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Cover Page

Order ID : P4722

Project ID : NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2

Client : Walsh Construction Company II, LLC

Lab Sample Number	Client Sample Number
P4722-01	WC-1(5.5)
P4722-02	WC-1(3.5)
P4722-03	WC-1(0-6)
P4722-04	WC-1(0-6)
P4722-05	WC-1(0-6)
P4722-06	WC-2(2)
P4722-07	WC-2(4)
P4722-08	WC-2(0-6)
P4722-09	WC-2(0-6)
P4722-10	WC-2(0-6)
P4722-11	WC-3(5)
P4722-12	WC-3(3)
P4722-13	WC-3(0-6)
P4722-14	WC-3(0-6)
P4722-15	WC-3(0-6)
P4722-16	WC-1(5.5)
P4722-17	WC-1(3.5)
P4722-18	WC-2(2)
P4722-19	WC-2(4)
P4722-20	WC-3(5)
P4722-21	WC-3(3)

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: 11/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4722**

	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: **PATEL VAISHALI** **Date:** **11/18/2024**

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LAB CHRONICLE

OrderID:	P4722	**OrderDate:**	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	**Project:**	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	**Location:**	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

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.: P4722

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
P4722-04	WC-1(0-6)	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	107	71		10	134
		Nitrobenzene-d5	100	96.3	96		49	133
		2-Fluorobiphenyl	100	94.4	94		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-09	WC-2(0-6)	2-Fluorophenol	150	155	103		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	106	106		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	162	108		44	137
		Terphenyl-d14	100	121	121		48	125
P4722-14	WC-3(0-6)	2-Fluorophenol	150	140	94		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	98.7	99		49	133
		2-Fluorobiphenyl	100	97.4	97		52	132
		2,4,6-Tribromophenol	150	159	106		44	137
		Terphenyl-d14	100	114	114		48	125
P4739-04MS	TP-14MS	2-Fluorophenol	150	175	117		10	139
		Phenol-d6	150	155	103		10	134
		Nitrobenzene-d5	100	112	112		49	133
		2-Fluorobiphenyl	100	110	110		52	132
		2,4,6-Tribromophenol	150	166	110		44	137
		Terphenyl-d14	100	115	115		48	125
P4739-04MSD	TP-14MSD	2-Fluorophenol	150	175	117		10	139
		Phenol-d6	150	156	104		10	134
		Nitrobenzene-d5	100	114	114		49	133
		2-Fluorobiphenyl	100	109	109		52	132
		2,4,6-Tribromophenol	150	168	112		44	137
		Terphenyl-d14	100	115	115		48	125
PB164694TB	PB164694TB	2-Fluorophenol	150	177	118		10	139
		Phenol-d6	150	166	111		10	134
		Nitrobenzene-d5	100	110	110		49	133
		2-Fluorobiphenyl	100	110	110		52	132
		2,4,6-Tribromophenol	150	157	104		44	137
		Terphenyl-d14	100	112	112		48	125
PB164765BL	PB164765BL	2-Fluorophenol	150	148	99		10	139
		Phenol-d6	150	146	97		10	134
		Nitrobenzene-d5	100	101	101		49	133
		2-Fluorobiphenyl	100	94.3	94		52	132
		2,4,6-Tribromophenol	150	184	122		44	137
		Terphenyl-d14	100	96.4	96		48	125
PB164765BS	PB164765BS	2-Fluorophenol	150	175	116		10	139
		Phenol-d6	150	164	109		10	134
		Nitrobenzene-d5	100	103	103		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	149	99		44	137
		Terphenyl-d14	100	104	104		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

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: P4739-04MS		**Client Sample ID: TP-14MS**						**DataFile: BE101557.D**			
Pyridine	500	0	340	ug/L	68				10	109	
1,4-Dichlorobenzene	500	0	520	ug/L	104				55	125	
2-Methylphenol	500	0	560	ug/L	112				37	126	
3+4-Methylphenols	500	0	540	ug/L	108				31	127	
Hexachloroethane	500	0	520	ug/L	104				49	110	
Nitrobenzene	500	0	540	ug/L	108				62	112	
Hexachlorobutadiene	500	0	510	ug/L	102				52	125	
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*			78	112	
2,4,5-Trichlorophenol	500	0	580	ug/L	116	*			71	111	
2,4-Dinitrotoluene	500	0	550	ug/L	110				50	142	
Hexachlorobenzene	500	0	550	ug/L	110				72	115	
Pentachlorophenol	1000	0	1300	ug/L	130				25	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

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: P4739-04MSD		**Client Sample ID:** TP-14MSD						**DataFile:** BE101558.D			
Pyridine	500	0	330	ug/L	66		3		10	109	20
1,4-Dichlorobenzene	500	0	510	ug/L	102		2		55	125	20
2-Methylphenol	500	0	550	ug/L	110		2		37	126	20
3+4-Methylphenols	500	0	550	ug/L	110		2		31	127	20
Hexachloroethane	500	0	510	ug/L	102		2		49	110	20
Nitrobenzene	500	0	550	ug/L	110		2		62	112	20
Hexachlorobutadiene	500	0	510	ug/L	102		0		52	125	20
2,4,6-Trichlorophenol	500	0	590	ug/L	118	*	0		78	112	20
2,4,5-Trichlorophenol	500	0	580	ug/L	116	*	0		71	111	20
2,4-Dinitrotoluene	500	0	560	ug/L	112		2		50	142	20
Hexachlorobenzene	500	0	540	ug/L	108		2		72	115	20
Pentachlorophenol	1000	0	1200	ug/L	120		8		25	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BE101546.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164765BS	Pyridine	50	38.5	ug/L	77				29	97	
	1,4-Dichlorobenzene	50	48.0	ug/L	96				76	103	
	2-Methylphenol	50	53.8	ug/L	108				69	109	
	3+4-Methylphenols	50	52.7	ug/L	105				67	106	
	Hexachloroethane	50	47.3	ug/L	95				76	118	
	Nitrobenzene	50	49.6	ug/L	99				58	106	
	Hexachlorobutadiene	50	44.9	ug/L	90				69	101	
	2,4,6-Trichlorophenol	50	52.2	ug/L	104				61	110	
	2,4,5-Trichlorophenol	50	51.0	ug/L	102				70	106	
	2,4-Dinitrotoluene	50	50.2	ug/L	100				60	115	
	Hexachlorobenzene	50	48.3	ug/L	97				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164765BL

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140287.D Lab Sample ID: PB164765BL

Instrument ID: BNA_F Date Extracted: 11/07/2024

Matrix: (soil/water) water Date Analyzed: 11/08/2024

Level: (low/med) LOW Time Analyzed: 10:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-1(0-6)	P4722-04	BE101562.D	11/08/2024
WC-2(0-6)	P4722-09	BE101561.D	11/08/2024
PB164694TB	PB164694TB	BE101547.D	11/08/2024
TP-14MS	P4739-04MS	BE101557.D	11/08/2024
TP-14MSD	P4739-04MSD	BE101558.D	11/08/2024
WC-3(0-6)	P4722-14	BE101560.D	11/08/2024
PB164765BS	PB164765BS	BE101546.D	11/08/2024

COMMENTS:

Raw Data: **BE101491.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101491.D DFTPP Injection Date: 11/06/2024

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

Raw Data: **BE101543.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101543.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	16.2
68	Less than 2.0% of mass 69	0.2 (1) 1
69	Mass 69 relative abundance	17.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	24.7
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	3.8
275	10.0 - 60.0% of mass 198	19.1
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.4
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	BE101544.D	11/08/2024	10:07
PB164765BS	PB164765BS	BE101546.D	11/08/2024	11:27
PB164694TB	PB164694TB	BE101547.D	11/08/2024	12:03
TP-14MS	P4739-04MS	BE101557.D	11/08/2024	18:07
TP-14MSD	P4739-04MSD	BE101558.D	11/08/2024	18:43
WC-3(0-6)	P4722-14	BE101560.D	11/08/2024	19:54
WC-2(0-6)	P4722-09	BE101561.D	11/08/2024	20:30
WC-1(0-6)	P4722-04	BE101562.D	11/08/2024	21:06

Raw Data: **BF140230.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140230.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_F DFTPP Injection Time: 11:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.5
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.8
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140231.D	11/05/2024	12:26
SSTDICC005	SSTDICC005	BF140232.D	11/05/2024	12:52
SSTDICC010	SSTDICC010	BF140233.D	11/05/2024	13:18
SSTDICC020	SSTDICC020	BF140234.D	11/05/2024	13:45
SSTDICCC040	SSTDICCC040	BF140235.D	11/05/2024	14:11
SSTDICC050	SSTDICC050	BF140236.D	11/05/2024	14:37
SSTDICC060	SSTDICC060	BF140237.D	11/05/2024	15:03
SSTDICC080	SSTDICC080	BF140238.D	11/05/2024	15:30

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM SAS No.: P4722 SDG NO.: P4722

Lab File ID: BF140285.D DFTPP Injection Date: 11/08/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.4
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
275	10.0 - 60.0% of mass 198	25.2
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140286.D	11/08/2024	09:35
PB164765BL	PB164765BL	BF140287.D	11/08/2024	10:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	51174	7.558	237509	10.33	179651	14.17
	UPPER LIMIT	102348	8.058	475018	10.826	359302	14.674
	LOWER LIMIT	25587	7.058	118755	9.826	89825.5	13.674
	EPA SAMPLE NO.						
01	PB164765BS	39669	7.56	182397	10.33	121151	14.17
02	PB164694TB	34932	7.56	149600	10.33	99908	14.17
03	WC-1(0-6)	43597	7.56	181077	10.33	121098	14.16
04	WC-2(0-6)	40529	7.56	171441	10.33	113413	14.17
05	WC-3(0-6)	43377	7.56	177204	10.33	120124	14.17
06	TP-14MS	47543	7.56	202399	10.33	130758	14.17
07	TP-14MSD	43513	7.56	182419	10.33	120731	14.17

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.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BE101544.D Time Analyzed: 10:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	420948	16.912	472751	21.072	602462	23.357
	UPPER LIMIT	841896	17.412	945502	21.572	1204920	23.857
	LOWER LIMIT	210474	16.412	236376	20.572	301231	22.857
	EPA SAMPLE NO.						
01	PB164765BS	268998	16.91	348750	21.07	477959	23.35
02	PB164694TB	241198	16.91	324971	21.07	414995	23.35
03	WC-1(0-6)	293866	16.90	362629	21.07	463143	23.35
04	WC-2(0-6)	271101	16.91	324956	21.07	419473	23.35
05	WC-3(0-6)	290802	16.91	361520	21.07	469692	23.35
06	TP-14MS	298419	16.91	369646	21.07	476783	23.35
07	TP-14MSD	285084	16.91	361953	21.07	460616	23.35

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	203786	6.881	760595	8.16	473134	9.92
	UPPER LIMIT	407572	7.381	1521190	8.663	946268	10.422
	LOWER LIMIT	101893	6.381	380298	7.663	236567	9.422
	EPA SAMPLE NO.						
01	PB164765BL	180593	6.88	699300	8.16	441390	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/08/2024

Lab File ID: BF140286.D Time Analyzed: 09:35

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	883136	11.41	554697	14.063	449723	15.551
	UPPER LIMIT	1766270	11.91	1109390	14.563	899446	16.051
	LOWER LIMIT	441568	10.91	277349	13.563	224862	15.051
	EPA SAMPLE NO.						
01	PB164765BL	869591	11.40	647570	14.05	498484	15.55

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

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

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

SAMPLE DATA

Raw Data: **BE101562.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101562.D	1	11/07/24 11:30	11/08/24 21:06	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	107		10 - 134	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.3		49 - 133	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43600	7.559			
1146-65-2	Naphthalene-d8	181000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.163			
1517-22-2	Phenanthrene-d10	294000	16.901			
1719-03-5	Chrysene-d12	363000	21.067			
1520-96-3	Perylene-d12	463000	23.346			

Raw Data: **BE101562.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:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101562.D	1	11/07/24 11:30	11/08/24 21:06	PB164765

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_E\Data\BE110824\
Data File : BE101562.D
Acq On : 8 Nov 2024 21:06
Operator : RC/JU
Sample : P4722-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Quant Time: Nov 08 23:50:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	43597	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	181077	20.000	ng	0.00
39) Acenaphthene-d10	14.163	164	121098	20.000	ng	-0.01
64) Phenanthrene-d10	16.901	188	293866	20.000	ng	-0.01
76) Chrysene-d12	21.067	240	362629	20.000	ng	-0.01
86) Perylene-d12	23.346	264	463143	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.309	112	325298	131.932	ng	0.00
7) Phenol-d6	6.936	99	362532	107.239	ng	-0.01
23) Nitrobenzene-d5	8.763	82	276209	96.350	ng	-0.01
42) 2,4,6-Tribromophenol	15.673	330	352080	154.509	ng	-0.01
45) 2-Fluorobiphenyl	12.788	172	700448	94.444	ng	-0.01
79) Terphenyl-d14	19.498	244	1816656	110.892	ng	0.00
Target Compounds						Qvalue

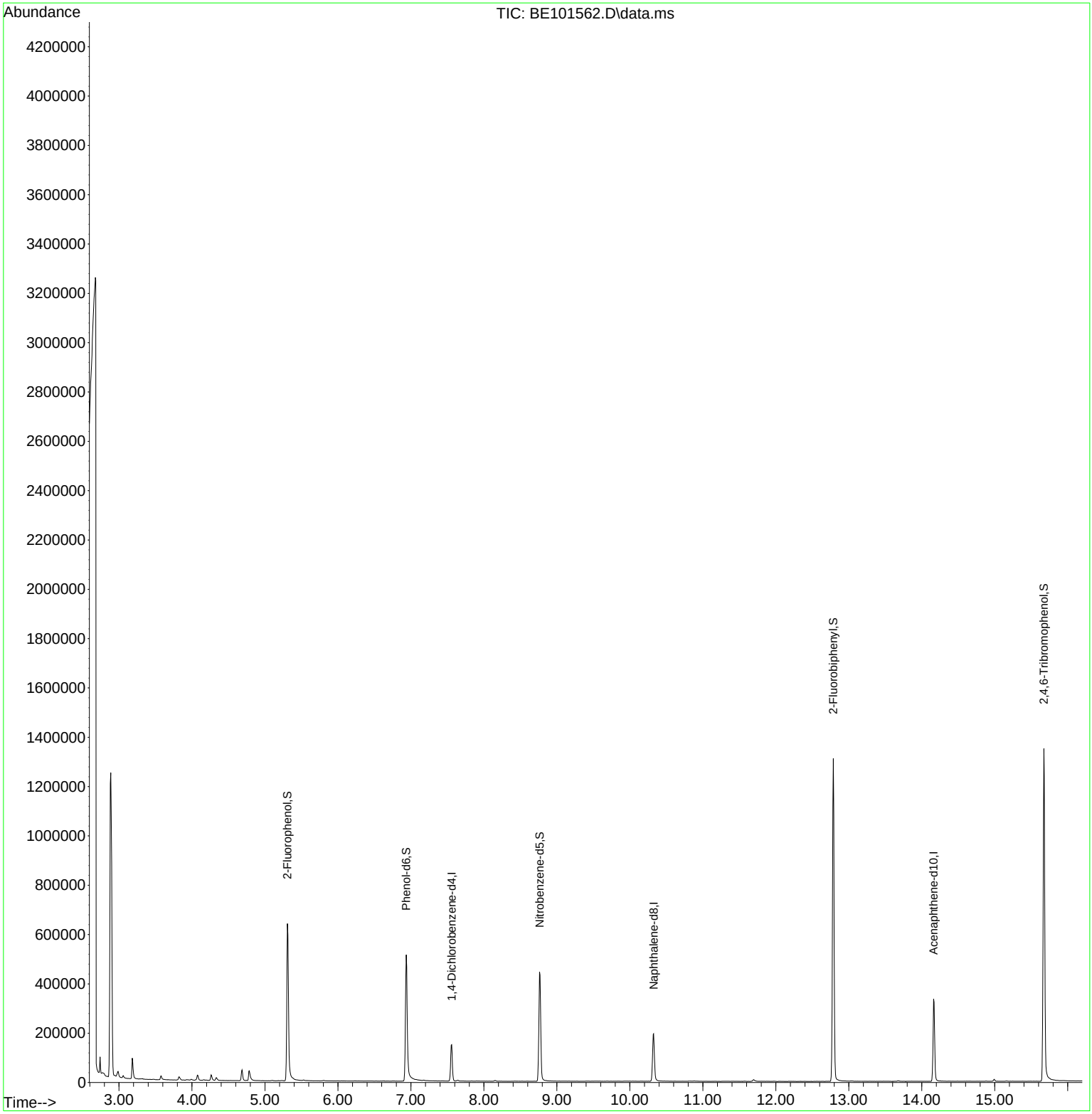
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BE101562.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101562.D
Acq On : 8 Nov 2024 21:06
Operator : RC/JU
Sample : P4722-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

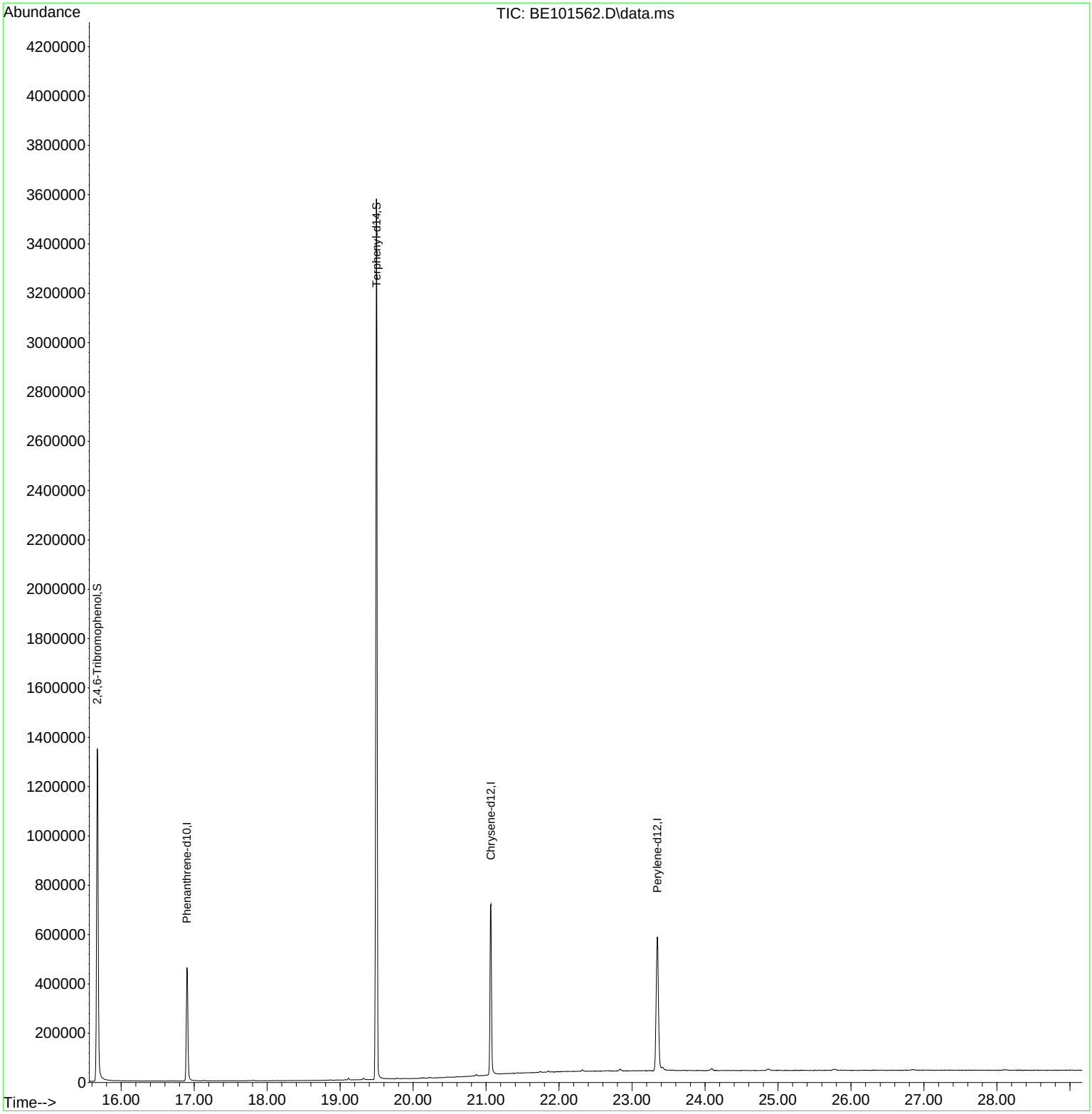
Quant Time: Nov 08 23:50:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

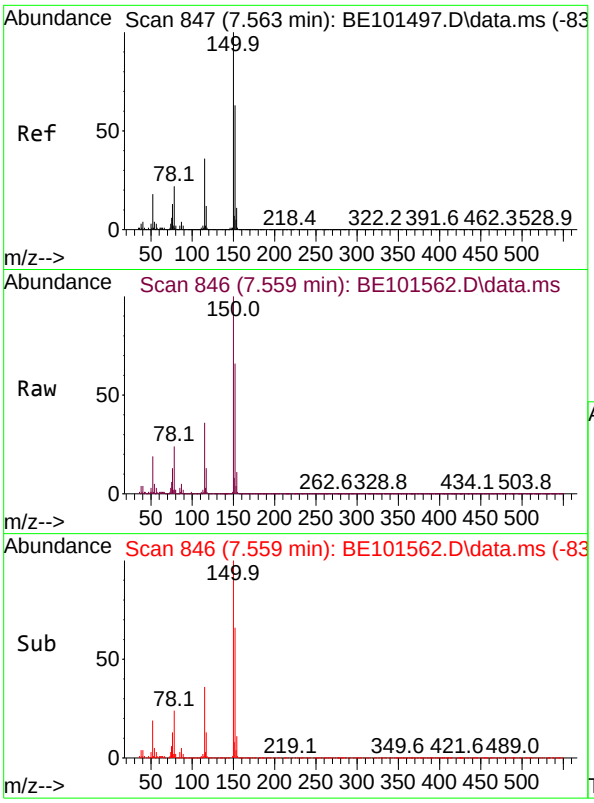


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101562.D
Acq On : 8 Nov 2024 21:06
Operator : RC/JU
Sample : P4722-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Quant Time: Nov 08 23:50:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



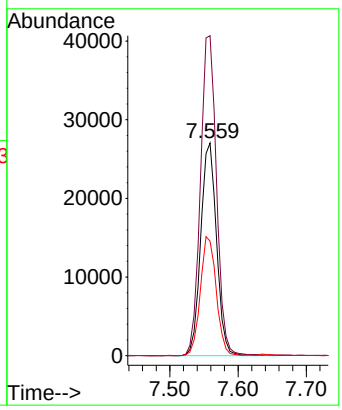


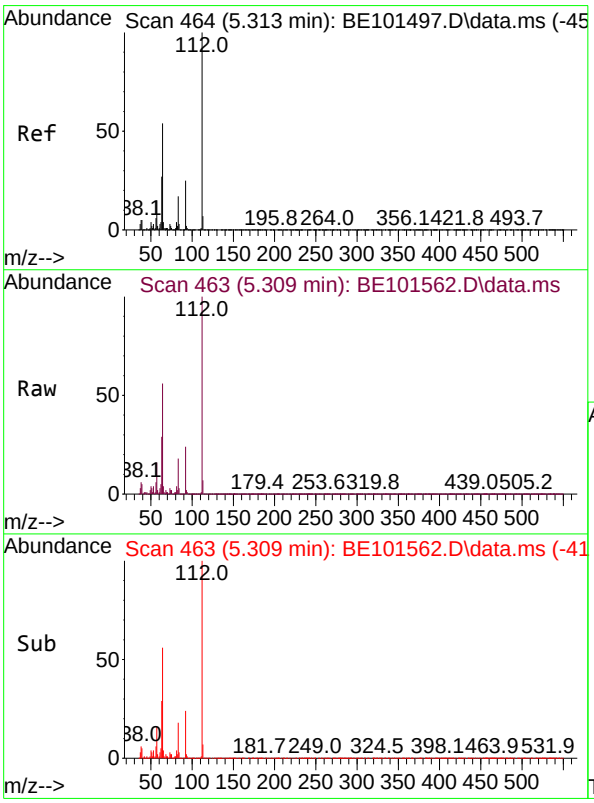
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.559 min Scan# 84
Delta R.T. -0.004 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion:152 Resp: 43597

Ion	Ratio	Lower	Upper
152	100		
150	150.5	126.3	189.5
115	53.9	45.0	67.4

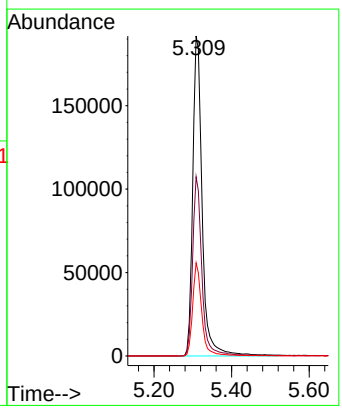


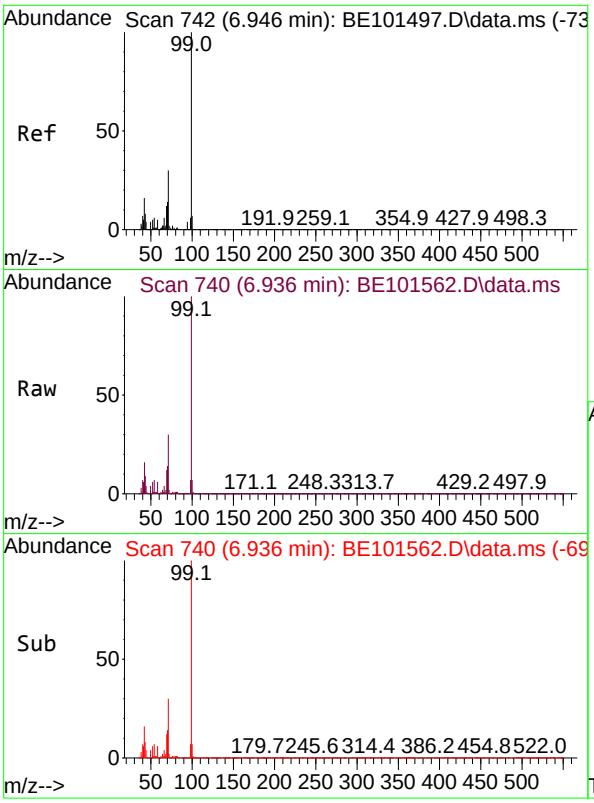


#5
2-Fluorophenol
Concen: 131.932 ng
RT: 5.309 min Scan# 463
Delta R.T. -0.004 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:112 Resp: 325298

Ion	Ratio	Lower	Upper
112	100		
64	56.0	43.2	64.8
63	29.1	21.8	32.6



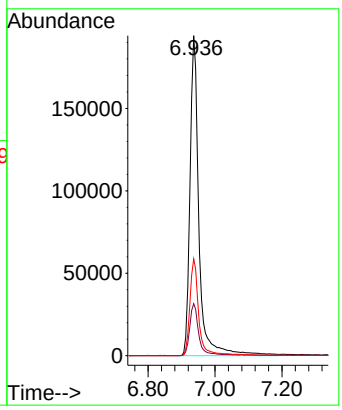


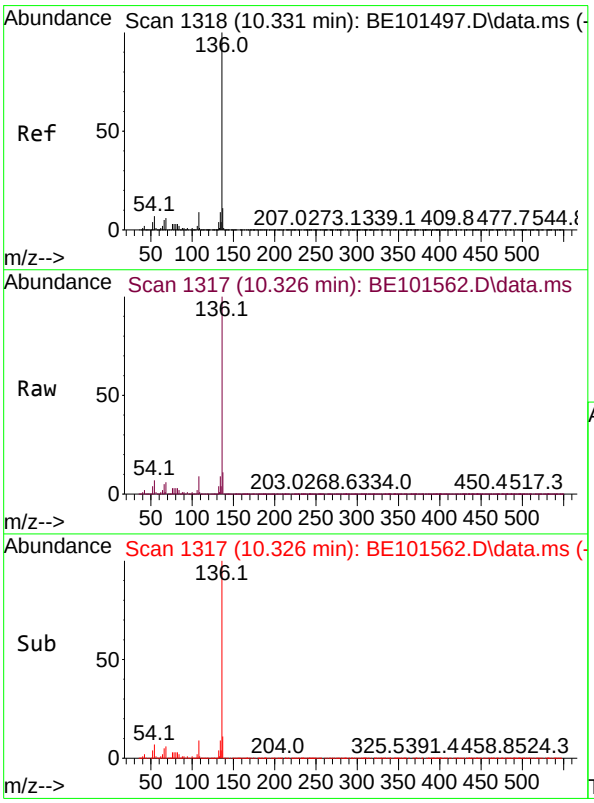
#7
Phenol-d6
Concen: 107.239 ng
RT: 6.936 min Scan# 7
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion: 99 Resp: 362532

Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.5	18.7
71	30.2	24.2	36.2

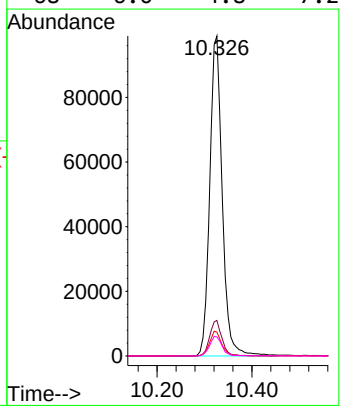


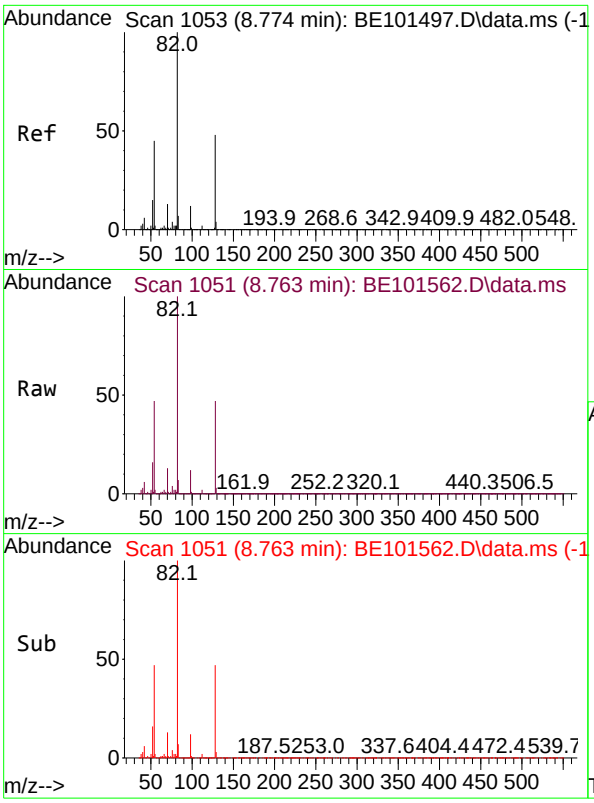


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.326 min Scan# 1317
Delta R.T. -0.004 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:136 Resp: 181077

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.5	5.6	8.4
68	6.0	4.8	7.2



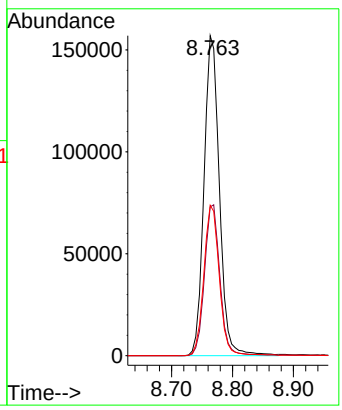


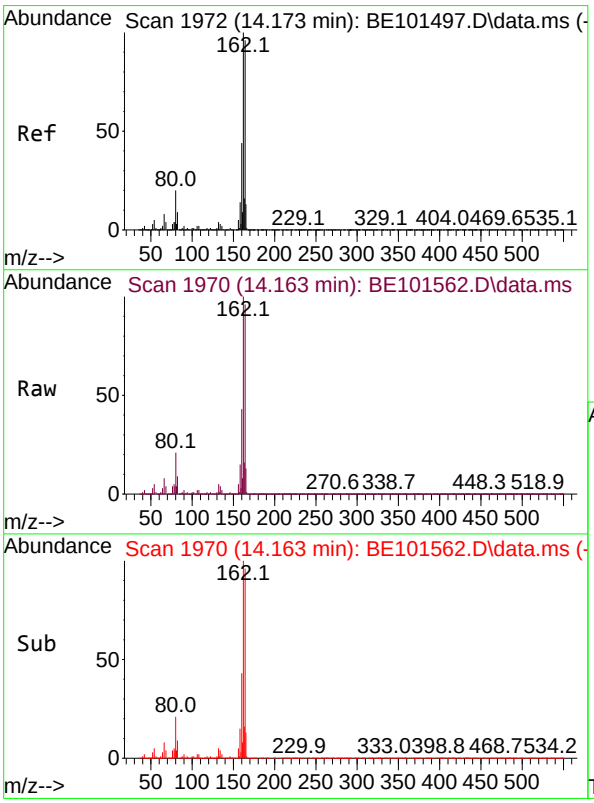
#23
Nitrobenzene-d5
Concen: 96.350 ng
RT: 8.763 min Scan# 1
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion: 82 Resp: 276209

Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.6	58.0
54	47.0	36.3	54.5

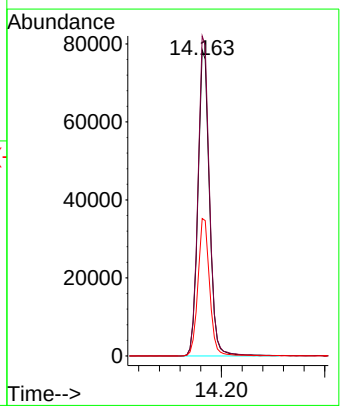


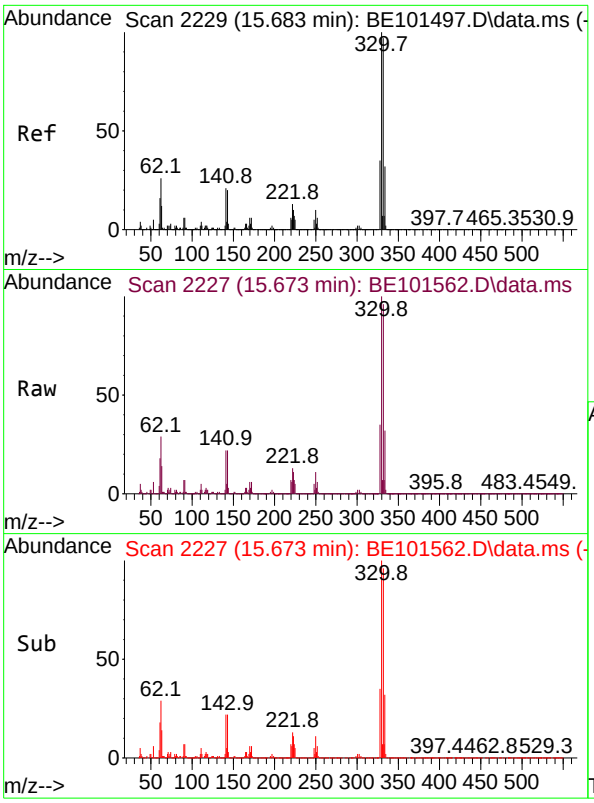


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.163 min Scan# 1970
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:164 Resp: 121098

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.7	125.5
160	44.9	37.1	55.7



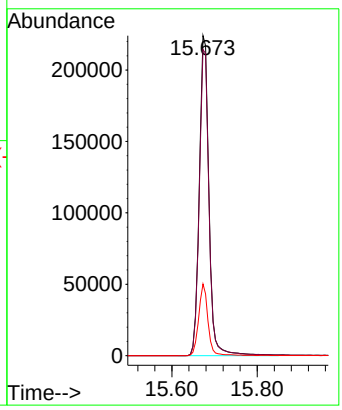


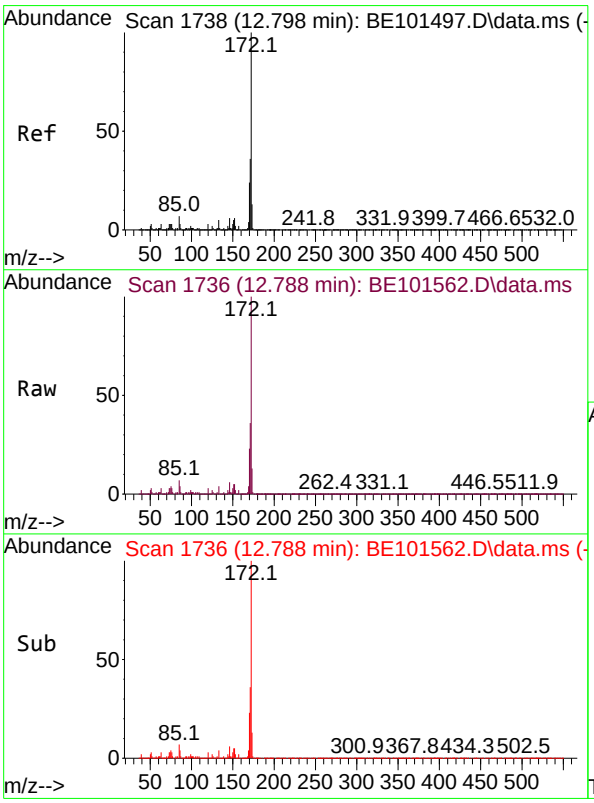
#42
2,4,6-Tribromophenol
Concen: 154.509 ng
RT: 15.673 min Scan# 2
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion:330 Resp: 352080

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	21.5	17.0	25.4

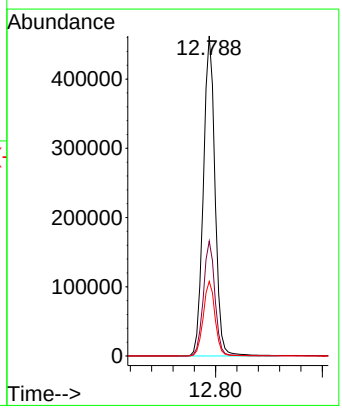


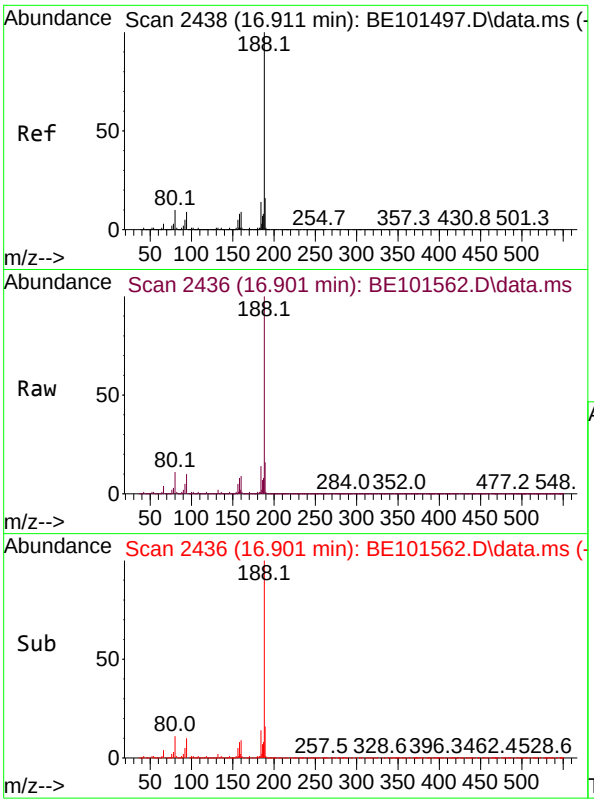


#45
2-Fluorobiphenyl
Concen: 94.444 ng
RT: 12.788 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:172 Resp: 700448

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.3	18.9	28.3



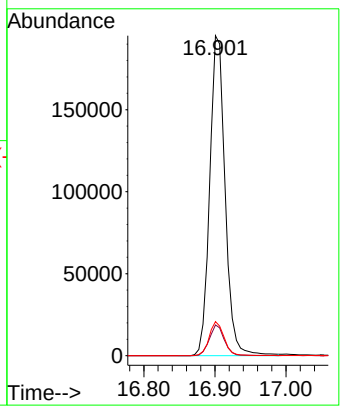


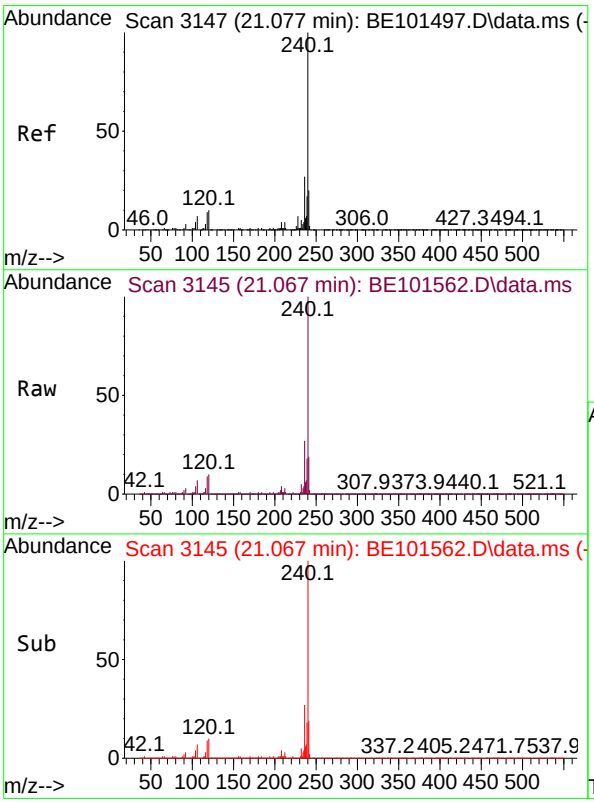
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 24
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion:188 Resp: 293866

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.7	8.0	12.0

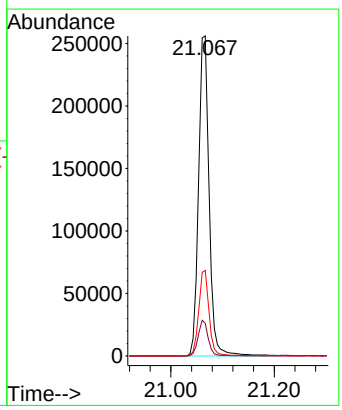


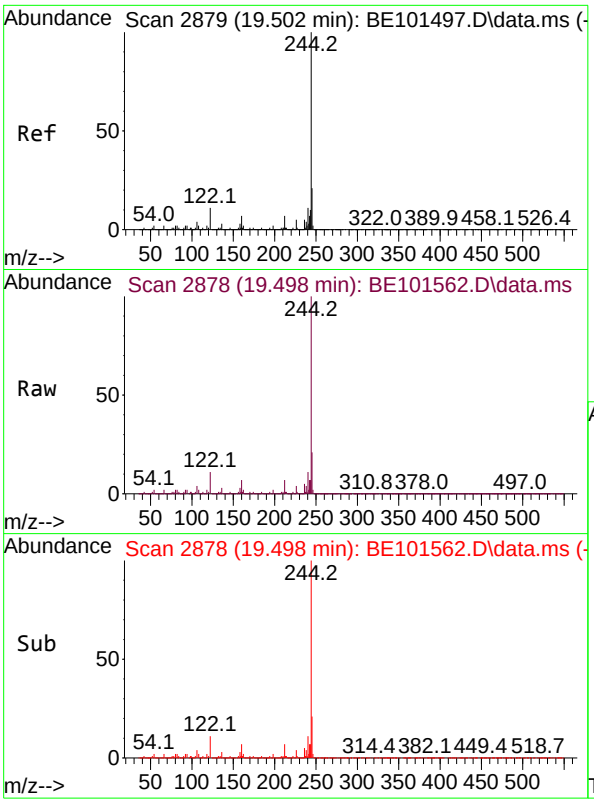


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.067 min Scan# 3145
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:240 Resp: 362629

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.4
236	26.7	21.4	32.2



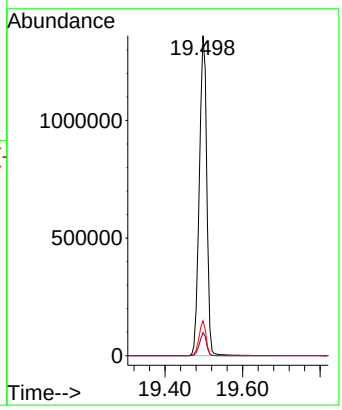


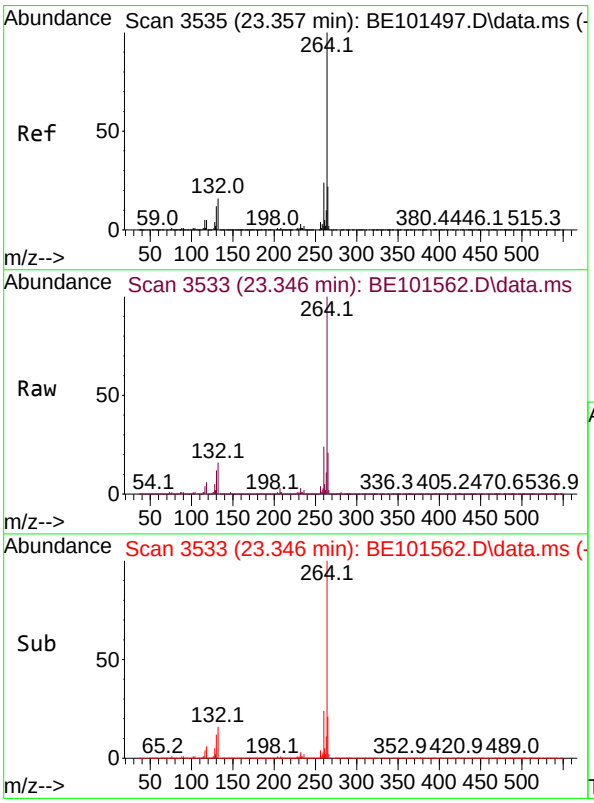
#79
Terphenyl-d14
Concen: 110.892 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.004 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Instrument :
BNA_E
ClientSampleId :
WC-1(0-6)

Tgt Ion:244 Resp: 1816656

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.9	8.4	12.6

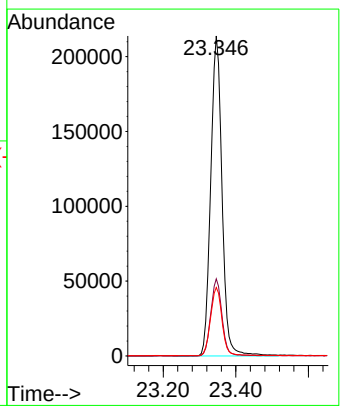




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.346 min Scan# 3533
Delta R.T. -0.010 min
Lab File: BE101562.D
Acq: 8 Nov 2024 21:06

Tgt Ion:264 Resp: 463143

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.4	17.4	26.2



Raw Data: **BE101561.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:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101561.D	1	11/07/24 11:30	11/08/24 20:30	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	155		10 - 139	103%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		49 - 133	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		44 - 137	108%	SPK: 150
1718-51-0	Terphenyl-d14	121		48 - 125	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40500	7.559			
1146-65-2	Naphthalene-d8	171000	10.326			
15067-26-2	Acenaphthene-d10	113000	14.168			
1517-22-2	Phenanthrene-d10	271000	16.906			
1719-03-5	Chrysene-d12	325000	21.066			
1520-96-3	Perylene-d12	419000	23.352			

Raw Data: **BE101561.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:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-09	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101561.D	1	11/07/24 11:30	11/08/24 20:30	PB164765

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_E\Data\BE110824\
Data File : BE101561.D
Acq On : 8 Nov 2024 20:30
Operator : RC/JU
Sample : P4722-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Quant Time: Nov 08 23:49:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	40529	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	171441	20.000	ng	0.00
39) Acenaphthene-d10	14.168	164	113413	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	271101	20.000	ng	0.00
76) Chrysene-d12	21.066	240	324956	20.000	ng	-0.01
86) Perylene-d12	23.352	264	419473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	354883	154.826	ng	0.00
7) Phenol-d6	6.936	99	406848	129.458	ng	-0.01
23) Nitrobenzene-d5	8.769	82	288442	106.272	ng	0.00
42) 2,4,6-Tribromophenol	15.673	330	345662	161.972	ng	-0.01
45) 2-Fluorobiphenyl	12.788	172	718808	103.486	ng	-0.01
79) Terphenyl-d14	19.497	244	1777829	121.104	ng	0.00
Target Compounds						Qvalue

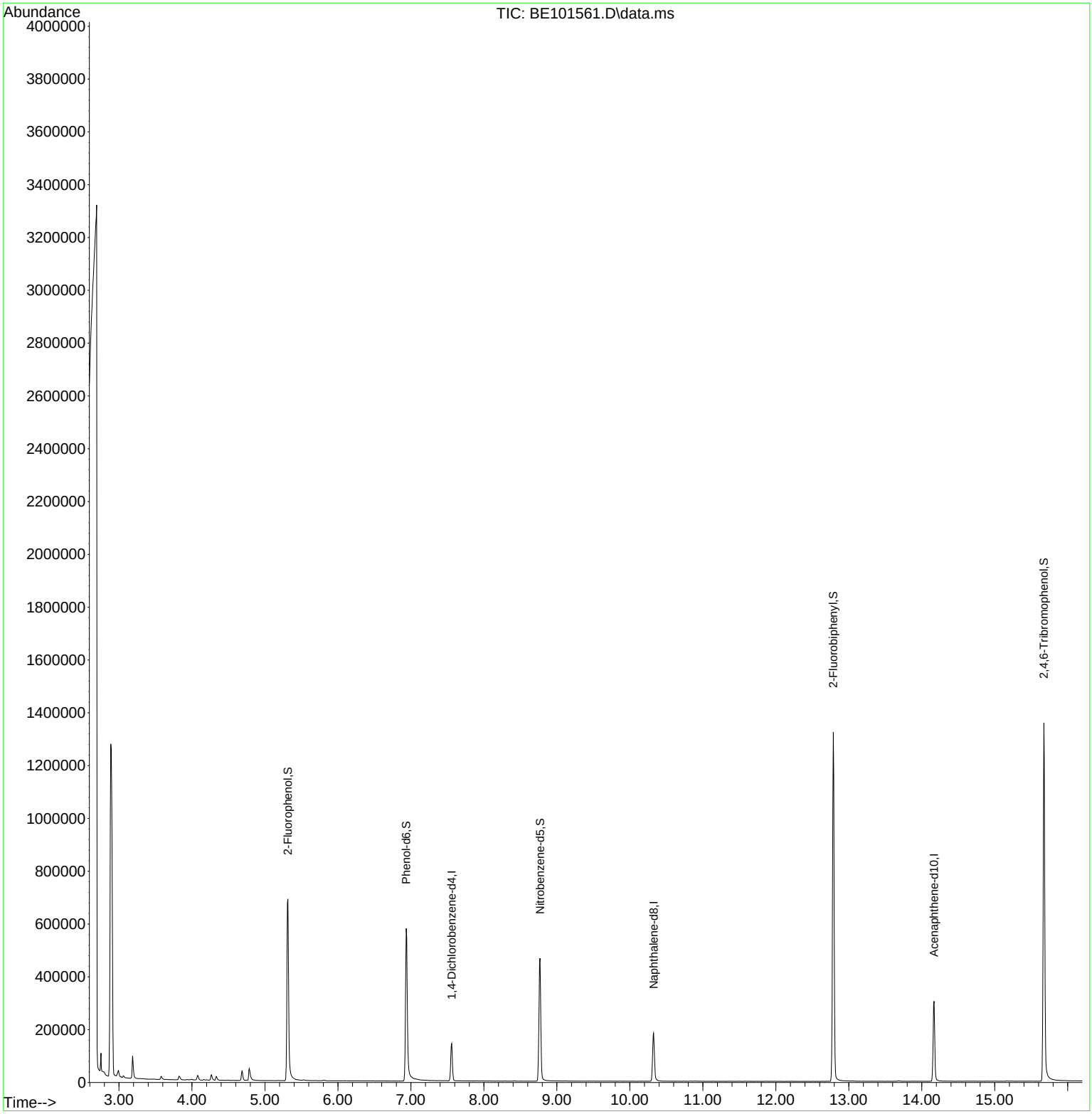
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BE101561.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101561.D
Acq On : 8 Nov 2024 20:30
Operator : RC/JU
Sample : P4722-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

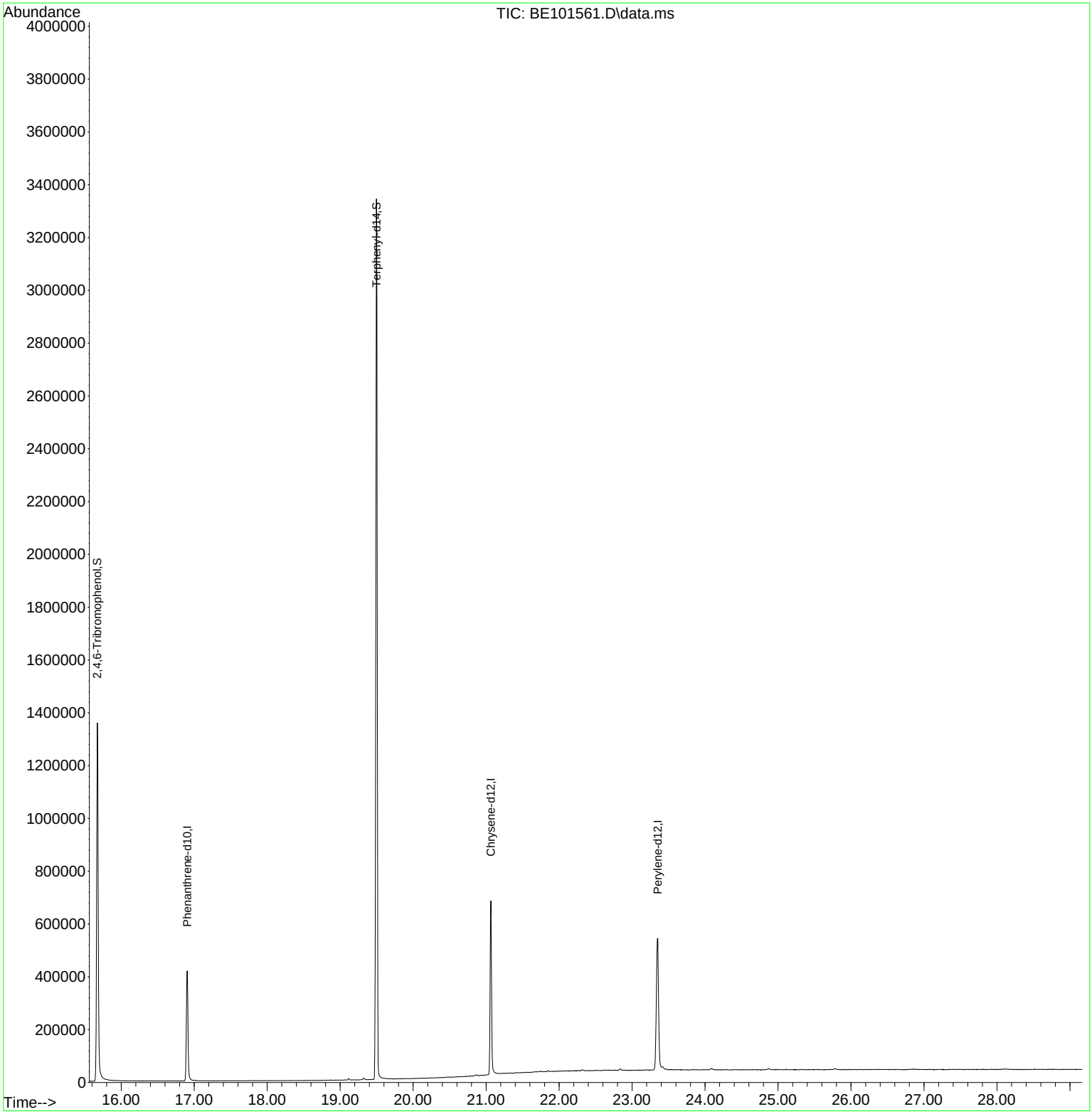
Quant Time: Nov 08 23:49:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

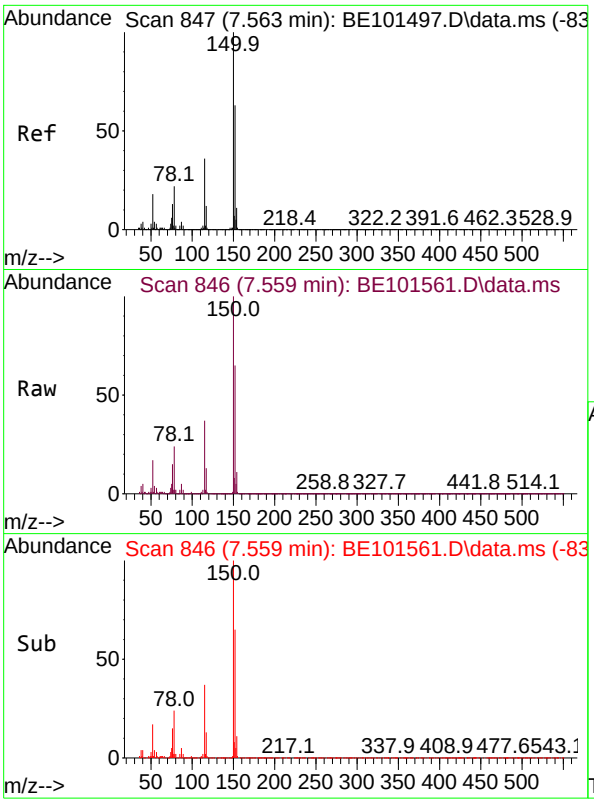


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101561.D
Acq On : 8 Nov 2024 20:30
Operator : RC/JU
Sample : P4722-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Quant Time: Nov 08 23:49:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



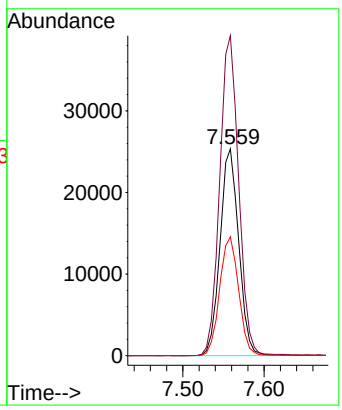


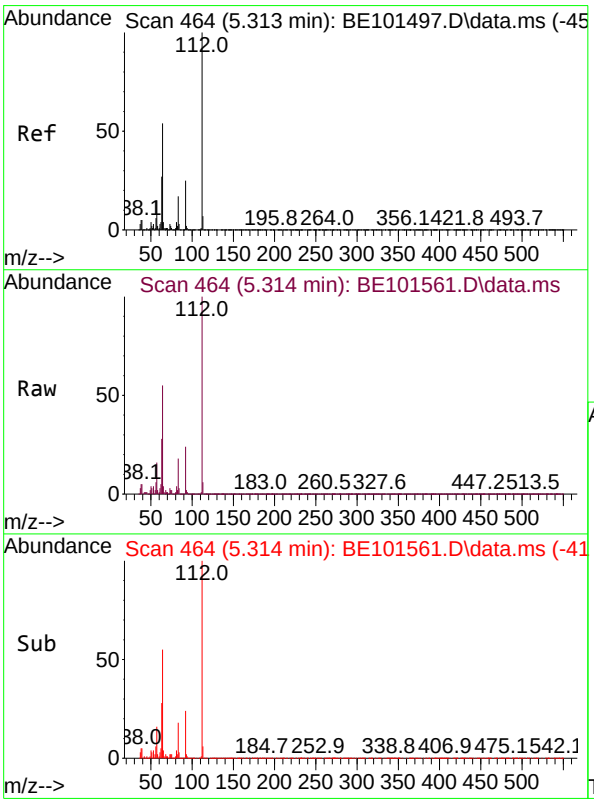
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.559 min Scan# 84
Delta R.T. -0.004 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion:152 Resp: 40529

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.3	189.5
115	57.4	45.0	67.4

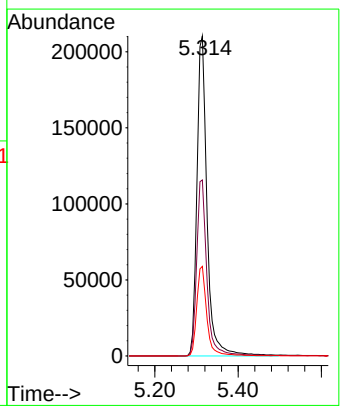


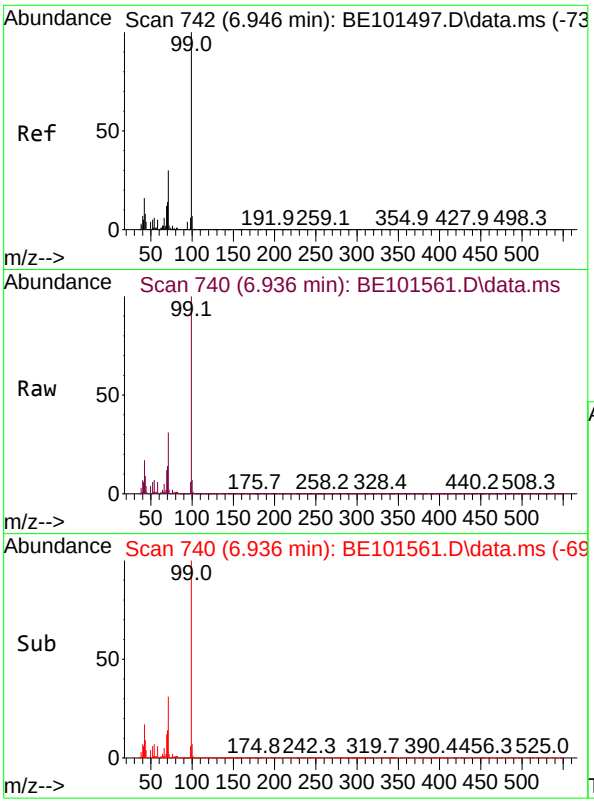


#5
2-Fluorophenol
Concen: 154.826 ng
RT: 5.314 min Scan# 464
Delta R.T. 0.001 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:112 Resp: 354883

Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.2	64.8
63	28.0	21.8	32.6



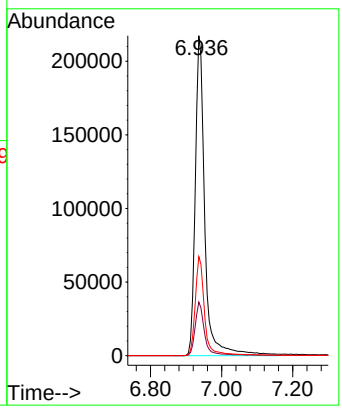


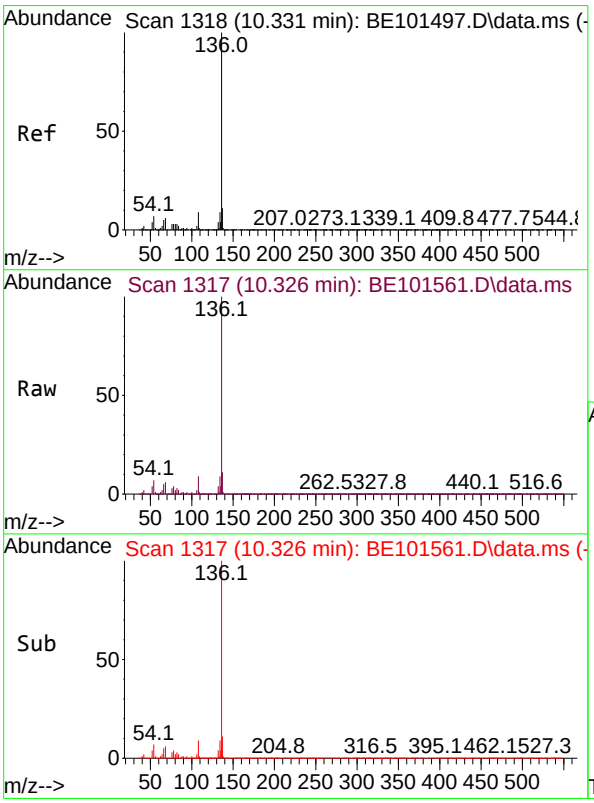
#7
Phenol-d6
Concen: 129.458 ng
RT: 6.936 min Scan# 7
Delta R.T. -0.011 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion: 99 Resp: 406848

Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.5	18.7
71	31.0	24.2	36.2

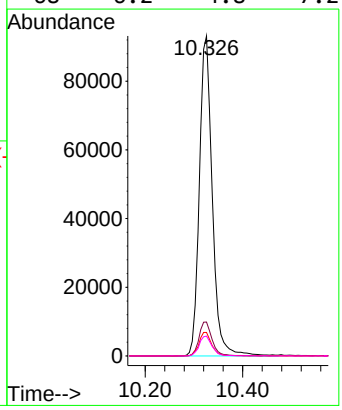


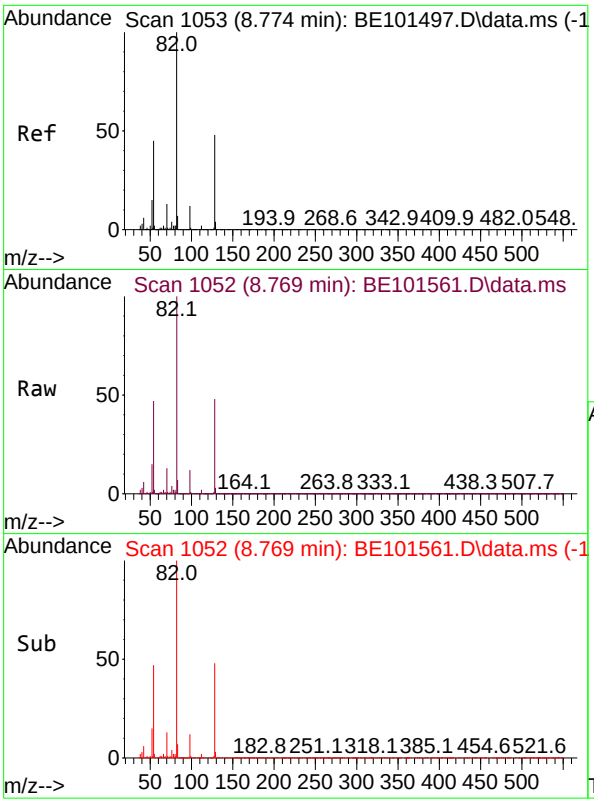


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.326 min Scan# 1317
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:136 Resp: 171441

