcohol	1.233	1.143	7.3	55	-0.01
16		2,2'-oxybis(1-Chloropropane	1.455	1.198	17.7	50#	-0.01
17		2-Methylphenol	1.057	0.986	6.7	55	-0.01
18		Hexachloroethane	0.544	0.532	2.2	58	-0.01
19	P	n-Nitroso-di-n-propylamine	0.980	0.827	15.6	51	-0.02
20		3+4-Methylphenols	1.354	1.260	6.9	55	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	53	-0.01
22		Acetophenone	0.479	0.475	0.8	55	-0.01
23	S	Nitrobenzene-d5	0.355	0.364	-2.5	56	-0.01
24		Nitrobenzene	0.353	0.352	0.3	54	-0.01
25		Isophorone	0.628	0.583	7.2	52	-0.01
26	C	2-Nitrophenol	0.173	0.189	-9.2	58	-0.01
27		2,4-Dimethylphenol	0.239	0.230	3.8	53	-0.01
28		bis(2-Chloroethoxy)methane	0.394	0.366	7.1	53	-0.01
29	C	2,4-Dichlorophenol	0.296	0.300	-1.4	56	0.00
30		1,2,4-Trichlorobenzene	0.327	0.340	-4.0	59	-0.01
31		Naphthalene	1.027	1.034	-0.7	56	-0.01
32		Benzoic acid	0.210	0.226	-7.6	58	-0.02
33		4-Chloroaniline	0.363	0.356	1.9	54	0.00
34	C	Hexachlorobutadiene	0.213	0.224	-5.2	59	-0.01
35		Caprolactam	0.090	0.094	-4.4	59	-0.02
36	C	4-Chloro-3-methylphenol	0.331	0.330	0.3	55	0.00
37		2-Methylnaphthalene	0.687	0.682	0.7	56	-0.01
38		1-Methylnaphthalene	0.663	0.659	0.6	56	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	54	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.621	-2.0	56	-0.01
41	P	Hexachlorocyclopentadiene	0.238	0.224	5.9	48#	-0.01
42	S	2,4,6-Tribromophenol	0.254	0.288	-13.4	62	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.407	-2.3	55	0.00
44		2,4,5-Trichlorophenol	0.403	0.415	-3.0	57	0.00
45	S	2-Fluorobiphenyl	1.315	1.316	-0.1	56	-0.01
46		1,1'-Biphenyl	1.520	1.506	0.9	55	-0.01
47		2-Chloronaphthalene	1.133	1.137	-0.4	56	0.00

Sample Results: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.334	-1.8	56	0.00
49		Acenaphthylene	1.681	1.719	-2.3	56	-0.01
50		Dimethylphthalate	1.401	1.406	-0.4	57	-0.01
51		2,6-Dinitrotoluene	0.292	0.307	-5.1	58	0.00
52	C	Acenaphthene	1.181	1.218	-3.1	57	0.00
53		3-Nitroaniline	0.296	0.315	-6.4	58	0.00
54	P	2,4-Dinitrophenol	0.139	0.177	-27.3#	67	0.00
55		Dibenzofuran	1.688	1.741	-3.1	58	0.00
56	P	4-Nitrophenol	0.223	0.255	-14.3	60	0.00
57		2,4-Dinitrotoluene	0.381	0.428	-12.3	61	-0.01
58		Fluorene	1.302	1.350	-3.7	59	-0.01
59		2,3,4,6-Tetrachlorophenol	0.367	0.392	-6.8	58	-0.01
60		Diethylphthalate	1.397	1.419	-1.6	57	-0.01
61		4-Chlorophenyl-phenylether	0.679	0.685	-0.9	57	0.00
62		4-Nitroaniline	0.288	0.328	-13.9	61	0.00
63		Azobenzene	1.298	1.274	1.8	55	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	0.119	0.135	-13.4	65	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.622	3.9	59	0.00
67		4-Bromophenyl-phenylether	0.251	0.244	2.8	58	0.00
68		Hexachlorobenzene	0.275	0.283	-2.9	62	0.00
69		Atrazine	0.198	0.202	-2.0	72	0.00
70	C	Pentachlorophenol	0.170	0.182	-7.1	60	0.00
71		Phenanthrene	1.080	1.098	-1.7	62	0.00
72		Anthracene	1.084	1.091	-0.6	61	-0.01
73		Carbazole	0.935	0.973	-4.1	63	0.00
74		Di-n-butylphthalate	1.240	1.199	3.3	60	-0.01
75	C	Fluoranthene	1.146	1.175	-2.5	62	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	57	0.00
77		Benzidine	0.279	0.418	-49.8#	67	0.00
78		Pyrene	1.730	1.763	-1.9	63	0.00
79	S	Terphenyl-d14	1.353	1.383	-2.2	62	0.00
80		Butylbenzylphthalate	0.677	0.637	5.9	56	-0.01
81		Benzo(a)anthracene	1.312	1.282	2.3	58	0.00
82		3,3'-Dichlorobenzidine	0.379	0.406	-7.1	63	0.00
83		Chrysene	1.190	1.236	-3.9	62	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.820	12.2	52	-0.01
85	c	Di-n-octyl phthalate	1.299	1.183	8.9	54	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.242	4.0	67	0.00
88		Benzo(b)fluoranthene	1.371	1.208	11.9	69	0.00
89		Benzo(k)fluoranthene	1.173	1.207	-2.9	69	0.00
90	C	Benzo(a)pyrene	1.073	1.083	-0.9	73	0.00
91		Dibenzo(a,h)anthracene	1.067	1.016	4.8	66	-0.01
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	65	0.00

Sample Results: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	57	-0.01
2		1,4-Dioxane	40.000	40.571	-1.4	57	-0.06
3		Pyridine	40.000	38.746	3.1	55	-0.06
4		n-Nitrosodimethylamine	40.000	37.687	5.8	54	-0.06
5	S	2-Fluorophenol	80.000	80.305	-0.4	59	-0.01
6		Aniline	40.000	37.547	6.1	55	-0.01
7	S	Phenol-d6	80.000	76.797	4.0	57	0.00
8		2-Chlorophenol	40.000	39.466	1.3	59	-0.01
9		Benzaldehyde	40.000	68.933	-72.3#	107	-0.01
10	C	Phenol	40.000	38.588	3.5	57	-0.01
11		bis(2-Chloroethyl)ether	40.000	37.178	7.1	55	-0.01
12		1,3-Dichlorobenzene	40.000	40.006	-0.0	59	-0.01
13	C	1,4-Dichlorobenzene	40.000	40.267	-0.7	59	-0.01
14		1,2-Dichlorobenzene	40.000	39.900	0.3	59	-0.01
15		Benzyl Alcohol	40.000	37.078	7.3	55	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	32.945	17.6	50	-0.01
17		2-Methylphenol	40.000	37.311	6.7	55	-0.01
18		Hexachloroethane	40.000	39.071	2.3	58	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	33.740	15.6	51	-0.02
20		3+4-Methylphenols	40.000	37.228	6.9	55	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	53	-0.01
22		Acetophenone	40.000	39.654	0.9	55	-0.01
23	S	Nitrobenzene-d5	80.000	81.953	-2.4	56	-0.01
24		Nitrobenzene	40.000	39.887	0.3	54	-0.01
25		Isophorone	40.000	37.112	7.2	52	-0.01
26	C	2-Nitrophenol	40.000	43.709	-9.3	58	-0.01
27		2,4-Dimethylphenol	40.000	38.460	3.8	53	-0.01
28		bis(2-Chloroethoxy)methane	40.000	37.204	7.0	53	-0.01
29	C	2,4-Dichlorophenol	40.000	40.534	-1.3	56	0.00
30		1,2,4-Trichlorobenzene	40.000	41.603	-4.0	59	-0.01
31		Naphthalene	40.000	40.276	-0.7	56	-0.01
32		Benzoic acid	40.000	43.153	-7.9	58	-0.02
33		4-Chloroaniline	40.000	39.287	1.8	54	0.00
34	C	Hexachlorobutadiene	40.000	42.100	-5.3	59	-0.01
35		Caprolactam	40.000	41.394	-3.5	59	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.960	0.1	55	0.00
37		2-Methylnaphthalene	40.000	39.721	0.7	56	-0.01
38		1-Methylnaphthalene	40.000	39.800	0.5	56	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	54	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.824	-2.1	56	-0.01
41	P	Hexachlorocyclopentadiene	40.000	37.536	6.2	48	-0.01
42	S	2,4,6-Tribromophenol	80.000	90.725	-13.4	62	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.880	-2.2	55	0.00
44		2,4,5-Trichlorophenol	40.000	41.227	-3.1	57	0.00
45	S	2-Fluorobiphenyl	80.000	80.062	-0.1	56	-0.01
46		1,1'-Biphenyl	40.000	39.634	0.9	55	-0.01
47		2-Chloronaphthalene	40.000	40.141	-0.4	56	0.00

Sample Results: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	40.779	-1.9	56	0.00
49		Acenaphthylene	40.000	40.903	-2.3	56	-0.01
50		Dimethylphthalate	40.000	40.151	-0.4	57	-0.01
51		2,6-Dinitrotoluene	40.000	42.136	-5.3	58	0.00
52	C	Acenaphthene	40.000	41.239	-3.1	57	0.00
53		3-Nitroaniline	40.000	42.591	-6.5	58	0.00
54	P	2,4-Dinitrophenol	40.000	45.725	-14.3	67	0.00
55		Dibenzofuran	40.000	41.249	-3.1	58	0.00
56	P	4-Nitrophenol	40.000	45.802	-14.5	60	0.00
57		2,4-Dinitrotoluene	40.000	44.953	-12.4	61	-0.01
58		Fluorene	40.000	41.499	-3.7	59	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	42.745	-6.9	58	-0.01
60		Diethylphthalate	40.000	40.640	-1.6	57	-0.01
61		4-Chlorophenyl-phenylether	40.000	40.384	-1.0	57	0.00
62		4-Nitroaniline	40.000	45.595	-14.0	61	0.00
63		Azobenzene	40.000	39.246	1.9	55	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	59	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	45.404	-13.5	65	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.424	3.9	59	0.00
67		4-Bromophenyl-phenylether	40.000	38.854	2.9	58	0.00
68		Hexachlorobenzene	40.000	41.144	-2.9	62	0.00
69		Atrazine	40.000	40.685	-1.7	72	0.00
70	C	Pentachlorophenol	40.000	42.959	-7.4	60	0.00
71		Phenanthrene	40.000	40.645	-1.6	62	0.00
72		Anthracene	40.000	40.277	-0.7	61	-0.01
73		Carbazole	40.000	41.646	-4.1	63	0.00
74		Di-n-butylphthalate	40.000	38.667	3.3	60	-0.01
75	C	Fluoranthene	40.000	41.032	-2.6	62	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	57	0.00
77		Benzidine	40.000	59.946	-49.9#	67	0.00
78		Pyrene	40.000	40.770	-1.9	63	0.00
79	S	Terphenyl-d14	80.000	81.771	-2.2	62	0.00
80		Butylbenzylphthalate	40.000	37.611	6.0	56	-0.01
81		Benzo(a)anthracene	40.000	39.059	2.4	58	0.00
82		3,3'-Dichlorobenzidine	40.000	42.801	-7.0	63	0.00
83		Chrysene	40.000	41.560	-3.9	62	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	35.128	12.2	52	-0.01
85	c	Di-n-octyl phthalate	40.000	36.414	9.0	54	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.396	4.0	67	0.00
88		Benzo(b)fluoranthene	40.000	35.245	11.9	69	0.00
89		Benzo(k)fluoranthene	40.000	41.171	-2.9	69	0.00
90	C	Benzo(a)pyrene	40.000	40.399	-1.0	73	0.00
91		Dibenzo(a,h)anthracene	40.000	38.081	4.8	66	-0.01
92		Benzo(g,h,i)perylene	40.000	38.025	4.9	65	0.00

Sample Results: **BF142092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142092.D
Acq On : 26 Mar 2025 12:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 26 13:31:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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

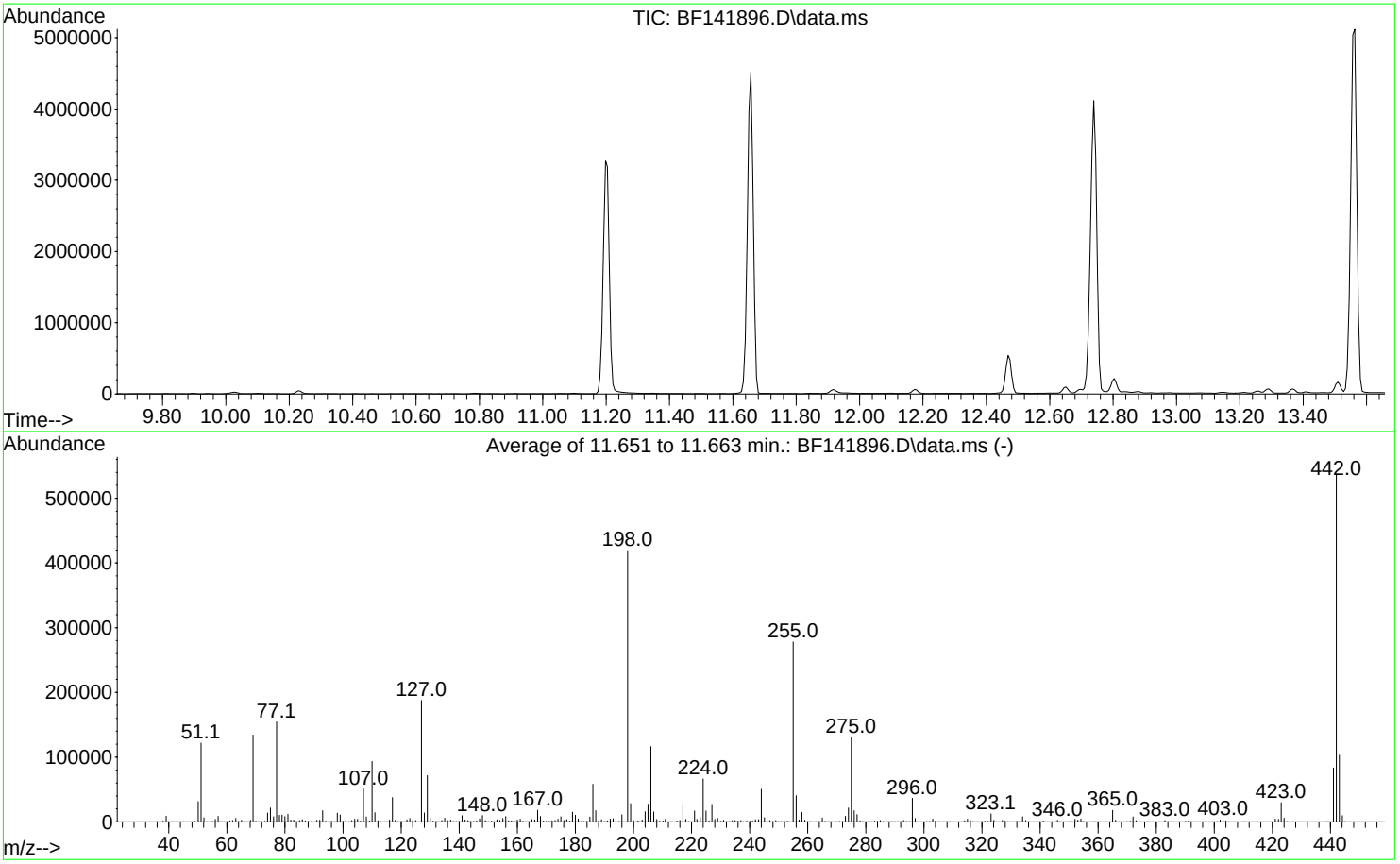
Sample Results: **BF141896.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
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-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

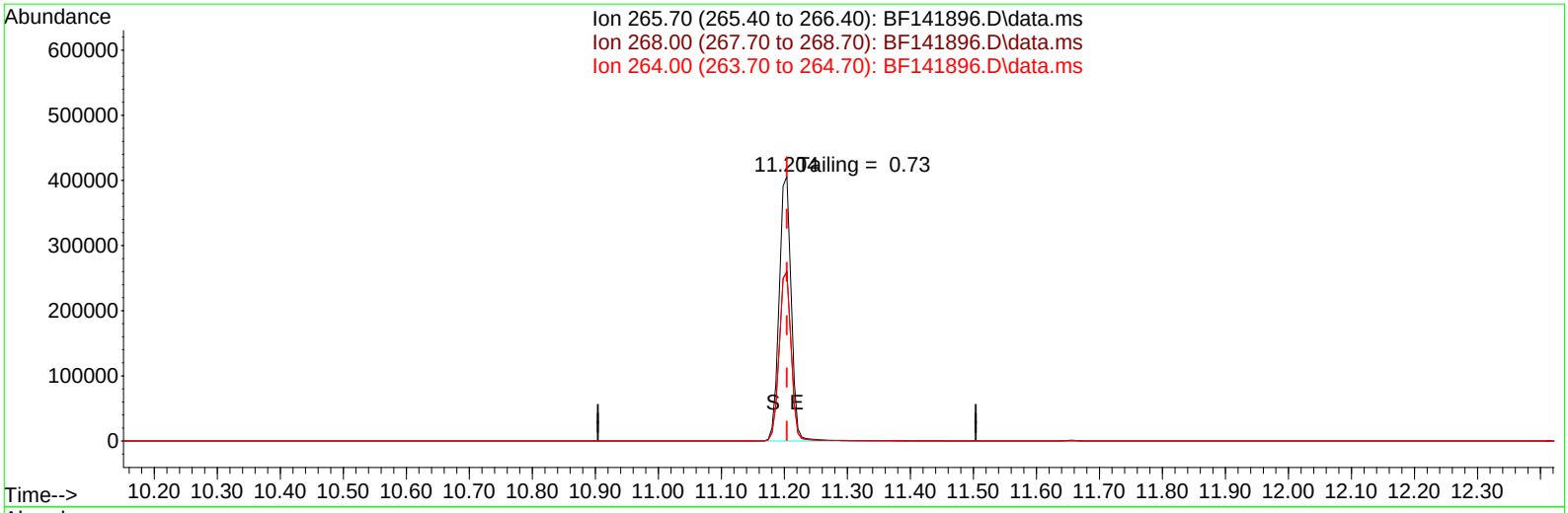
DDT Breakdown

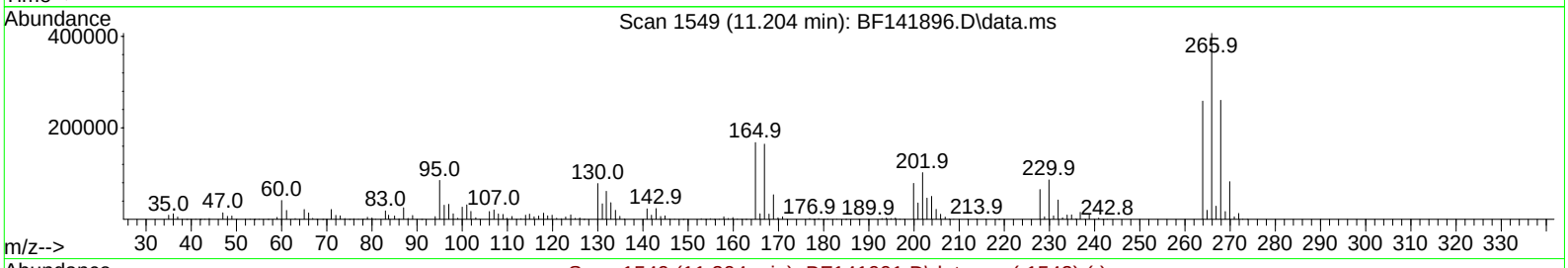
Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	BF141896.D
Compound Name	**Response**	**Retention Time**
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21024	1379259	1.52