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.3	5.6	8.4
68	6.2	4.8	7.2



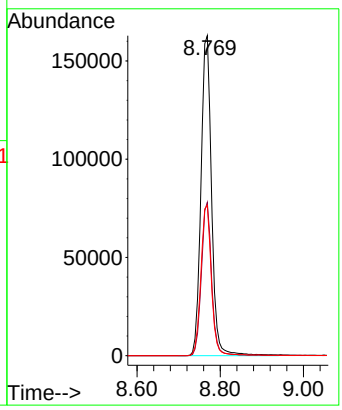


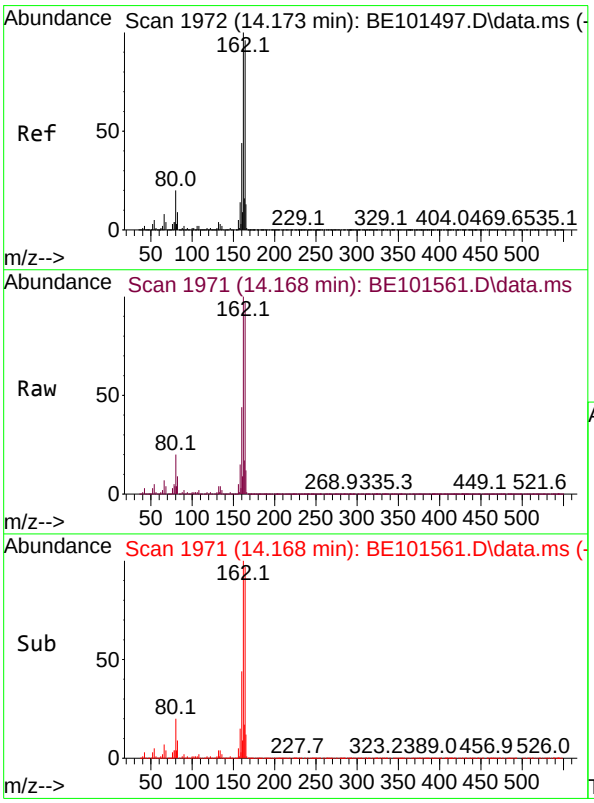
#23
Nitrobenzene-d5
Concen: 106.272 ng
RT: 8.769 min Scan# 1
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion: 82 Resp: 288442

Ion	Ratio	Lower	Upper
82	100		
128	47.9	38.6	58.0
54	47.0	36.3	54.5

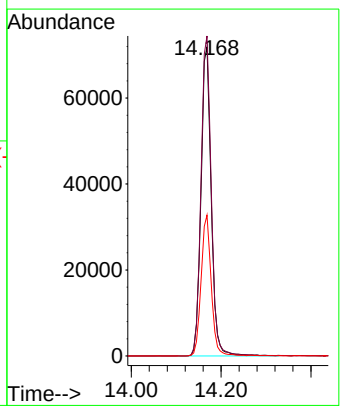


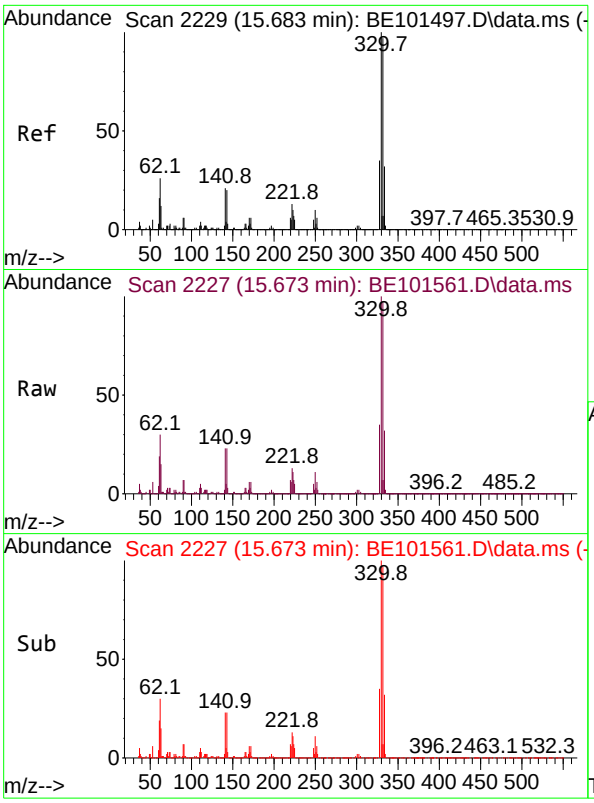


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.168 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:164 Resp: 113413

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.7	125.5
160	45.6	37.1	55.7



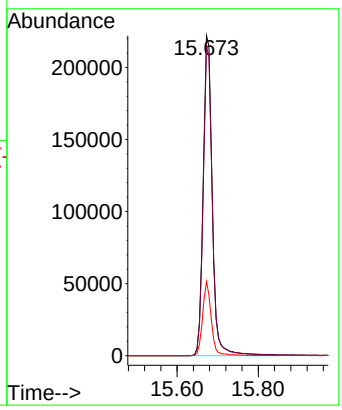


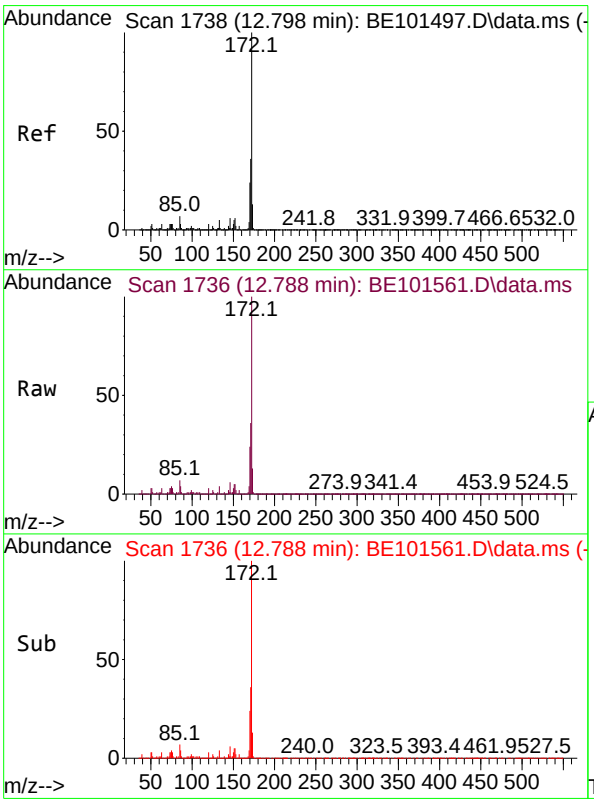
#42
2,4,6-Tribromophenol
Concen: 161.972 ng
RT: 15.673 min Scan# 2
Delta R.T. -0.011 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion:330 Resp: 345662

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	21.9	17.0	25.4

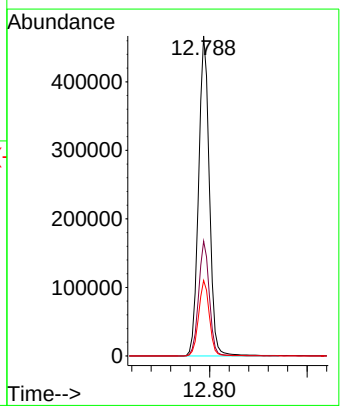


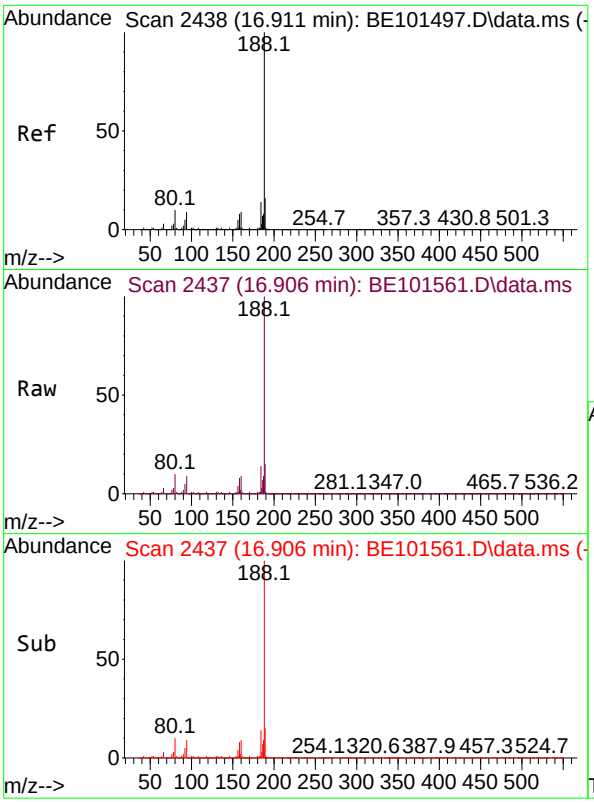


#45
2-Fluorobiphenyl
Concen: 103.486 ng
RT: 12.788 min Scan# 1736
Delta R.T. -0.011 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:172 Resp: 718808

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.6	18.9	28.3



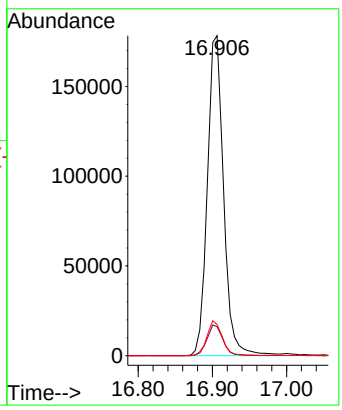


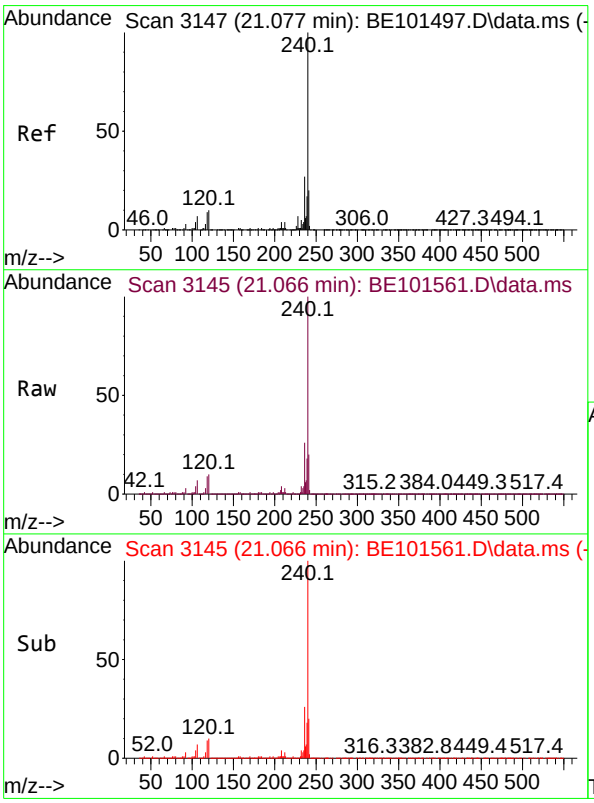
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.906 min Scan# 24
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion:188 Resp: 271101

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.4	11.2
80	9.7	8.0	12.0

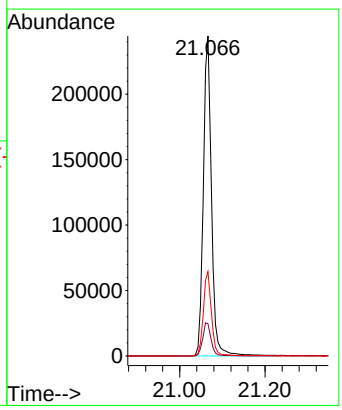


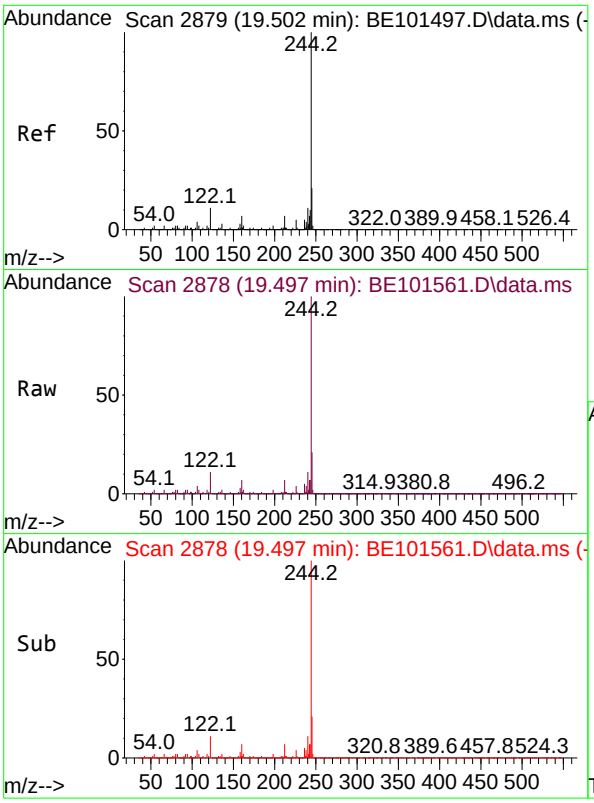


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3145
Delta R.T. -0.011 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:240 Resp: 324956

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.2	12.4
236	26.3	21.4	32.2



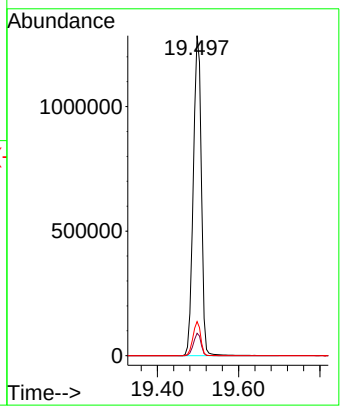


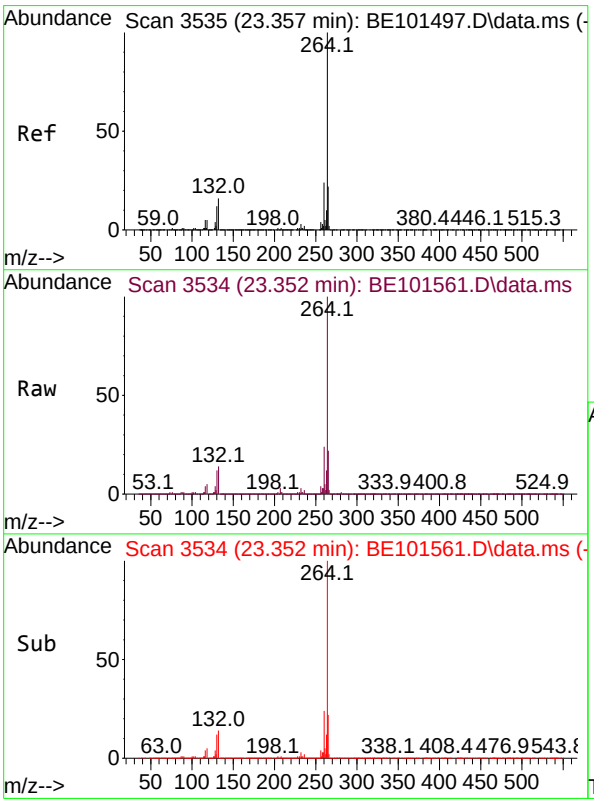
#79
Terphenyl-d14
Concen: 121.104 ng
RT: 19.497 min Scan# 2
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Instrument :
BNA_E
ClientSampleId :
WC-2(0-6)

Tgt Ion:244 Resp: 1777829

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.7	8.4	12.6

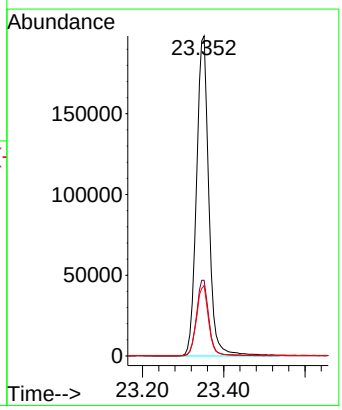




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.352 min Scan# 3534
Delta R.T. -0.005 min
Lab File: BE101561.D
Acq: 8 Nov 2024 20:30

Tgt Ion:264 Resp: 419473

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.0	17.4	26.2



Raw Data: **BE101560.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:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	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
BE101560.D	1	11/07/24 11:30	11/08/24 19:54	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	94%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.7		49 - 133	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.4		52 - 132	97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	114		48 - 125	114%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43400	7.559			
1146-65-2	Naphthalene-d8	177000	10.326			
15067-26-2	Acenaphthene-d10	120000	14.169			
1517-22-2	Phenanthrene-d10	291000	16.907			
1719-03-5	Chrysene-d12	362000	21.066			
1520-96-3	Perylene-d12	470000	23.346			

Raw Data: **BE101560.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:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-14	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
BE101560.D	1	11/07/24 11:30	11/08/24 19:54	PB164765

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_E\Data\BE110824\
Data File : BE101560.D
Acq On : 8 Nov 2024 19:54
Operator : RC/JU
Sample : P4722-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Quant Time: Nov 08 23:49:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	43377	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	177204	20.000	ng	0.00
39) Acenaphthene-d10	14.169	164	120124	20.000	ng	0.00
64) Phenanthrene-d10	16.907	188	290802	20.000	ng	0.00
76) Chrysene-d12	21.066	240	361520	20.000	ng	-0.01
86) Perylene-d12	23.346	264	469692	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.308	112	344165	140.292	ng	0.00
7) Phenol-d6	6.936	99	415037	123.393	ng	-0.01
23) Nitrobenzene-d5	8.763	82	277005	98.739	ng	-0.01
42) 2,4,6-Tribromophenol	15.673	330	360403	159.444	ng	-0.01
45) 2-Fluorobiphenyl	12.788	172	716802	97.432	ng	-0.01
79) Terphenyl-d14	19.498	244	1858658	113.804	ng	0.00
Target Compounds						Qvalue

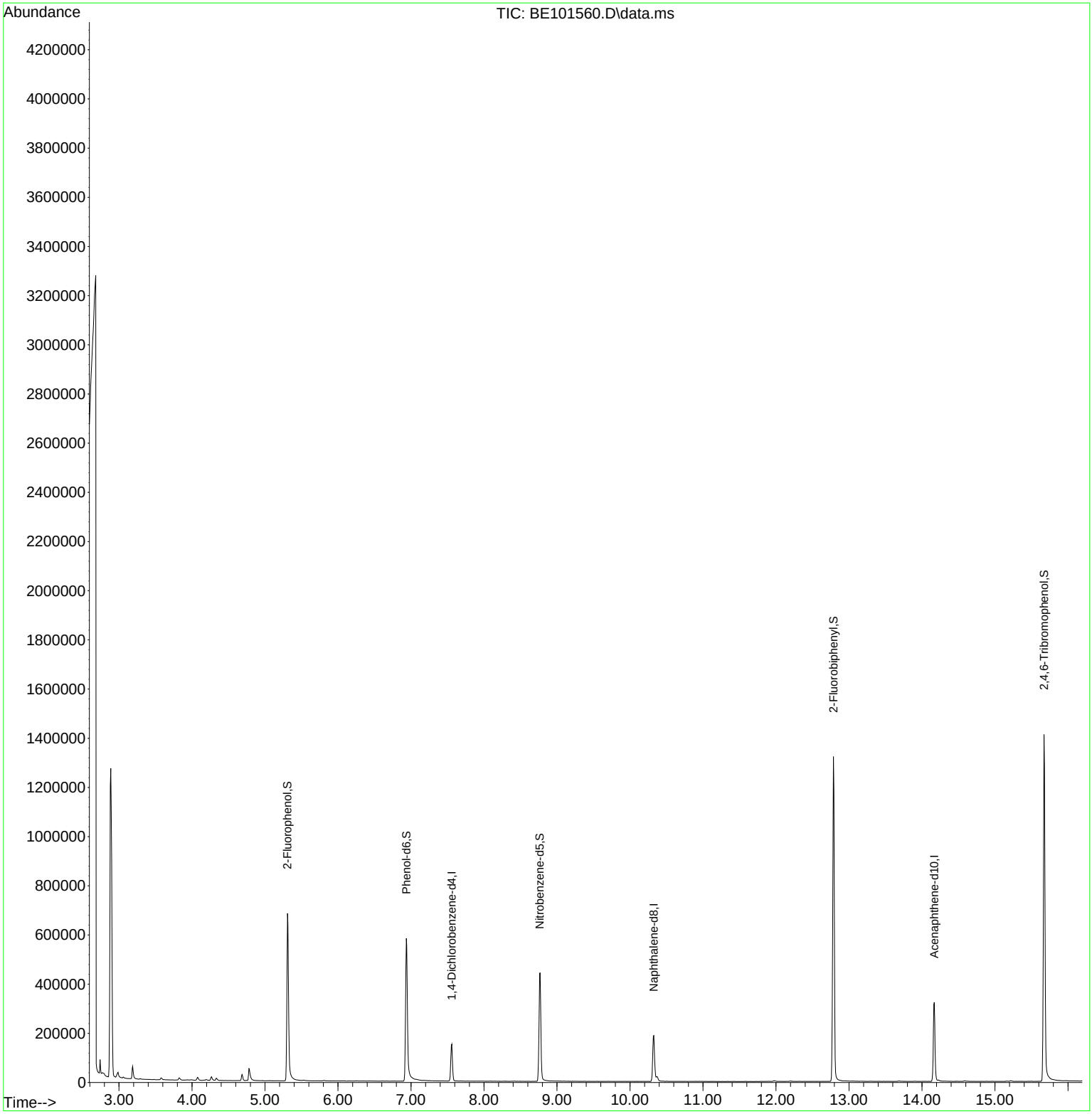
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BE101560.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101560.D
Acq On : 8 Nov 2024 19:54
Operator : RC/JU
Sample : P4722-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

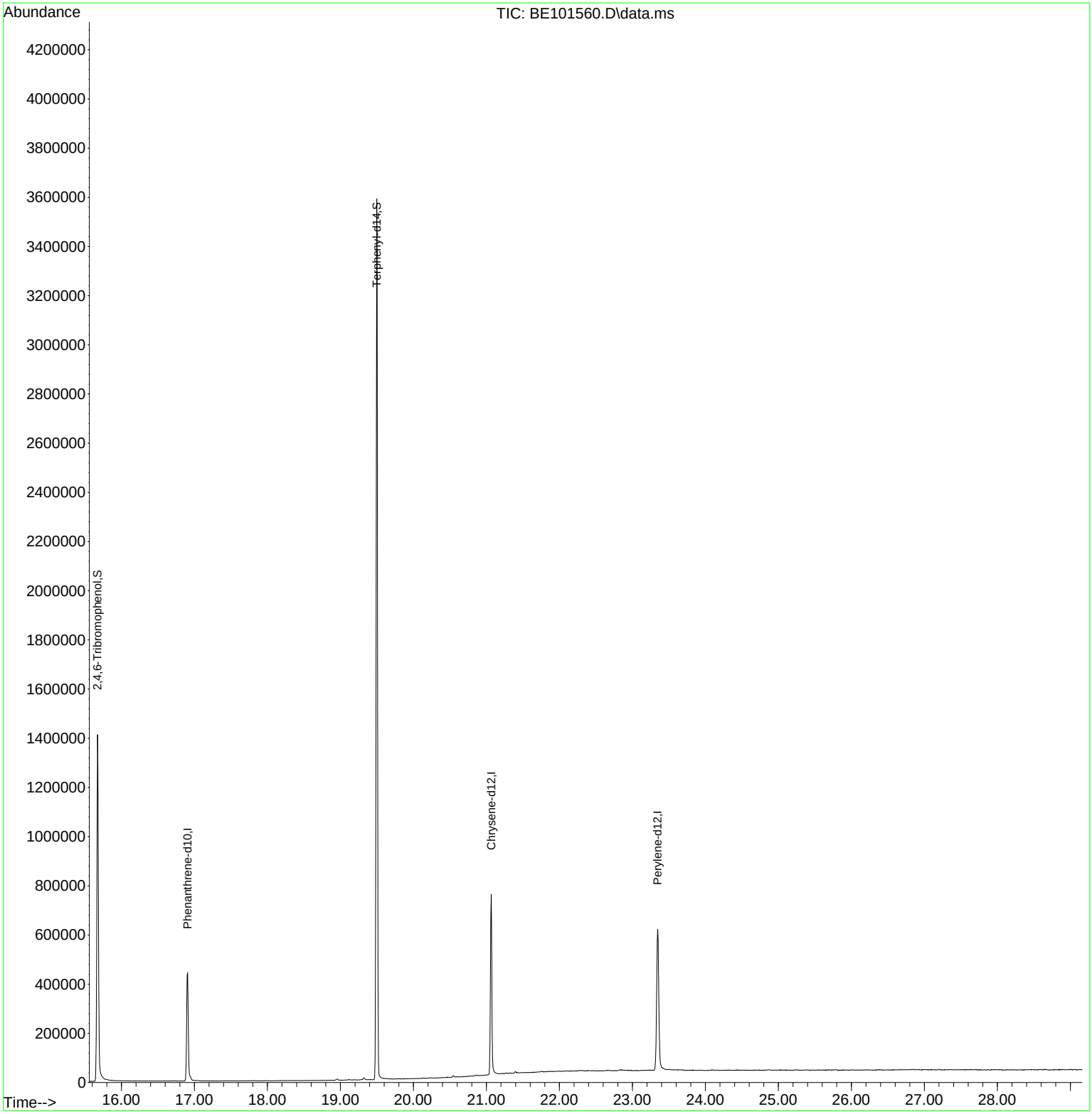
Quant Time: Nov 08 23:49:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

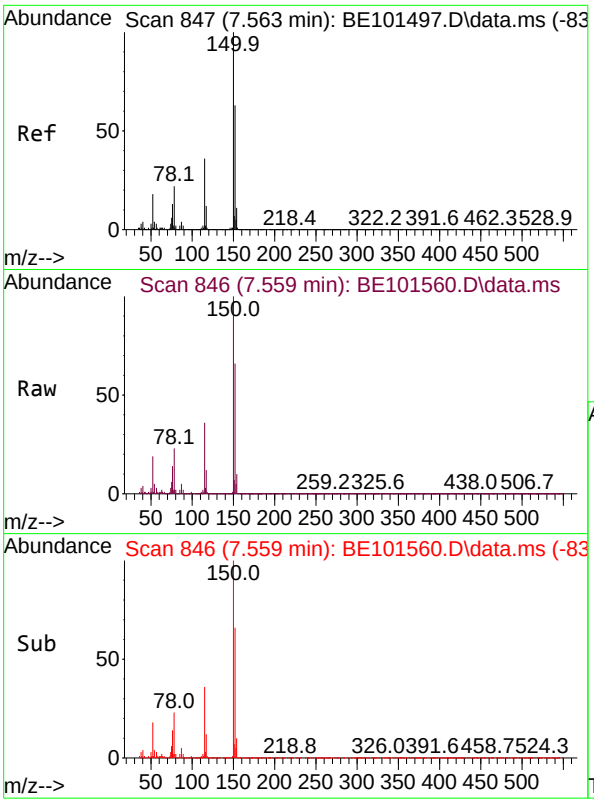


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101560.D
Acq On : 8 Nov 2024 19:54
Operator : RC/JU
Sample : P4722-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Quant Time: Nov 08 23:49:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



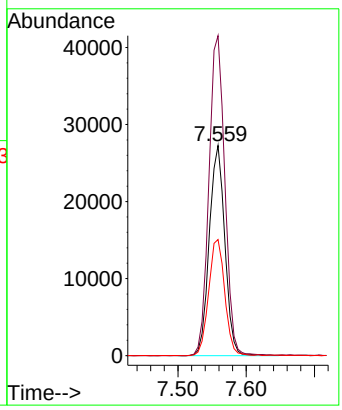


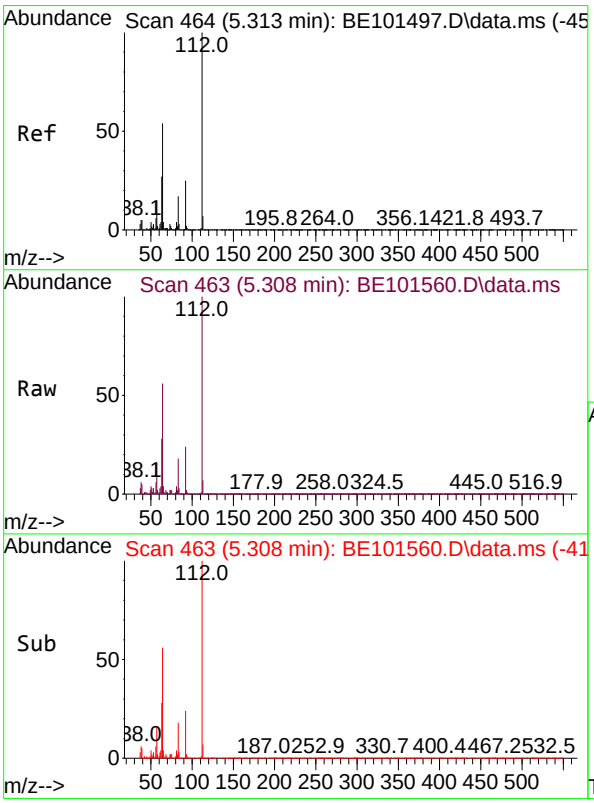
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.559 min Scan# 84
Delta R.T. -0.004 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion:152 Resp: 43377

Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.3	189.5
115	55.2	45.0	67.4

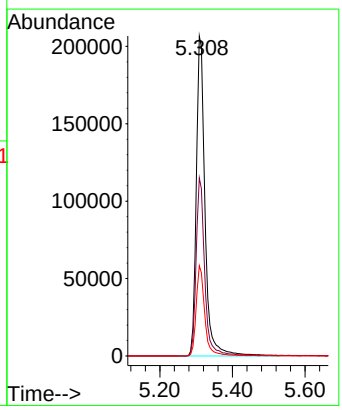


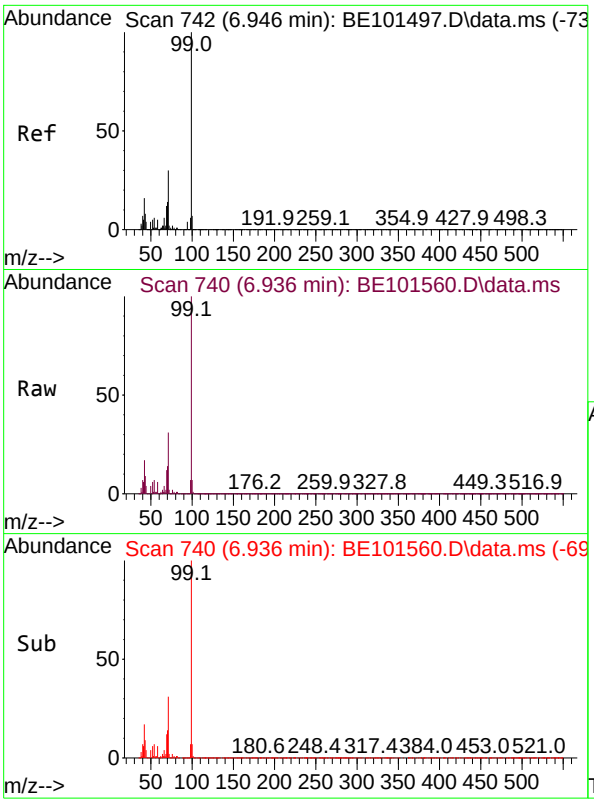


#5
2-Fluorophenol
Concen: 140.292 ng
RT: 5.308 min Scan# 463
Delta R.T. -0.005 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:112 Resp: 344165

Ion	Ratio	Lower	Upper
112	100		
64	55.6	43.2	64.8
63	28.2	21.8	32.6



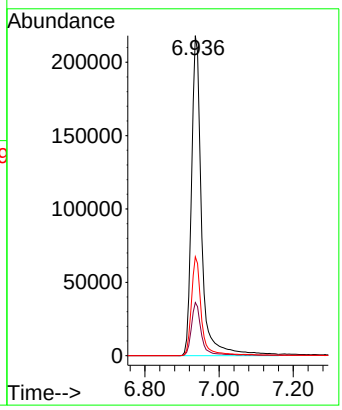


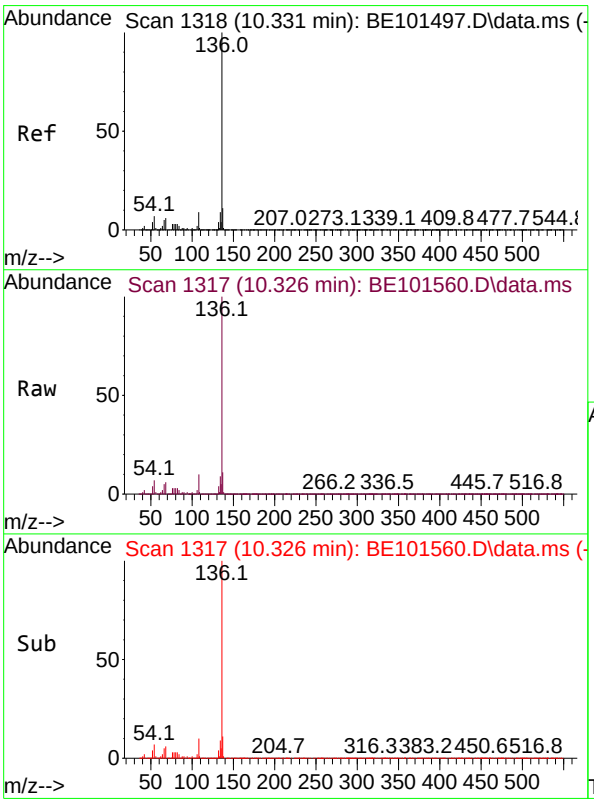
#7
Phenol-d6
Concen: 123.393 ng
RT: 6.936 min Scan# 7
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion: 99 Resp: 415037