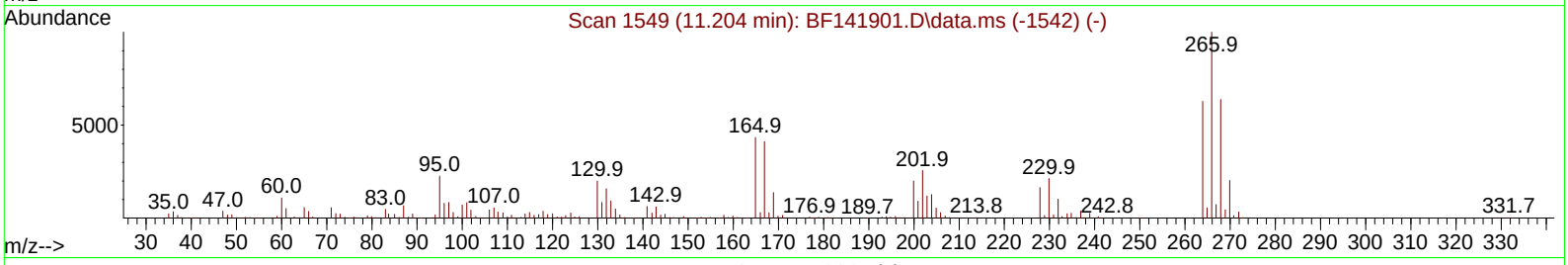
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

response 544757

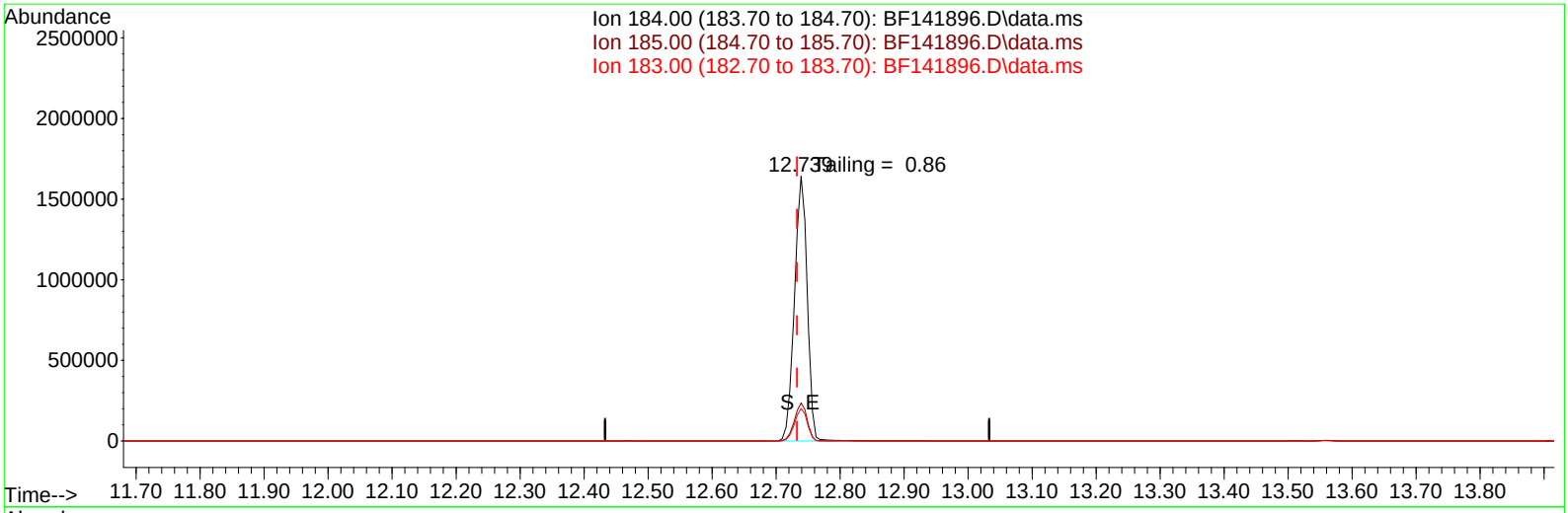
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

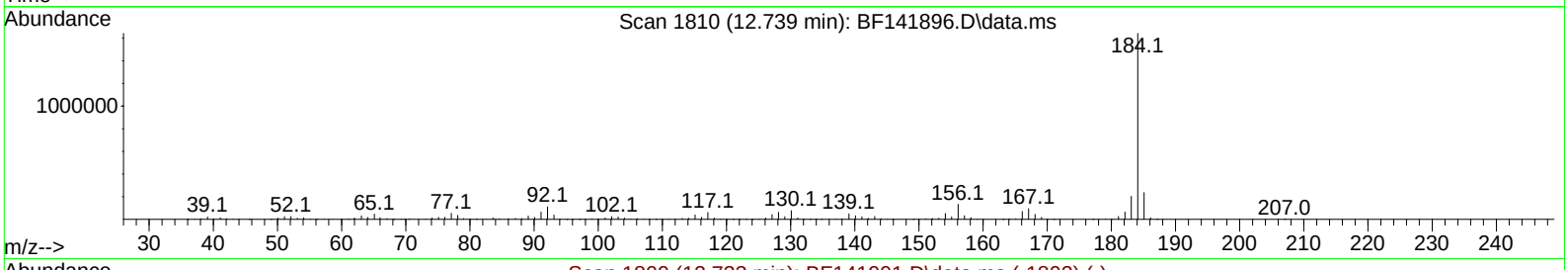
Sample Results: **BF141896.D**

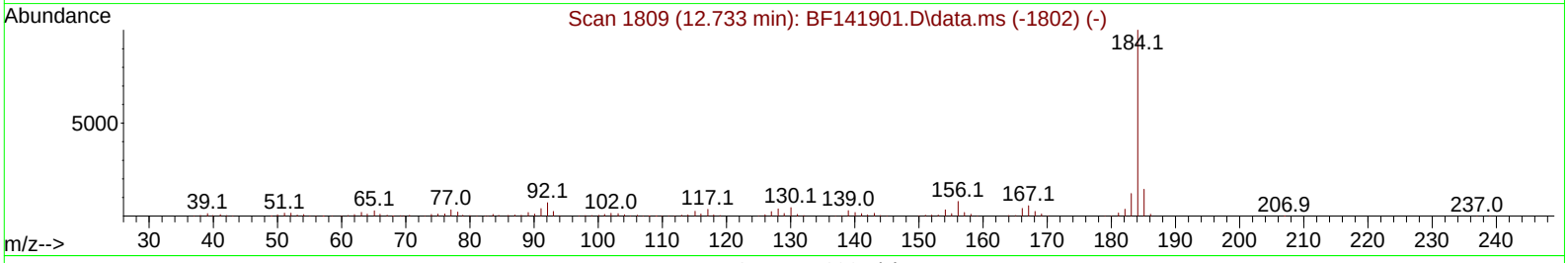
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

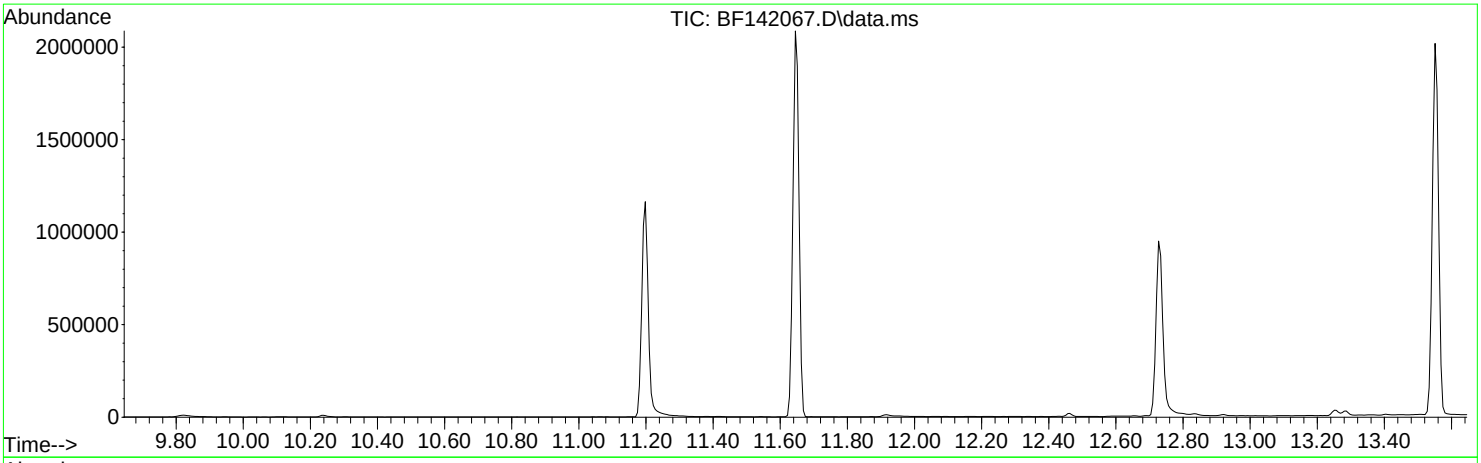
Sample Results: **BF142067.D**

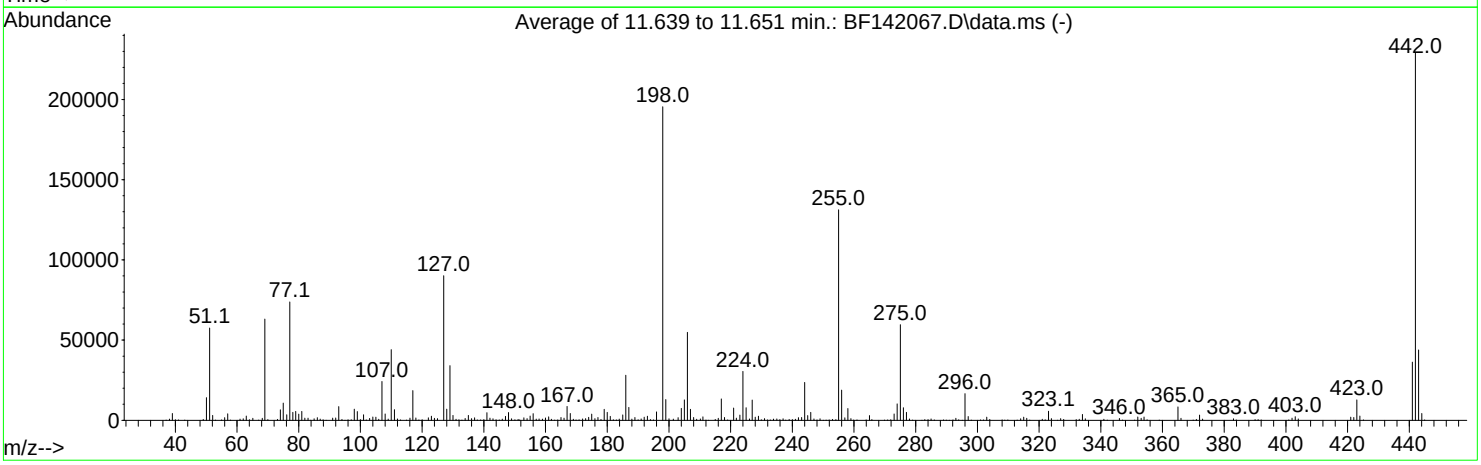
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142067.D
Acq On : 25 Mar 2025 09:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

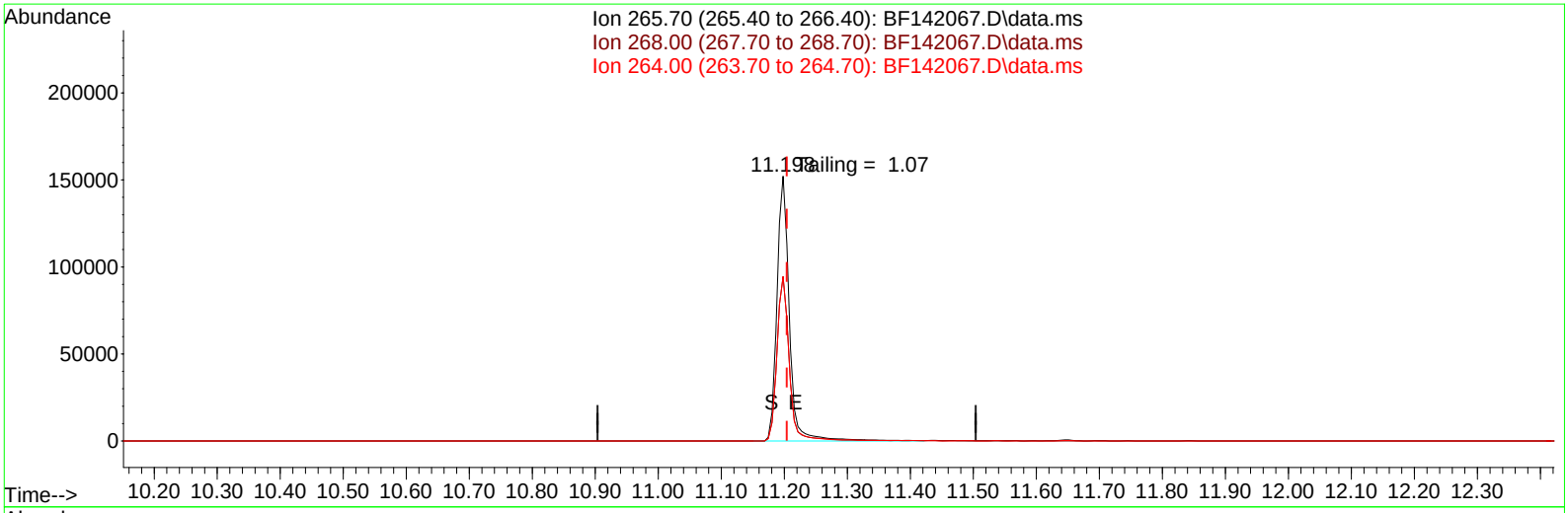
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.4	57504	PASS
68	69	0.00	2	1.9	1208	PASS
69	198	0.00	100	32.3	63091	PASS
70	69	0.00	2	0.7	436	PASS
127	198	10	80	46.1	90131	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	195499	PASS
199	198	5	9	6.6	12924	PASS
275	198	10	60	30.5	59603	PASS
365	198	1	100	4.2	8301	PASS
441	198	0.01	100	18.5	36256	PASS
442	442	50	100	100.0	229355	PASS
443	442	15	24	19.1	43824	PASS

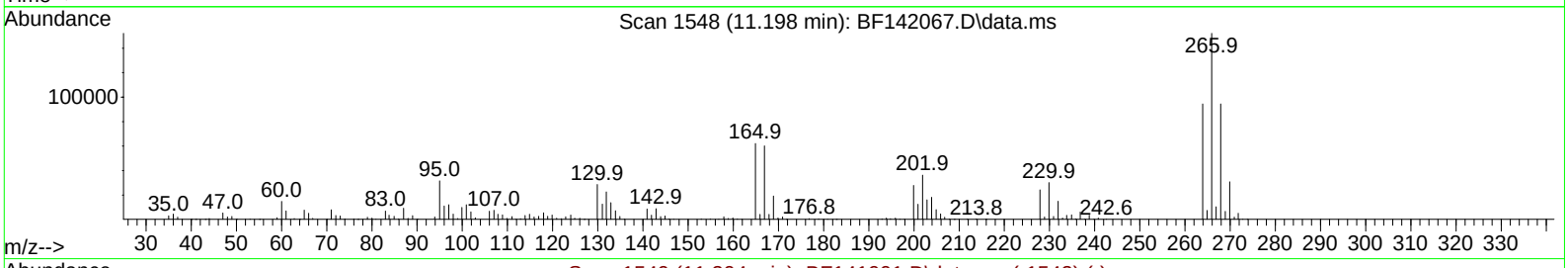
Sample Results: **BF142067.D**

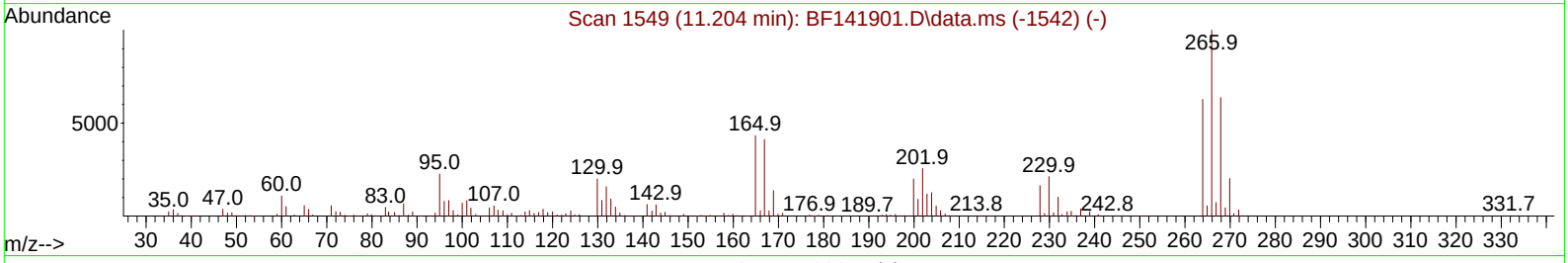
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142067.D
Acq On : 25 Mar 2025 09:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 25 11:19:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142067.D\data.ms

(70) Pentachlorophenol (C)

11.198min (-0.006) 96884.65 ng

response 208846

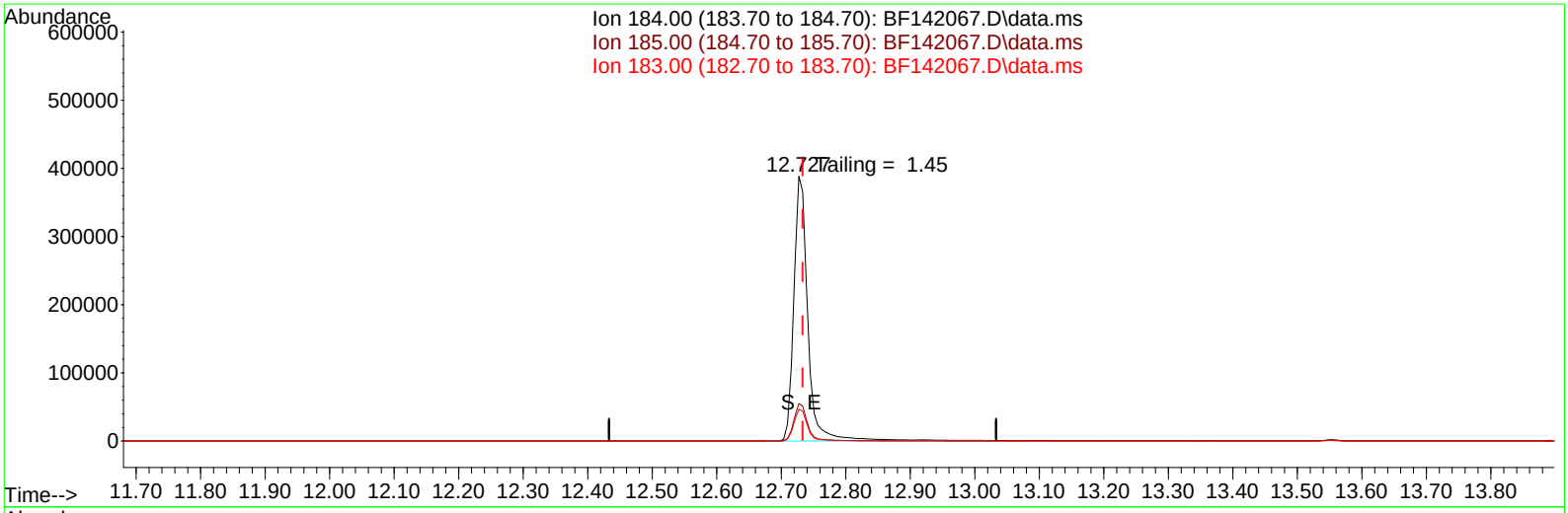
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.08
264.00	62.70	62.07
0.00	0.00	0.00

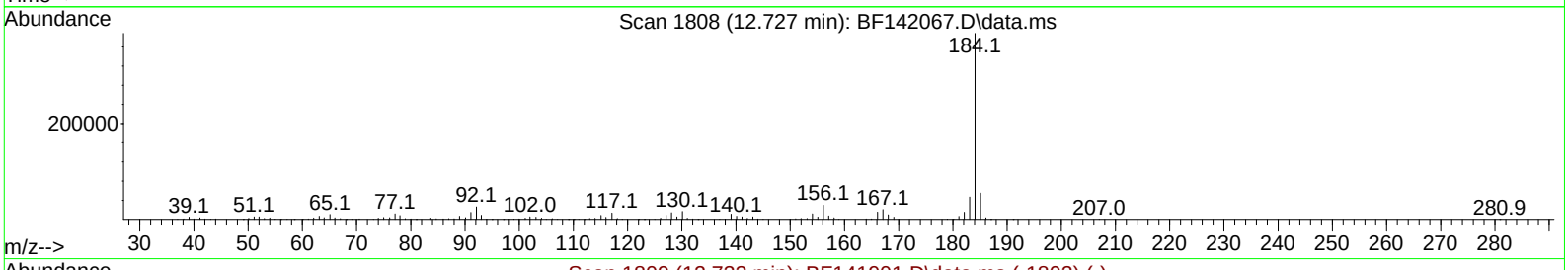
Sample Results: **BF142067.D**

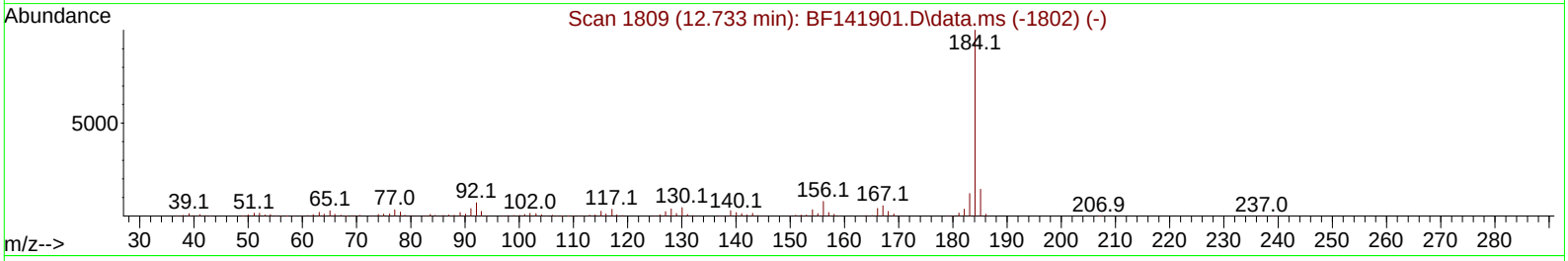
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142067.D
Acq On : 25 Mar 2025 09:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 25 11:19:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142067.D\data.ms

(77) Benzidine

12.727min (-0.006) 165543.78 ng

response 584341

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.16
183.00	12.10	12.03
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/25/2025	BNA_F	BF142067.D
Compound Name	**Response**	**Retention Time**
DDT	523081	13.551
DDD	14002	13.251
DDE	1735	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15737	538818	2.92

Instrument :
BNA_F
ClientSampleId :
DFTPP

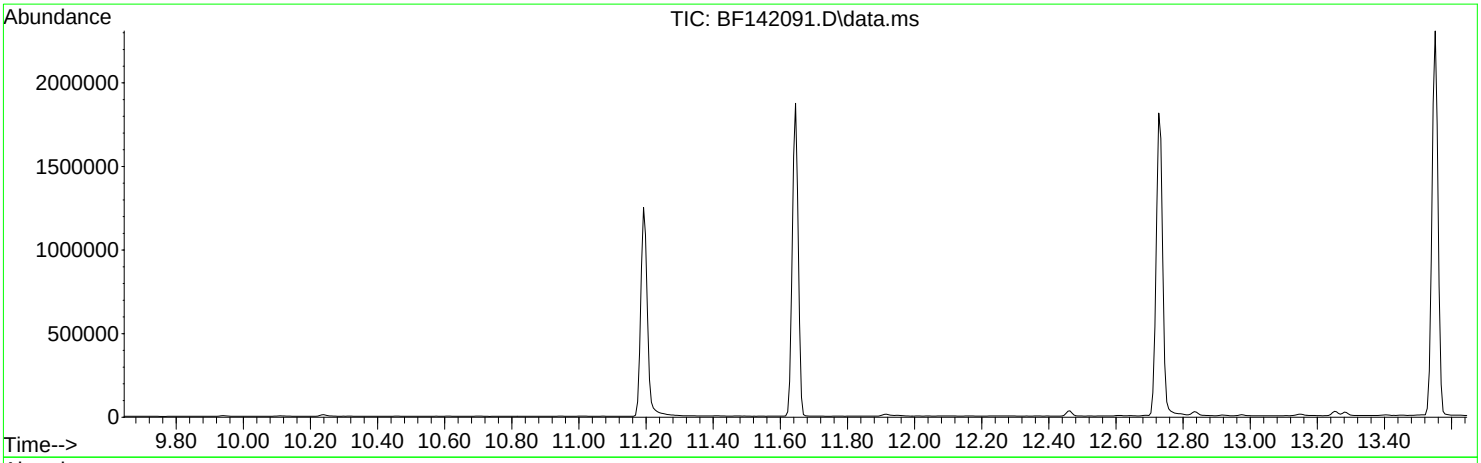
Sample Results: **BF142091.D**

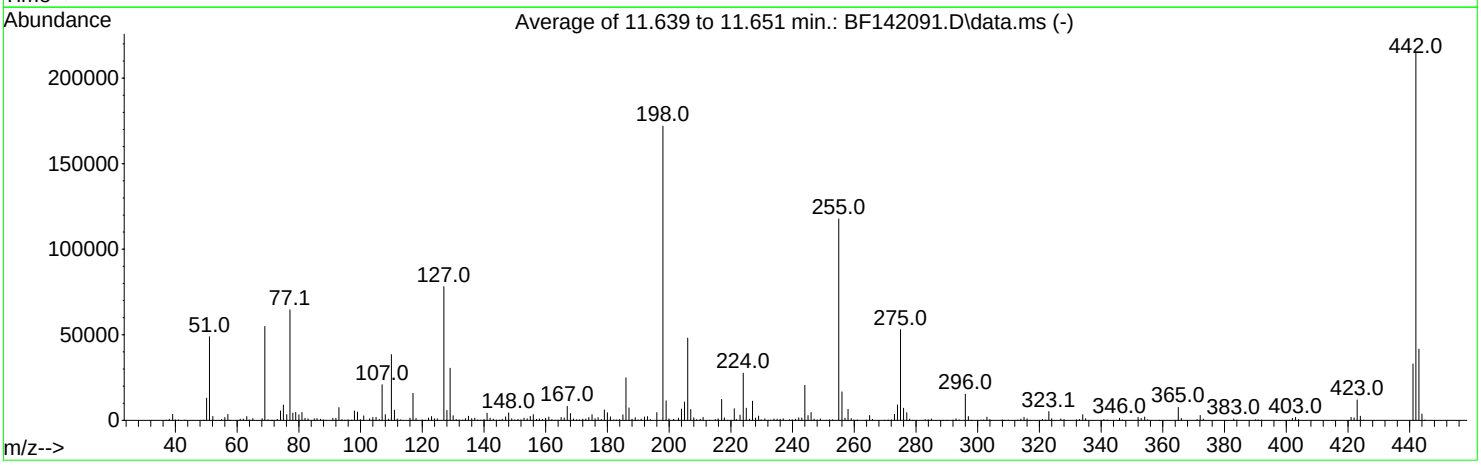
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142091.D
Acq On : 26 Mar 2025 11:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

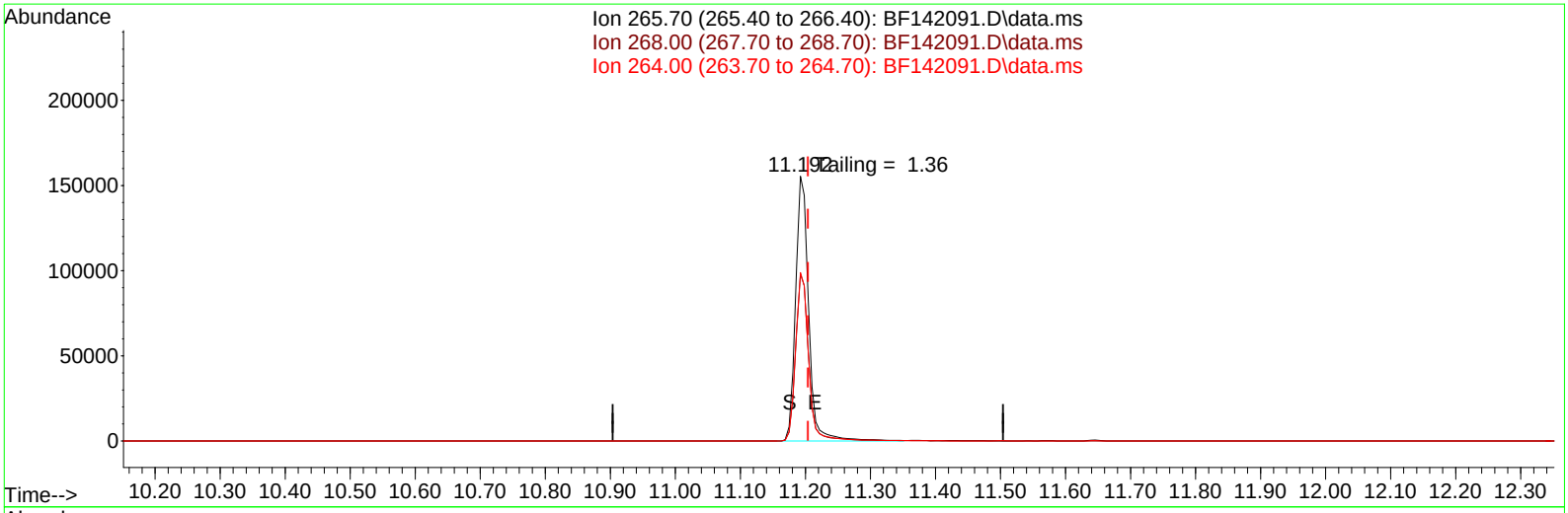
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.5	48948	PASS
68	69	0.00	2	1.9	1060	PASS
69	198	0.00	100	31.9	54883	PASS
70	69	0.00	2	0.6	350	PASS
127	198	10	80	45.5	78189	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	171947	PASS
199	198	5	9	6.7	11463	PASS
275	198	10	60	30.8	52995	PASS
365	198	1	100	4.4	7579	PASS
441	198	0.01	100	19.2	32997	PASS
442	442	50	100	100.0	214955	PASS
443	442	15	24	19.3	41568	PASS

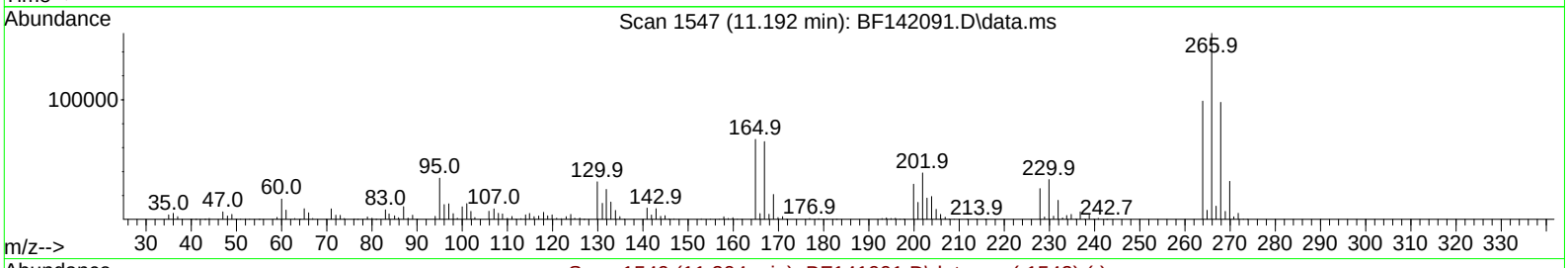
Sample Results: **BF142091.D**

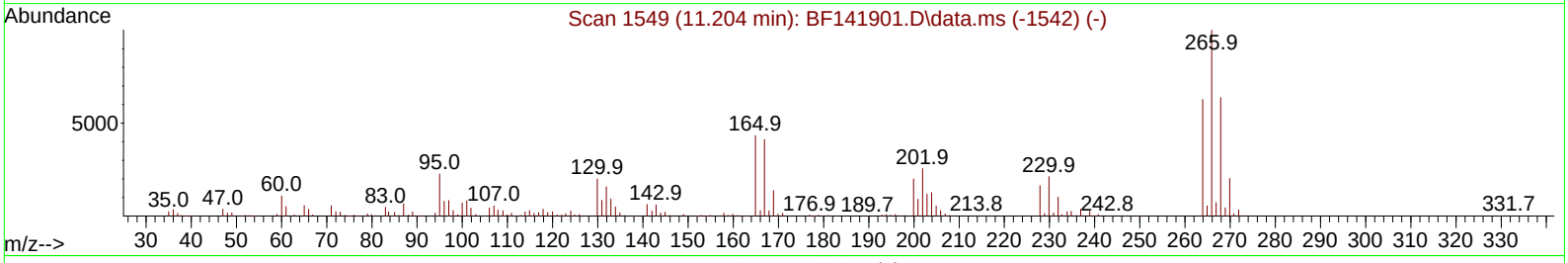
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142091.D
Acq On : 26 Mar 2025 11:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 26 13:29:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142091.D\data.ms

(70) Pentachlorophenol (C)

11.192min (-0.011) 22780.12 ng

response 217300

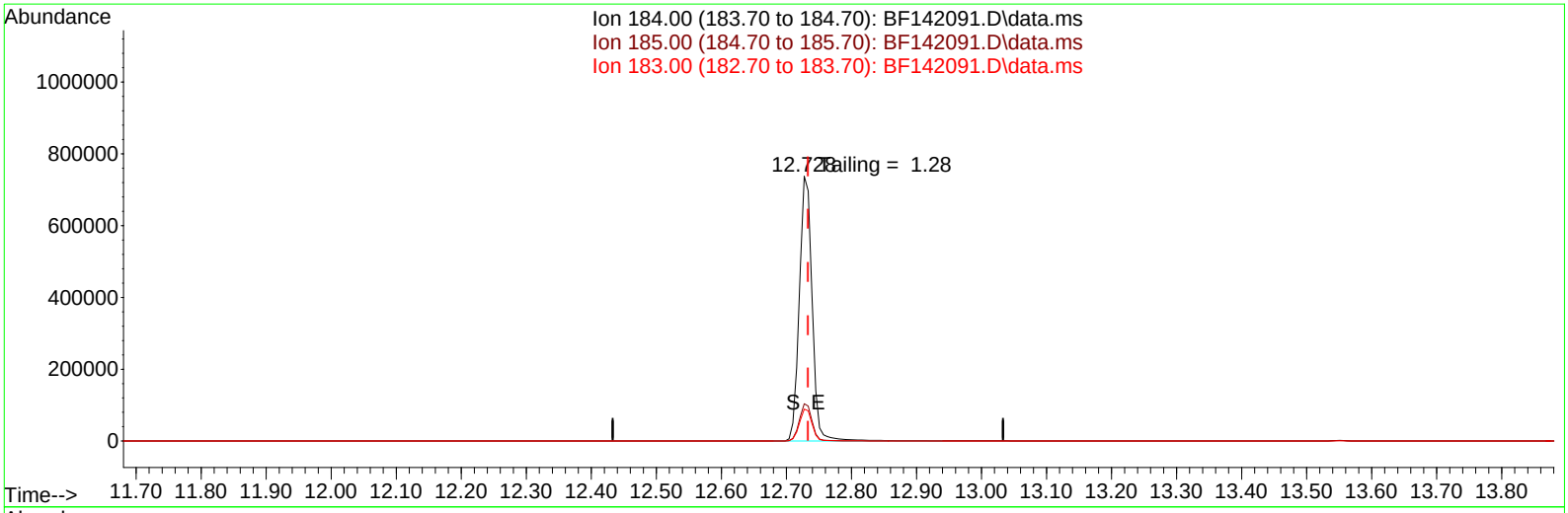
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.94
264.00	62.70	63.60
0.00	0.00	0.00