Ion	Ratio	Lower	Upper
99	100		
42	16.6	12.5	18.7
71	30.9	24.2	36.2

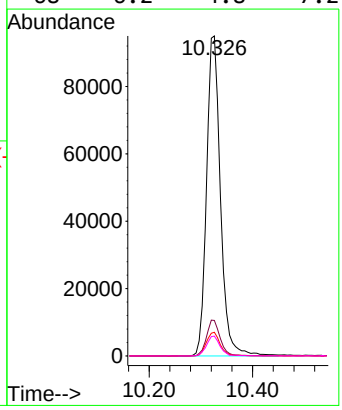


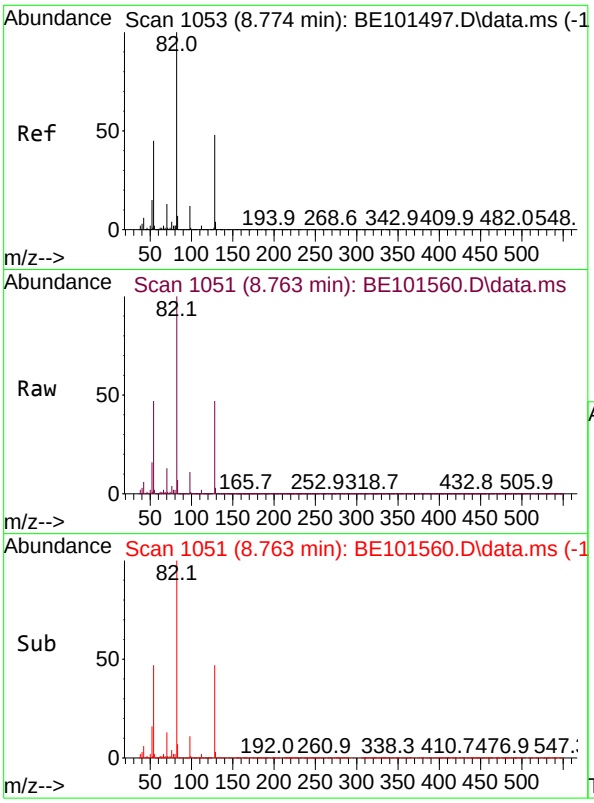


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.326 min Scan# 1317
Delta R.T. -0.005 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:136 Resp: 177204

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.4	5.6	8.4
68	6.2	4.8	7.2



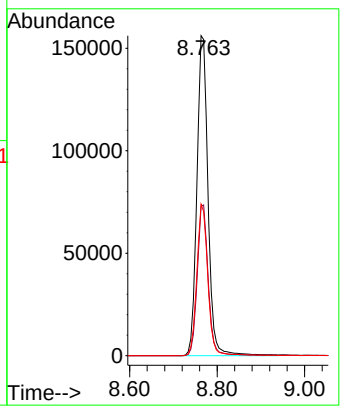


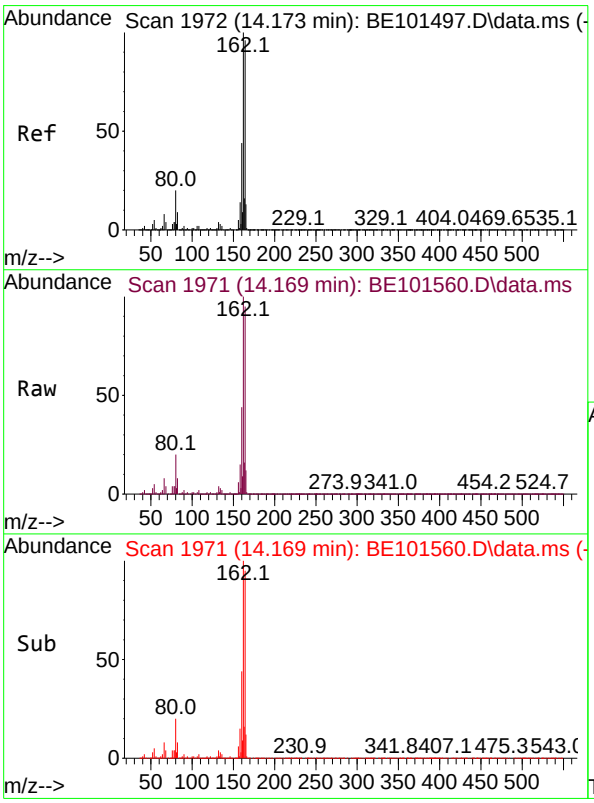
#23
Nitrobenzene-d5
Concen: 98.739 ng
RT: 8.763 min Scan# 1
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion: 82 Resp: 277005

Ion	Ratio	Lower	Upper
82	100		
128	46.7	38.6	58.0
54	47.3	36.3	54.5

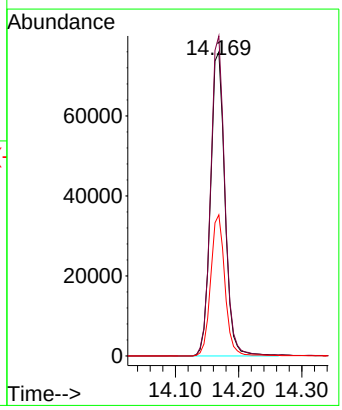


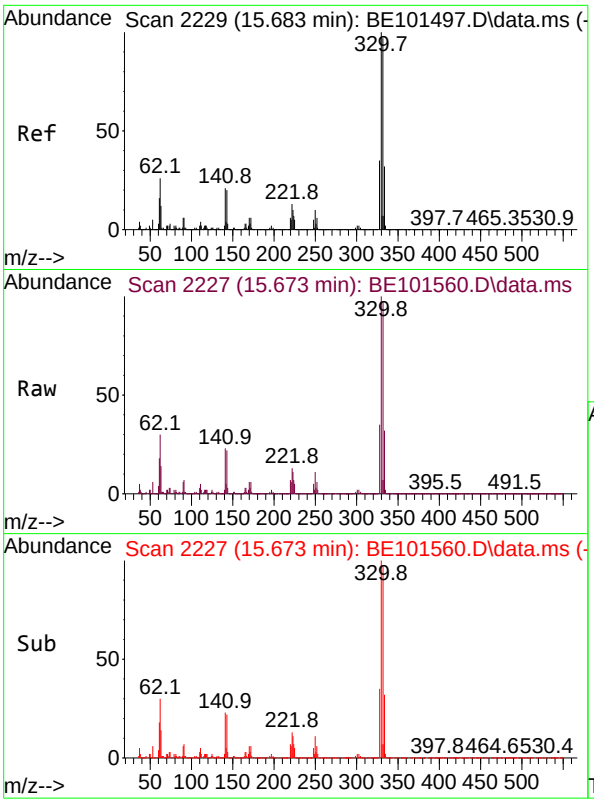


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.169 min Scan# 1971
Delta R.T. -0.005 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:164 Resp: 120124

Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.7	125.5
160	46.4	37.1	55.7



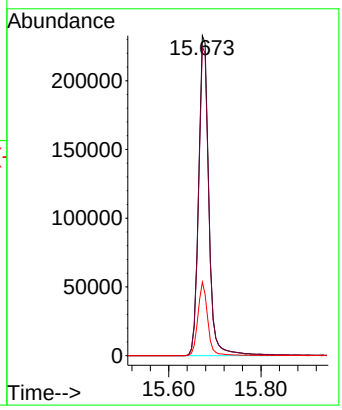


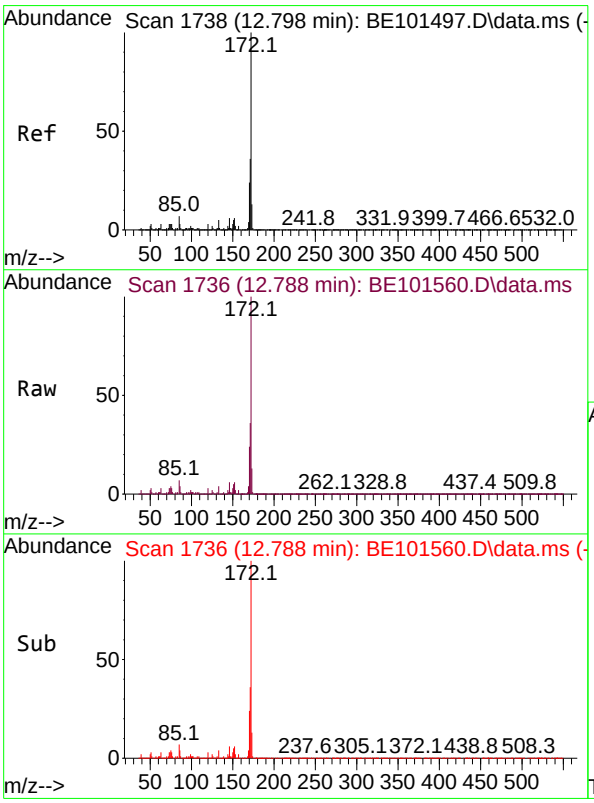
#42
2,4,6-Tribromophenol
Concen: 159.444 ng
RT: 15.673 min Scan# 2
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion:330 Resp: 360403

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.7	116.5
141	22.0	17.0	25.4

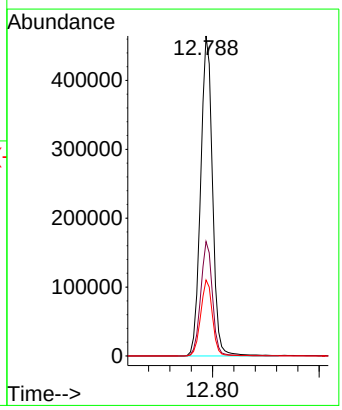


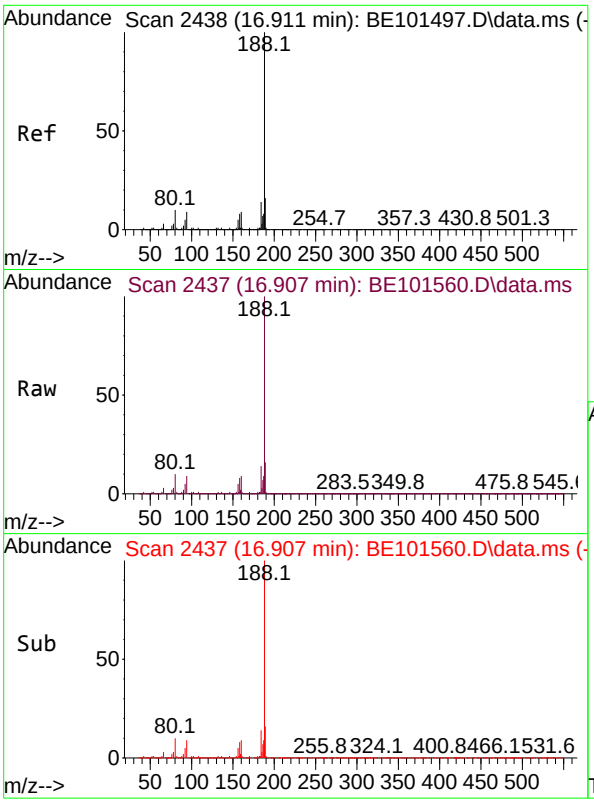


#45
2-Fluorobiphenyl
Concen: 97.432 ng
RT: 12.788 min Scan# 1736
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:172 Resp: 716802

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.8	18.9	28.3



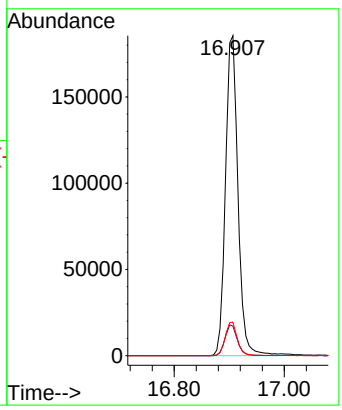


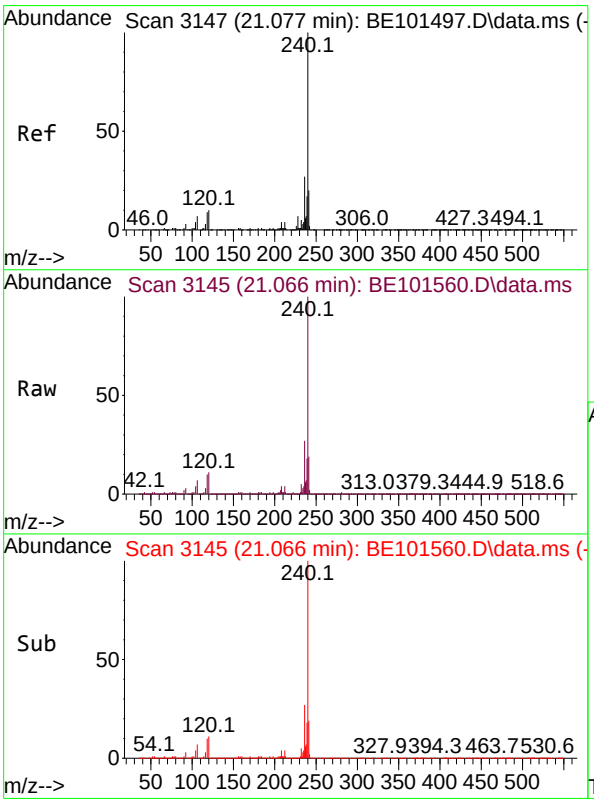
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.907 min Scan# 24
Delta R.T. -0.005 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion:188 Resp: 290802

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.4	11.2
80	10.5	8.0	12.0

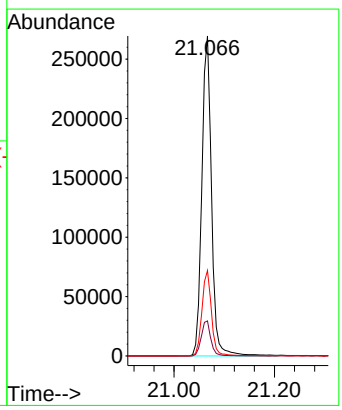


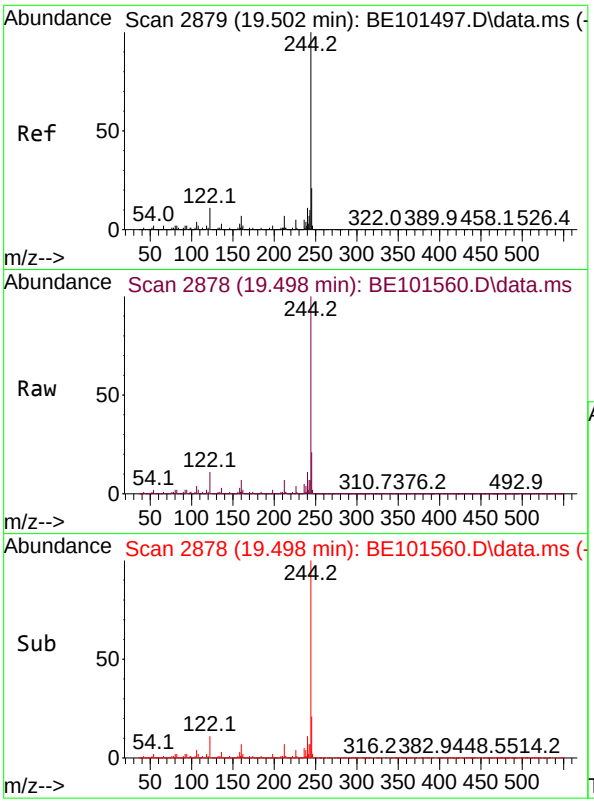


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.066 min Scan# 3145
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:240 Resp: 361520

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.2	12.4
236	26.7	21.4	32.2



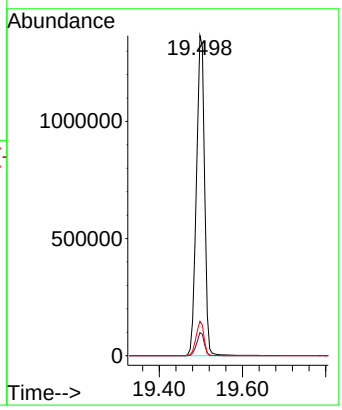


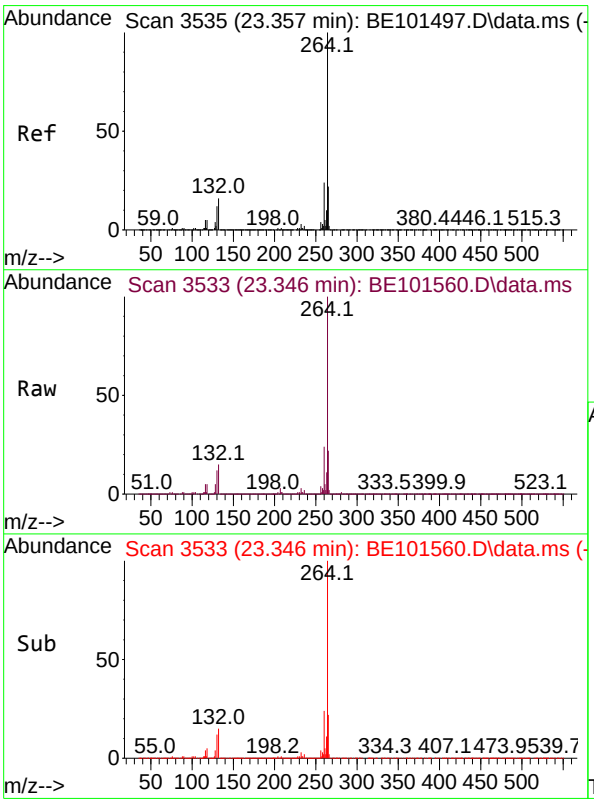
#79
Terphenyl-d14
Concen: 113.804 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.005 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Instrument :
BNA_E
ClientSampleId :
WC-3(0-6)

Tgt Ion:244 Resp: 1858658

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.8	8.4	12.6

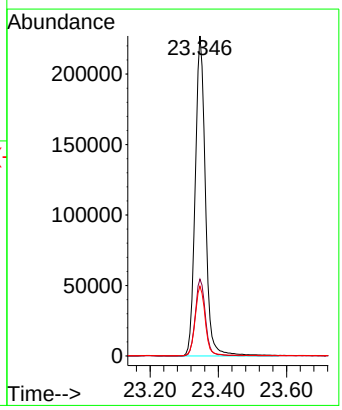




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.346 min Scan# 3533
Delta R.T. -0.010 min
Lab File: BE101560.D
Acq: 8 Nov 2024 19:54

Tgt Ion:264 Resp: 469692

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.8	17.4	26.2



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date(s): 11/06/2024 11/06/2024

Calibration Time(s): 13:51 18:02

LAB FILE ID: RRF2.5 = BE101493.D RRF005 = BE101494.D RRF010 = BE101495.D
RRF020 = BE101496.D RRF040 = BE101497.D RRF050 = BE101498.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.154	1.183	1.143	1.154	1.192	1.177	2.5
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
1,4-Dichlorobenzene		1.565	1.543	1.508	1.444	1.437	1.482	3.9
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.317	1.5
Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.500	3.0
Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.329	1.4
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
2,4,6-Trichlorophenol		0.358	0.352	0.360	0.358	0.361	0.362	2.2
2-Fluorobiphenyl		1.353	1.295	1.299	1.204	1.160	1.225	7.5
2,4,5-Trichlorophenol		0.390	0.381	0.402	0.400	0.411	0.403	3.7
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101493.D 5 =BE101494.D 10 =BE101495.D 20 =BE101496.D 40 =BE101497.D 50 =BE101498.D 60 =BE101499.D 80 =BE1015
00.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.394	0.378	0.421	10.54
3)		Pyridine		1.154	1.183	1.143	1.154	1.192	1.230	1.186	1.177	2.53
4)		n-Nitrosodimet...		0.509	0.465	0.446	0.445	0.461	0.473	0.464	0.466	4.58
5)	S	2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.159	1.127	1.131	1.99
6)		Aniline		1.323	1.251	1.316	1.368	1.026	1.044	0.819	1.164	17.52
7)	S	Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.617	1.551	1.551	2.49
8)		2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.364	1.324	1.340	1.30
9)		Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.640	0.542	0.759	19.80
10)	C	Phenol		1.646	1.682	1.702	1.664	1.709	1.764	1.649	1.688	2.45
11)		bis(2-Chloroet...		1.362	1.474	1.392	1.165	1.446	1.447	1.497	1.397	8.03
12)		1,3-Dichlorobe...		1.573	1.526	1.491	1.424	1.410	1.437	1.379	1.463	4.74
13)	C	1,4-Dichlorobe...		1.565	1.543	1.508	1.444	1.437	1.464	1.412	1.482	3.89
14)		1,2-Dichlorobe...		1.559	1.496	1.481	1.418	1.416	1.435	1.378	1.455	4.20
15)		Benzyl Alcohol		0.791	0.861	0.910	0.919	0.958	0.977	0.926	0.906	6.94
16)		2,2'-oxybis(1-...		1.733	1.690	1.700	1.628	1.625	1.636	1.567	1.654	3.41
17)		2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.163	1.123	1.093	4.76
18)		Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.501	0.483	0.500	2.95
19)	P	n-Nitroso-di-n...	0.958	0.996	1.040	1.058	1.027	1.046	1.057	0.998	1.023	3.48
20)		3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.606	1.530	1.515	4.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.462	0.460	0.461	0.443	0.447	0.455	0.443	0.453	1.91
23)	S	Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.325	0.313	0.317	1.46
24)		Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.338	0.330	0.329	1.41
25)		Isophorone		0.599	0.619	0.632	0.611	0.618	0.630	0.605	0.616	1.98
26)	C	2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.187	0.183	0.175	5.41
27)		2,4-Dimethylph...		0.196	0.199	0.204	0.198	0.205	0.212	0.206	0.203	2.83
28)		bis(2-Chloroet...		0.376	0.383	0.386	0.371	0.375	0.381	0.369	0.377	1.65
29)	C	2,4-Dichloroph...		0.275	0.279	0.289	0.283	0.294	0.302	0.294	0.288	3.35
30)		1,2,4-Trichlor...		0.344	0.326	0.323	0.311	0.313	0.321	0.312	0.321	3.63
31)		Naphthalene		1.071	1.033	1.027	0.983	0.983	1.003	0.968	1.010	3.58
32)		Benzoic acid			0.112	0.137	0.166	0.191	0.202	0.202	0.168	22.18
33)		4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.361	0.334	0.355	3.65
34)	C	Hexachlorobuta...		0.209	0.198	0.202	0.192	0.195	0.198	0.193	0.198	2.95
35)		Caprolactam		0.097	0.107	0.107	0.107	0.106	0.111	0.105	0.106	4.09
36)	C	4-Chloro-3-met...		0.293	0.318	0.316	0.312	0.318	0.327	0.317	0.314	3.27
37)		2-Methylnaphth...		0.744	0.733	0.733	0.706	0.705	0.715	0.684	0.717	2.93
38)		1-Methylnaphth...		0.752	0.738	0.734	0.696	0.697	0.711	0.679	0.715	3.72

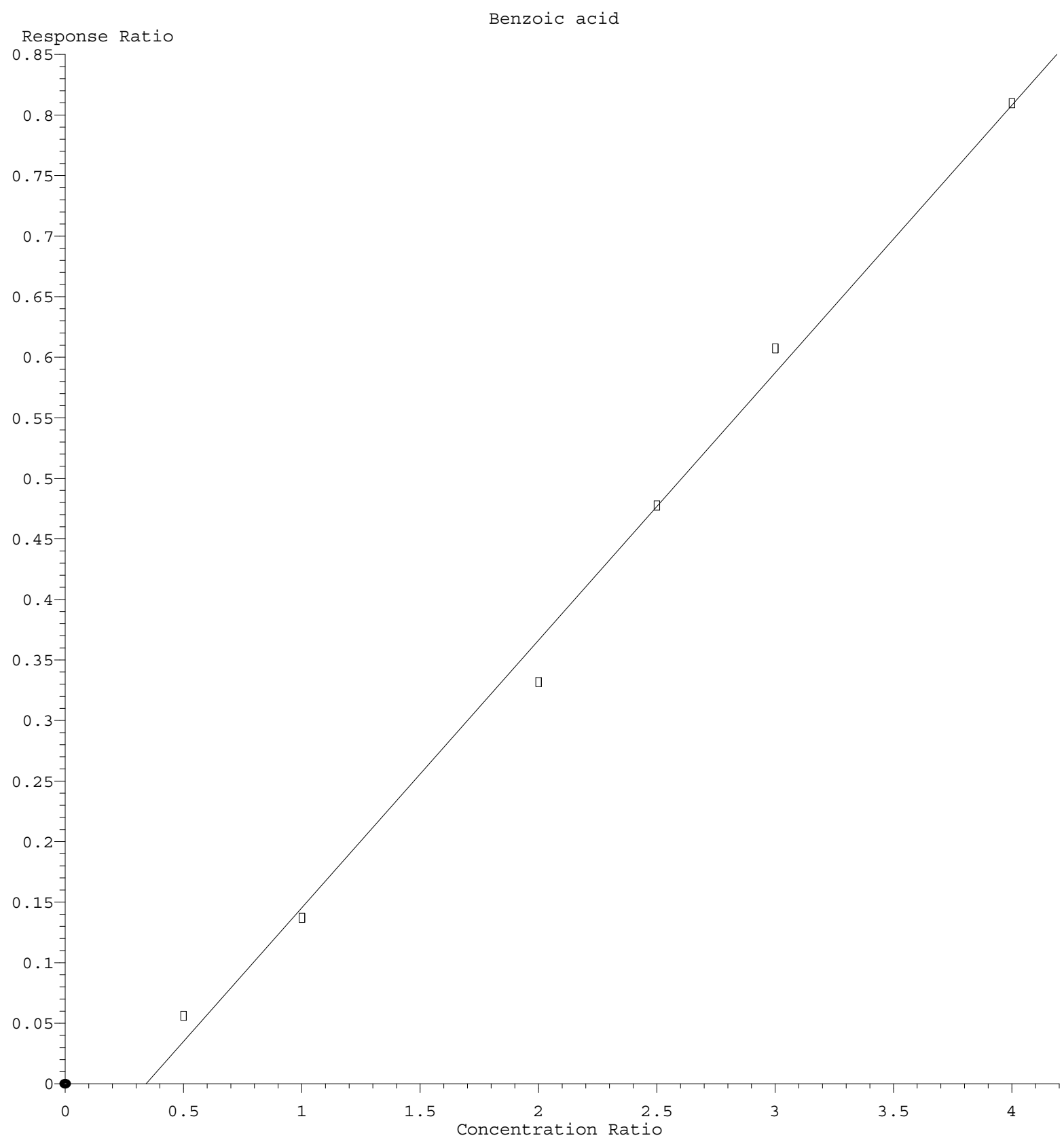
Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24
41)	P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72
42)	S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64
43)	C	2,4,6-Trichlor...	0.358	0.352	0.360	0.358	0.361	0.376	0.369	0.362	2.21
44)		2,4,5-Trichlor...	0.390	0.381	0.402	0.400	0.411	0.425	0.415	0.403	3.71
45)	S	2-Fluorobiphenyl	1.353	1.295	1.299	1.204	1.160	1.163	1.100	1.225	7.52
46)		1,1'-Biphenyl	1.451	1.416	1.424	1.336	1.344	1.366	1.320	1.380	3.66
47)		2-Chloronaphth...	1.124	1.104	1.115	1.060	1.065	1.091	1.060	1.088	2.49
48)		2-Nitroaniline	0.248	0.273	0.292	0.288	0.300	0.312	0.302	0.288	7.44
49)		Acenaphthylene	1.664	1.660	1.661	1.584	1.586	1.629	1.565	1.622	2.62
50)		Dimethylphthalate	1.500	1.479	1.478	1.389	1.368	1.403	1.352	1.424	4.22
51)		2,6-Dinitrotol...	0.316	0.330	0.336	0.324	0.327	0.338	0.329	0.329	2.23
52)	C	Acenaphthene	1.116	1.075	1.080	1.007	0.996	1.007	0.962	1.035	5.38
53)		3-Nitroaniline	0.282	0.320	0.335	0.328	0.323	0.333	0.314	0.319	5.67
54)	P	2,4-Dinitrophenol		0.139	0.178	0.194	0.208	0.220	0.217	0.193	15.82
55)		Dibenzofuran	1.799	1.736	1.724	1.615	1.591	1.629	1.568	1.666	5.20
56)	P	4-Nitrophenol	0.197	0.235	0.278	0.275	0.274	0.295	0.290	0.264	13.26
57)		2,4-Dinitrotol...	0.426	0.456	0.480	0.460	0.463	0.482	0.466	0.462	3.99
58)		Fluorene	1.490	1.475	1.458	1.363	1.328	1.347	1.272	1.391	6.03
59)		2,3,4,6-Tetrac...	0.379	0.366	0.377	0.369	0.370	0.381	0.372	0.373	1.53
60)		Diethylphthalate	1.600	1.579	1.577	1.457	1.442	1.460	1.397	1.502	5.41
61)		4-Chlorophenyl...	0.757	0.736	0.733	0.689	0.680	0.692	0.657	0.706	5.12
62)		4-Nitroaniline	0.285	0.334	0.359	0.349	0.355	0.366	0.359	0.344	8.07
63)		Azobenzene	1.283	1.269	1.289	1.196	1.183	1.203	1.153	1.225	4.44
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.084	0.104	0.117	0.123	0.131	0.136	0.135	0.119	15.97
66)	c	n-Nitrosodiphe...	0.550	0.534	0.545	0.519	0.526	0.533	0.509	0.531	2.68
67)		4-Bromophenyl-...	0.226	0.218	0.221	0.214	0.221	0.225	0.219	0.221	1.85
68)		Hexachlorobenzene	0.301	0.290	0.295	0.282	0.287	0.294	0.283	0.290	2.33
69)		Atrazine	0.202	0.187	0.151	0.171	0.121	0.135	0.130	0.157	19.70
70)	C	Pentachlorophenol	0.129	0.139	0.155	0.162	0.167	0.176	0.176	0.158	11.39
71)		Phenanthrene	1.067	1.000	1.016	0.942	0.936	0.947	0.901	0.973	5.87
72)		Anthracene	1.030	0.985	0.998	0.943	0.932	0.949	0.887	0.961	4.94
73)		Carbazole	1.030	1.003	1.001	0.940	0.924	0.947	0.899	0.963	5.00
74)		Di-n-butylphth...	1.312	1.269	1.261	1.170	1.128	1.121	1.068	1.190	7.68
75)	C	Fluoranthene	1.442	1.353	1.316	1.208	1.157	1.158	1.096	1.247	10.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.324	0.433	0.250	0.403	0.656	0.503	0.440	0.430	30.17
78)		Pyrene	1.201	1.158	1.199	1.130	1.125	1.117	1.036	1.138	4.95
79)	S	Terphenyl-d14	1.065	1.023	1.028	0.902	0.819	0.780	0.707	0.904	15.44
80)		Butylbenzylpht...	0.541	0.522	0.531	0.507	0.500	0.505	0.474	0.511	4.31
81)		Benzo(a)anthra...	1.334	1.258	1.258	1.170	1.138	1.118	1.040	1.188	8.47
82)		3,3'-Dichlorob...	0.466	0.474	0.480	0.469	0.478	0.467	0.439	0.468	2.92
83)		Chrysene	1.261	1.215	1.207	1.116	1.074	1.050	0.979	1.129	9.06
84)		Bis(2-ethylhex...	0.857	0.816	0.822	0.760	0.738	0.733	0.686	0.773	7.81
85)	c	Di-n-octyl pht...	1.510	1.430	1.383	1.284	1.226	1.203	1.119	1.308	10.60

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.480	1.394	1.411	1.347	1.342	1.357	1.290	1.374	4.40
88)		Benzo(b)fluora...	1.220	1.158	1.107	1.056	1.053	1.073	1.014	1.097	6.46
89)		Benzo(k)fluora...	1.119	1.045	1.080	0.977	0.966	0.937	0.849	0.996	9.23
90)	C	Benzo(a)pyrene	1.023	0.974	0.977	0.926	0.923	0.931	0.877	0.947	5.02
91)		Dibenzo(a,h)an...	1.250	1.169	1.189	1.128	1.111	1.119	1.047	1.145	5.68
92)		Benzo(g,h,i)pe...	1.239	1.164	1.182	1.133	1.148	1.162	1.113	1.163	3.46

(#) = Out of Range



Response = 2.209e-001 * Amt - 7.549e-002
Coef of Det (r^2) = 0.994812 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-BE110624.M
Calibration Table Last Updated: Thu Nov 07 00:01:20 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.566	152	55140	20.000	ng	0.00
21) Naphthalene-d8	10.333	136	244662	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	174059	20.000	ng	0.00
64) Phenanthrene-d10	16.908	188	418467	20.000	ng	0.00
76) Chrysene-d12	21.074	240	553680	20.000	ng	0.00
86) Perylene-d12	23.359	264	716356	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...	8.371	70	6602	2.281	ng	97