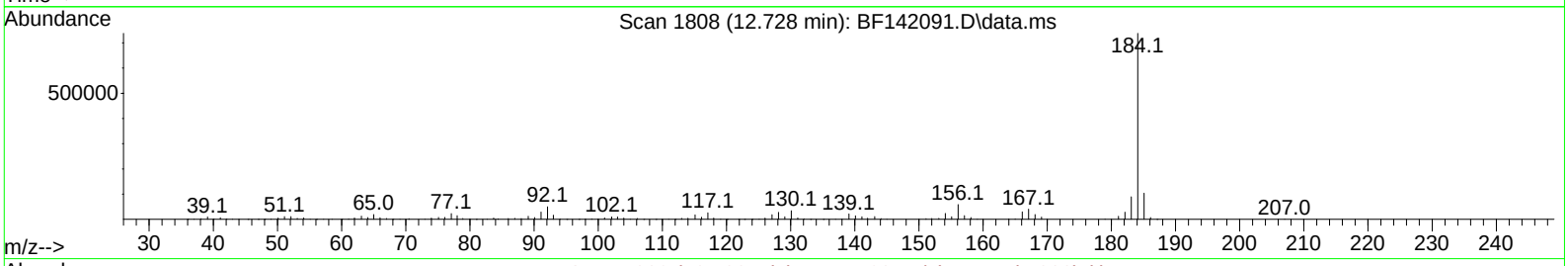
Sample Results: **BF142091.D**

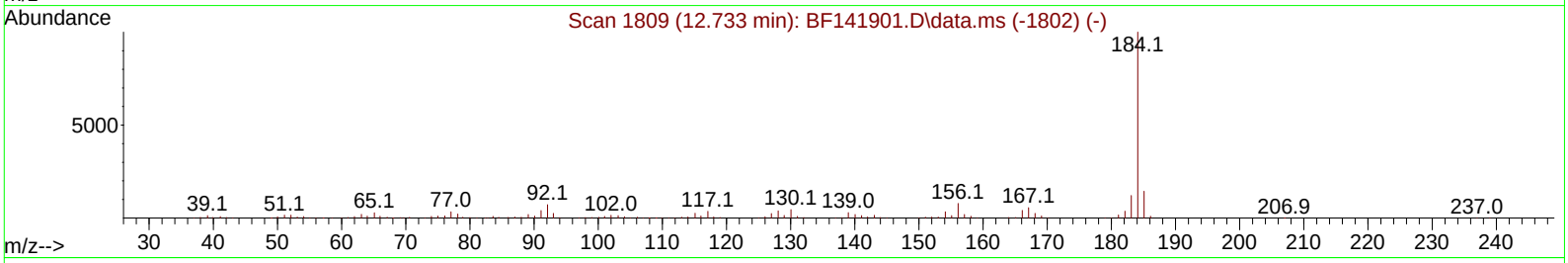
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142091.D
Acq On : 26 Mar 2025 11:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 26 13:29:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF142091.D\data.ms

(77) Benzidine

12.728min (-0.006) 70996.12 ng

response 1009350

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.08
183.00	12.10	12.08
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/26/2025	BNA_F	BF142091.D
Compound Name	**Response**	**Retention Time**
DDT	582926	13.551
DDD	13634	13.251
DDE	1710	12.922
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15344	598270	2.56

Instrument :
BNA_F
ClientSampleId :
DFTPP

Raw Data: **BF142095.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167310BL	SDG No.:	Q1626
Lab Sample ID:	PB167310BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142095.D	1	03/25/25 12:25	03/26/25 14:07	PB167310

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	147		10 - 139	98%	SPK: 150
13127-88-3	Phenol-d6	138		10 - 134	92%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		52 - 132	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		44 - 137	109%	SPK: 150
1718-51-0	Terphenyl-d14	108		48 - 125	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.869			
1146-65-2	Naphthalene-d8	481000	8.151			
15067-26-2	Acenaphthene-d10	262000	9.904			
1517-22-2	Phenanthrene-d10	473000	11.392			
1719-03-5	Chrysene-d12	347000	14.033			
1520-96-3	Perylene-d12	280000	15.51			

Raw Data: **BF142095.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:	
Project:	Walsh CO-032 Sampling			Date Received:	
Client Sample ID:	PB167310BL			SDG No.:	Q1626
Lab Sample ID:	PB167310BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142095.D	1	03/25/25 12:25	03/26/25 14:07	PB167310

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\BF032625\
Data File : BF142095.D
Acq On : 26 Mar 2025 14:07
Operator : RC/JU
Sample : PB167310BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Quant Time: Mar 26 14:38:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

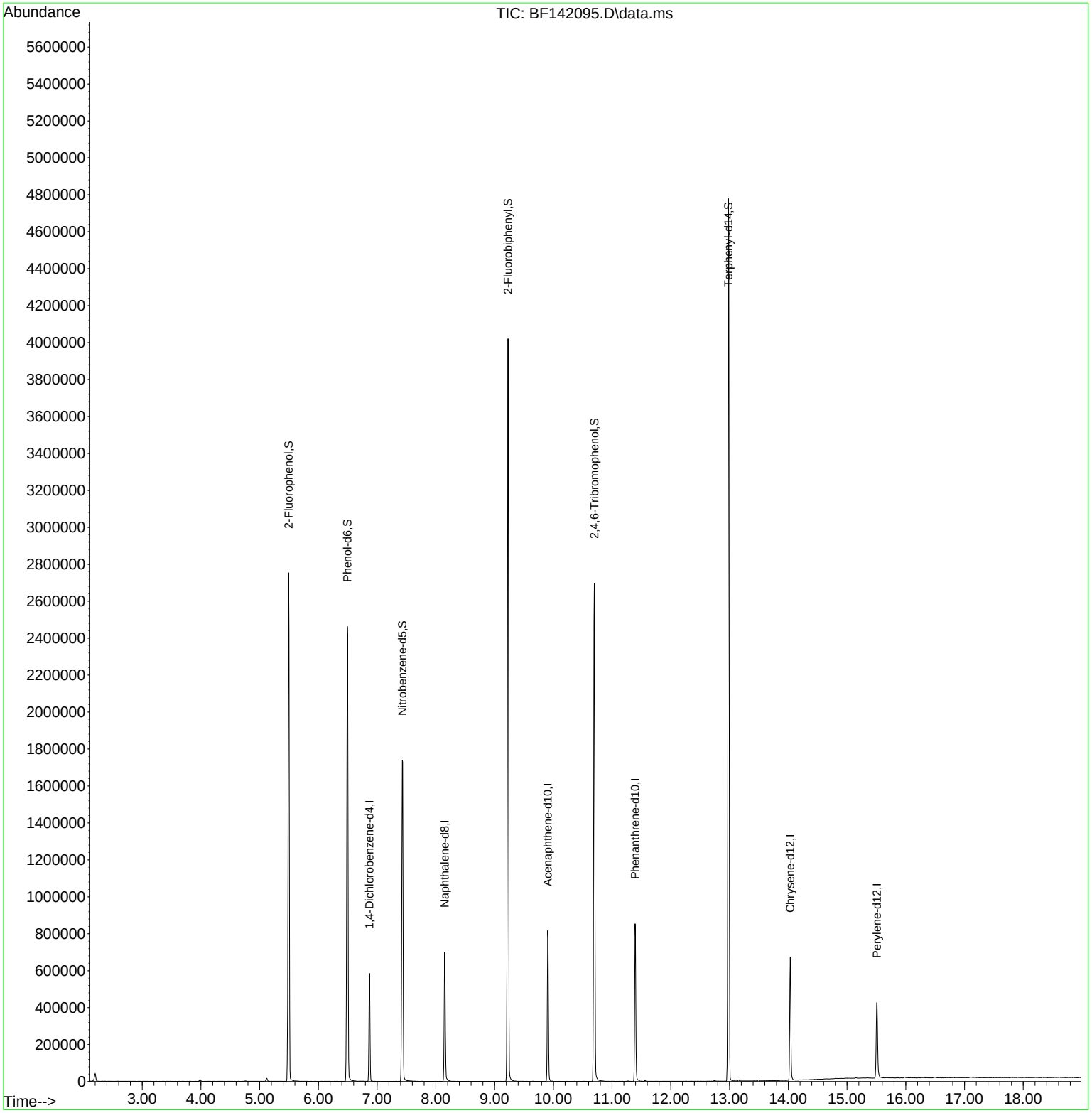
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	124680	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	480516	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	261927	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	473117	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	346676	20.000	ng	0.00
86) Perylene-d12	15.510	264	279819	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1099360	147.160	ng	0.00
7) Phenol-d6	6.493	99	1315366	138.290	ng	-0.01
23) Nitrobenzene-d5	7.428	82	875669	102.555	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	540945	162.794	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1815482	105.411	ng	-0.01
79) Terphenyl-d14	12.980	244	2531795	107.972	ng	0.00
Target Compounds						Qvalue

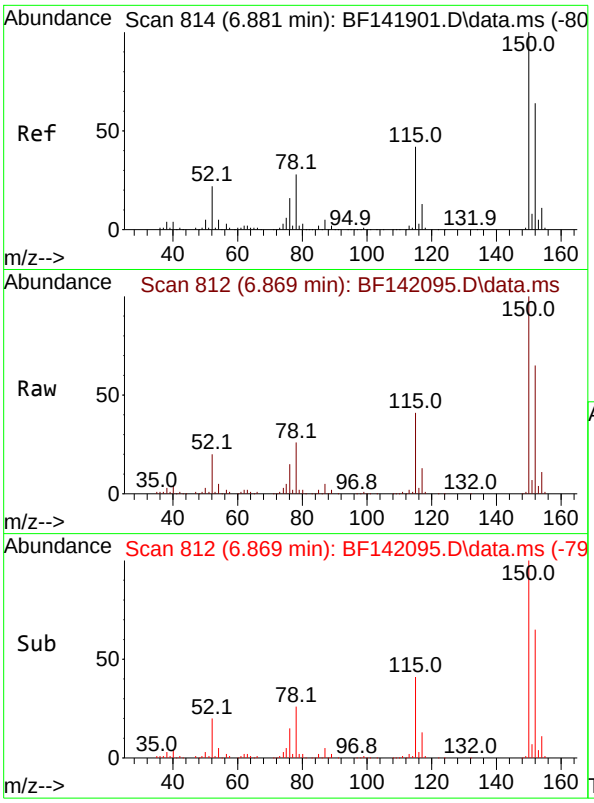
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142095.D
Acq On : 26 Mar 2025 14:07
Operator : RC/JU
Sample : PB167310BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Quant Time: Mar 26 14:38:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



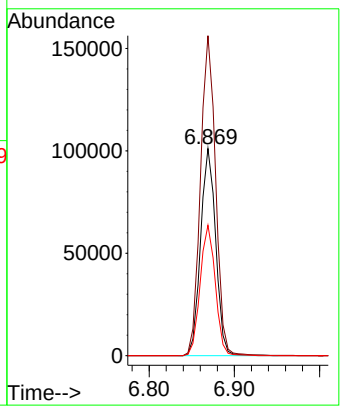


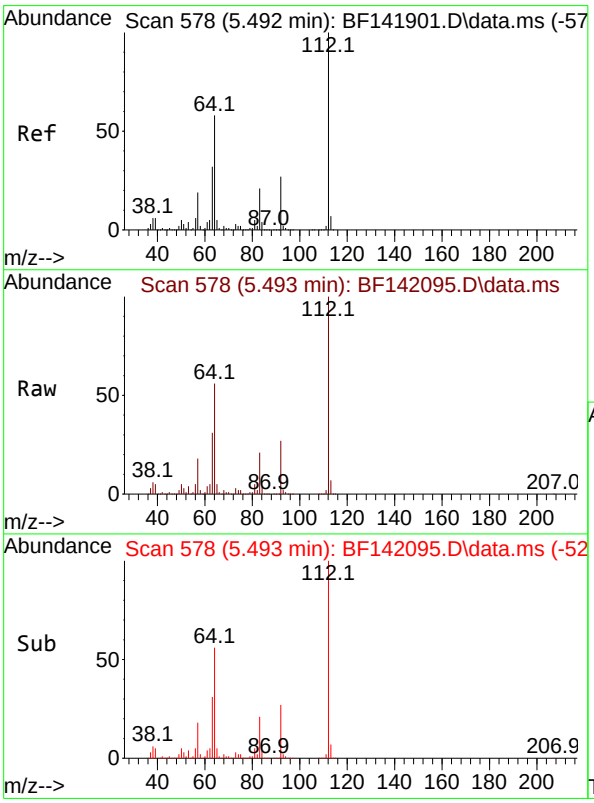
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion:152 Resp: 124680

Ion	Ratio	Lower	Upper
152	100		
150	154.5	127.4	191.2
115	62.9	51.9	77.9

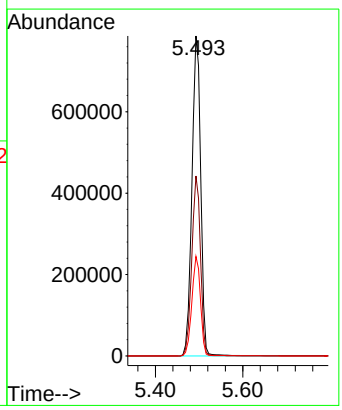


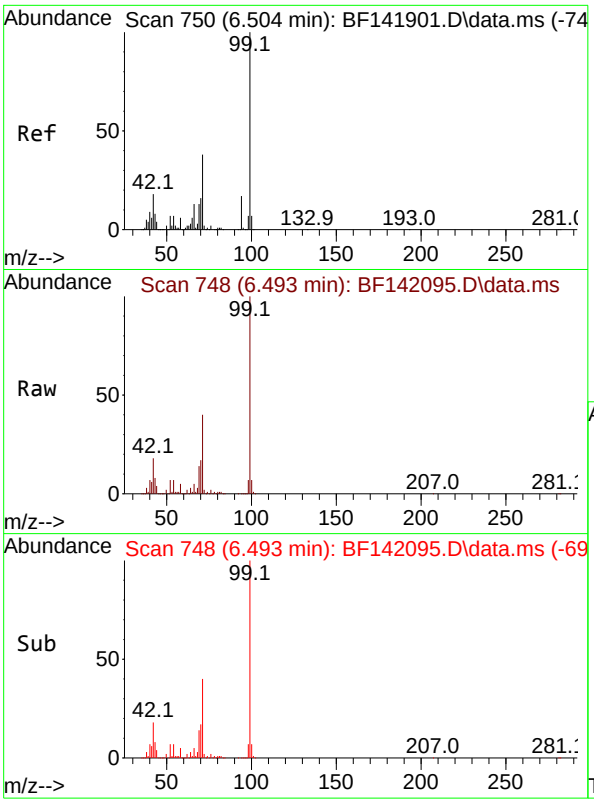


#5
2-Fluorophenol
Concen: 147.160 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:112 Resp: 1099360

Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.5	69.7
63	31.1	25.4	38.2



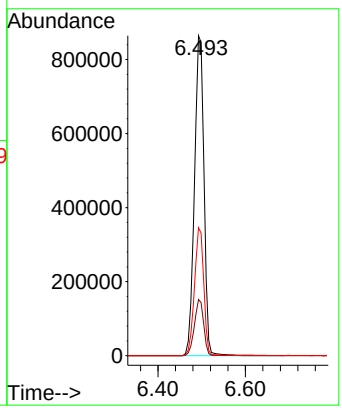


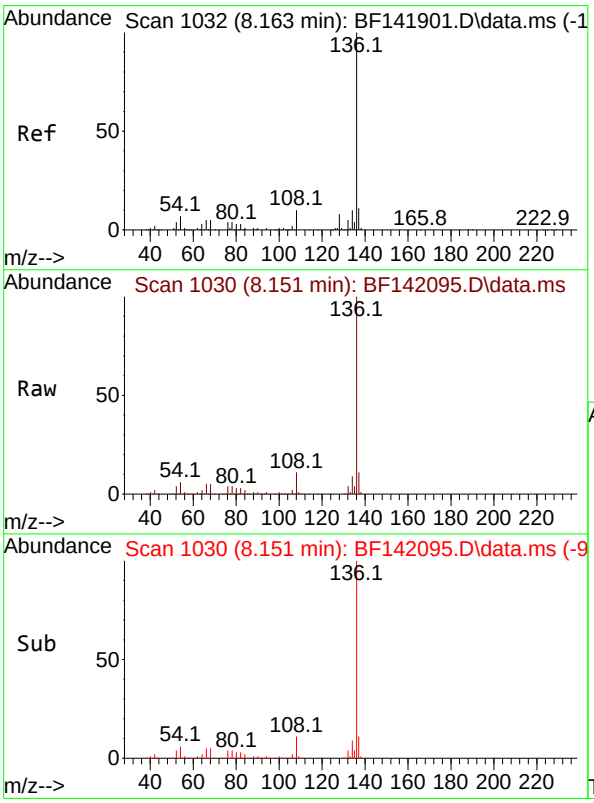
#7
Phenol-d6
Concen: 138.290 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion: 99 Resp: 1315366

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	40.0	30.8	46.2

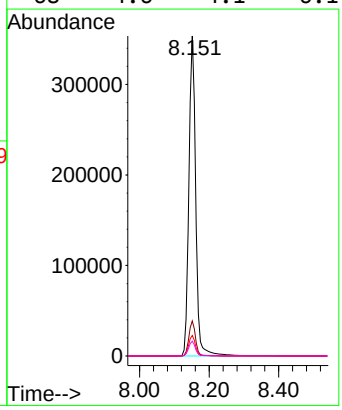


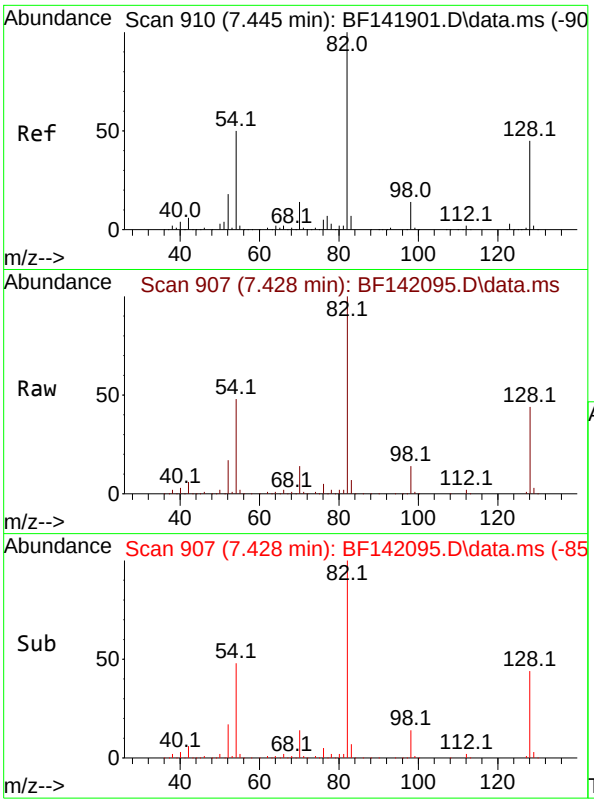


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:136 Resp: 480516

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.4	5.8	8.8
68	4.6	4.1	6.1



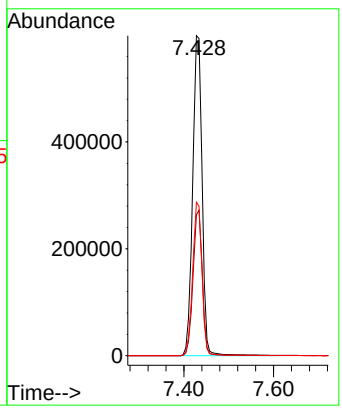


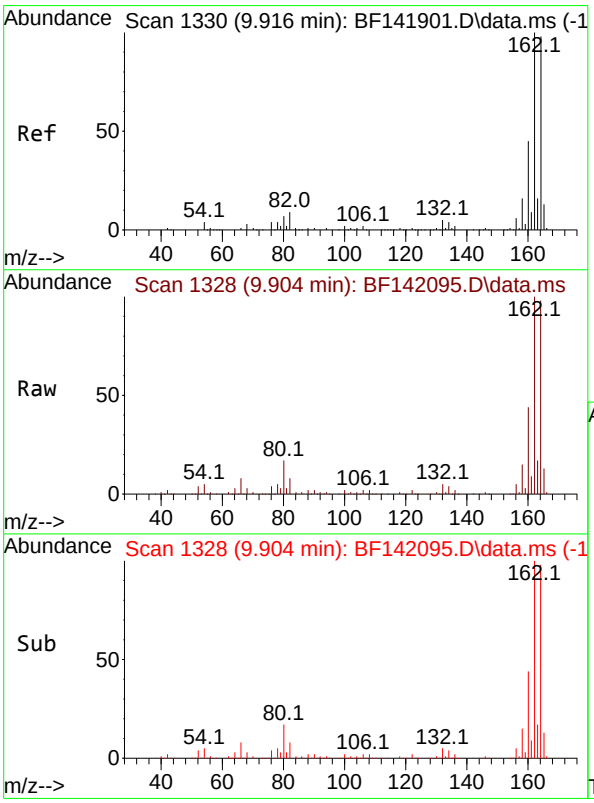
#23
Nitrobenzene-d5
Concen: 102.555 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion: 82 Resp: 875669

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	48.0	39.6	59.4

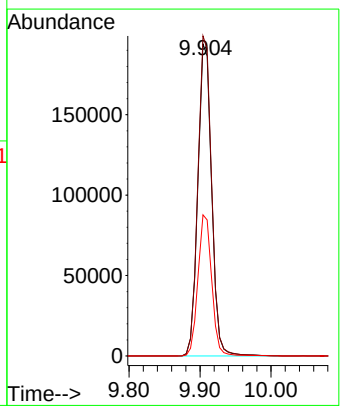


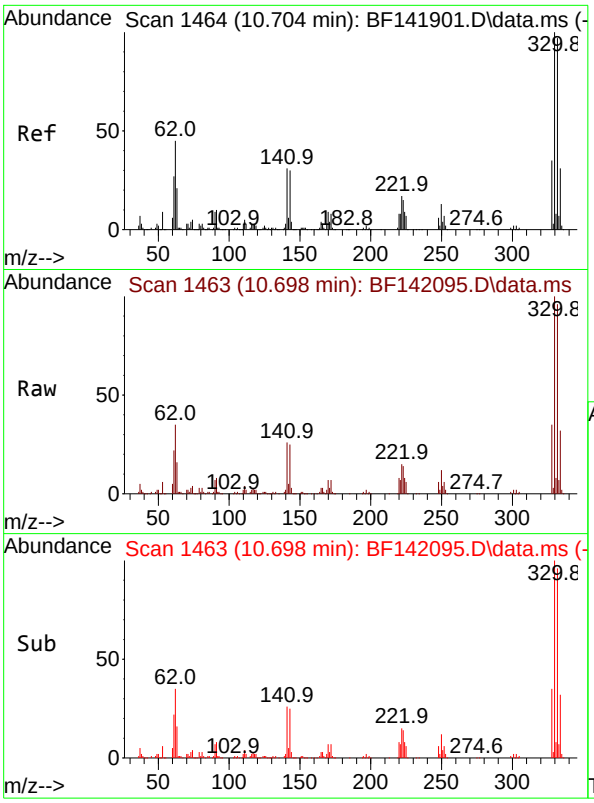


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:164 Resp: 261927

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	45.2	36.7	55.1



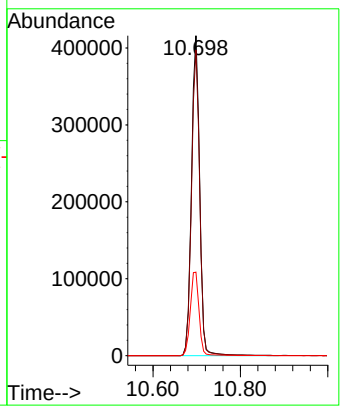


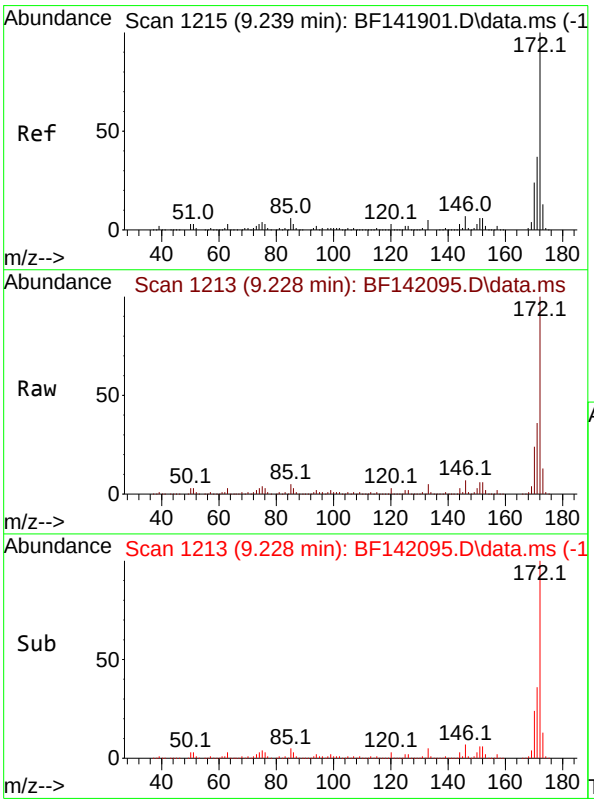
#42
2,4,6-Tribromophenol
Concen: 162.794 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion:330 Resp: 540945

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.6	116.4
141	28.1	24.7	37.1

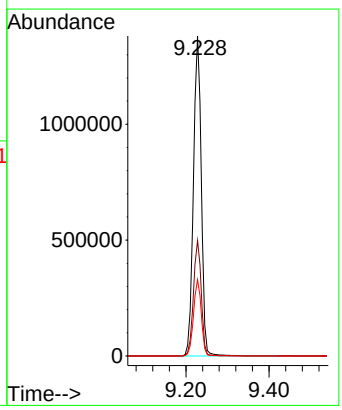


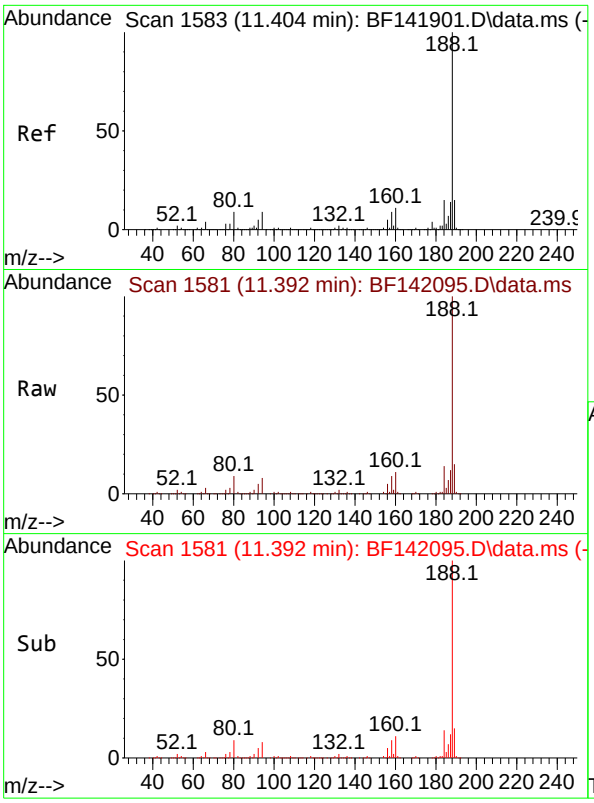


#45
2-Fluorobiphenyl
Concen: 105.411 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:172 Resp: 1815482

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	23.8	19.4	29.0



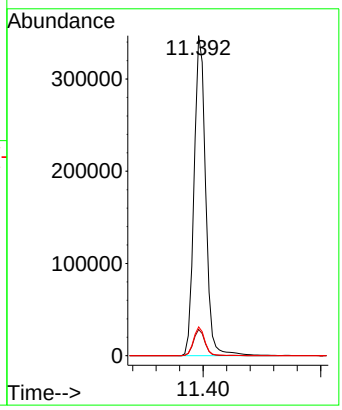


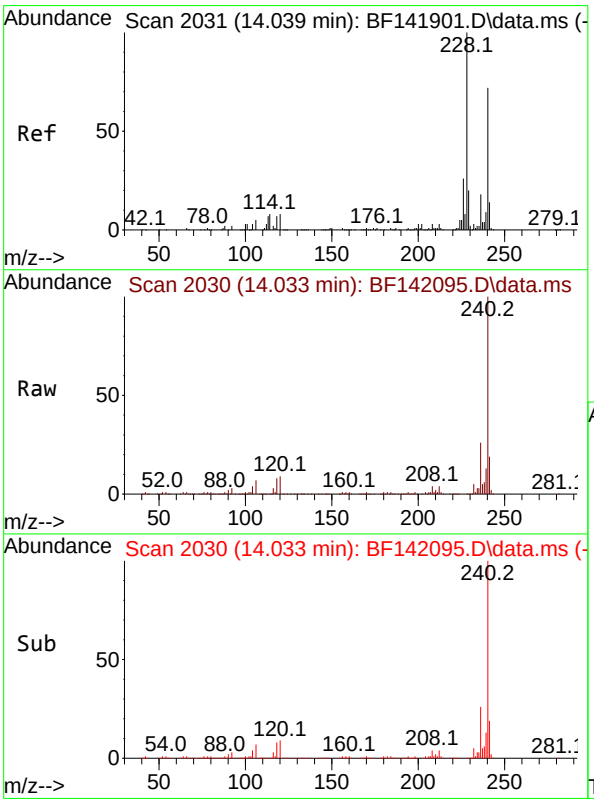
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion:188 Resp: 473117

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.0	7.6	11.4

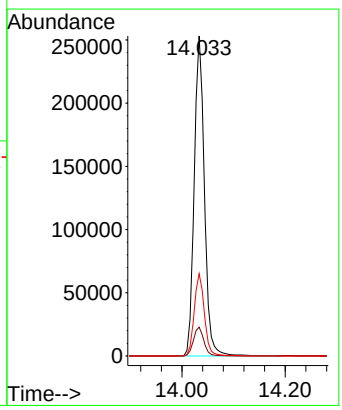


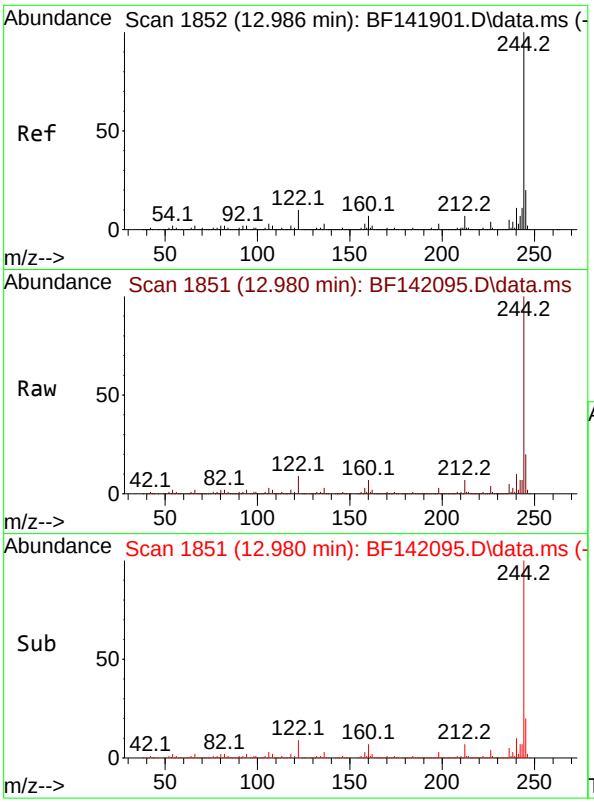


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:240 Resp: 346676

Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.4	12.6
236	25.7	20.5	30.7



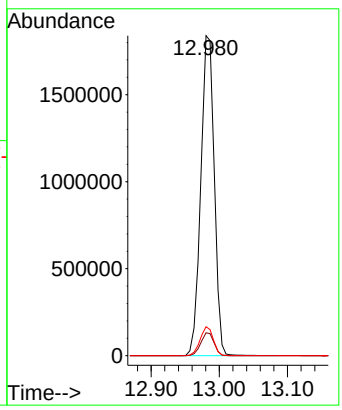


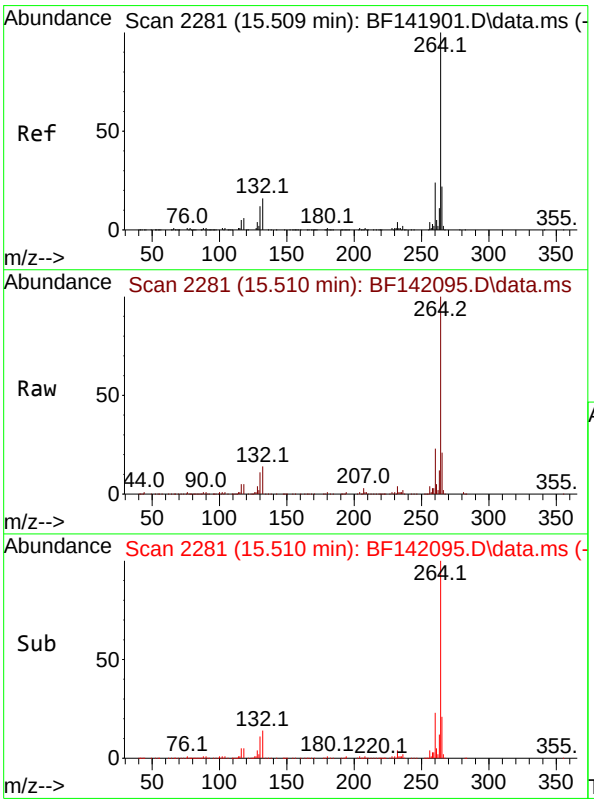
#79
Terphenyl-d14
Concen: 107.972 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Instrument :
BNA_F
ClientSampleId :
PB167310BL

Tgt Ion:244 Resp: 2531795

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.1	7.7	11.5

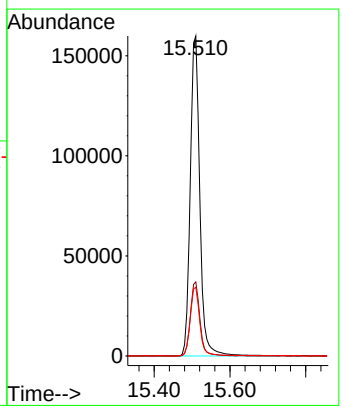




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF142095.D
Acq: 26 Mar 2025 14:07

Tgt Ion:264 Resp: 279819

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.5	17.5	26.3



Raw Data: **BF142096.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167310BS	SDG No.:	Q1626
Lab Sample ID:	PB167310BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142096.D	1	03/25/25 12:25	03/26/25 14:36	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	46.9		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	50.6		0.53	5.00	ug/L
95-48-7	2-Methylphenol	49.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.0		1.10	10.0	ug/L
67-72-1	Hexachloroethane	50.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	50.0		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	53.3		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.3		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.2		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.8		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	53.3		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	146		10 - 139	97%	SPK: 150
13127-88-3	Phenol-d6	140		10 - 134	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		49 - 133	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179		44 - 137	120%	SPK: 150
1718-51-0	Terphenyl-d14	107		48 - 125	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.869			
1146-65-2	Naphthalene-d8	477000	8.151			
15067-26-2	Acenaphthene-d10	273000	9.91			
1517-22-2	Phenanthrene-d10	497000	11.398			
1719-03-5	Chrysene-d12	338000	14.039			
1520-96-3	Perylene-d12	324000	15.51			