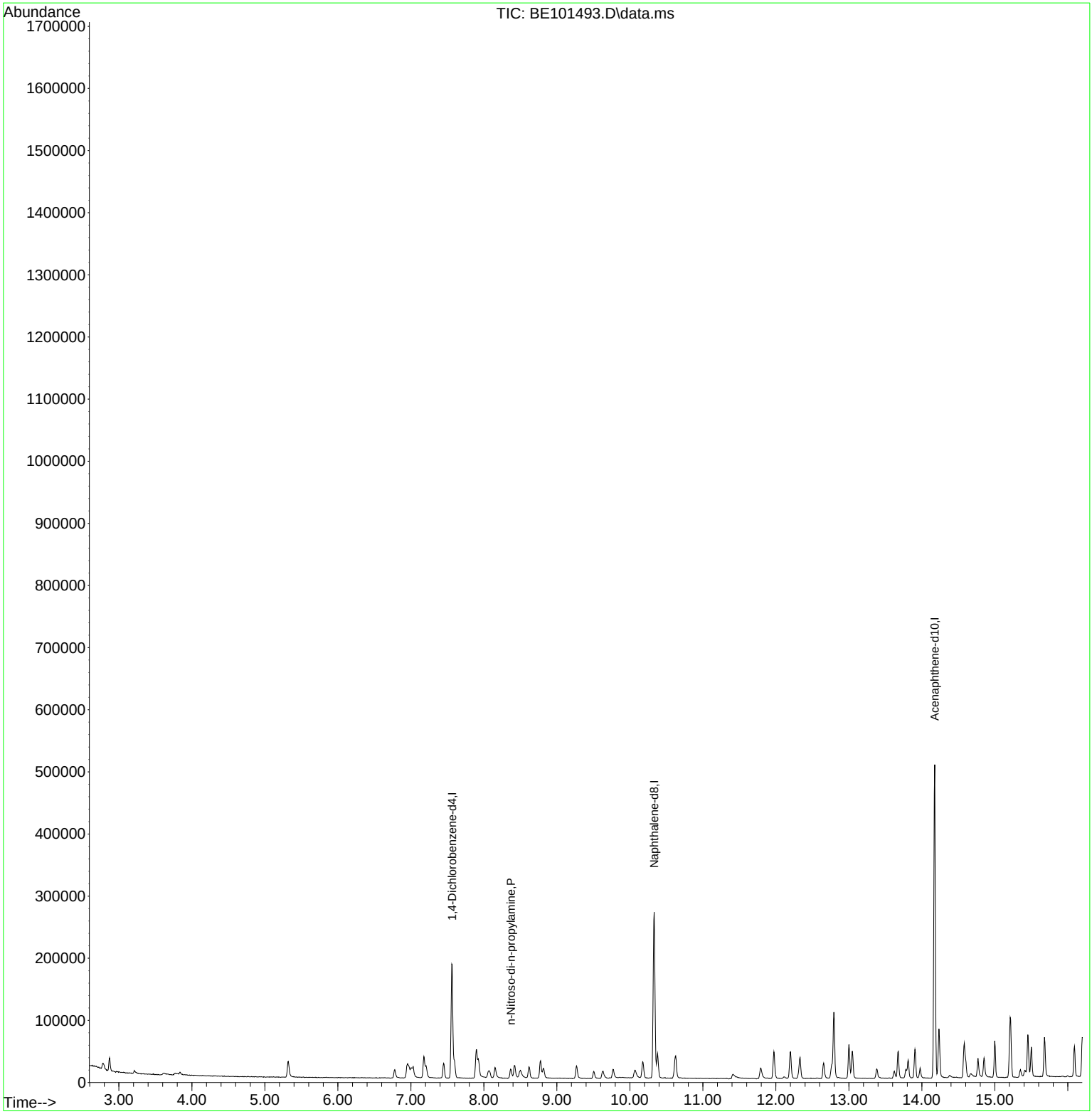
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration

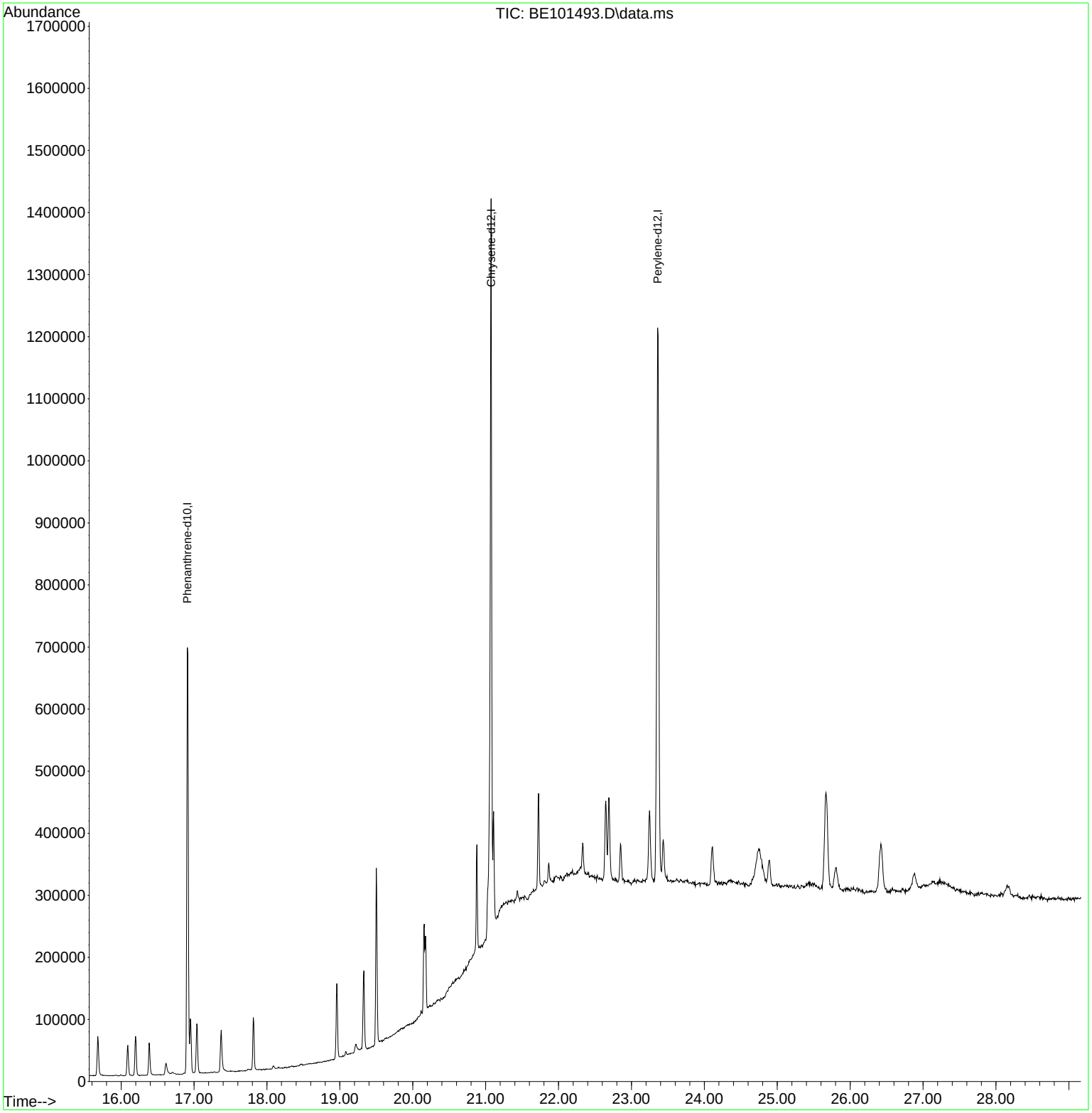


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101493.D
Acq On : 6 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:57:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.564	152	58383	20.000	ng		0.00
21) Naphthalene-d8	10.331	136	258182	20.000	ng		0.00
39) Acenaphthene-d10	14.174	164	180549	20.000	ng		0.00
64) Phenanthrene-d10	16.912	188	423331	20.000	ng		0.00
76) Chrysene-d12	21.071	240	546701	20.000	ng		0.00
86) Perylene-d12	23.357	264	699482	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	33886	10.263	ng		0.00
7) Phenol-d6	6.947	99	43601	9.631	ng		0.00
23) Nitrobenzene-d5	8.774	82	40354	9.873	ng		0.00
42) 2,4,6-Tribromophenol	15.678	330	34985	10.298	ng		0.00
45) 2-Fluorobiphenyl	12.793	172	122142	11.046	ng		0.00
79) Terphenyl-d14	19.503	244	291227	11.792	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.204	88	7228	5.882	ng		99
3) Pyridine	3.721	79	16838m	4.912	ng		
4) n-Nitrosodimethylamine	3.586	42	7426m	5.472	ng		
6) Aniline	7.006	93	19305m	5.682	ng		
8) 2-Chlorophenol	7.205	128	19545	4.996	ng		98
9) Benzaldehyde	6.776	77	13162	5.944	ng		97
10) Phenol	6.976	94	24029	4.876	ng		98
11) bis(2-Chloroethyl)ether	7.029	93	19885m	4.875	ng		
12) 1,3-Dichlorobenzene	7.452	146	22962	5.377	ng		99
13) 1,4-Dichlorobenzene	7.599	146	22839	5.280	ng		97
14) 1,2-Dichlorobenzene	7.928	146	22755	5.359	ng		99
15) Benzyl Alcohol	7.910	79	11539	4.363	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.069	45	25301	5.240	ng		98
17) 2-Methylphenol	8.151	107	14815	4.644	ng		99
18) Hexachloroethane	8.621	117	7655	5.240	ng		93
19) n-Nitroso-di-n-propyla...	8.363	70	14542	4.872	ng		98
20) 3+4-Methylphenols	8.498	107	20087	4.541	ng		95
22) Acetophenone	8.416	105	29818	5.100	ng	#	99
24) Nitrobenzene	8.815	77	20993	4.938	ng		96
25) Isophorone	9.268	82	38686	4.863	ng		100
26) 2-Nitrophenol	9.503	139	10295	4.550	ng		96
27) 2,4-Dimethylphenol	9.626	122	12624	4.822	ng		96
28) bis(2-Chloroethoxy)met...	9.767	93	24274	4.985	ng		99
29) 2,4-Dichlorophenol	10.067	162	17724	4.769	ng		100
30) 1,2,4-Trichlorobenzene	10.178	180	22223	5.357	ng		98
31) Naphthalene	10.378	128	69139	5.304	ng		99
33) 4-Chloroaniline	10.607	127	22048	4.810	ng		97
34) Hexachlorobutadiene	10.625	225	13478	5.271	ng		94
35) Caprolactam	11.389	113	6252m	4.587	ng		
36) 4-Chloro-3-methylphenol	11.788	107	18941	4.667	ng		99
37) 2-Methylnaphthalene	11.970	142	48048	5.190	ng		98
38) 1-Methylnaphthalene	12.199	142	48508	5.254	ng		98
40) 1,2,4,5-Tetrachloroben...	12.329	216	24636	5.175	ng		99
41) Hexachlorocyclopentadiene	12.305	237	4766	3.431	ng		98
43) 2,4,6-Trichlorophenol	12.652	196	16166	4.945	ng		94
44) 2,4,5-Trichlorophenol	12.758	196	17582	4.828	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:57:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	1,1'-Biphenyl	12.999	154	65480	5.258	ng	98
47)	2-Chloronaphthalene	13.046	162	50727	5.164	ng	99
48)	2-Nitroaniline	13.380	65	11198	4.307	ng	98
49)	Acenaphthylene	13.903	152	75121	5.132	ng	98
50)	Dimethylphthalate	13.674	163	67715	5.267	ng	99
51)	2,6-Dinitrotoluene	13.809	165	14269	4.809	ng	99
52)	Acenaphthene	14.232	154	50361	5.391	ng	97
53)	3-Nitroaniline	14.227	138	12712	4.413	ng	97
55)	Dibenzofuran	14.579	168	81210	5.399	ng	98
56)	4-Nitrophenol	14.661	139	8908	3.745	ng	94
57)	2,4-Dinitrotoluene	14.603	165	19245	4.616	ng	99
58)	Fluorene	15.214	166	67240	5.356	ng	96
59)	2,3,4,6-Tetrachlorophenol	14.849	232	17086	5.070	ng	97
60)	Diethylphthalate	14.996	149	72206	5.326	ng	99
61)	4-Chlorophenyl-phenyle...	15.202	204	34173	5.361	ng	99
62)	4-Nitroaniline	15.407	138	12871	4.147	ng	98
63)	Azobenzene	15.496	77	57916	5.237	ng	97
65)	4,6-Dinitro-2-methylph...	15.349	198	8886	3.536	ng	99
66)	n-Nitrosodiphenylamine	15.449	169	58159	5.177	ng	98
67)	4-Bromophenyl-phenylether	16.089	248	23904	5.120	ng	97
68)	Hexachlorobenzene	16.195	284	31869	5.186	ng	97
69)	Atrazine	16.383	200	21418	6.457	ng	100
70)	Pentachlorophenol	16.612	266	13649	4.094	ng	95
71)	Phenanthrene	16.953	178	112923	5.484	ng	98
72)	Anthracene	17.035	178	109043	5.363	ng	99
73)	Carbazole	17.370	167	108967	5.344	ng	98
74)	Di-n-butylphthalate	17.816	149	138845	5.514	ng	100
75)	Fluoranthene	18.956	202	152583	5.780	ng	99
77)	Benzidine	19.215	184	44276	3.622	ng	98
78)	Pyrene	19.326	202	164135	5.277	ng	99
80)	Butylbenzylphthalate	20.172	149	73897	5.286	ng	96
81)	Benzo(a)anthracene	21.048	228	182321	5.615	ng	98
82)	3,3'-Dichlorobenzidine	21.024	252	63710	4.985	ng	96
83)	Chrysene	21.107	228	172304	5.583	ng	96
84)	Bis(2-ethylhexyl)phtha...	20.878	149	117153	5.543	ng	99
85)	Di-n-octyl phthalate	21.724	149	206394	5.773	ng	99
87)	Indeno(1,2,3-cd)pyrene	25.672	276	258737	5.383	ng	100
88)	Benzo(b)fluoranthene	22.646	252	213339	5.559	ng	99
89)	Benzo(k)fluoranthene	22.687	252	195634	5.616	ng	99
90)	Benzo(a)pyrene	23.245	252	178972	5.402	ng	98
91)	Dibenzo(a,h)anthracene	25.666	278	218633	5.461	ng	99
92)	Benzo(g,h,i)perylene	26.418	276	216594	5.325	ng	99

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

ICAL Form

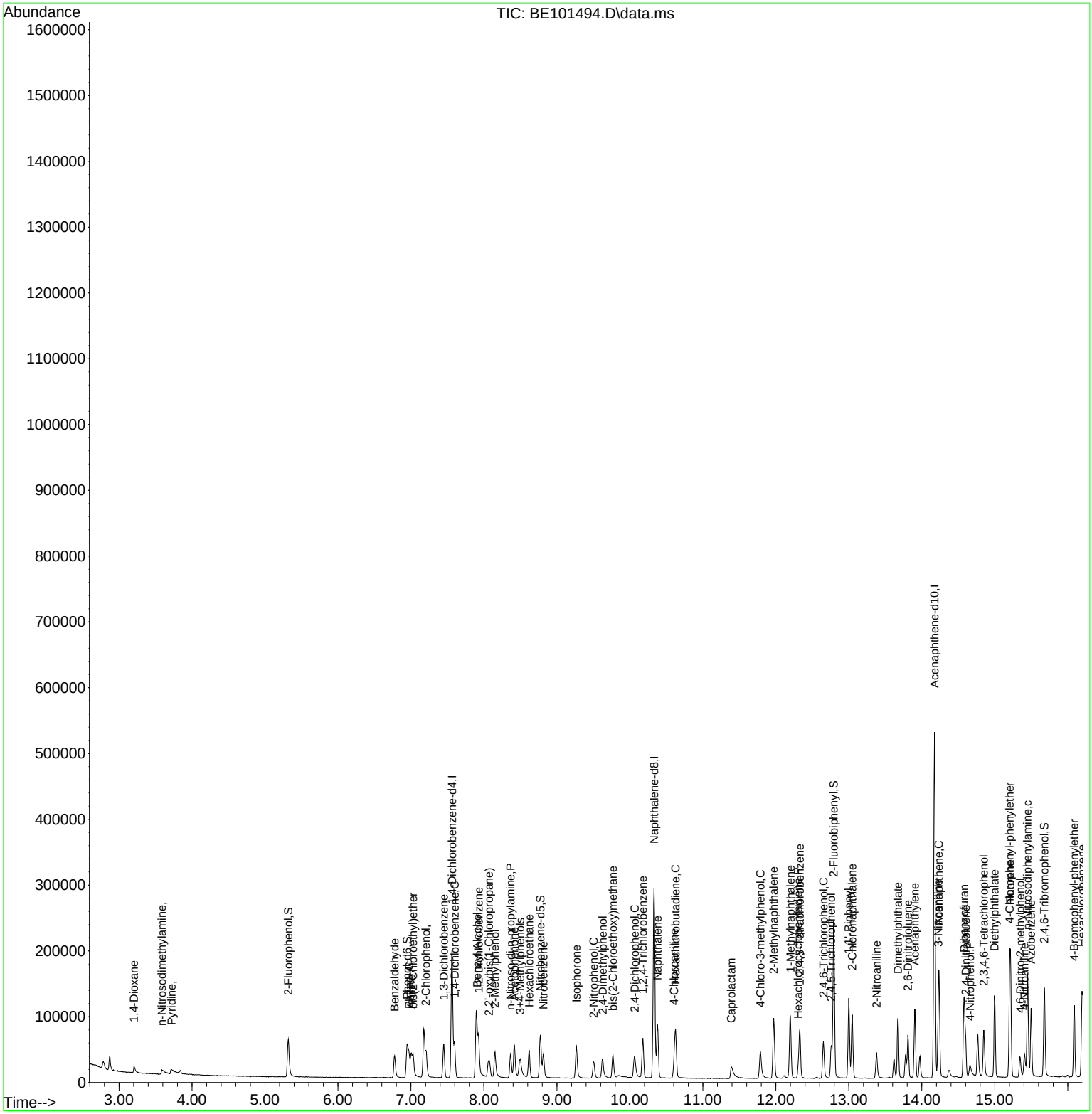
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 23:57:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

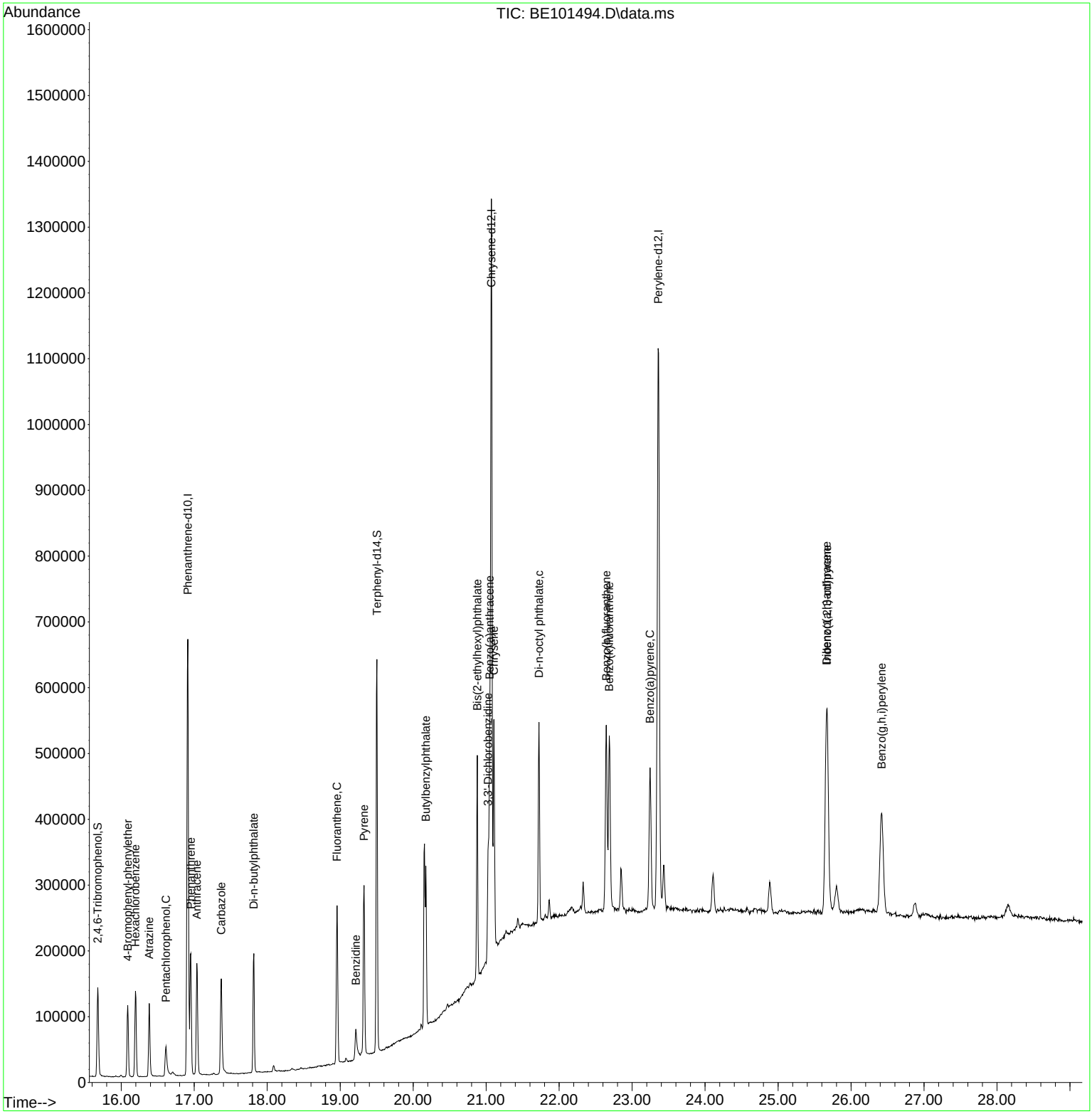
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 06 23:57:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.564	152	57903	20.000	ng		0.00
21) Naphthalene-d8	10.331	136	265882	20.000	ng		0.00
39) Acenaphthene-d10	14.174	164	191874	20.000	ng		0.00
64) Phenanthrene-d10	16.912	188	462919	20.000	ng		0.00
76) Chrysene-d12	21.072	240	581190	20.000	ng		0.00
86) Perylene-d12	23.357	264	754679	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	65746	20.077	ng		0.00
7) Phenol-d6	6.947	99	88292	19.665	ng		0.00
23) Nitrobenzene-d5	8.774	82	84140	19.989	ng		0.00
42) 2,4,6-Tribromophenol	15.678	330	75025	20.780	ng		0.00
45) 2-Fluorobiphenyl	12.793	172	248407	21.139	ng		0.00
79) Terphenyl-d14	19.503	244	594535	22.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.204	88	13252	10.874	ng		97
3) Pyridine	3.680	79	34238m	10.071	ng		
4) n-Nitrosodimethylamine	3.569	42	13462m	10.002	ng		
6) Aniline	7.000	93	36214	10.746	ng		98
8) 2-Chlorophenol	7.205	128	38871	10.019	ng		97
9) Benzaldehyde	6.771	77	26925	12.260	ng		96
10) Phenol	6.970	94	48699	9.964	ng		98
11) bis(2-Chloroethyl)ether	7.029	93	42663m	10.547	ng		
12) 1,3-Dichlorobenzene	7.446	146	44177	10.430	ng		98
13) 1,4-Dichlorobenzene	7.599	146	44669	10.412	ng		99
14) 1,2-Dichlorobenzene	7.922	146	43304	10.283	ng		99
15) Benzyl Alcohol	7.911	79	24919	9.501	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.063	45	48928	10.216	ng		99
17) 2-Methylphenol	8.151	107	30129	9.522	ng		97
18) Hexachloroethane	8.616	117	14738	10.172	ng		100
19) n-Nitroso-di-n-propyla...	8.363	70	30120	10.174	ng		99
20) 3+4-Methylphenols	8.492	107	42944	9.788	ng		98
22) Acetophenone	8.416	105	61153	10.156	ng	#	100
24) Nitrobenzene	8.815	77	43756	9.994	ng		97
25) Isophorone	9.262	82	82283	10.045	ng		98
26) 2-Nitrophenol	9.503	139	22250	9.550	ng		99
27) 2,4-Dimethylphenol	9.620	122	26420	9.800	ng		99
28) bis(2-Chloroethoxy)met...	9.761	93	50896	10.150	ng		99
29) 2,4-Dichlorophenol	10.061	162	37045	9.680	ng		97
30) 1,2,4-Trichlorobenzene	10.178	180	43281	10.131	ng		100
31) Naphthalene	10.378	128	137286	10.228	ng		99
32) Benzoic acid	9.844	122	14914m	11.988	ng		
33) 4-Chloroaniline	10.607	127	48397	10.253	ng		99
34) Hexachlorobutadiene	10.625	225	26322	9.996	ng		99
35) Caprolactam	11.377	113	14195	10.113	ng		96
36) 4-Chloro-3-methylphenol	11.782	107	42227	10.104	ng		98
37) 2-Methylnaphthalene	11.970	142	97448	10.221	ng		99
38) 1-Methylnaphthalene	12.194	142	98102	10.318	ng		99
40) 1,2,4,5-Tetrachloroben...	12.329	216	49721	9.829	ng		99
41) Hexachlorocyclopentadiene	12.305	237	12302	8.333	ng		94
43) 2,4,6-Trichlorophenol	12.646	196	33805	9.730	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.758	196	36598	9.456	ng	99
46)	1,1'-Biphenyl	12.999	154	135881	10.267	ng	99
47)	2-Chloronaphthalene	13.046	162	105886	10.143	ng	98
48)	2-Nitroaniline	13.375	65	26212	9.486	ng	94
49)	Acenaphthylene	13.904	152	159301	10.240	ng	100
50)	Dimethylphthalate	13.674	163	141845	10.381	ng	99
51)	2,6-Dinitrotoluene	13.810	165	31703	10.053	ng	98
52)	Acenaphthene	14.233	154	103151	10.391	ng	99
53)	3-Nitroaniline	14.221	138	30678	10.021	ng	100
54)	2,4-Dinitrophenol	14.362	184	13356	7.227	ng	95
55)	Dibenzofuran	14.579	168	166586	10.421	ng	98
56)	4-Nitrophenol	14.656	139	22580	8.932	ng	98
57)	2,4-Dinitrotoluene	14.597	165	43718	9.868	ng	95
58)	Fluorene	15.214	166	141548	10.610	ng	100
59)	2,3,4,6-Tetrachlorophenol	14.849	232	35091	9.798	ng	99
60)	Diethylphthalate	14.996	149	151484	10.515	ng	99
61)	4-Chlorophenyl-phenyle...	15.202	204	70641	10.427	ng	99
62)	4-Nitroaniline	15.408	138	32072	9.723	ng	99
63)	Azobenzene	15.496	77	121761	10.360	ng	98
65)	4,6-Dinitro-2-methylph...	15.343	198	24157	8.791	ng	96
66)	n-Nitrosodiphenylamine	15.449	169	123543	10.056	ng	99
67)	4-Bromophenyl-phenylether	16.089	248	50392	9.870	ng	98
68)	Hexachlorobenzene	16.195	284	67099	9.986	ng	98
69)	Atrazine	16.383	200	43317	11.943	ng	99
70)	Pentachlorophenol	16.606	266	32157	8.820	ng	100
71)	Phenanthrene	16.953	178	231521	10.283	ng	99
72)	Anthracene	17.035	178	228097	10.259	ng	99
73)	Carbazole	17.370	167	232212	10.414	ng	98
74)	Di-n-butylphthalate	17.817	149	293685	10.666	ng	99
75)	Fluoranthene	18.956	202	313161	10.848	ng	99
77)	Benzidine	19.215	184	125704	9.672	ng	98
78)	Pyrene	19.327	202	336444	10.174	ng	99
80)	Butylbenzylphthalate	20.173	149	151678	10.206	ng	96
81)	Benzo(a)anthracene	21.048	228	365483	10.588	ng	99
82)	3,3'-Dichlorobenzidine	21.025	252	137731	10.136	ng	99
83)	Chrysene	21.107	228	353202	10.766	ng	98
84)	Bis(2-ethylhexyl)phtha...	20.878	149	237030	10.550	ng	99
85)	Di-n-octyl phthalate	21.724	149	415603	10.934	ng	100
87)	Indeno(1,2,3-cd)pyrene	25.672	276	525995	10.142	ng	100
88)	Benzo(b)fluoranthene	22.646	252	437004	10.554	ng	100
89)	Benzo(k)fluoranthene	22.687	252	394215	10.488	ng	99
90)	Benzo(a)pyrene	23.246	252	367555	10.282	ng	99
91)	Dibenzo(a,h)anthracene	25.666	278	440981	10.210	ng	99
92)	Benzo(g,h,i)perylene	26.418	276	439224	10.009	ng	98

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

ICAL Form

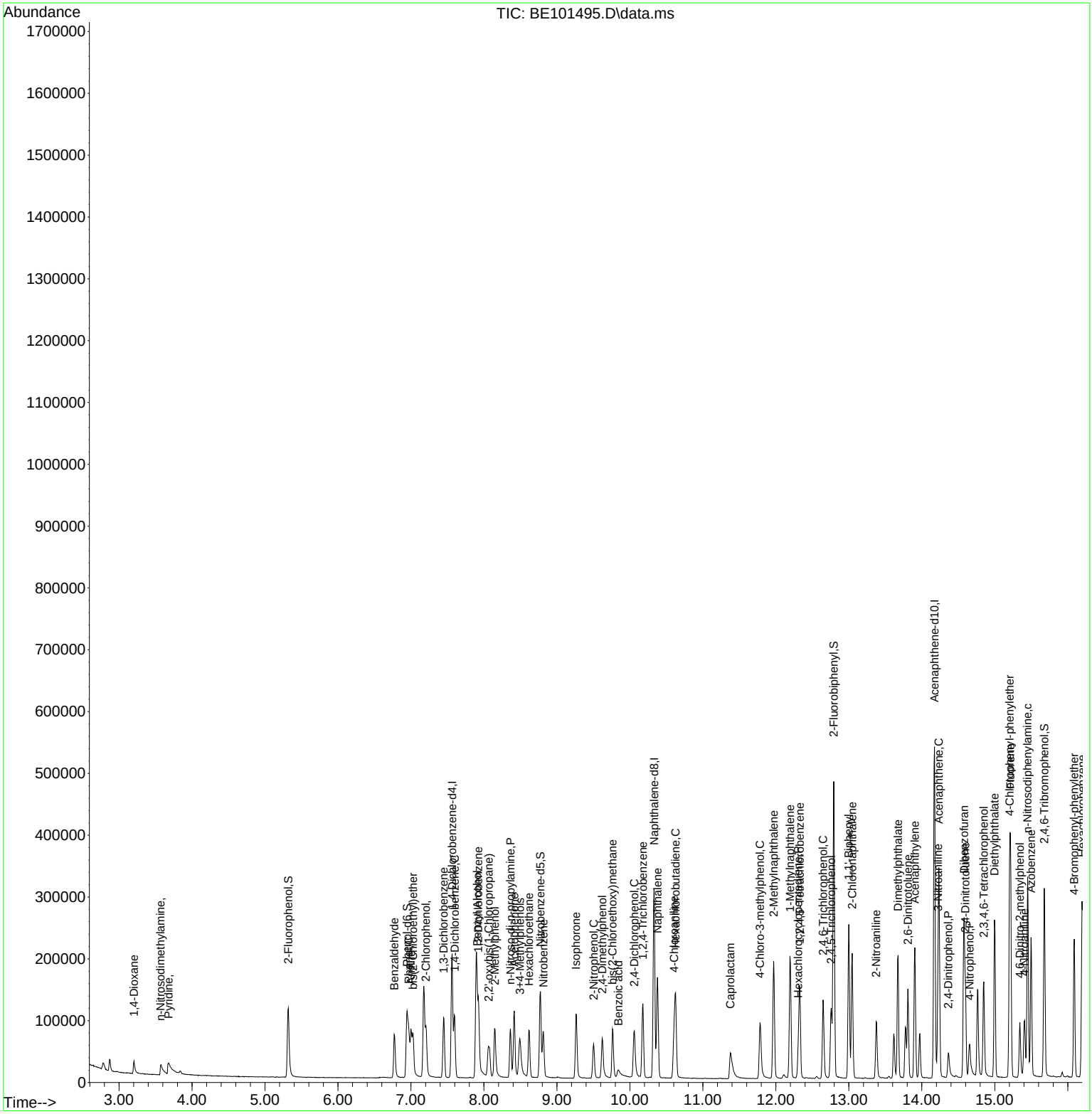
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 23:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

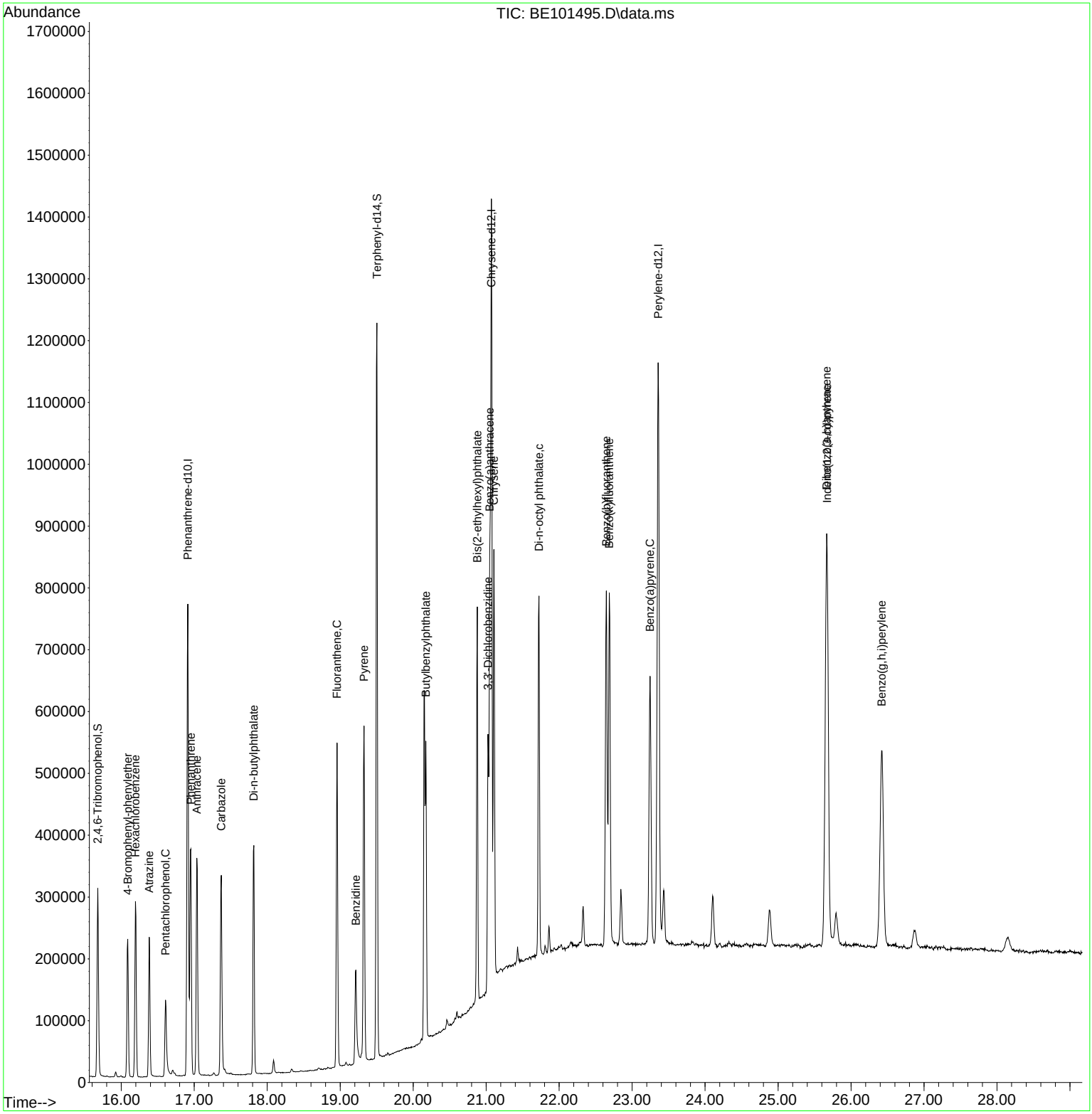
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 06 23:49:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	62157	20.000	ng	0.00
21) Naphthalene-d8	10.331	136	288909	20.000	ng	0.00
39) Acenaphthene-d10	14.173	164	204232	20.000	ng	0.00
64) Phenanthrene-d10	16.911	188	478096	20.000	ng	0.00
76) Chrysene-d12	21.071	240	559370	20.000	ng	0.00
86) Perylene-d12	23.357	264	714238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.313	112	139200	39.598	ng	0.00
7) Phenol-d6	6.947	99	193657	40.180	ng	0.00
23) Nitrobenzene-d5	8.768	82	183862	40.198	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	159627	41.537	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	530710	42.429	ng	0.00
79) Terphenyl-d14	19.502	244	1149756	45.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.198	88	27229	20.814	ng	97
3) Pyridine	3.639	79	71059m	19.470	ng	
4) n-Nitrosodimethylamine	3.551	42	27721	19.186	ng	93
6) Aniline	6.999	93	81808	22.615	ng	98
8) 2-Chlorophenol	7.205	128	84488	20.286	ng	98
9) Benzaldehyde	6.770	77	54398	23.073	ng	100
10) Phenol	6.970	94	105803	20.167	ng	100
11) bis(2-Chloroethyl)ether	7.029	93	86535m	19.928	ng	
12) 1,3-Dichlorobenzene	7.446	146	92668	20.381	ng	99
13) 1,4-Dichlorobenzene	7.599	146	93750	20.357	ng	98
14) 1,2-Dichlorobenzene	7.928	146	92070	20.367	ng	99
15) Benzyl Alcohol	7.904	79	56585	20.098	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.069	45	105656	20.551	ng	99
17) 2-Methylphenol	8.145	107	66717	19.642	ng	100
18) Hexachloroethane	8.615	117	31540	20.280	ng	99
19) n-Nitroso-di-n-propyla...	8.363	70	65778	20.698	ng	96
20) 3+4-Methylphenols	8.492	107	95041	20.180	ng	97
22) Acetophenone	8.415	105	133156	20.351	ng	99
24) Nitrobenzene	8.815	77	95424	20.058	ng	100
25) Isophorone	9.261	82	182448	20.497	ng	99
26) 2-Nitrophenol	9.502	139	50585	19.981	ng	99
27) 2,4-Dimethylphenol	9.620	122	58909	20.110	ng	96
28) bis(2-Chloroethoxy)met...	9.761	93	111395	20.444	ng	98
29) 2,4-Dichlorophenol	10.055	162	83380	20.050	ng	98
30) 1,2,4-Trichlorobenzene	10.178	180	93377	20.114	ng	98
31) Naphthalene	10.378	128	296678	20.341	ng	100
32) Benzoic acid	9.861	122	39574	19.298	ng	97
33) 4-Chloroaniline	10.601	127	107079	20.877	ng	98
34) Hexachlorobutadiene	10.625	225	58370	20.400	ng	98
35) Caprolactam	11.377	113	31049	20.357	ng	97
36) 4-Chloro-3-methylphenol	11.782	107	91230	20.090	ng	98
37) 2-Methylnaphthalene	11.970	142	211769	20.442	ng	100
38) 1-Methylnaphthalene	12.193	142	212055	20.526	ng	99
40) 1,2,4,5-Tetrachloroben...	12.328	216	109331	20.305	ng	99
41) Hexachlorocyclopentadiene	12.305	237	31257	19.892	ng	97
43) 2,4,6-Trichlorophenol	12.646	196	73612	19.906	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.752	196	82078	19.923	ng	98
46)	1,1'-Biphenyl	12.998	154	290783	20.641	ng	98
47)	2-Chloronaphthalene	13.045	162	227654	20.488	ng	98
48)	2-Nitroaniline	13.374	65	59673	20.289	ng	95
49)	Acenaphthylene	13.903	152	339324	20.493	ng	99
50)	Dimethylphthalate	13.674	163	301910	20.759	ng	100
51)	2,6-Dinitrotoluene	13.815	165	68614	20.441	ng	97
52)	Acenaphthene	14.238	154	220601	20.878	ng	100
53)	3-Nitroaniline	14.220	138	68336	20.970	ng	100
54)	2,4-Dinitrophenol	14.361	184	36342	18.475	ng	99
55)	Dibenzofuran	14.579	168	352138	20.695	ng	99
56)	4-Nitrophenol	14.649	139	56819	21.116	ng	97
57)	2,4-Dinitrotoluene	14.596	165	98001	20.782	ng	99
58)	Fluorene	15.213	166	297824	20.973	ng	100
59)	2,3,4,6-Tetrachlorophenol	14.849	232	77085	20.221	ng	98
60)	Diethylphthalate	15.002	149	322160	21.009	ng	99
61)	4-Chlorophenyl-phenyle...	15.202	204	149620	20.749	ng	99
62)	4-Nitroaniline	15.407	138	73381	20.901	ng	99
63)	Azobenzene	15.495	77	263292	21.046	ng	98
65)	4,6-Dinitro-2-methylph...	15.343	198	56173	19.793	ng	96
66)	n-Nitrosodiphenylamine	15.448	169	260701	20.547	ng	100
67)	4-Bromophenyl-phenylether	16.089	248	105846	20.073	ng	99
68)	Hexachlorobenzene	16.195	284	140892	20.302	ng	98
69)	Atrazine	16.383	200	72153	19.262	ng	98
70)	Pentachlorophenol	16.606	266	74047	19.665	ng	98
71)	Phenanthrene	16.952	178	485572	20.882	ng	98
72)	Anthracene	17.035	178	476989	20.772	ng	99
73)	Carbazole	17.370	167	478446	20.777	ng	99
74)	Di-n-butylphthalate	17.816	149	602646	21.192	ng	99
75)	Fluoranthene	18.956	202	629084	21.100	ng	100
77)	Benzidine	19.215	184	139825	11.179	ng	99
78)	Pyrene	19.326	202	670466	21.066	ng	99
80)	Butylbenzylphthalate	20.172	149	296909	20.758	ng	97
81)	Benzo(a)anthracene	21.054	228	703560	21.178	ng	99
82)	3,3'-Dichlorobenzidine	21.024	252	268532	20.534	ng	99
83)	Chrysene	21.106	228	675186	21.382	ng	98
84)	Bis(2-ethylhexyl)phtha...	20.877	149	460007	21.272	ng	99
85)	Di-n-octyl phthalate	21.723	149	773873	21.154	ng	100
87)	Indeno(1,2,3-cd)pyrene	25.678	276	1007609	20.529	ng	100
88)	Benzo(b)fluoranthene	22.646	252	790994	20.186	ng	100
89)	Benzo(k)fluoranthene	22.693	252	771144	21.678	ng	99
90)	Benzo(a)pyrene	23.251	252	697499	20.617	ng	98
91)	Dibenzo(a,h)anthracene	25.672	278	849560	20.783	ng	99
92)	Benzo(g,h,i)perylene	26.430	276	844229	20.329	ng	99

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

ICAL Form

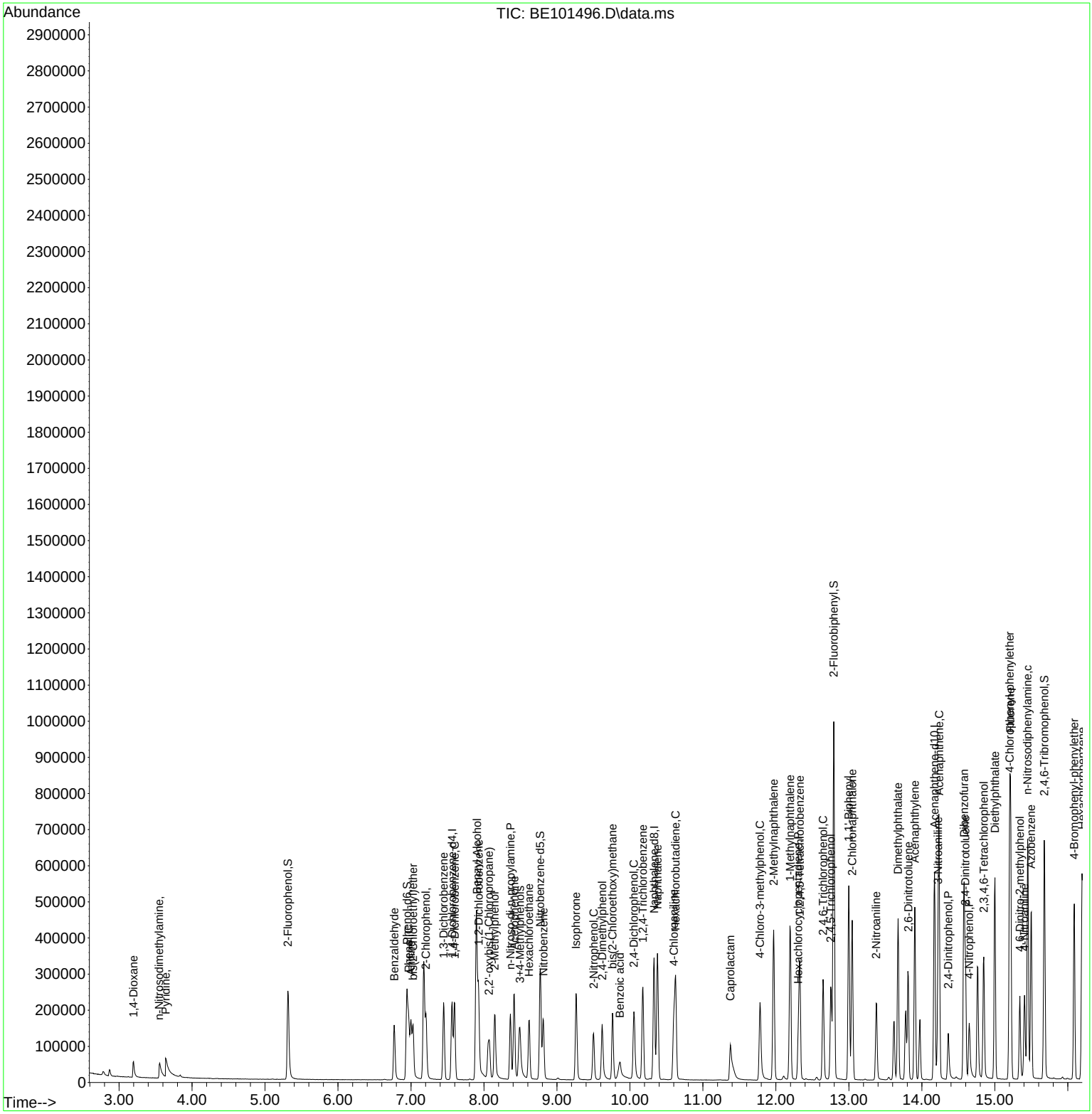
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 23:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



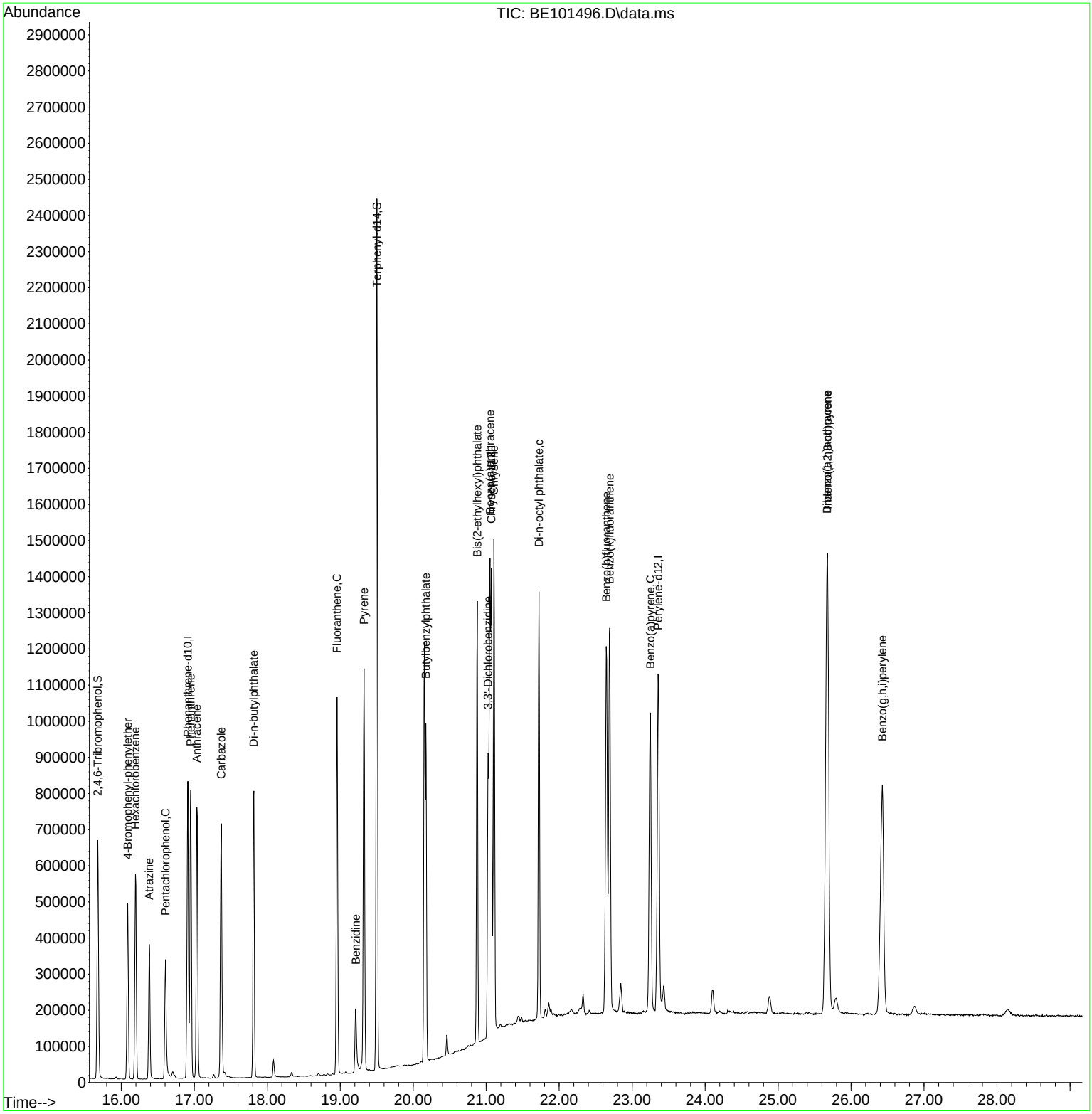
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 06 23:50:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.563	152	65428	20.000	ng		0.00
21) Naphthalene-d8	10.331	136	303330	20.000	ng		0.00
39) Acenaphthene-d10	14.173	164	215457	20.000	ng		0.00
64) Phenanthrene-d10	16.911	188	491742	20.000	ng		0.00
76) Chrysene-d12	21.077	240	550275	20.000	ng		0.00
86) Perylene-d12	23.357	264	716867	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.313	112	288128	77.866	ng		0.00
7) Phenol-d6	6.946	99	403056	79.445	ng		0.00
23) Nitrobenzene-d5	8.774	82	379149	78.953	ng		0.00
42) 2,4,6-Tribromophenol	15.683	330	317793	78.385	ng		0.00
45) 2-Fluorobiphenyl	12.798	172	1037900	78.655	ng		0.00
79) Terphenyl-d14	19.502	244	1985767	79.880	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.192	88	53100	38.561	ng		100
3) Pyridine	3.621	79	151009m	39.308	ng		
4) n-Nitrosodimethylamine	3.544	42	58296	38.331	ng		100
6) Aniline	6.999	93	179040	47.019	ng		100
8) 2-Chlorophenol	7.205	128	172237	39.288	ng		100
9) Benzaldehyde	6.770	77	100349	40.436	ng		100
10) Phenol	6.970	94	217743	39.429	ng		100
11) bis(2-Chloroethyl)ether	7.029	93	152468	33.357	ng		100
12) 1,3-Dichlorobenzene	7.452	146	186373	38.941	ng		100
13) 1,4-Dichlorobenzene	7.599	146	188950	38.978	ng		100
14) 1,2-Dichlorobenzene	7.928	146	185524	38.988	ng		100
15) Benzyl Alcohol	7.898	79	120198	40.558	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.069	45	213049	39.369	ng		100
17) 2-Methylphenol	8.151	107	145652	40.738	ng		100
18) Hexachloroethane	8.615	117	63329	38.684	ng		100
19) n-Nitroso-di-n-propyla...	8.362	70	134354	40.163	ng		100
20) 3+4-Methylphenols	8.486	107	199485	40.239	ng		100
22) Acetophenone	8.415	105	268772	39.126	ng	#	100
24) Nitrobenzene	8.815	77	196271	39.295	ng		100
25) Isophorone	9.267	82	370532	39.648	ng		100
26) 2-Nitrophenol	9.502	139	105465	39.677	ng		100
27) 2,4-Dimethylphenol	9.620	122	119996	39.015	ng		100
28) bis(2-Chloroethoxy)met...	9.761	93	224782	39.293	ng		100
29) 2,4-Dichlorophenol	10.054	162	171951	39.383	ng		100
30) 1,2,4-Trichlorobenzene	10.178	180	188477	38.669	ng		100
31) Naphthalene	10.378	128	596239	38.936	ng		100
32) Benzoic acid	9.896	122	100608	36.895	ng		100
33) 4-Chloroaniline	10.601	127	217302	40.353	ng		100
34) Hexachlorobutadiene	10.624	225	116475	38.771	ng		100
35) Caprolactam	11.394	113	64814m	40.475	ng		
36) 4-Chloro-3-methylphenol	11.788	107	189183	39.679	ng		100
37) 2-Methylnaphthalene	11.970	142	428221	39.371	ng		100
38) 1-Methylnaphthalene	12.199	142	422238	38.928	ng		100
40) 1,2,4,5-Tetrachloroben...	12.328	216	220907	38.889	ng		100
41) Hexachlorocyclopentadiene	12.311	237	71897	43.372	ng		100
43) 2,4,6-Trichlorophenol	12.646	196	154090	39.498	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.757	196	172581	39.708	ng	100
46)	1,1'-Biphenyl	12.998	154	575666	38.734	ng	100
47)	2-Chloronaphthalene	13.045	162	456557	38.949	ng	100
48)	2-Nitroaniline	13.380	65	124293	40.058	ng	100
49)	Acenaphthylene	13.909	152	682392	39.065	ng	100
50)	Dimethylphthalate	13.680	163	598488	39.008	ng	100
51)	2,6-Dinitrotoluene	13.815	165	139657	39.438	ng	100
52)	Acenaphthene	14.238	154	434094	38.942	ng	100
53)	3-Nitroaniline	14.226	138	141201	41.073	ng	100
54)	2,4-Dinitrophenol	14.367	184	83465	40.220	ng	100
55)	Dibenzofuran	14.579	168	696090	38.778	ng	100
56)	4-Nitrophenol	14.655	139	118316	41.679	ng	100
57)	2,4-Dinitrotoluene	14.602	165	198240	39.848	ng	100
58)	Fluorene	15.219	166	587456	39.214	ng	100
59)	2,3,4,6-Tetrachlorophenol	14.849	232	158904	39.512	ng	100
60)	Diethylphthalate	15.002	149	627861	38.811	ng	100
61)	4-Chlorophenyl-phenyle...	15.201	204	296844	39.021	ng	100
62)	4-Nitroaniline	15.413	138	150324	40.586	ng	100
63)	Azobenzene	15.501	77	515255	39.041	ng	100
65)	4,6-Dinitro-2-methylph...	15.348	198	120802	41.385	ng	100
66)	n-Nitrosodiphenylamine	15.454	169	510599	39.126	ng	100
67)	4-Bromophenyl-phenylether	16.089	248	210746	38.857	ng	100
68)	Hexachlorobenzene	16.200	284	277335	38.854	ng	100
69)	Atrazine	16.388	200	167968	43.596	ng	100
70)	Pentachlorophenol	16.606	266	158859	41.018	ng	100
71)	Phenanthrene	16.952	178	926504	38.739	ng	100
72)	Anthracene	17.040	178	927250	39.259	ng	100
73)	Carbazole	17.369	167	924273	39.023	ng	100
74)	Di-n-butylphthalate	17.816	149	1150388	39.330	ng	100
75)	Fluoranthene	18.956	202	1188222	38.749	ng	100
77)	Benzidine	19.214	184	443099	36.010	ng	100
78)	Pyrene	19.326	202	1243784	39.725	ng	100
80)	Butylbenzylphthalate	20.178	149	557747	39.639	ng	100
81)	Benzo(a)anthracene	21.053	228	1287315	39.390	ng	100
82)	3,3'-Dichlorobenzidine	21.030	252	516633	40.158	ng	100
83)	Chrysene	21.112	228	1228522	39.549	ng	100
84)	Bis(2-ethylhexyl)phtha...	20.877	149	836274	39.312	ng	100
85)	Di-n-octyl phthalate	21.723	149	1413042	39.264	ng	100
87)	Indeno(1,2,3-cd)pyrene	25.695	276	1931431	39.206	ng	100
88)	Benzo(b)fluoranthene	22.651	252	1513421	38.480	ng	100
89)	Benzo(k)fluoranthene	22.698	252	1401039	39.241	ng	100
90)	Benzo(a)pyrene	23.251	252	1326960	39.080	ng	100
91)	Dibenzo(a,h)anthracene	25.683	278	1617066	39.414	ng	100
92)	Benzo(g,h,i)perylene	26.441	276	1624063	38.963	ng	100

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

ICAL Form

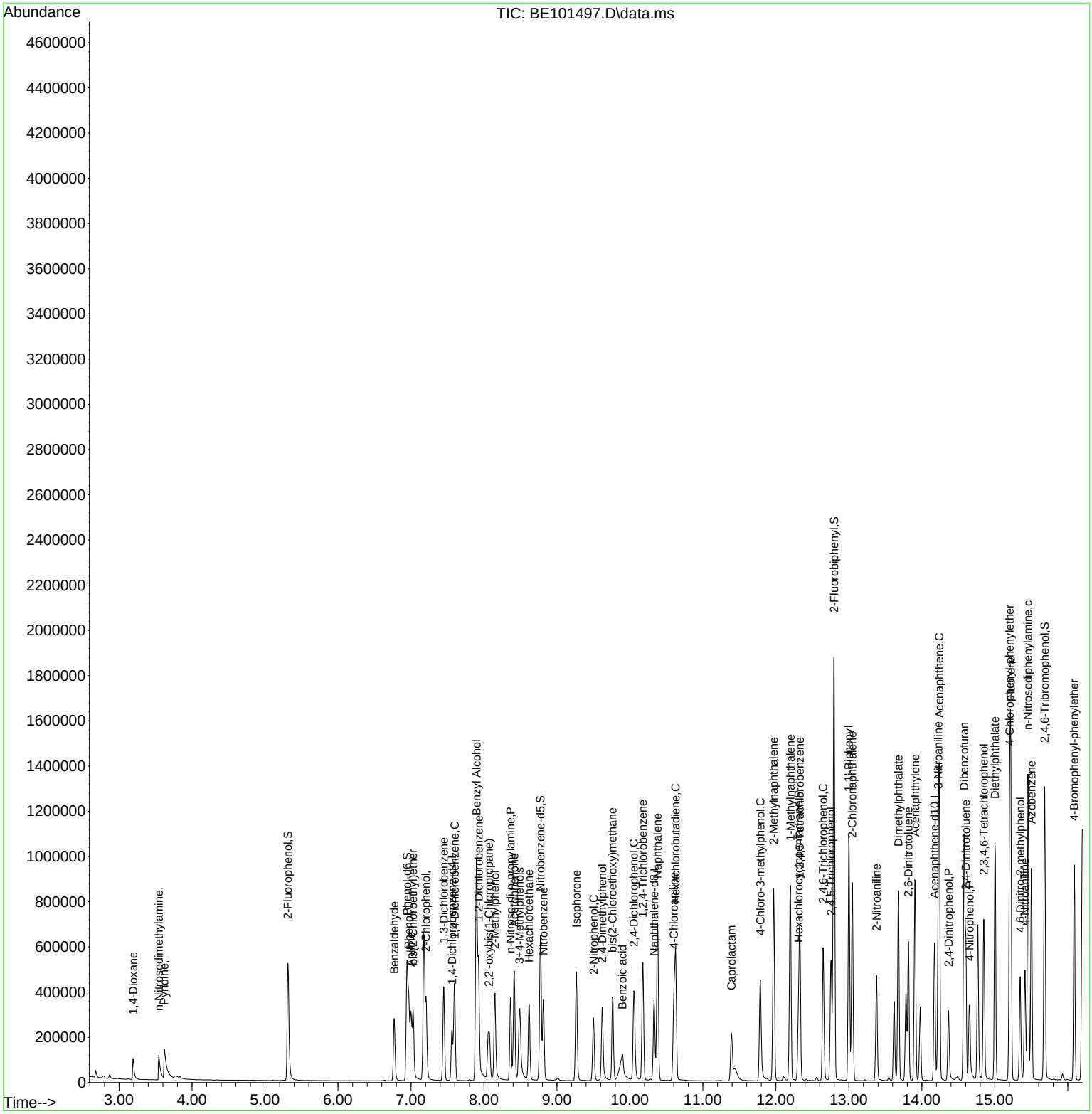
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 06 23:52:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
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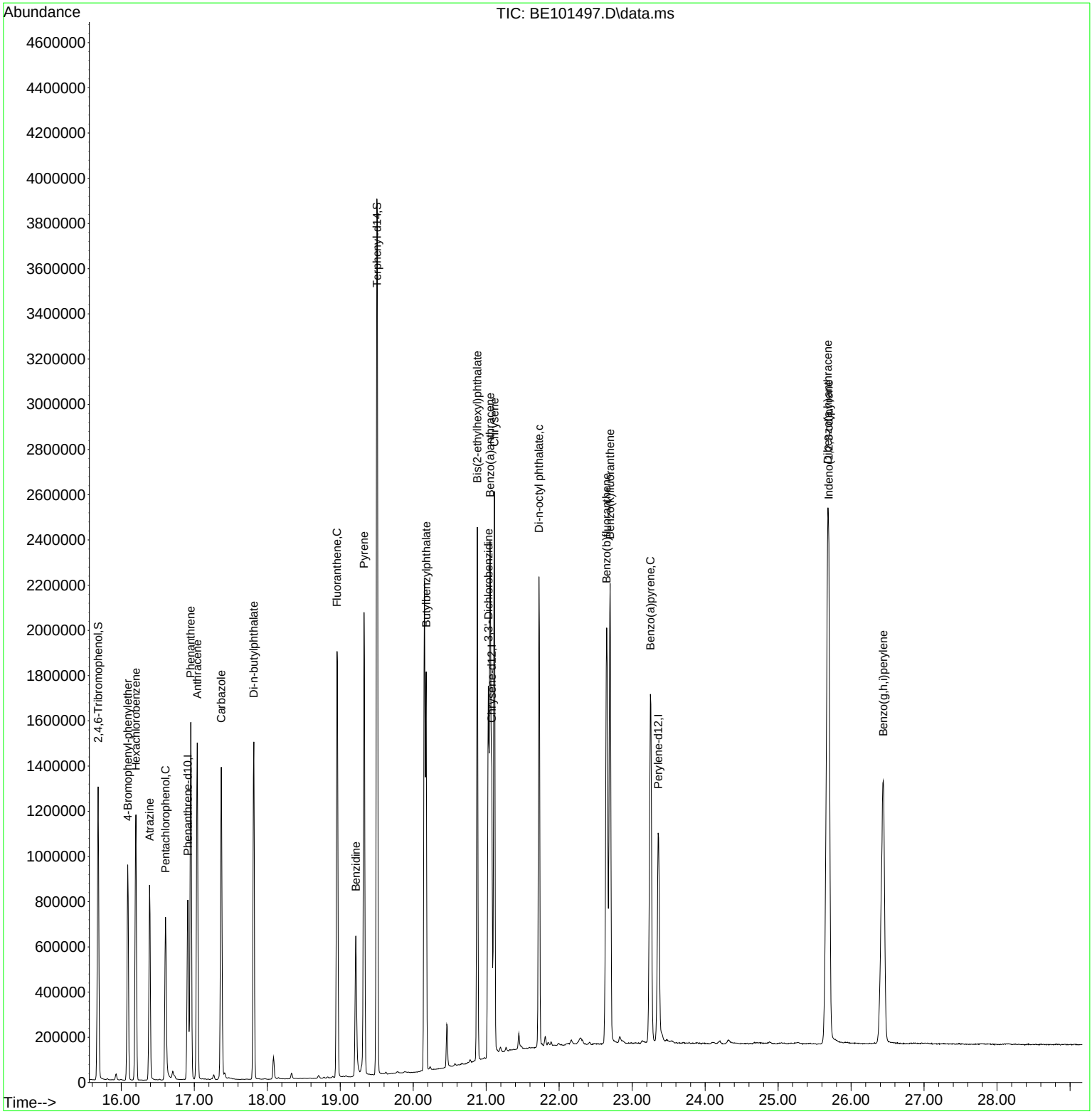
Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:53:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.561	152	91095	20.000	ng		0.00
21) Naphthalene-d8	10.334	136	420546	20.000	ng		0.00
39) Acenaphthene-d10	14.177	164	294714	20.000	ng		0.00
64) Phenanthrene-d10	16.915	188	651829	20.000	ng		0.00
76) Chrysene-d12	21.075	240	698124	20.000	ng		0.00
86) Perylene-d12	23.360	264	907393	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.317	112	507391	98.486	ng		0.00
7) Phenol-d6	6.950	99	715571	101.303	ng		0.00
23) Nitrobenzene-d5	8.777	82	669237	100.518	ng		0.00
42) 2,4,6-Tribromophenol	15.687	330	535740	96.606	ng		0.00
45) 2-Fluorobiphenyl	12.802	172	1709745	94.725	ng		0.00
79) Terphenyl-d14	19.506	244	2857301	90.597	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.190	88	86138	44.928	ng		99
3) Pyridine	3.613	79	271363m	50.734	ng		
4) n-Nitrosodimethylamine	3.537	42	104883	49.532	ng		97
6) Aniline	7.003	93	233770	44.094	ng		100
8) 2-Chlorophenol	7.209	128	304216	49.841	ng		99
9) Benzaldehyde	6.768	77	149018	43.128	ng		98
10) Phenol	6.974	94	389135	50.610	ng		99
11) bis(2-Chloroethyl)ether	7.032	93	329221	51.732	ng		98
12) 1,3-Dichlorobenzene	7.450	146	321129	48.192	ng		99
13) 1,4-Dichlorobenzene	7.596	146	327207	48.480	ng		99
14) 1,2-Dichlorobenzene	7.926	146	322412	48.664	ng		99
15) Benzyl Alcohol	7.902	79	218205	52.883	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.072	45	369966	49.103	ng		99
17) 2-Methylphenol	8.155	107	255685	51.364	ng		98
18) Hexachloroethane	8.619	117	112465	49.341	ng		98
19) n-Nitroso-di-n-propyla...	8.372	70	238326	51.171	ng		99
20) 3+4-Methylphenols	8.490	107	354774	51.400	ng		99
22) Acetophenone	8.419	105	469557	49.302	ng	#	99
24) Nitrobenzene	8.819	77	345554	49.900	ng		100
25) Isophorone	9.271	82	649442	50.124	ng		100
26) 2-Nitrophenol	9.500	139	190923	51.807	ng		99
27) 2,4-Dimethylphenol	9.624	122	215719	50.589	ng		99
28) bis(2-Chloroethoxy)met...	9.765	93	394162	49.697	ng		100
29) 2,4-Dichlorophenol	10.058	162	308633	50.986	ng		99
30) 1,2,4-Trichlorobenzene	10.176	180	328828	48.661	ng		99
31) Naphthalene	10.381	128	1033552	48.682	ng		100
32) Benzoic acid	9.935	122	200828	50.078	ng		99
33) 4-Chloroaniline	10.611	127	374148	50.114	ng		98
34) Hexachlorobutadiene	10.628	225	205479	49.334	ng		98
35) Caprolactam	11.421	113	111070m	50.028	ng		
36) 4-Chloro-3-methylphenol	11.792	107	334516	50.606	ng		99
37) 2-Methylnaphthalene	11.974	142	741321	49.161	ng		98
38) 1-Methylnaphthalene	12.197	142	733235	48.758	ng		99
40) 1,2,4,5-Tetrachloroben...	12.332	216	382507	49.228	ng		100
41) Hexachlorocyclopentadiene	12.309	237	128897	56.847	ng		98
43) 2,4,6-Trichlorophenol	12.649	196	265972	49.842	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:53:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.755	196	302473	50.879	ng		98
46) 1,1'-Biphenyl	13.002	154	990577	48.727	ng		99
47) 2-Chloronaphthalene	13.049	162	784561	48.931	ng		99
48) 2-Nitroaniline	13.384	65	220977	52.065	ng		99
49) Acenaphthylene	13.907	152	1168645	48.909	ng		99
50) Dimethylphthalate	13.689	163	1007892	48.026	ng		99
51) 2,6-Dinitrotoluene	13.824	165	241242	49.804	ng		98
52) Acenaphthene	14.242	154	733889	48.131	ng		100
53) 3-Nitroaniline	14.230	138	238076	50.629	ng		97
54) 2,4-Dinitrophenol	14.371	184	153156	53.956	ng		98
55) Dibenzofuran	14.582	168	1172466	47.751	ng		98
56) 4-Nitrophenol	14.659	139	201601	51.919	ng		98
57) 2,4-Dinitrotoluene	14.606	165	340766	50.076	ng		99
58) Fluorene	15.223	166	978319	47.743	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.853	232	272447	49.527	ng		99
60) Diethylphthalate	15.011	149	1062117	47.998	ng		99
61) 4-Chlorophenyl-phenyle...	15.205	204	500724	48.121	ng		99
62) 4-Nitroaniline	15.423	138	261365	51.589	ng		99
63) Azobenzene	15.505	77	871780	48.291	ng		99
65) 4,6-Dinitro-2-methylph...	15.352	198	214210	55.361	ng		99
66) n-Nitrosodiphenylamine	15.464	169	857158	49.551	ng		99
67) 4-Bromophenyl-phenylether	16.092	248	359667	50.029	ng		98
68) Hexachlorobenzene	16.204	284	468408	49.506	ng		99
69) Atrazine	16.392	200	197336	38.639	ng		99
70) Pentachlorophenol	16.609	266	272040	52.991	ng		99
71) Phenanthrene	16.956	178	1526029	48.135	ng		100
72) Anthracene	17.044	178	1518459	48.501	ng		99
73) Carbazole	17.373	167	1504975	47.935	ng		98
74) Di-n-butylphthalate	17.820	149	1837620	47.396	ng		99
75) Fluoranthene	18.960	202	1885849	46.395	ng		99
77) Benzidine	19.224	184	1144629	73.321	ng		100
78) Pyrene	19.330	202	1962930	49.416	ng		98
80) Butylbenzylphthalate	20.176	149	873276	48.920	ng		98
81) Benzo(a)anthracene	21.057	228	1985312	47.883	ng		98
82) 3,3'-Dichlorobenzidine	21.034	252	833578	51.072	ng		99
83) Chrysene	21.116	228	1875257	47.584	ng		99
84) Bis(2-ethylhexyl)phtha...	20.881	149	1287632	47.710	ng	#	97
85) Di-n-octyl phthalate	21.727	149	2140362	46.878	ng		100
87) Indeno(1,2,3-cd)pyrene	25.711	276	3044286	48.821	ng		100
88) Benzo(b)fluoranthene	22.655	252	2388668	47.982	ng		99
89) Benzo(k)fluoranthene	22.702	252	2191941	48.502	ng		99
90) Benzo(a)pyrene	23.260	252	2093708	48.714	ng		99
91) Dibenzo(a,h)anthracene	25.699	278	2519176	48.510	ng		100
92) Benzo(g,h,i)perylene	26.457	276	2604721	49.369	ng		100