Raw Data: **BF142096.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC			Date Collected:			
Project:	Walsh CO-032 Sampling			Date Received:			
Client Sample ID:	PB167310BS			SDG No.:	Q1626		
Lab Sample ID:	PB167310BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :		Decanted :	N	Level :	LOW		
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142096.D	1	03/25/25 12:25	03/26/25 14:36	PB167310

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: **BF142096.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142096.D
Acq On : 26 Mar 2025 14:36
Operator : RC/JU
Sample : PB167310BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 14:58:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167310BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	126237	20.000	ng		-0.01
21) Naphthalene-d8	8.151	136	477255	20.000	ng		-0.01
39) Acenaphthene-d10	9.910	164	273347	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	496995	20.000	ng		0.00
76) Chrysene-d12	14.039	240	337990	20.000	ng		0.00
86) Perylene-d12	15.510	264	323857	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1104730	146.055	ng		0.00
7) Phenol-d6	6.504	99	1346472	139.815	ng		0.00
23) Nitrobenzene-d5	7.434	82	884127	104.253	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	622165	179.414	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1857769	103.360	ng		-0.01
79) Terphenyl-d14	12.980	244	2456904	107.471	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.716	88	137024	43.235	ng		97
3) Pyridine	3.475	79	364765	46.921	ng		98
4) n-Nitrosodimethylamine	3.422	42	171810	46.363	ng		98
6) Aniline	6.534	93	415971	43.785	ng		98
8) 2-Chlorophenol	6.657	128	425302	50.699	ng		97
9) Benzaldehyde	6.422	77	269350	50.009	ng		99
10) Phenol	6.516	94	482742	47.648	ng		94
11) bis(2-Chloroethyl)ether	6.604	93	353126	46.418	ng		98
12) 1,3-Dichlorobenzene	6.810	146	452476	49.961	ng		99
13) 1,4-Dichlorobenzene	6.887	146	463227	50.552	ng		99
14) 1,2-Dichlorobenzene	7.040	146	437222	50.657	ng		98
15) Benzyl Alcohol	7.010	79	364688	46.841	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	383567	41.763	ng		96
17) 2-Methylphenol	7.122	107	330484	49.548	ng		99
18) Hexachloroethane	7.381	117	172237	50.124	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	268400	43.374	ng		99
20) 3+4-Methylphenols	7.275	107	410442	48.042	ng	#	86
22) Acetophenone	7.281	105	557122	48.746	ng		97
24) Nitrobenzene	7.451	77	421260	49.967	ng		99
25) Isophorone	7.692	82	758256	50.581	ng		99
26) 2-Nitrophenol	7.769	139	225120	54.405	ng		98
27) 2,4-Dimethylphenol	7.804	122	383131	67.244	ng		99
28) bis(2-Chloroethoxy)met...	7.898	93	449579	47.815	ng		99
29) 2,4-Dichlorophenol	8.010	162	356073	50.349	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	404022	51.840	ng		99
31) Naphthalene	8.175	128	1205964	49.191	ng		100
32) Benzoic acid	7.922	122	250973	50.111	ng		95
33) 4-Chloroaniline	8.222	127	138212	15.970	ng		98
34) Hexachlorobutadiene	8.292	225	270724	53.265	ng		99
35) Caprolactam	8.592	113	109814m	50.932	ng		
36) 4-Chloro-3-methylphenol	8.704	107	391492	49.625	ng		99
37) 2-Methylnaphthalene	8.869	142	728565	44.461	ng		100
38) 1-Methylnaphthalene	8.969	142	760843	48.115	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	425938	51.180	ng		99
41) Hexachlorocyclopentadiene	9.022	237	601425	184.655	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	273406	50.268	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142096.D
Acq On : 26 Mar 2025 14:36
Operator : RC/JU
Sample : PB167310BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167310BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025

Quant Time: Mar 26 14:58:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	293009	53.191	ng		98
46) 1,1'-Biphenyl	9.334	154	1030110	49.598	ng		99
47) 2-Chloronaphthalene	9.357	162	777352	50.215	ng		99
48) 2-Nitroaniline	9.451	65	226346	50.499	ng		96
49) Acenaphthylene	9.775	152	1237960	53.889	ng		100
50) Dimethylphthalate	9.634	163	933212	48.753	ng		100
51) 2,6-Dinitrotoluene	9.692	165	210315	52.770	ng		95
52) Acenaphthene	9.945	154	906677	56.162	ng		100
53) 3-Nitroaniline	9.863	138	118092	29.211	ng		98
54) 2,4-Dinitrophenol	9.969	184	248763	107.402	ng	#	48
55) Dibenzofuran	10.116	168	1113940	48.290	ng		99
56) 4-Nitrophenol	10.028	139	346053	113.506	ng		95
57) 2,4-Dinitrotoluene	10.098	165	300789	57.783	ng		99
58) Fluorene	10.463	166	903758	50.804	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	266786	53.223	ng		97
60) Diethylphthalate	10.333	149	917722	48.081	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	462075	49.823	ng		98
62) 4-Nitroaniline	10.481	138	216406	54.983	ng		97
63) Azobenzene	10.610	77	817943	46.094	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	172708	58.292	ng		93
66) n-Nitrosodiphenylamine	10.569	169	785412	48.835	ng		100
67) 4-Bromophenyl-phenylether	10.939	248	307368	49.244	ng		99
68) Hexachlorobenzene	11.010	284	364796	53.288	ng		93
69) Atrazine	11.098	200	296758	60.190	ng		99
70) Pentachlorophenol	11.204	266	424414	100.624	ng		99
71) Phenanthrene	11.422	178	1388418	51.721	ng		99
72) Anthracene	11.475	178	1408266	52.290	ng		100
73) Carbazole	11.628	167	1222898	52.651	ng		100
74) Di-n-butylphthalate	11.957	149	1450020	47.050	ng		99
75) Fluoranthene	12.610	202	1466917	51.515	ng		99
77) Benzidine	12.733	184	554493	117.587	ng		100
78) Pyrene	12.839	202	1435225	49.090	ng		100
80) Butylbenzylphthalate	13.457	149	523190	45.720	ng		97
81) Benzo(a)anthracene	14.027	228	1138376	51.327	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	149177	23.275	ng		98
83) Chrysene	14.063	228	1031945	51.329	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	678861	43.026	ng		99
85) Di-n-octyl phthalate	14.627	149	999996	45.551	ng		97
87) Indeno(1,2,3-cd)pyrene	17.004	276	1026977	49.021	ng		97
88) Benzo(b)fluoranthene	15.080	252	996099	44.878	ng		99
89) Benzo(k)fluoranthene	15.110	252	999953	52.644	ng		99
90) Benzo(a)pyrene	15.451	252	948388	54.608	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	835575	48.340	ng		98
92) Benzo(g,h,i)perylene	17.451	276	767484	44.931	ng		97

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

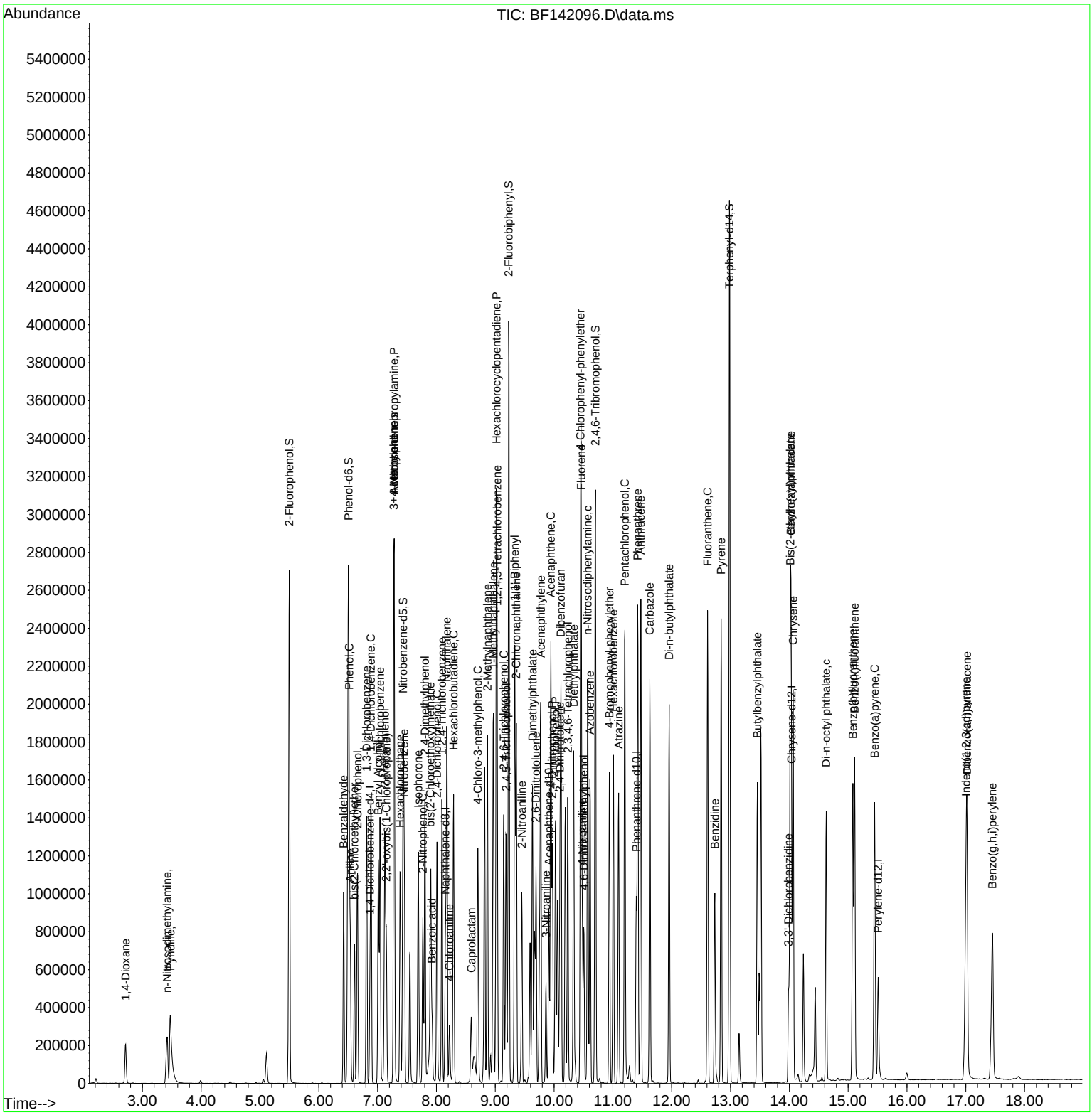
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
Data File : BF142096.D
Acq On : 26 Mar 2025 14:36
Operator : RC/JU
Sample : PB167310BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 14:58:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB167310BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/27/2025
Supervised By :Jagrut Upadhyay 03/27/2025



Raw Data: **BF142086.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMS	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142086.D	1	03/25/25 12:25	03/25/25 19:08	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	400		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	460		5.30	50.0	ug/L
95-48-7	2-Methylphenol	520		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	510		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	510		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	500		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	570		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	590		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	600		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	620		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	790		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		49 - 133	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		52 - 132	108%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179		44 - 137	119%	SPK: 150
1718-51-0	Terphenyl-d14	114		48 - 125	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.875			
1146-65-2	Naphthalene-d8	569000	8.157			
15067-26-2	Acenaphthene-d10	317000	9.91			
1517-22-2	Phenanthrene-d10	518000	11.398			
1719-03-5	Chrysene-d12	312000	14.033			
1520-96-3	Perylene-d12	310000	15.504			

Raw Data: **BF142086.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMS	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142086.D	1	03/25/25 12:25	03/25/25 19:08	PB167310

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\BF032525\
Data File : BF142086.D
Acq On : 25 Mar 2025 19:08
Operator : RC/JU
Sample : Q1627-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 21:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/26/2025
Supervised By :Jagrut Upadhyay 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	146933	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	568677	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	316885	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	518084	20.000	ng		0.00
76) Chrysene-d12	14.033	240	312206	20.000	ng		0.00
86) Perylene-d12	15.504	264	310091	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1268309	144.063	ng		0.02
7) Phenol-d6	6.510	99	1509407	134.657	ng		0.00
23) Nitrobenzene-d5	7.439	82	1089492	107.815	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	720328	179.181	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2259840	108.455	ng		0.00
79) Terphenyl-d14	12.980	244	2406993	113.983	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.863	88	151446	41.055	ng	#	84
3) Pyridine	3.563	79	366307	40.483	ng		97
4) n-Nitrosodimethylamine	3.504	42	196013	45.444	ng		95
6) Aniline	6.540	93	183049	16.554	ng	#	79
8) 2-Chlorophenol	6.663	128	509273	52.157	ng		97
9) Benzaldehyde	6.428	77	203274	32.425	ng		99
10) Phenol	6.522	94	529693	44.918	ng		96
11) bis(2-Chloroethyl)ether	6.610	93	448774	50.681	ng		98
12) 1,3-Dichlorobenzene	6.816	146	479092	45.448	ng		99
13) 1,4-Dichlorobenzene	6.892	146	488512	45.802	ng		99
14) 1,2-Dichlorobenzene	7.045	146	472132	46.997	ng		98
15) Benzyl Alcohol	7.016	79	449377	49.589	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	449981	42.093	ng		86
17) 2-Methylphenol	7.128	107	405943	52.289	ng		98
18) Hexachloroethane	7.386	117	178215	44.559	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	333411	46.290	ng		98
20) 3+4-Methylphenols	7.281	107	507226	51.008	ng	#	82
22) Acetophenone	7.287	105	672931	49.413	ng		98
24) Nitrobenzene	7.457	77	512957	51.062	ng		98
25) Isophorone	7.698	82	952044	53.298	ng		98
26) 2-Nitrophenol	7.769	139	278126	56.410	ng		99
27) 2,4-Dimethylphenol	7.804	122	483286	71.186	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	564703	50.404	ng		100
29) 2,4-Dichlorophenol	8.010	162	458791	54.444	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	470179	50.630	ng		98
31) Naphthalene	8.175	128	1422153	48.684	ng		100
32) Benzoic acid	7.886	122	75657	12.678	ng		95
33) 4-Chloroaniline	8.222	127	103216	10.009	ng		97
34) Hexachlorobutadiene	8.292	225	302949	50.023	ng		99
35) Caprolactam	8.598	113	98996m	38.533	ng		
36) 4-Chloro-3-methylphenol	8.710	107	498429	53.024	ng		97
37) 2-Methylnaphthalene	8.869	142	906891	46.446	ng		99
38) 1-Methylnaphthalene	8.969	142	951247	50.485	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	522066	54.112	ng		98
41) Hexachlorocyclopentadiene	9.022	237	642920	170.275	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	358467	56.852	ng		99

Sample Results: **BF142086.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142086.D
Acq On : 25 Mar 2025 19:08
Operator : RC/JU
Sample : Q1627-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 21:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/26/2025
Supervised By :Jagrut Upadhyay 03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	379160	59.374	ng		98
46) 1,1'-Biphenyl	9.333	154	1300049	53.995	ng		99
47) 2-Chloronaphthalene	9.357	162	986031	54.944	ng		99
48) 2-Nitroaniline	9.451	65	287819	55.391	ng		99
49) Acenaphthylene	9.775	152	1557783	58.494	ng		100
50) Dimethylphthalate	9.633	163	1213224	54.673	ng		100
51) 2,6-Dinitrotoluene	9.698	165	263762	57.088	ng		92
52) Acenaphthene	9.945	154	1015525	54.262	ng		100
53) 3-Nitroaniline	9.863	138	120897	25.796	ng		97
54) 2,4-Dinitrophenol	9.969	184	122940	49.557	ng	#	49
55) Dibenzofuran	10.116	168	1404534	52.522	ng		100
56) 4-Nitrophenol	10.028	139	327646	92.703	ng		96
57) 2,4-Dinitrotoluene	10.098	165	361487	59.903	ng		100
58) Fluorene	10.463	166	1119768	54.298	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	314773	54.168	ng		97
60) Diethylphthalate	10.333	149	1147622	51.865	ng		99
61) 4-Chlorophenyl-phenyle...	10.451	204	591499	55.015	ng		97
62) 4-Nitroaniline	10.480	138	228701	50.123	ng		96
63) Azobenzene	10.610	77	1019407	49.554	ng		98
65) 4,6-Dinitro-2-methylph...	10.504	198	125290	40.566	ng		98
66) n-Nitrosodiphenylamine	10.569	169	968937	57.794	ng		100
67) 4-Bromophenyl-phenylether	10.939	248	384118	59.036	ng		99
68) Hexachlorobenzene	11.010	284	439777	61.626	ng		94
69) Atrazine	11.098	200	325948	63.419	ng		99
70) Pentachlorophenol	11.204	266	348412	79.242	ng		100
71) Phenanthrene	11.422	178	1589931	56.817	ng		100
72) Anthracene	11.474	178	1604976	57.168	ng		100
73) Carbazole	11.627	167	1290645	53.306	ng		100
74) Di-n-butylphthalate	11.957	149	1624422	50.563	ng		99
75) Fluoranthene	12.610	202	1487505	50.112	ng		99
77) Benzidine	12.733	184	76495	17.561	ng	#	91
78) Pyrene	12.839	202	1422899	52.688	ng		99
80) Butylbenzylphthalate	13.451	149	522765	49.456	ng		99
81) Benzo(a)anthracene	14.027	228	1164345	56.833	ng		100
82) 3,3'-Dichlorobenzidine	13.986	252	101558	17.154	ng		100
83) Chrysene	14.063	228	1025756	55.235	ng		100
84) Bis(2-ethylhexyl)phtha...	14.010	149	706132	48.451	ng		100
85) Di-n-octyl phthalate	14.621	149	1175417	57.964	ng		98
87) Indeno(1,2,3-cd)pyrene	16.998	276	1047831	52.237	ng		97
88) Benzo(b)fluoranthene	15.074	252	1148776	54.054	ng		99
89) Benzo(k)fluoranthene	15.104	252	989040	54.381	ng		100
90) Benzo(a)pyrene	15.445	252	982295	59.071	ng		100
91) Dibenzo(a,h)anthracene	17.015	278	843735	50.979	ng		98
92) Benzo(g,h,i)perylene	17.445	276	795340	48.629	ng		98