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

ICAL Form

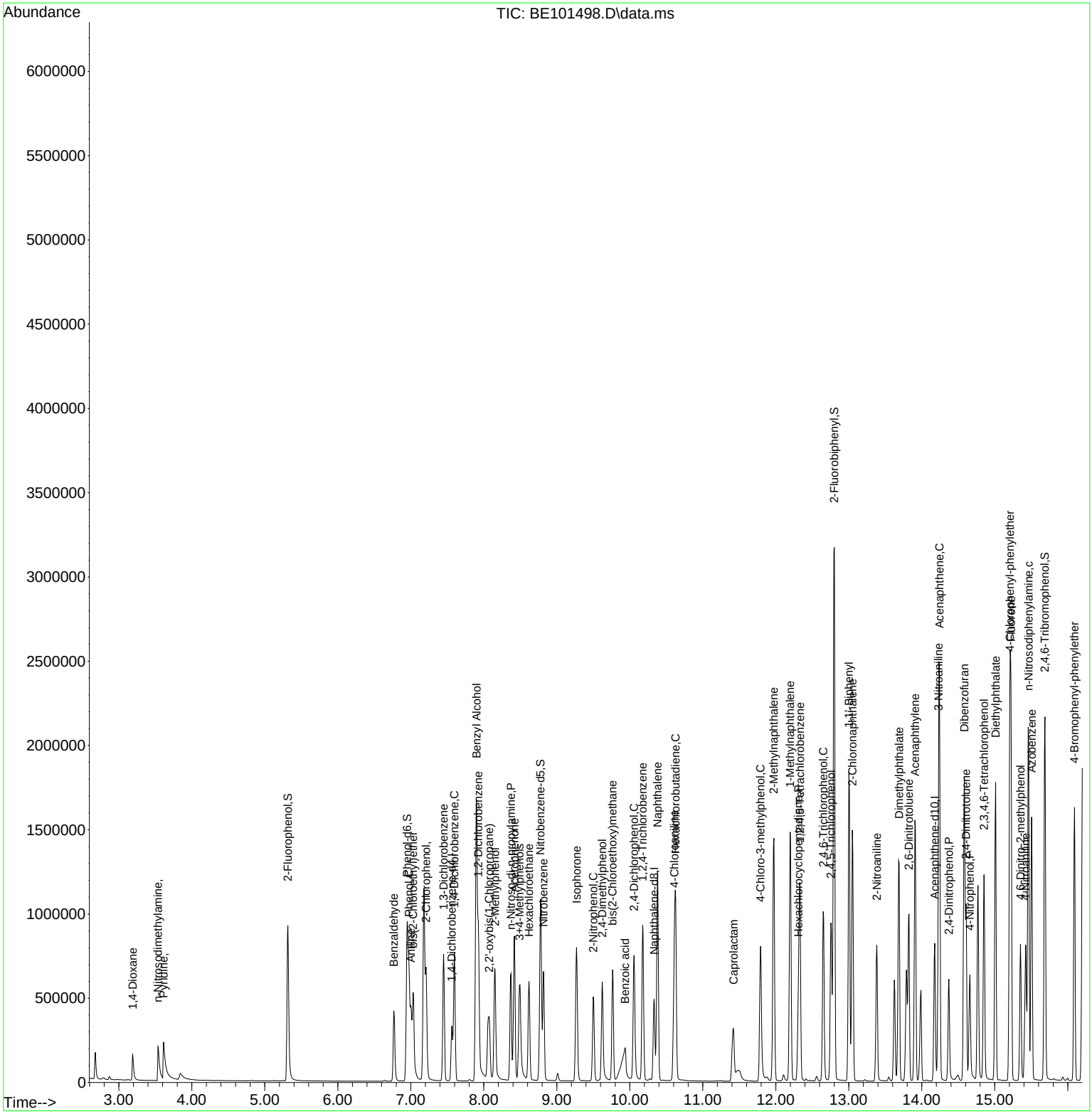
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 23:53:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

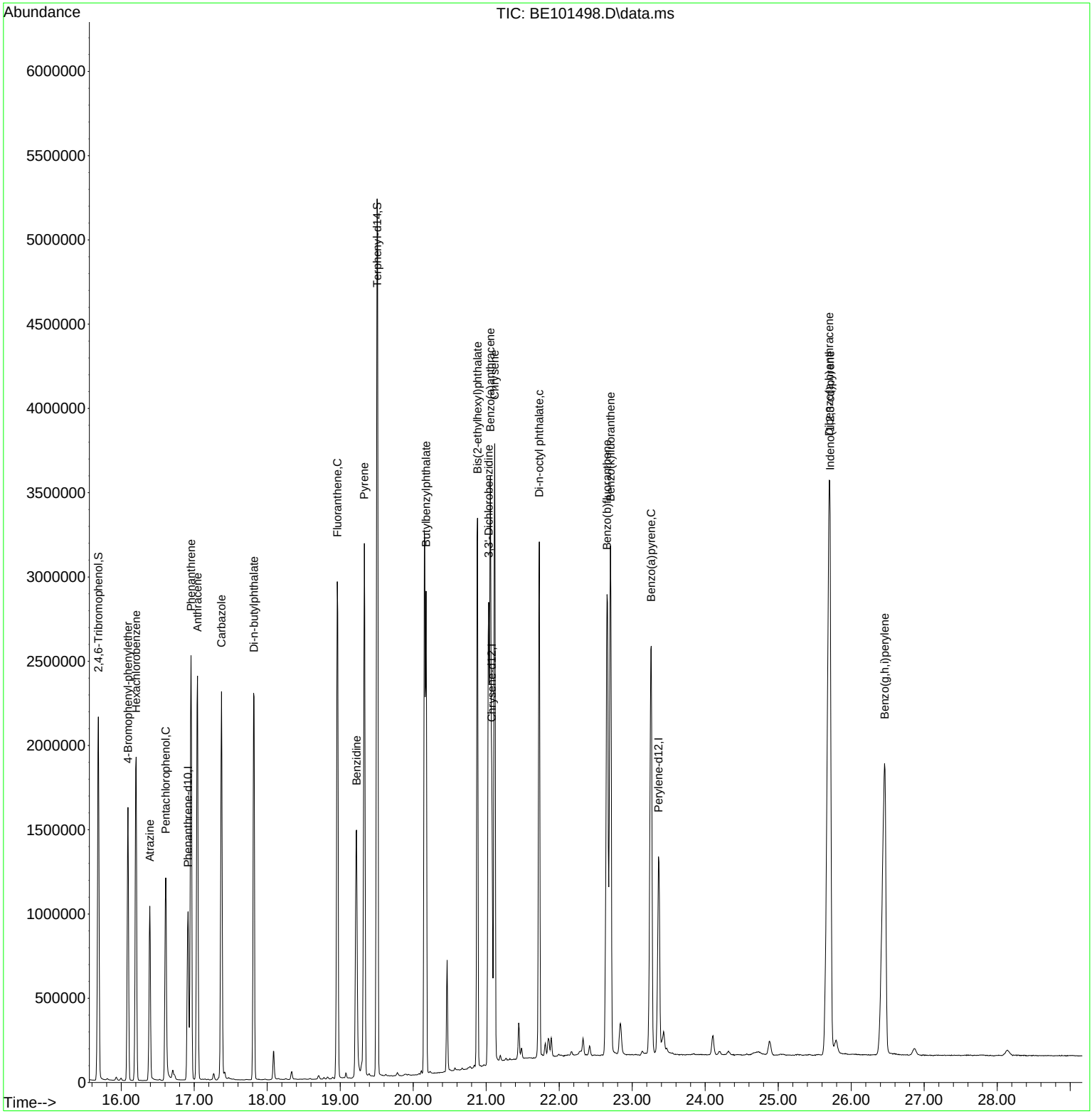
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 06 23:53:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.565	152	90839	20.000	ng		0.00
21) Naphthalene-d8	10.332	136	415661	20.000	ng		0.00
39) Acenaphthene-d10	14.175	164	288453	20.000	ng		0.00
64) Phenanthrene-d10	16.913	188	643327	20.000	ng		0.00
76) Chrysene-d12	21.079	240	691975	20.000	ng		0.00
86) Perylene-d12	23.364	264	897873	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.315	112	631877	122.995	ng		0.00
7) Phenol-d6	6.954	99	881551	125.152	ng		0.00
23) Nitrobenzene-d5	8.781	82	811523	123.321	ng		0.00
42) 2,4,6-Tribromophenol	15.691	330	649405	119.644	ng		0.00
45) 2-Fluorobiphenyl	12.800	172	2012001	113.890	ng		0.00
79) Terphenyl-d14	19.510	244	3240402	103.657	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.194	88	107275	56.111	ng		99
3) Pyridine	3.611	79	335162m	62.839	ng		
4) n-Nitrosodimethylamine	3.540	42	128959	61.073	ng		98
6) Aniline	7.001	93	284519	53.818	ng		95
8) 2-Chlorophenol	7.213	128	371716	61.071	ng		100
9) Benzaldehyde	6.772	77	174409	50.619	ng		100
10) Phenol	6.978	94	480739	62.700	ng		98
11) bis(2-Chloroethyl)ether	7.036	93	394203	62.117	ng		99
12) 1,3-Dichlorobenzene	7.453	146	391650	58.941	ng		100
13) 1,4-Dichlorobenzene	7.600	146	399059	59.292	ng		99
14) 1,2-Dichlorobenzene	7.929	146	390950	59.175	ng		100
15) Benzyl Alcohol	7.906	79	266179	64.691	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.070	45	445906	59.349	ng		99
17) 2-Methylphenol	8.153	107	316837	63.828	ng		100
18) Hexachloroethane	8.617	117	136504	60.057	ng		99
19) n-Nitroso-di-n-propyla...	8.376	70	287987	62.008	ng		99
20) 3+4-Methylphenols	8.493	107	437786	63.605	ng		99
22) Acetophenone	8.423	105	567981	60.338	ng	#	99
24) Nitrobenzene	8.822	77	421600	61.597	ng		100
25) Isophorone	9.275	82	786152	61.388	ng		99
26) 2-Nitrophenol	9.504	139	232694	63.884	ng		100
27) 2,4-Dimethylphenol	9.627	122	264403	62.735	ng		98
28) bis(2-Chloroethoxy)met...	9.768	93	475374	60.641	ng		100
29) 2,4-Dichlorophenol	10.062	162	376879	62.992	ng		98
30) 1,2,4-Trichlorobenzene	10.180	180	399771	59.854	ng		99
31) Naphthalene	10.379	128	1251339	59.632	ng		99
32) Benzoic acid	9.956	122	252404	61.799	ng		97
33) 4-Chloroaniline	10.614	127	450607	61.064	ng		98
34) Hexachlorobutadiene	10.626	225	246491	59.876	ng		99
35) Caprolactam	11.431	113	138435m	63.087	ng		
36) 4-Chloro-3-methylphenol	11.795	107	407653	62.395	ng		100
37) 2-Methylnaphthalene	11.972	142	891616	59.822	ng		99
38) 1-Methylnaphthalene	12.201	142	886387	59.635	ng		100
40) 1,2,4,5-Tetrachloroben...	12.330	216	463055	60.888	ng		100
41) Hexachlorocyclopentadiene	12.312	237	153986	69.386	ng		98
43) 2,4,6-Trichlorophenol	12.653	196	325669	62.354	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.759	196	367820	63.214	ng	99
46)	1,1'-Biphenyl	13.006	154	1182260	59.418	ng	98
47)	2-Chloronaphthalene	13.053	162	943815	60.141	ng	98
48)	2-Nitroaniline	13.388	65	270091	65.018	ng	100
49)	Acenaphthylene	13.911	152	1409914	60.288	ng	99
50)	Dimethylphthalate	13.687	163	1214282	59.116	ng	99
51)	2,6-Dinitrotoluene	13.828	165	292512	61.700	ng	96
52)	Acenaphthene	14.245	154	870986	58.363	ng	100
53)	3-Nitroaniline	14.234	138	288330	62.646	ng	99
54)	2,4-Dinitrophenol	14.375	184	190052	68.407	ng	98
55)	Dibenzofuran	14.586	168	1409742	58.661	ng	99
56)	4-Nitrophenol	14.663	139	255253	67.163	ng	98
57)	2,4-Dinitrotoluene	14.610	165	416878	62.590	ng	99
58)	Fluorene	15.221	166	1166027	58.138	ng	99
59)	2,3,4,6-Tetrachlorophenol	14.857	232	329672	61.230	ng	99
60)	Diethylphthalate	15.015	149	1263117	58.321	ng	98
61)	4-Chlorophenyl-phenyle...	15.209	204	598677	58.783	ng	100
62)	4-Nitroaniline	15.432	138	316417	63.811	ng	99
63)	Azobenzene	15.509	77	1040817	58.905	ng	98
65)	4,6-Dinitro-2-methylph...	15.356	198	262062	68.624	ng	99
66)	n-Nitrosodiphenylamine	15.462	169	1028084	60.217	ng	100
67)	4-Bromophenyl-phenylether	16.096	248	434591	61.249	ng	96
68)	Hexachlorobenzene	16.202	284	566929	60.711	ng	98
69)	Atrazine	16.396	200	260631	51.707	ng	98
70)	Pentachlorophenol	16.613	266	339404	66.986	ng	99
71)	Phenanthrene	16.960	178	1827469	58.405	ng	100
72)	Anthracene	17.042	178	1830883	59.253	ng	99
73)	Carbazole	17.377	167	1828275	59.002	ng	98
74)	Di-n-butylphthalate	17.818	149	2163927	56.549	ng	98
75)	Fluoranthene	18.963	202	2235797	55.731	ng	98
77)	Benzidine	19.222	184	1043586	67.443	ng	99
78)	Pyrene	19.334	202	2319401	58.909	ng	97
80)	Butylbenzylphthalate	20.180	149	1048588	59.263	ng	98
81)	Benzo(a)anthracene	21.055	228	2320150	56.456	ng	97
82)	3,3'-Dichlorobenzidine	21.032	252	969247	59.912	ng	99
83)	Chrysene	21.120	228	2180274	55.815	ng	98
84)	Bis(2-ethylhexyl)phtha...	20.879	149	1522250	56.905	ng	97
85)	Di-n-octyl phthalate	21.725	149	2496636	55.167	ng	100
87)	Indeno(1,2,3-cd)pyrene	25.720	276	3656352	59.258	ng	100
88)	Benzo(b)fluoranthene	22.659	252	2890510	58.678	ng	99
89)	Benzo(k)fluoranthene	22.706	252	2522912	56.418	ng	99
90)	Benzo(a)pyrene	23.264	252	2508694	58.988	ng	99
91)	Dibenzo(a,h)anthracene	25.709	278	3012923	58.633	ng	100
92)	Benzo(g,h,i)perylene	26.466	276	3129136	59.937	ng	99

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

ICAL Form

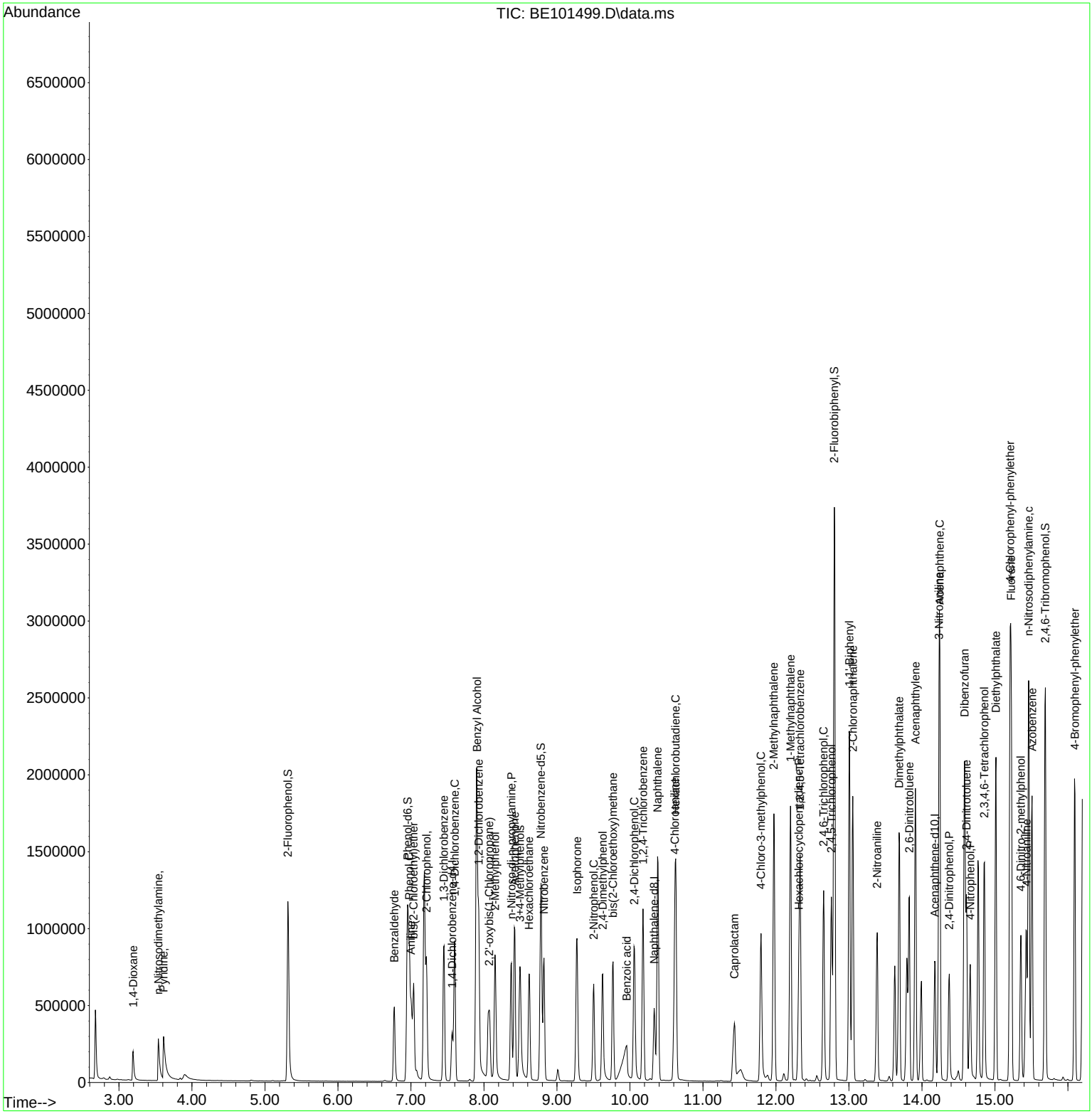
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 23:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

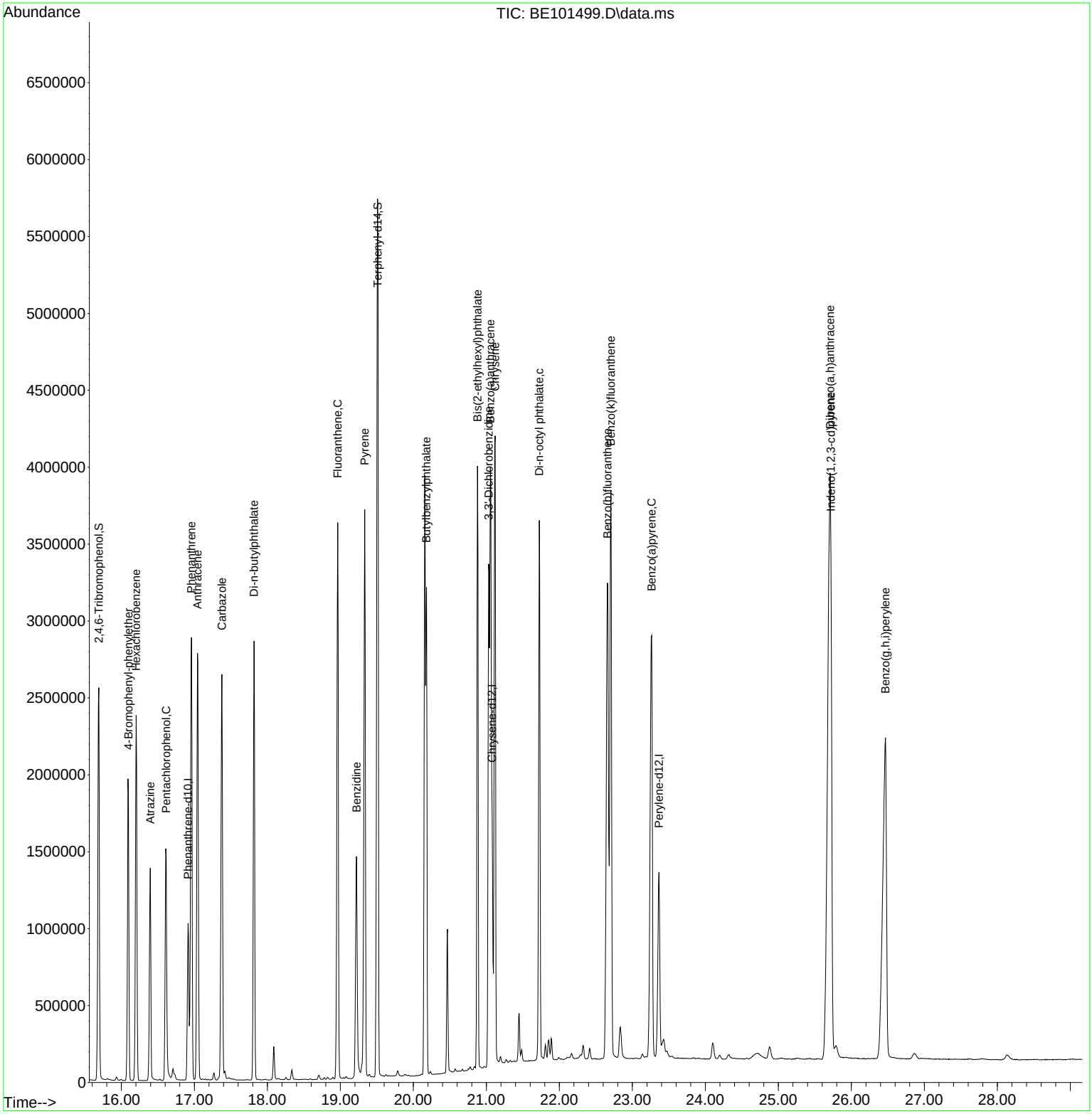
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 06 23:54:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.563	152	87885	20.000	ng		0.00
21) Naphthalene-d8	10.336	136	393569	20.000	ng		0.00
39) Acenaphthene-d10	14.179	164	266849	20.000	ng		0.00
64) Phenanthrene-d10	16.917	188	591022	20.000	ng		0.00
76) Chrysene-d12	21.083	240	646333	20.000	ng		0.00
86) Perylene-d12	23.362	264	861007	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.319	112	792721	159.489	ng		0.00
7) Phenol-d6	6.958	99	1090529	160.024	ng		0.01
23) Nitrobenzene-d5	8.785	82	985521	158.169	ng		0.01
42) 2,4,6-Tribromophenol	15.695	330	763174	151.988	ng		0.01
45) 2-Fluorobiphenyl	12.804	172	2348698	143.713	ng		0.00
79) Terphenyl-d14	19.514	244	3657495	125.262	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.192	88	132821	71.808	ng		99
3) Pyridine	3.609	79	416786m	80.769	ng		
4) n-Nitrosodimethylamine	3.538	42	163173	79.874	ng		98
6) Aniline	7.005	93	288050	56.317	ng		95
8) 2-Chlorophenol	7.216	128	465269	79.011	ng		99
9) Benzaldehyde	6.770	77	190543	57.161	ng		100
10) Phenol	6.981	94	579806	78.163	ng		98
11) bis(2-Chloroethyl)ether	7.040	93	526156m	85.697	ng		
12) 1,3-Dichlorobenzene	7.452	146	484934	75.432	ng		100
13) 1,4-Dichlorobenzene	7.598	146	496300	76.219	ng		99
14) 1,2-Dichlorobenzene	7.927	146	484414	75.787	ng		99
15) Benzyl Alcohol	7.910	79	325630	81.800	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.074	45	550972	75.797	ng		100
17) 2-Methylphenol	8.157	107	394719	82.191	ng		99
18) Hexachloroethane	8.621	117	169920	77.271	ng		97
19) n-Nitroso-di-n-propyla...	8.374	70	350712	78.051	ng		99
20) 3+4-Methylphenols	8.497	107	538008	80.794	ng		97
22) Acetophenone	8.421	105	696705	78.167	ng	#	100
24) Nitrobenzene	8.826	77	520072	80.249	ng		99
25) Isophorone	9.273	82	951791	78.494	ng		99
26) 2-Nitrophenol	9.502	139	287810	83.451	ng		99
27) 2,4-Dimethylphenol	9.625	122	324765	81.383	ng		99
28) bis(2-Chloroethoxy)met...	9.766	93	581207	78.303	ng		99
29) 2,4-Dichlorophenol	10.060	162	462923	81.717	ng		99
30) 1,2,4-Trichlorobenzene	10.178	180	491943	77.789	ng		99
31) Naphthalene	10.383	128	1523338	76.669	ng		99
32) Benzoic acid	9.972	122	318691	80.102	ng		97
33) 4-Chloroaniline	10.618	127	525392	75.195	ng		98
34) Hexachlorobutadiene	10.630	225	303206	77.787	ng		98
35) Caprolactam	11.447	113	165929m	79.860	ng		
36) 4-Chloro-3-methylphenol	11.799	107	498667	80.610	ng		99
37) 2-Methylnaphthalene	11.976	142	1076148	76.256	ng		98
38) 1-Methylnaphthalene	12.205	142	1068220	75.902	ng		99
40) 1,2,4,5-Tetrachloroben...	12.334	216	560134	79.616	ng		100
41) Hexachlorocyclopentadiene	12.310	237	182012	88.654	ng		98
43) 2,4,6-Trichlorophenol	12.657	196	393917	81.527	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.763	196	443094	82.315	ng		99
46) 1,1'-Biphenyl	13.010	154	1408589	76.525	ng		98
47) 2-Chloronaphthalene	13.057	162	1130911	77.897	ng		98
48) 2-Nitroaniline	13.386	65	322579	83.940	ng		98
49) Acenaphthylene	13.915	152	1670845	77.229	ng		98
50) Dimethylphthalate	13.691	163	1443483	75.964	ng		99
51) 2,6-Dinitrotoluene	13.832	165	351068	80.046	ng		96
52) Acenaphthene	14.244	154	1027003	74.388	ng		99
53) 3-Nitroaniline	14.238	138	334967	78.671	ng		96
54) 2,4-Dinitrophenol	14.379	184	232097	90.304	ng		98
55) Dibenzofuran	14.584	168	1674087	75.300	ng		97
56) 4-Nitrophenol	14.667	139	310060	88.189	ng		99
57) 2,4-Dinitrotoluene	14.614	165	497866	80.801	ng		99
58) Fluorene	15.225	166	1357969	73.190	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.855	232	396992	79.703	ng		100
60) Diethylphthalate	15.013	149	1491516	74.442	ng		98
61) 4-Chlorophenyl-phenyle...	15.207	204	700996	74.402	ng		98
62) 4-Nitroaniline	15.436	138	382870	83.463	ng		99
63) Azobenzene	15.507	77	1230254	75.264	ng		99
65) 4,6-Dinitro-2-methylph...	15.360	198	319525	91.076	ng		99
66) n-Nitrosodiphenylamine	15.466	169	1203171	76.709	ng		99
67) 4-Bromophenyl-phenylether	16.094	248	517626	79.408	ng		100
68) Hexachlorobenzene	16.206	284	669652	78.058	ng		99
69) Atrazine	16.400	200	306249	66.134	ng		98
70) Pentachlorophenol	16.611	266	414939	89.142	ng		99
71) Phenanthrene	16.964	178	2129724	74.089	ng		99
72) Anthracene	17.046	178	2098096	73.910	ng		97
73) Carbazole	17.375	167	2125374	74.660	ng		97
74) Di-n-butylphthalate	17.822	149	2523825	71.791	ng		98
75) Fluoranthene	18.967	202	2590854	70.297	ng		98
77) Benzidine	19.220	184	1136732	78.650	ng		99
78) Pyrene	19.338	202	2679442	72.859	ng		97
80) Butylbenzylphthalate	20.178	149	1225752	74.168	ng		96
81) Benzo(a)anthracene	21.059	228	2689718	70.070	ng		96
82) 3,3'-Dichlorobenzidine	21.036	252	1134917	75.107	ng		99
83) Chrysene	21.118	228	2530820	69.364	ng		96
84) Bis(2-ethylhexyl)phtha...	20.883	149	1773835	70.992	ng	#	96
85) Di-n-octyl phthalate	21.729	149	2894015	68.464	ng		99
87) Indeno(1,2,3-cd)pyrene	25.730	276	4442725	75.086	ng		100
88) Benzo(b)fluoranthene	22.663	252	3491271	73.908	ng		98
89) Benzo(k)fluoranthene	22.710	252	2925504	68.222	ng		98
90) Benzo(a)pyrene	23.268	252	3021625	74.091	ng		99
91) Dibenzo(a,h)anthracene	25.718	278	3606206	73.183	ng		100
92) Benzo(g,h,i)perylene	26.476	276	3833323	76.570	ng		99