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

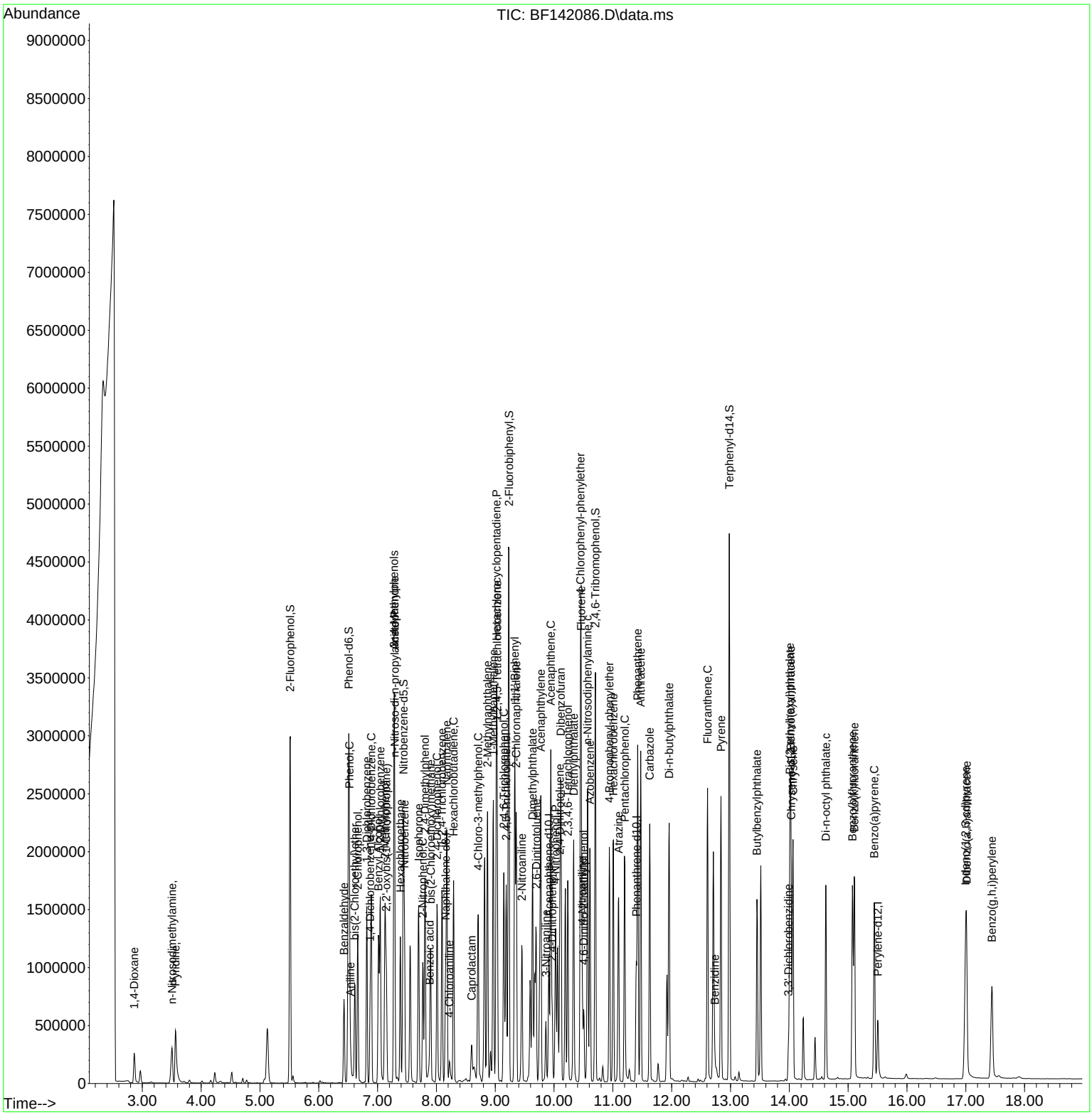
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142086.D
Acq On : 25 Mar 2025 19:08
Operator : RC/JU
Sample : Q1627-01MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 25 21:49:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/26/2025
Supervised By :Jagrut Upadhyay 03/26/2025



Raw Data: **BF142087.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMSD	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142087.D	1	03/25/25 12:25	03/25/25 19:37	PB167310

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	410		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	460		5.30	50.0	ug/L
95-48-7	2-Methylphenol	530		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	510		11.0	100	ug/L
67-72-1	Hexachloroethane	450		6.50	50.0	ug/L
98-95-3	Nitrobenzene	500		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	500		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	560		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	590		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	620		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	810	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 134	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		49 - 133	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	109		52 - 132	109%	SPK: 100
118-79-6	2,4,6-Tribromophenol	175		44 - 137	116%	SPK: 150
1718-51-0	Terphenyl-d14	118		48 - 125	118%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.875			
1146-65-2	Naphthalene-d8	576000	8.157			
15067-26-2	Acenaphthene-d10	321000	9.91			
1517-22-2	Phenanthrene-d10	519000	11.398			
1719-03-5	Chrysene-d12	286000	14.033			
1520-96-3	Perylene-d12	306000	15.504			

Raw Data: **BF142087.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	03/20/25
Project:	Walsh CO-032 Sampling	Date Received:	03/21/25
Client Sample ID:	GRID-LINE-1.2-NORTHMSD	SDG No.:	Q1626
Lab Sample ID:	Q1627-01MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142087.D	1	03/25/25 12:25	03/25/25 19:37	PB167310

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: **BF142087.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142087.D
Acq On : 25 Mar 2025 19:37
Operator : RC/JU
Sample : Q1627-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 25 21:50:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio
03/26/2025
Supervised By :Jagrut Upadhyay
03/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	147582	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	576033	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	320833	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	519359	20.000	ng		0.00
76) Chrysene-d12	14.033	240	286436	20.000	ng		0.00
86) Perylene-d12	15.504	264	306276	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1272624	143.917	ng		0.02
7) Phenol-d6	6.510	99	1529391	135.840	ng		0.00
23) Nitrobenzene-d5	7.439	82	1101944	107.655	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	710416	174.541	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2306482	109.332	ng		0.00
79) Terphenyl-d14	12.980	244	2283216	117.849	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.869	88	152888	41.264	ng	#	84
3) Pyridine	3.569	79	371564	40.883	ng		98
4) n-Nitrosodimethylamine	3.510	42	198756	45.877	ng		97
6) Aniline	6.539	93	203518	18.324	ng	#	78
8) 2-Chlorophenol	6.663	128	512313	52.238	ng		97
9) Benzaldehyde	6.428	77	203847	32.373	ng		99
10) Phenol	6.522	94	534367	45.115	ng		96
11) bis(2-Chloroethyl)ether	6.610	93	455495	51.214	ng		98
12) 1,3-Dichlorobenzene	6.816	146	483255	45.642	ng		99
13) 1,4-Dichlorobenzene	6.892	146	490090	45.748	ng		99
14) 1,2-Dichlorobenzene	7.045	146	475822	47.156	ng		98
15) Benzyl Alcohol	7.016	79	457196	50.230	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	456827	42.545	ng		94
17) 2-Methylphenol	7.128	107	410976	52.704	ng		98
18) Hexachloroethane	7.386	117	181574	45.199	ng		95
19) n-Nitroso-di-n-propyla...	7.292	70	340881	47.119	ng		98
20) 3+4-Methylphenols	7.281	107	510347	51.096	ng	#	84
22) Acetophenone	7.286	105	680001	49.295	ng		97
24) Nitrobenzene	7.457	77	513007	50.415	ng		97
25) Isophorone	7.698	82	968710	53.539	ng		99
26) 2-Nitrophenol	7.769	139	278309	55.726	ng		98
27) 2,4-Dimethylphenol	7.810	122	497284	72.313	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	572475	50.445	ng		99
29) 2,4-Dichlorophenol	8.010	162	463821	54.338	ng		100
30) 1,2,4-Trichlorobenzene	8.092	180	473289	50.314	ng		100
31) Naphthalene	8.180	128	1431482	48.377	ng		100
32) Benzoic acid	7.910	122	205050	33.921	ng		97
33) 4-Chloroaniline	8.222	127	88832	8.504	ng		97
34) Hexachlorobutadiene	8.292	225	308947	50.362	ng		99
35) Caprolactam	8.598	113	103649m	39.829	ng		
36) 4-Chloro-3-methylphenol	8.710	107	508260	53.379	ng		97
37) 2-Methylnaphthalene	8.869	142	924318	46.734	ng		99
38) 1-Methylnaphthalene	8.969	142	958054	50.197	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	542670	55.555	ng		99
41) Hexachlorocyclopentadiene	9.022	237	640147	167.454	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	374905	58.727	ng		100

Sample Results: **BF142087.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142087.D
Acq On : 25 Mar 2025 19:37
Operator : RC/JU
Sample : Q1627-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 25 21:50:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/26/2025
Supervised By :Jagrut Upadhyay 03/26/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.186	196	365263	56.494	ng		99
46)	1,1'-Biphenyl	9.333	154	1319010	54.108	ng		99
47)	2-Chloronaphthalene	9.357	162	995264	54.776	ng		99
48)	2-Nitroaniline	9.451	65	288428	54.825	ng		100
49)	Acenaphthylene	9.774	152	1559293	57.831	ng		100
50)	Dimethylphthalate	9.633	163	1224995	54.524	ng		100
51)	2,6-Dinitrotoluene	9.698	165	265102	56.672	ng		92
52)	Acenaphthene	9.945	154	1022453	53.960	ng		100
53)	3-Nitroaniline	9.863	138	113374	23.893	ng		100
54)	2,4-Dinitrophenol	9.969	184	104863	42.786	ng	#	51
55)	Dibenzofuran	10.116	168	1420103	52.451	ng		100
56)	4-Nitrophenol	10.027	139	314724	87.951	ng		95
57)	2,4-Dinitrotoluene	10.098	165	362742	59.371	ng		100
58)	Fluorene	10.463	166	1131216	54.179	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.233	232	325631	55.347	ng		96
60)	Diethylphthalate	10.333	149	1156487	51.623	ng		99
61)	4-Chlorophenyl-phenyle...	10.451	204	597660	54.904	ng		98
62)	4-Nitroaniline	10.480	138	224343	48.563	ng		98
63)	Azobenzene	10.610	77	1035418	49.713	ng		98
65)	4,6-Dinitro-2-methylph...	10.504	198	113032	36.508	ng		100
66)	n-Nitrosodiphenylamine	10.569	169	971153	57.784	ng		100
67)	4-Bromophenyl-phenylether	10.939	248	390550	59.877	ng		98
68)	Hexachlorobenzene	11.010	284	446783	62.454	ng		94
69)	Atrazine	11.098	200	324123	62.909	ng		99
70)	Pentachlorophenol	11.204	266	358787	81.401	ng		99
71)	Phenanthrene	11.421	178	1577629	56.239	ng		100
72)	Anthracene	11.474	178	1614204	57.356	ng		100
73)	Carbazole	11.627	167	1261459	51.973	ng		100
74)	Di-n-butylphthalate	11.957	149	1597049	49.589	ng		100
75)	Fluoranthene	12.610	202	1420422	47.734	ng		99
77)	Benzidine	12.727	184	84364	21.110	ng	#	87
78)	Pyrene	12.839	202	1371346	55.347	ng		99
80)	Butylbenzylphthalate	13.451	149	492103	50.744	ng		99
81)	Benzo(a)anthracene	14.021	228	1111333	59.126	ng		99
82)	3,3'-Dichlorobenzidine	13.986	252	113644	20.922	ng		99
83)	Chrysene	14.062	228	955678	56.091	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.009	149	649962	48.609	ng		99
85)	Di-n-octyl phthalate	14.621	149	1148175	61.714	ng		98
87)	Indeno(1,2,3-cd)pyrene	16.998	276	1033087	52.143	ng		97
88)	Benzo(b)fluoranthene	15.074	252	1141038	54.359	ng		99
89)	Benzo(k)fluoranthene	15.104	252	945468	52.633	ng		99
90)	Benzo(a)pyrene	15.445	252	968916	58.992	ng		99
91)	Dibenzo(a,h)anthracene	17.015	278	840007	51.386	ng		98
92)	Benzo(g,h,i)perylene	17.445	276	773357	47.874	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
Data File : BF142087.D
Acq On : 25 Mar 2025 19:37
Operator : RC/JU
Sample : Q1627-01MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

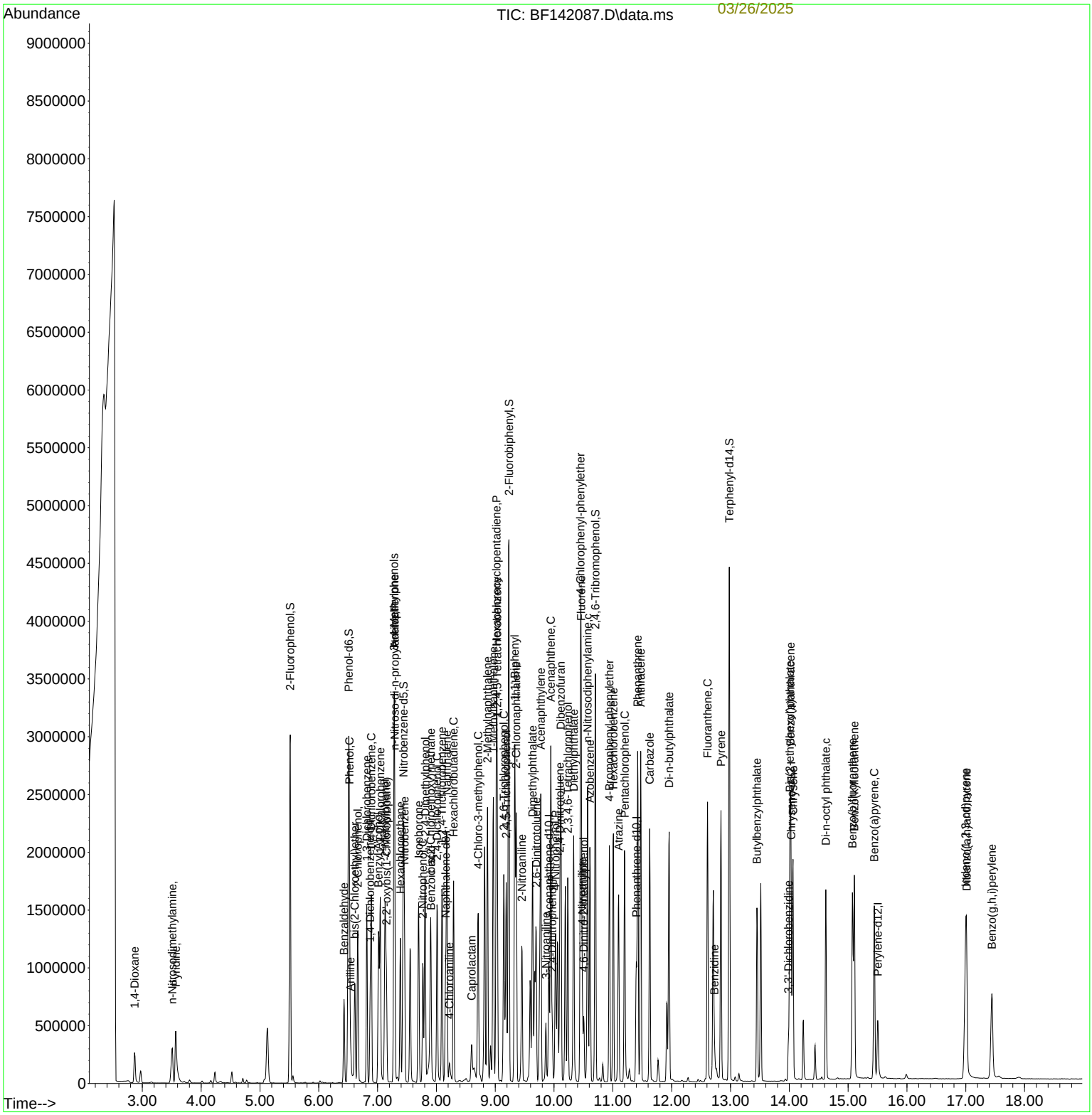
Quant Time: Mar 25 21:50:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
GRID-LINE-1.2-NORTHMSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/26/2025

Supervised By :Jagrut Upadhyay
03/26/2025



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

Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF032525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1627-01MS	BF142086.D	Caprolactam	anahy	3/26/2025 9:06:40 AM	Jagrut	3/26/2025 4:50:36 PM	Peak Integrated by Software
Q1627-01MSD	BF142087.D	Caprolactam	anahy	3/26/2025 9:07:26 AM	Jagrut	3/26/2025 4:50:38 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF032625	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 # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	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 # BF032525

Review By	anahy	Review On	3/26/2025 9:09:40 AM				
Supervise By	Jagrut	Supervise On	3/26/2025 4:50:57 PM				
SubDirectory	BF032525	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142067.D	25 Mar 2025 09:39	RC/JU	Ok
2	SSTDCCC040	BF142068.D	25 Mar 2025 10:09	RC/JU	Ok
3	PB167274BL	BF142069.D	25 Mar 2025 10:39	RC/JU	Ok
4	PB167274BS	BF142070.D	25 Mar 2025 11:09	RC/JU	Ok,M
5	PB167261BL	BF142071.D	25 Mar 2025 11:38	RC/JU	Ok
6	PB167261BS	BF142072.D	25 Mar 2025 12:08	RC/JU	Ok,M
7	PB167193TB	BF142073.D	25 Mar 2025 12:38	RC/JU	Ok
8	PB167230BL	BF142074.D	25 Mar 2025 13:07	RC/JU	Ok
9	PB167230BS	BF142075.D	25 Mar 2025 13:37	RC/JU	Ok,M
10	PB167230BSD	BF142076.D	25 Mar 2025 14:07	RC/JU	Ok,M
11	PB167254BL	BF142077.D	25 Mar 2025 14:37	RC/JU	Ok
12	PB167254BS	BF142078.D	25 Mar 2025 15:07	RC/JU	Ok,M
13	Q1619-06	BF142079.D	25 Mar 2025 15:41	RC/JU	Ok
14	Q1619-08	BF142080.D	25 Mar 2025 16:11	RC/JU	Ok
15	Q1619-10	BF142081.D	25 Mar 2025 16:41	RC/JU	Ok
16	Q1619-14	BF142082.D	25 Mar 2025 17:10	RC/JU	Ok
17	Q1609-03	BF142083.D	25 Mar 2025 17:39	RC/JU	Ok
18	Q1626-03	BF142084.D	25 Mar 2025 18:09	RC/JU	Ok
19	Q1627-01	BF142085.D	25 Mar 2025 18:38	RC/JU	Ok
20	Q1627-01MS	BF142086.D	25 Mar 2025 19:08	RC/JU	Ok,M
21	Q1627-01MSD	BF142087.D	25 Mar 2025 19:37	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 # BF032525

Review By	anahy	Review On	3/26/2025 9:09:40 AM		
Supervise By	Jagrut	Supervise On	3/26/2025 4:50:57 PM		
SubDirectory	BF032525	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1630-02	BF142088.D	25 Mar 2025 20:07	RC/JU	Ok
23	Q1632-02	BF142089.D	25 Mar 2025 20:36	RC/JU	Ok,M
24	Q1636-04	BF142090.D	25 Mar 2025 21:06	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 # BF032625

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF032625	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142091.D	26 Mar 2025 11:38	RC/JU	Ok
2	SSTDCCC040	BF142092.D	26 Mar 2025 12:37	RC/JU	Ok,NR
3	PB167291BL	BF142093.D	26 Mar 2025 13:07	RC/JU	Ok
4	PB167291BS	BF142094.D	26 Mar 2025 13:37	RC/JU	Ok,NR
5	PB167310BL	BF142095.D	26 Mar 2025 14:07	RC/JU	Ok
6	PB167310BS	BF142096.D	26 Mar 2025 14:36	RC/JU	Ok,NR
7	PB167275TB	BF142097.D	26 Mar 2025 15:06	RC/JU	Ok
8	Q1631-04	BF142098.D	26 Mar 2025 15:43	RC/JU	Ok
9	Q1636-17	BF142099.D	26 Mar 2025 16:12	RC/JU	Ok
10	Q1636-08	BF142100.D	26 Mar 2025 16:41	RC/JU	Ok
11	Q1636-12	BF142101.D	26 Mar 2025 17:11	RC/JU	Ok
12	Q1636-16	BF142102.D	26 Mar 2025 17:40	RC/JU	Ok
13	Q1636-20	BF142103.D	26 Mar 2025 18:10	RC/JU	Ok
14	Q1625-01	BF142104.D	26 Mar 2025 18:39	RC/JU	Ok
15	Q1636-05	BF142105.D	26 Mar 2025 19:09	RC/JU	Ok
16	Q1636-09	BF142106.D	26 Mar 2025 19:38	RC/JU	Ok
17	Q1636-13	BF142107.D	26 Mar 2025 20:08	RC/JU	Ok
18	Q1636-17MS	BF142108.D	26 Mar 2025 20:37	RC/JU	Ok,NR
19	Q1636-17MSD	BF142109.D	26 Mar 2025 21:07	RC/JU	Ok,NR
20	Q1630-01	BF142110.D	26 Mar 2025 21:37	RC/JU	Ok,NR
21	Q1631-01	BF142111.D	26 Mar 2025 22:06	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF032625

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF032625	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1637-01	BF142112.D	26 Mar 2025 22:35	RC/JU	Ok,NR
23	Q1637-03	BF142113.D	26 Mar 2025 23:05	RC/JU	Ok,NR

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF032525

Review By	anahy	Review On	3/26/2025 9:09:40 AM		
Supervise By	Jagrut	Supervise On	3/26/2025 4:50:57 PM		
SubDirectory	BF032525	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142067.D	25 Mar 2025 09:39		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142068.D	25 Mar 2025 10:09		RC/JU	Ok
3	PB167274BL	PB167274BL	BF142069.D	25 Mar 2025 10:39		RC/JU	Ok
4	PB167274BS	PB167274BS	BF142070.D	25 Mar 2025 11:09		RC/JU	Ok,M
5	PB167261BL	PB167261BL	BF142071.D	25 Mar 2025 11:38		RC/JU	Ok
6	PB167261BS	PB167261BS	BF142072.D	25 Mar 2025 12:08		RC/JU	Ok,M
7	PB167193TB	PB167193TB	BF142073.D	25 Mar 2025 12:38		RC/JU	Ok
8	PB167230BL	PB167230BL	BF142074.D	25 Mar 2025 13:07		RC/JU	Ok
9	PB167230BS	PB167230BS	BF142075.D	25 Mar 2025 13:37		RC/JU	Ok,M
10	PB167230BSD	PB167230BSD	BF142076.D	25 Mar 2025 14:07		RC/JU	Ok,M
11	PB167254BL	PB167254BL	BF142077.D	25 Mar 2025 14:37		RC/JU	Ok
12	PB167254BS	PB167254BS	BF142078.D	25 Mar 2025 15:07		RC/JU	Ok,M
13	Q1619-06	TP-1	BF142079.D	25 Mar 2025 15:41		RC/JU	Ok
14	Q1619-08	TP-2	BF142080.D	25 Mar 2025 16:11		RC/JU	Ok
15	Q1619-10	TP-3	BF142081.D	25 Mar 2025 16:41		RC/JU	Ok
16	Q1619-14	TP-5	BF142082.D	25 Mar 2025 17:10		RC/JU	Ok
17	Q1609-03	WC-SCRN-01-C	BF142083.D	25 Mar 2025 17:39		RC/JU	Ok
18	Q1626-03	CO-32-1	BF142084.D	25 Mar 2025 18:09		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF032525

Review By	anahy	Review On	3/26/2025 9:09:40 AM		
Supervise By	Jagrut	Supervise On	3/26/2025 4:50:57 PM		
SubDirectory	BF032525	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1627-01	GRID-LINE-1.2-NORTH	BF142085.D	25 Mar 2025 18:38		RC/JU	Ok
20	Q1627-01MS	GRID-LINE-1.2-NORTH	BF142086.D	25 Mar 2025 19:08		RC/JU	Ok,M
21	Q1627-01MSD	GRID-LINE-1.2-NORTH	BF142087.D	25 Mar 2025 19:37		RC/JU	Ok,M
22	Q1630-02	VNJ-206	BF142088.D	25 Mar 2025 20:07		RC/JU	Ok
23	Q1632-02	PIER-1-2	BF142089.D	25 Mar 2025 20:36		RC/JU	Ok,M
24	Q1636-04	WC-1	BF142090.D	25 Mar 2025 21:06		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF032625

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF032625	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142091.D	26 Mar 2025 11:38		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142092.D	26 Mar 2025 12:37		RC/JU	Ok,NR
3	PB167291BL	PB167291BL	BF142093.D	26 Mar 2025 13:07		RC/JU	Ok
4	PB167291BS	PB167291BS	BF142094.D	26 Mar 2025 13:37		RC/JU	Ok,NR
5	PB167310BL	PB167310BL	BF142095.D	26 Mar 2025 14:07		RC/JU	Ok
6	PB167310BS	PB167310BS	BF142096.D	26 Mar 2025 14:36		RC/JU	Ok,NR
7	PB167275TB	PB167275TB	BF142097.D	26 Mar 2025 15:06		RC/JU	Ok
8	Q1631-04	359	BF142098.D	26 Mar 2025 15:43		RC/JU	Ok
9	Q1636-17	WC-5	BF142099.D	26 Mar 2025 16:12		RC/JU	Ok
10	Q1636-08	WC-2	BF142100.D	26 Mar 2025 16:41		RC/JU	Ok
11	Q1636-12	WC-3	BF142101.D	26 Mar 2025 17:11		RC/JU	Ok
12	Q1636-16	WC-4	BF142102.D	26 Mar 2025 17:40		RC/JU	Ok
13	Q1636-20	WC-5	BF142103.D	26 Mar 2025 18:10		RC/JU	Ok
14	Q1625-01	FRAC-TANK-A1291	BF142104.D	26 Mar 2025 18:39		RC/JU	Ok
15	Q1636-05	WC-2	BF142105.D	26 Mar 2025 19:09		RC/JU	Ok
16	Q1636-09	WC-3	BF142106.D	26 Mar 2025 19:38		RC/JU	Ok
17	Q1636-13	WC-4	BF142107.D	26 Mar 2025 20:08		RC/JU	Ok
18	Q1636-17MS	WC-5MS	BF142108.D	26 Mar 2025 20:37		RC/JU	Ok,NR

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF032625

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF032625	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12656,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1636-17MSD	WC-5MSD	BF142109.D	26 Mar 2025 21:07		RC/JU	Ok,NR
20	Q1630-01	VNJ-206	BF142110.D	26 Mar 2025 21:37		RC/JU	Ok,NR
21	Q1631-01	364	BF142111.D	26 Mar 2025 22:06		RC/JU	Ok
22	Q1637-01	EO-01-032525	BF142112.D	26 Mar 2025 22:35		RC/JU	Ok,NR
23	Q1637-03	EO-02-032525	BF142113.D	26 Mar 2025 23:05		RC/JU	Ok,NR

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167275

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/24/2025 **Time :** 17:00

End Prep Date : 03/25/2025 **Time :** 10:40

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 30

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JP

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

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

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction is not required. Tumbler T-1 / T-2 checked, 30 rpm. q1636-20 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/25/25 12:00	JP ICP Room	SIGN.
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167275

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
PB167275TB	LEB275	13	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1626-03	CO-32-1	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1627-01	GRID-LINE-1.2-NORTH	02	100.02	2000	N/A	N/A	N/A	8.2	1.5	T-1
Q1630-02	VNJ-206	03	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1631-02	364	04	100.04	2000	N/A	N/A	N/A	8.2	1.5	T-1
Q1631-05	359	05	100.02	2000	N/A	N/A	N/A	10.0	1.0	T-1
Q1632-02	PIER-1-2	06	100.03	2000	N/A	N/A	N/A	9.5	1.5	T-1
Q1635-04	TP-2	07	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1636-04	WC-1	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1636-08	WC-2	09	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1636-12	WC-3	10	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1636-16	WC-4	11	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1636-20	WC-5	12	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167275TB	LEB275	N/A	N/A	N/A	N/A	N/A	N/A
Q1626-03	CO-32-1	N/A	N/A	N/A	N/A	100	N/A
Q1627-01	GRID-LINE-1.2-NORTH	N/A	N/A	N/A	N/A	100	N/A
Q1630-02	VNJ-206	N/A	N/A	N/A	N/A	100	N/A
Q1631-02	364	N/A	N/A	N/A	N/A	100	N/A
Q1631-05	359	N/A	N/A	N/A	N/A	100	N/A
Q1632-02	PIER-1-2	N/A	N/A	N/A	N/A	100	N/A
Q1635-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1636-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1636-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q1636-16	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1636-20	WC-5	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167275

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
PB167275TB	LEB275	N/A	N/A	N/A	N/A	#1	4.93
Q1626-03	CO-32-1	5.01	96.5	8.2	3.5	#1	4.93
Q1627-01	GRID-LINE-1.2-NORTH	5.01	96.5	11.0	4.5	#1	4.93
Q1630-02	VNJ-206	5.02	96.5	8.0	3.5	#1	4.93
Q1631-02	364	5.01	96.5	9.7	4.0	#1	4.93
Q1631-05	359	5.02	96.5	11.0	4.5	#1	4.93
Q1632-02	PIER-1-2	5.03	96.5	10.5	4.0	#1	4.93
Q1635-04	TP-2	5.04	96.5	8.0	3.5	#1	4.93
Q1636-04	WC-1	5.02	96.5	6.0	2.0	#1	4.93
Q1636-08	WC-2	5.03	96.5	6.6	1.5	#1	4.93
Q1636-12	WC-3	5.04	96.5	6.2	2.0	#1	4.93
Q1636-16	WC-4	5.02	96.5	6.0	2.0	#1	4.93
Q1636-20	WC-5	5.03	96.5	6.0	2.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1626 **WorkList ID :** 188483 **Department :** TCLP Extraction **Date :** 03-24-2025 11:01:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1626-03	CO-32-1	Solid	TCLP Extraction	Cool 4 deg C	WALS01		03/21/2025	1311
Q1627-01	GRID-LINE-1.2-NORTH	Solid	TCLP Extraction	Cool 4 deg C	TULL02	I41	03/20/2025	1311
Q1630-02	VNJ-206	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	H31	03/24/2025	1311
Q1631-02	364	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1631-05	359	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1632-02	PIER-1-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1635-04	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1636-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1636-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1636-12	WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1636-16	WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311
Q1636-20	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I41	03/24/2025	1311

Date/Time 03/24/25 16:25

Raw Sample Received by: [signature] 3.8 (cool)

Raw Sample Relinquished by: [signature]

Date/Time 03/24/25 19:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature] 3.8 (cool)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167310

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

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/25/2025

Extraction Start Time : 12:25

Extraction End Date : 03/25/2025

Extraction End Time : 17:15

Concentration By: EH

Supervisor By : rajesh

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3904
Baked Na2SO4	N/A	EP2595
10N NaoH	N/A	EP2865
H2SO4	N/A	EP2565
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/25/25	RP (Ext. Lab)	AC/SVOC
19:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167310

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

Concentration Date: 03/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167275TB	PB167275TB	TCLP BNA	100	6	ritesh	rajesh	1			SEP-01
PB167310BL	PB167310BL	TCLP BNA	1000	6	ritesh	rajesh	1			2
PB167310BS	PB167310BS	TCLP BNA	1000	6	ritesh	rajesh	1			3
Q1626-03	CO-32-1	TCLP BNA	100	6	ritesh	rajesh	1	A		4
Q1627-01	GRID-LINE-1.2-NORTH	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1627-01MS	GRID-LINE-1.2-NORTHMS	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1627-01MSD	GRID-LINE-1.2-NORTHMSD	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1630-02	VNJ-206	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1632-02	PIER-1-2	TCLP BNA	100	6	ritesh	rajesh	1	A		9
Q1635-04	TP-2	TCLP BNA	100	6	ritesh	rajesh	1	A		10
Q1636-04	WC-1	TCLP BNA	100	6	ritesh	rajesh	1	A		11
Q1636-08	WC-2	TCLP BNA	100	6	ritesh	rajesh	1	A		12
Q1636-12	WC-3	TCLP BNA	100	6	ritesh	rajesh	1	A		13
Q1636-16	WC-4	TCLP BNA	100	6	ritesh	rajesh	1	A		14
Q1636-20	WC-5	TCLP BNA	100	6	ritesh	rajesh	1	A		15

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

3/25/25

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167275

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
PB167275TB	LEB275	13	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-1
Q1626-03	CO-32-1	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1627-01	GRID-LINE-1.2-NORTH	02	100.02	2000	N/A	N/A	N/A	8.2	1.5	T-1
Q1630-02	VNJ-206	03	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1631-02	364	04	100.04	2000	N/A	N/A	N/A	8.2	1.5	T-1
Q1631-05	359	05	100.02	2000	N/A	N/A	N/A	10.0	1.0	T-1
Q1632-02	PIER-1-2	06	100.03	2000	N/A	N/A	N/A	9.5	1.5	T-1
Q1635-04	TP-2	07	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1636-04	WC-1	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1636-08	WC-2	09	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1636-12	WC-3	10	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1636-16	WC-4	11	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1636-20	WC-5	12	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2

03/25/25

12:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167233

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
PB167233TB	LEB233	16	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1605-02	DRUM-SOIL-CUTTING	01	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1606-02	CHRT24743	02	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1606-04	RBR251346	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1606-06	RT4534	04	100.01	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q1606-08	RT3025	05	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1606-10	CHRT28607	06	100.03	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q1609-03	WC-SCRN-01-C	07	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1610-03	SOIL-PILE	08	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1619-02	CONCRETE-1	09	100.02	2000	N/A	N/A	N/A	9.1	1.0	T-1
Q1619-04	CONCRETE-2	10	100.03	2000	N/A	N/A	N/A	7.6	1.5	T-1
Q1619-06	TP-1	11	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1619-08	TP-2	12	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1619-10	TP-3	13	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-2
Q1619-12	TP-4	14	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-2
Q1619-14	TP-5	15	100.04	2000	N/A	N/A	N/A	7.2	1.0	T-2

03/21/25

11:40

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. Q1626
COC Number 2045966

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction Comp.
ADDRESS: 150 Clove rd 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Benie Dion Gokan
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shafts 17B & 18B
PROJECT NO.: 220084 LOCATION: Queens NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): NA DAYS*
EDD: 3 day DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1. TCL VOCs 8260C / TCL SVOCs 8270D
2. TAL metals 6010D + Mercury 7471B
3. Total Cyanide 9016C / Hex Chrome 7196A
4. Pest/Herb 8081/8151A / PCBs 8082A
5. TCLP VOCs SVOCs Metals, Pest + Herb
6. TPH 8015M / GRO 8015D
7. NJ EPH Cat 2, Non Fla / RCRA Characteristics
8. Paint Filter 9095A / TS + TVS SM2540
9. Ammonia Nitrogen 350.1 / COD 410.4 Oil + Grease 9071B

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	CO_32-1	S	✓	✓	3/21/25	1120	20	X	X	X	X	X	X	X	X	X	15-8oz, 1 Terracore, 1 Encore
2.																	
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. [signature]	3/21/25 1200	1. [signature] 1200 3-21-25
2.		2.
3. [signature]	3-21-25 1715	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7 °C
Comments: RCRA Characteristics - Ignitability, Corrosivity, Reactivity - Sulfide + Cyanide
Full analyte list in S.NG e-mail dated 3/18/25
#3-day TAT requested

Page 1 of 1
CLIENT: ☐ Hand Delivered ☐ Other
Shipment Complete ☐ YES ☐ NO

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

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1626 WALS01
Client Name : Walsh Construction Compa
Client Contact : Evelyne Benie Dion Gokan
Invoice Name : Walsh Construction Compa
Invoice Contact : Evelyne Benie Dion Gokan

Order Date : 3/21/2025 12:59:00 PM
Project Name : Walsh CO-032 Sampling
Receive DateTime : 3/21/2025 12~~:00:00 AM~~ 5:15 pm
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1626-01	CO-32-1	Solid	03/21/2025	11:20					
					VOC-TCLVOA-10		8260D		3 Bus. Days

Relinguished By : CL
Date / Time : 3-24-25 10:10

Received By : [signature]
Date / Time : 03/24/25 10:10
Storage Area : VOA Refridgerator Room

Aeg # 6
222

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1626 WALS01
Client Name : Walsh Construction Compa
Client Contact : Evelyne Benie Dion Gokan
Invoice Name : Walsh Construction Compa
Invoice Contact : Evelyne Benie Dion Gokan

Order Date : 3/21/2025 12:59:00 PM
Project Name : Walsh CO-032 Sampling
Receive DateTime : 3/21/2025 ~~12:00:00 AM~~ 5:15 pm
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1626-01	CO-32-1	Solid	03/21/2025	11:20					
					Gasoline Range Organics		8015D		3 Bus. Days

Relinguished By :
Date / Time : 3-24-25 1010

Received By :
Date / Time : 03/24/25 10:10
Storage Area : VOA Refridgerator Room

Reg # 6
B2