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

ICAL Form

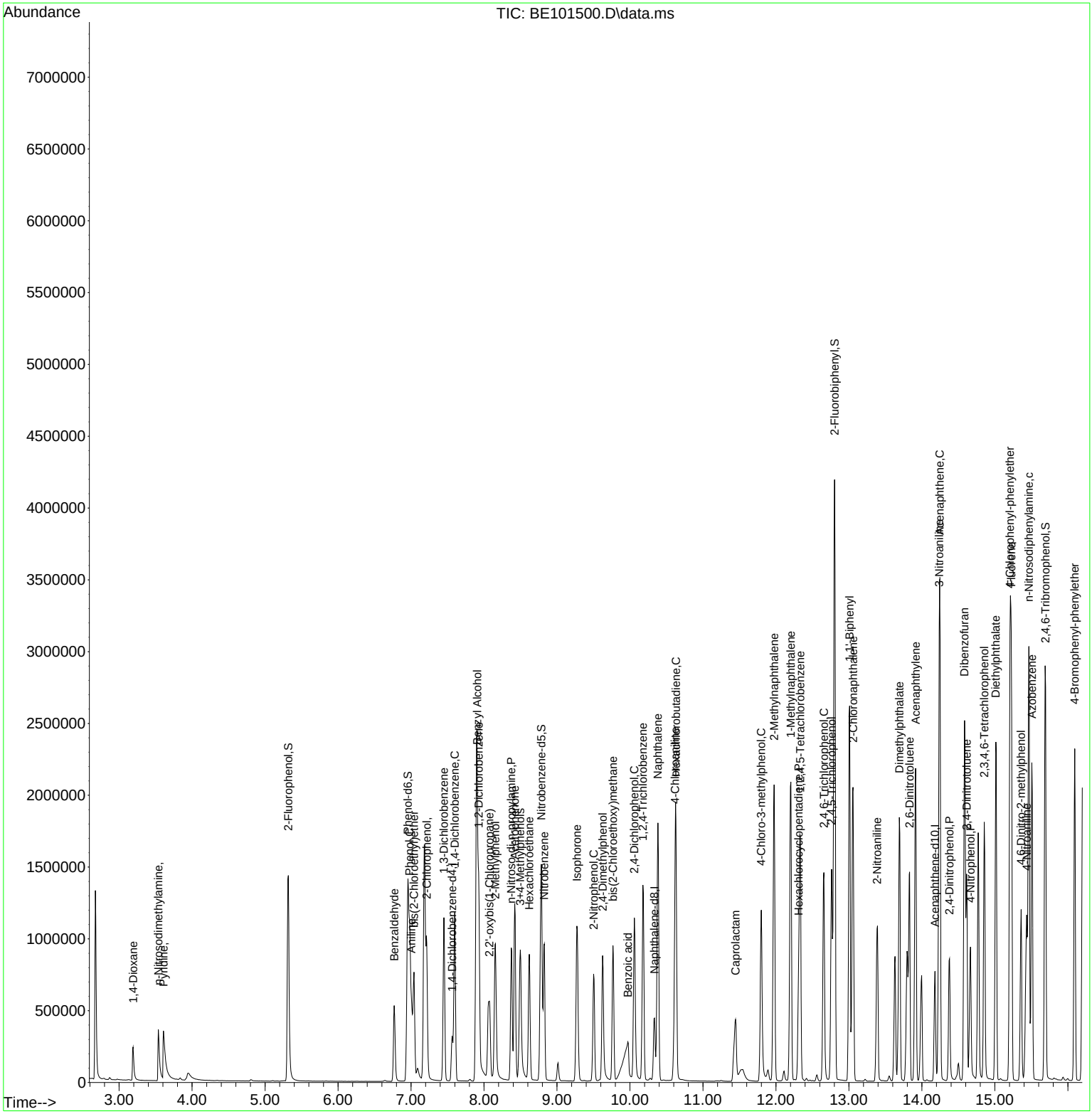
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

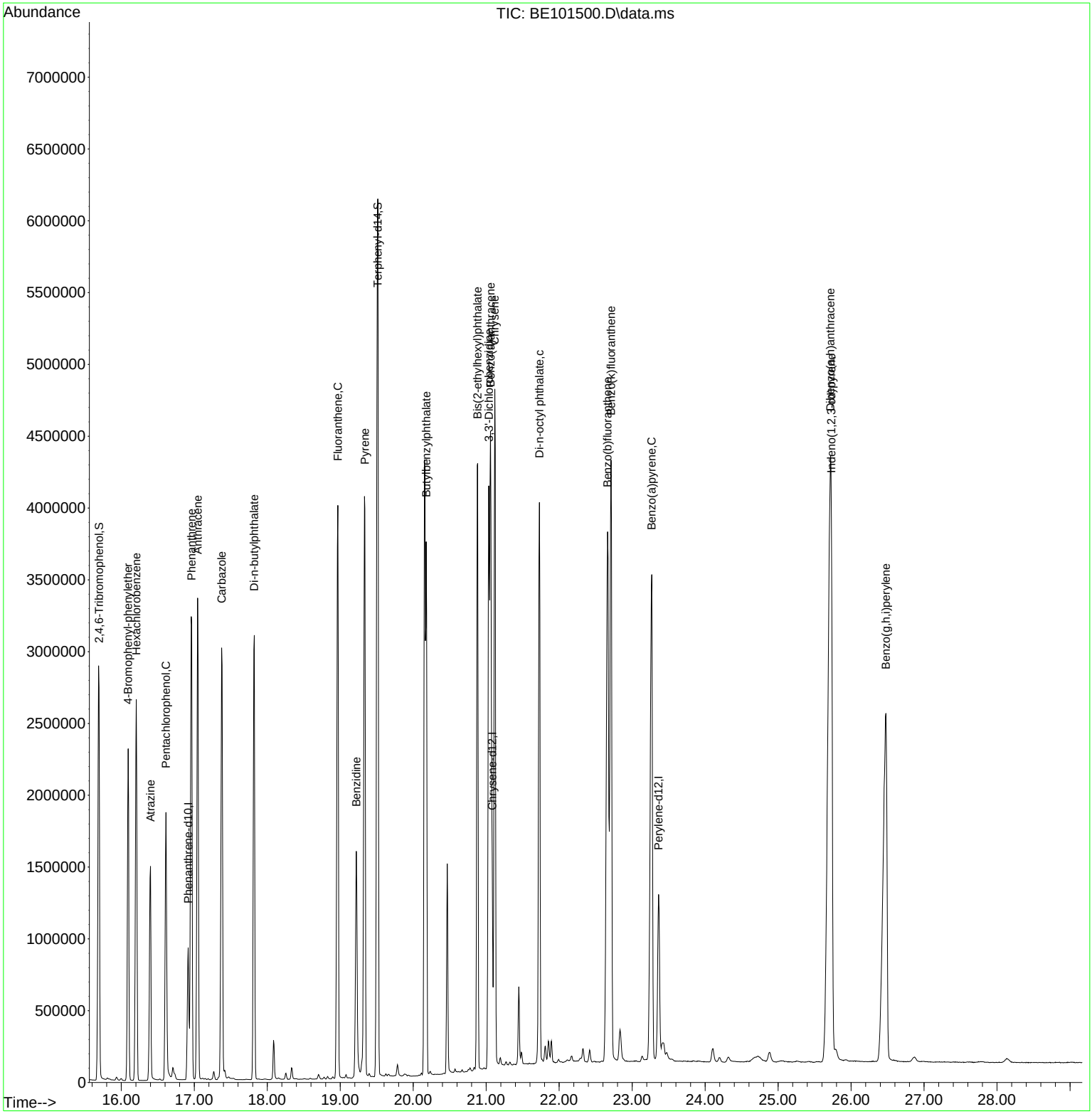
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:45:11 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.565	152	66495	20.000	ng		0.00
21) Naphthalene-d8	10.332	136	305529	20.000	ng		0.00
39) Acenaphthene-d10	14.174	164	214125	20.000	ng		0.00
64) Phenanthrene-d10	16.912	188	492741	20.000	ng		0.00
76) Chrysene-d12	21.072	240	575039	20.000	ng		0.00
86) Perylene-d12	23.358	264	751306	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.314	112	295905	78.684	ng		0.00
7) Phenol-d6	6.948	99	408365	79.200	ng		0.00
23) Nitrobenzene-d5	8.775	82	384623	79.517	ng		0.00
42) 2,4,6-Tribromophenol	15.684	330	318753	79.111	ng		0.00
45) 2-Fluorobiphenyl	12.800	172	1043690	79.586	ng		0.00
79) Terphenyl-d14	19.503	244	2033696	78.285	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.193	88	55275	39.497	ng		100
3) Pyridine	3.616	79	151841m	38.795	ng		
4) n-Nitrosodimethylamine	3.540	42	60866	39.271	ng		99
6) Aniline	7.000	93	170754	44.123	ng		99
8) 2-Chlorophenol	7.206	128	175134	39.308	ng		99
9) Benzaldehyde	6.765	77	111557	44.231	ng		98
10) Phenol	6.971	94	225186	40.122	ng		99
11) bis(2-Chloroethyl)ether	7.030	93	170339m	36.662	ng		
12) 1,3-Dichlorobenzene	7.447	146	189336	38.925	ng		98
13) 1,4-Dichlorobenzene	7.594	146	190702	38.708	ng		99
14) 1,2-Dichlorobenzene	7.923	146	188221	38.920	ng		99
15) Benzyl Alcohol	7.905	79	122453	40.656	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.064	45	214663	39.031	ng		99
17) 2-Methylphenol	8.152	107	149753	41.213	ng		98
18) Hexachloroethane	8.616	117	65058	39.102	ng		98
19) n-Nitroso-di-n-propyla...	8.364	70	135908	39.976	ng		98
20) 3+4-Methylphenols	8.487	107	202548	40.202	ng		99
22) Acetophenone	8.416	105	271118	39.183	ng	#	99
24) Nitrobenzene	8.816	77	199671	39.688	ng		99
25) Isophorone	9.263	82	373587	39.688	ng		98
26) 2-Nitrophenol	9.503	139	107373	40.104	ng		97
27) 2,4-Dimethylphenol	9.621	122	121865	39.338	ng		99
28) bis(2-Chloroethoxy)met...	9.762	93	224407	38.945	ng		99
29) 2,4-Dichlorophenol	10.056	162	175757	39.965	ng		98
30) 1,2,4-Trichlorobenzene	10.173	180	189081	38.514	ng		99
31) Naphthalene	10.379	128	601027	38.966	ng		100
32) Benzoic acid	9.903	122	103366	37.459	ng		97
33) 4-Chloroaniline	10.602	127	222628	41.044	ng		98
34) Hexachlorobutadiene	10.626	225	116815	38.605	ng		98
35) Caprolactam	11.389	113	64308	39.820	ng		94
36) 4-Chloro-3-methylphenol	11.789	107	190903	39.752	ng		99
37) 2-Methylnaphthalene	11.971	142	427137	38.989	ng		99
38) 1-Methylnaphthalene	12.194	142	425569	38.952	ng		100
40) 1,2,4,5-Tetrachloroben...	12.330	216	219009	38.795	ng		100
41) Hexachlorocyclopentadiene	12.306	237	66704	40.490	ng		99
43) 2,4,6-Trichlorophenol	12.647	196	153962	39.711	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	173702	40.215	ng	98
46) 1,1'-Biphenyl	12.999	154	580150	39.279	ng	99
47) 2-Chloronaphthalene	13.046	162	454969	39.055	ng	100
48) 2-Nitroaniline	13.381	65	127196	41.248	ng	98
49) Acenaphthylene	13.904	152	684349	39.420	ng	98
50) Dimethylphthalate	13.681	163	598096	39.225	ng	100
51) 2,6-Dinitrotoluene	13.816	165	141344	40.163	ng	98
52) Acenaphthene	14.239	154	435101	39.275	ng	99
53) 3-Nitroaniline	14.227	138	141323	41.364	ng	99
54) 2,4-Dinitrophenol	14.362	184	81552	39.543	ng	96
55) Dibenzofuran	14.580	168	692667	38.827	ng	100
56) 4-Nitrophenol	14.650	139	120392	42.674	ng	96
57) 2,4-Dinitrotoluene	14.603	165	198173	40.082	ng	100
58) Fluorene	15.220	166	586503	39.394	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.850	232	157167	39.324	ng	99
60) Diethylphthalate	15.003	149	629271	39.140	ng	100
61) 4-Chlorophenyl-phenyle...	15.203	204	293483	38.819	ng	99
62) 4-Nitroaniline	15.414	138	150527	40.894	ng	99
63) Azobenzene	15.502	77	515371	39.292	ng	99
65) 4,6-Dinitro-2-methylph...	15.350	198	117499	40.171	ng	98
66) n-Nitrosodiphenylamine	15.455	169	510181	39.015	ng	100
67) 4-Bromophenyl-phenylether	16.090	248	209657	38.578	ng	99
68) Hexachlorobenzene	16.201	284	278570	38.948	ng	99
69) Atrazine	16.389	200	168686	43.693	ng	97
70) Pentachlorophenol	16.607	266	162102	41.771	ng	99
71) Phenanthrene	16.953	178	934044	38.975	ng	99
72) Anthracene	17.042	178	929840	39.289	ng	100
73) Carbazole	17.371	167	936279	39.450	ng	99
74) Di-n-butylphthalate	17.817	149	1166355	39.795	ng	100
75) Fluoranthene	18.957	202	1215918	39.571	ng	99
77) Benzidine	19.216	184	495810	40.139	ng	100
78) Pyrene	19.327	202	1277720	39.051	ng	100
80) Butylbenzylphthalate	20.173	149	578489	39.343	ng	98
81) Benzo(a)anthracene	21.055	228	1359165	39.798	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	541433	40.273	ng	96
83) Chrysene	21.107	228	1274981	39.277	ng	100
84) Bis(2-ethylhexyl)phtha...	20.878	149	867309	39.015	ng	99
85) Di-n-octyl phthalate	21.724	149	1479070	39.329	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1998085	38.700	ng	100
88) Benzo(b)fluoranthene	22.653	252	1545976	37.506	ng	99
89) Benzo(k)fluoranthene	22.694	252	1492841	39.896	ng	100
90) Benzo(a)pyrene	23.252	252	1374652	38.628	ng	100
91) Dibenzo(a,h)anthracene	25.679	278	1660639	38.621	ng	100
92) Benzo(g,h,i)perylene	26.442	276	1678161	38.415	ng	99

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

Quantitation Report (QT Reviewed)

ICAL Form

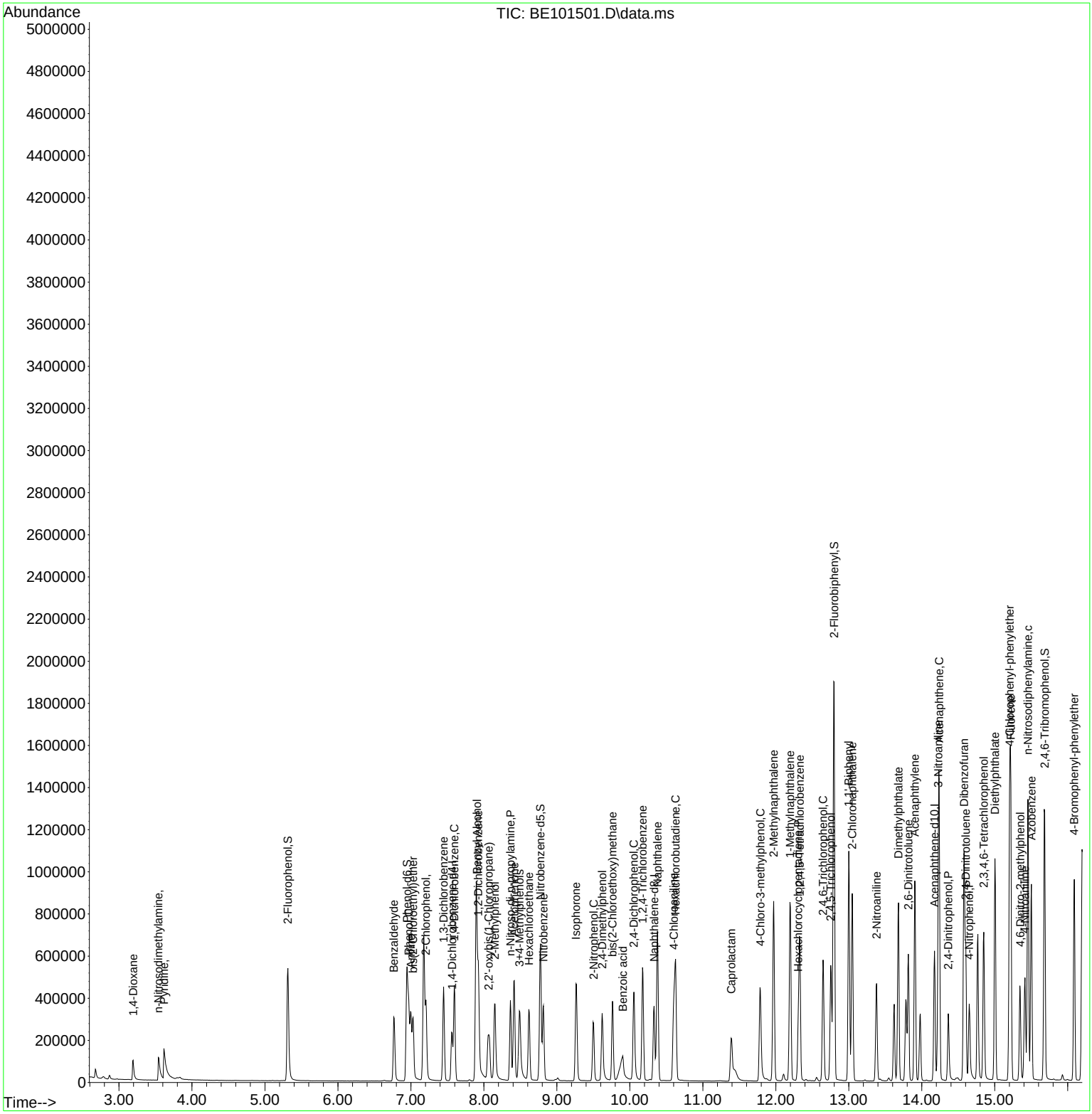
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



ICAL Form

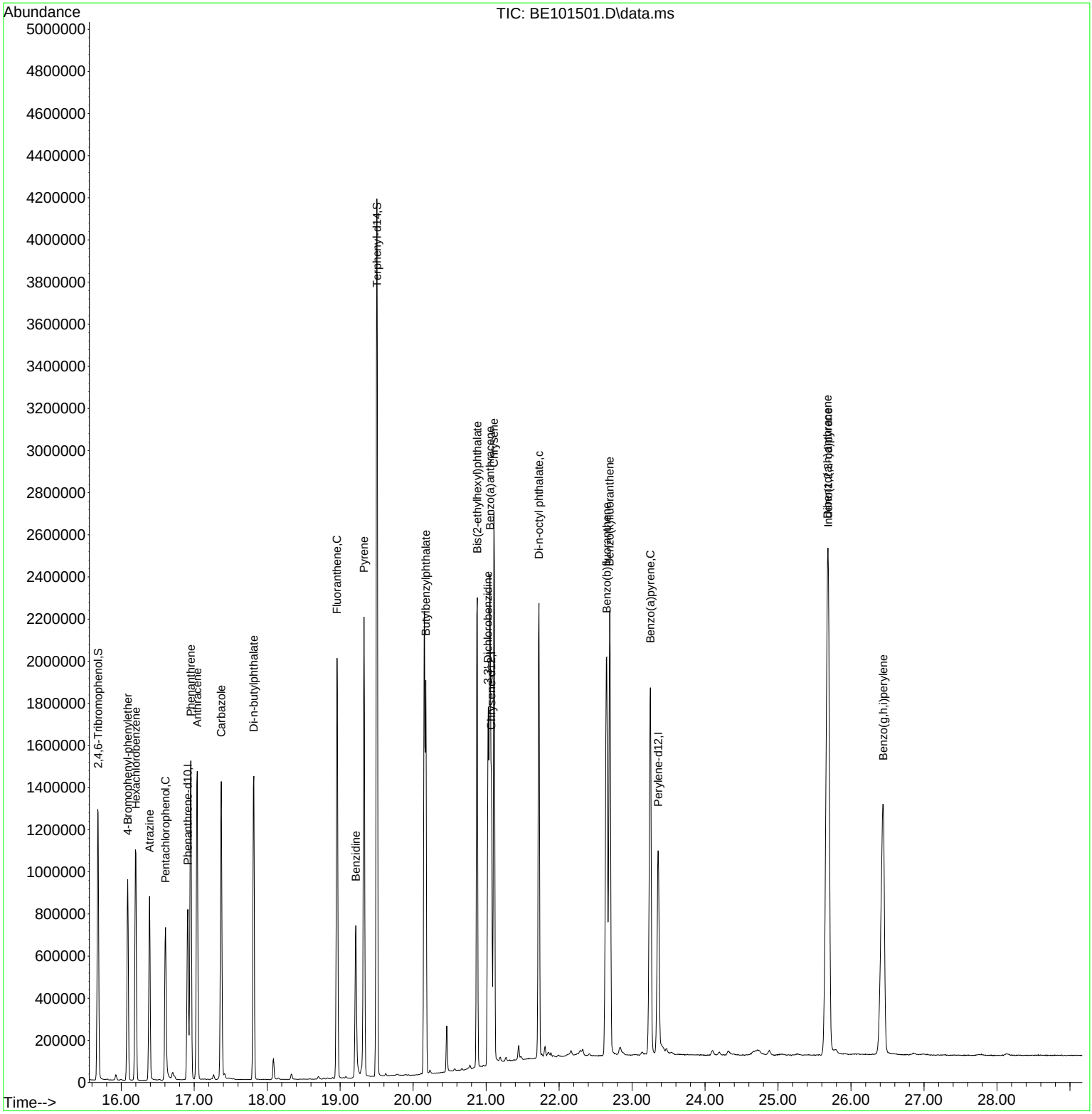
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
Supervised By :mohammad ahmed 11/08/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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Acq On : 6 Nov 2024 18:41
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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.421	0.416	1.2	104	0.00
3		Pyridine	1.177	1.142	3.0	101	0.00
4		n-Nitrosodimethylamine	0.466	0.458	1.7	104	0.00
5	S	2-Fluorophenol	1.131	1.113	1.6	103	0.00
6		Aniline	1.164	1.284	-10.3	95	0.00
7	S	Phenol-d6	1.551	1.535	1.0	101	0.00
8		2-Chlorophenol	1.340	1.317	1.7	102	0.00
9		Benzaldehyde	0.759	0.839	-10.5	111	0.00
10	C	Phenol	1.688	1.693	-0.3	103	0.00
11		bis(2-Chloroethyl)ether	1.397	1.281	8.3	112	0.00
12		1,3-Dichlorobenzene	1.463	1.424	2.7	102	0.00
13	C	1,4-Dichlorobenzene	1.482	1.434	3.2	101	0.00
14		1,2-Dichlorobenzene	1.455	1.415	2.7	101	0.00
15		Benzyl Alcohol	0.906	0.921	-1.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.654	1.614	2.4	101	0.00
17		2-Methylphenol	1.093	1.126	-3.0	103	0.00
18		Hexachloroethane	0.500	0.489	2.2	103	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.022	0.1	101	0.00
20		3+4-Methylphenols	1.515	1.523	-0.5	102	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.453	0.444	2.0	101	0.00
23	S	Nitrobenzene-d5	0.317	0.315	0.6	101	0.00
24		Nitrobenzene	0.329	0.327	0.6	102	0.00
25		Isophorone	0.616	0.611	0.8	101	0.00
26	C	2-Nitrophenol	0.175	0.176	-0.6	102	0.00
27		2,4-Dimethylphenol	0.203	0.199	2.0	102	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.367	2.7	100	0.00
29	C	2,4-Dichlorophenol	0.288	0.288	0.0	102	0.00
30		1,2,4-Trichlorobenzene	0.321	0.309	3.7	100	0.00
31		Naphthalene	1.010	0.984	2.6	101	0.00
32		Benzoic acid	0.168	0.169	-0.6	103	0.00
33		4-Chloroaniline	0.355	0.364	-2.5	102	0.00
34	C	Hexachlorobutadiene	0.198	0.191	3.5	100	0.00
35		Caprolactam	0.106	0.105	0.9	99	0.00
36	C	4-Chloro-3-methylphenol	0.314	0.312	0.6	101	0.00
37		2-Methylnaphthalene	0.717	0.699	2.5	100	0.00
38		1-Methylnaphthalene	0.715	0.696	2.7	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.527	0.511	3.0	99	0.00
41	P	Hexachlorocyclopentadiene	0.154	0.156	-1.3	93	0.00
42	S	2,4,6-Tribromophenol	0.376	0.372	1.1	100	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.360	0.6	100	0.00
44		2,4,5-Trichlorophenol	0.403	0.406	-0.7	101	0.00
45	S	2-Fluorobiphenyl	1.225	1.219	0.5	101	0.00
46		1,1'-Biphenyl	1.380	1.355	1.8	101	0.00
47		2-Chloronaphthalene	1.088	1.062	2.4	100	0.00

ICAL Form

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Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.297	-3.1	102	0.00
49		Acenaphthylene	1.622	1.598	1.5	100	0.00
50		Dimethylphthalate	1.424	1.397	1.9	100	0.00
51		2,6-Dinitrotoluene	0.329	0.330	-0.3	101	0.00
52	C	Acenaphthene	1.035	1.016	1.8	100	0.00
53		3-Nitroaniline	0.319	0.330	-3.4	100	0.00
54	P	2,4-Dinitrophenol	0.193	0.190	1.6	98	0.00
55		Dibenzofuran	1.666	1.617	2.9	100	0.00
56	P	4-Nitrophenol	0.264	0.281	-6.4	102	0.00
57		2,4-Dinitrotoluene	0.462	0.463	-0.2	100	0.00
58		Fluorene	1.391	1.370	1.5	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.373	0.367	1.6	99	0.00
60		Diethylphthalate	1.502	1.469	2.2	100	0.00
61		4-Chlorophenyl-phenylether	0.706	0.685	3.0	99	0.00
62		4-Nitroaniline	0.344	0.351	-2.0	100	0.00
63		Azobenzene	1.225	1.203	1.8	100	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.119	0.0	97	0.00
66	c	n-Nitrosodiphenylamine	0.531	0.518	2.4	100	0.00
67		4-Bromophenyl-phenylether	0.221	0.213	3.6	99	0.00
68		Hexachlorobenzene	0.290	0.283	2.4	100	0.00
69		Atrazine	0.157	0.171	-8.9	100	0.00
70	C	Pentachlorophenol	0.158	0.164	-3.8	102	0.00
71		Phenanthrene	0.973	0.948	2.6	101	0.00
72		Anthracene	0.961	0.944	1.8	100	0.00
73		Carbazole	0.963	0.950	1.3	101	0.00
74		Di-n-butylphthalate	1.190	1.184	0.5	101	0.00
75	C	Fluoranthene	1.247	1.234	1.0	102	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77		Benzidine	0.430	0.431	-0.2	112	0.00
78		Pyrene	1.138	1.111	2.4	103	0.00
79	S	Terphenyl-d14	0.904	0.884	2.2	102	0.00
80		Butylbenzylphthalate	0.511	0.503	1.6	104	0.00
81		Benzo(a)anthracene	1.188	1.182	0.5	106	0.00
82		3,3'-Dichlorobenzidine	0.468	0.471	-0.6	105	0.00
83		Chrysene	1.129	1.109	1.8	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.773	0.754	2.5	104	0.00
85	c	Di-n-octyl phthalate	1.308	1.286	1.7	105	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.330	3.2	103	0.00
88		Benzo(b)fluoranthene	1.097	1.029	6.2	102	0.00
89		Benzo(k)fluoranthene	0.996	0.993	0.3	107	0.00
90	C	Benzo(a)pyrene	0.947	0.915	3.4	104	0.00
91		Dibenzo(a,h)anthracene	1.145	1.105	3.5	103	0.00
92		Benzo(g,h,i)perylene	1.163	1.117	4.0	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Quant Time: Nov 07 00:03:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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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	102	0.00
2		1,4-Dioxane	40.000	39.497	1.3	104	0.00
3		Pyridine	40.000	38.795	3.0	101	0.00
4		n-Nitrosodimethylamine	40.000	39.271	1.8	104	0.00
5	S	2-Fluorophenol	80.000	78.684	1.6	103	0.00
6		Aniline	40.000	44.123	-10.3	95	0.00
7	S	Phenol-d6	80.000	79.200	1.0	101	0.00
8		2-Chlorophenol	40.000	39.308	1.7	102	0.00
9		Benzaldehyde	40.000	44.231	-10.6	111	0.00
10	C	Phenol	40.000	40.122	-0.3	103	0.00
11		bis(2-Chloroethyl)ether	40.000	36.662	8.3	112	0.00
12		1,3-Dichlorobenzene	40.000	38.925	2.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.708	3.2	101	0.00
14		1,2-Dichlorobenzene	40.000	38.920	2.7	101	0.00
15		Benzyl Alcohol	40.000	40.656	-1.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.031	2.4	101	0.00
17		2-Methylphenol	40.000	41.213	-3.0	103	0.00
18		Hexachloroethane	40.000	39.102	2.2	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.976	0.1	101	0.00
20		3+4-Methylphenols	40.000	40.202	-0.5	102	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	39.183	2.0	101	0.00
23	S	Nitrobenzene-d5	80.000	79.517	0.6	101	0.00
24		Nitrobenzene	40.000	39.688	0.8	102	0.00
25		Isophorone	40.000	39.688	0.8	101	0.00
26	C	2-Nitrophenol	40.000	40.104	-0.3	102	0.00
27		2,4-Dimethylphenol	40.000	39.338	1.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.945	2.6	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.965	0.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	38.514	3.7	100	0.00
31		Naphthalene	40.000	38.966	2.6	101	0.00
32		Benzoic acid	40.000	37.459	6.4	103	0.00
33		4-Chloroaniline	40.000	41.044	-2.6	102	0.00
34	C	Hexachlorobutadiene	40.000	38.605	3.5	100	0.00
35		Caprolactam	40.000	39.820	0.4	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.752	0.6	101	0.00
37		2-Methylnaphthalene	40.000	38.989	2.5	100	0.00
38		1-Methylnaphthalene	40.000	38.952	2.6	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.795	3.0	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.490	-1.2	93	0.00
42	S	2,4,6-Tribromophenol	80.000	79.111	1.1	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.711	0.7	100	0.00
44		2,4,5-Trichlorophenol	40.000	40.215	-0.5	101	0.00
45	S	2-Fluorobiphenyl	80.000	79.586	0.5	101	0.00
46		1,1'-Biphenyl	40.000	39.279	1.8	101	0.00
47		2-Chloronaphthalene	40.000	39.055	2.4	100	0.00

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.248	-3.1	102	0.00
49		Acenaphthylene	40.000	39.420	1.4	100	0.00
50		Dimethylphthalate	40.000	39.225	1.9	100	0.00
51		2,6-Dinitrotoluene	40.000	40.163	-0.4	101	0.00
52	C	Acenaphthene	40.000	39.275	1.8	100	0.00
53		3-Nitroaniline	40.000	41.364	-3.4	100	0.00
54	P	2,4-Dinitrophenol	40.000	39.543	1.1	98	0.00
55		Dibenzofuran	40.000	38.827	2.9	100	0.00
56	P	4-Nitrophenol	40.000	42.674	-6.7	102	0.00
57		2,4-Dinitrotoluene	40.000	40.082	-0.2	100	0.00
58		Fluorene	40.000	39.394	1.5	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.324	1.7	99	0.00
60		Diethylphthalate	40.000	39.140	2.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	38.819	3.0	99	0.00
62		4-Nitroaniline	40.000	40.894	-2.2	100	0.00
63		Azobenzene	40.000	39.292	1.8	100	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.171	-0.4	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.015	2.5	100	0.00
67		4-Bromophenyl-phenylether	40.000	38.578	3.6	99	0.00
68		Hexachlorobenzene	40.000	38.948	2.6	100	0.00
69		Atrazine	40.000	43.693	-9.2	100	0.00
70	C	Pentachlorophenol	40.000	41.771	-4.4	102	0.00
71		Phenanthrene	40.000	38.975	2.6	101	0.00
72		Anthracene	40.000	39.289	1.8	100	0.00
73		Carbazole	40.000	39.450	1.4	101	0.00
74		Di-n-butylphthalate	40.000	39.795	0.5	101	0.00
75	C	Fluoranthene	40.000	39.571	1.1	102	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	105	0.00
77		Benzidine	40.000	40.139	-0.3	112	0.00
78		Pyrene	40.000	39.051	2.4	103	0.00
79	S	Terphenyl-d14	80.000	78.285	2.1	102	0.00
80		Butylbenzylphthalate	40.000	39.343	1.6	104	0.00
81		Benzo(a)anthracene	40.000	39.798	0.5	106	0.00
82		3,3'-Dichlorobenzidine	40.000	40.273	-0.7	105	0.00
83		Chrysene	40.000	39.277	1.8	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.015	2.5	104	0.00
85	c	Di-n-octyl phthalate	40.000	39.329	1.7	105	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.700	3.2	103	0.00
88		Benzo(b)fluoranthene	40.000	37.506	6.2	102	0.00
89		Benzo(k)fluoranthene	40.000	39.896	0.3	107	0.00
90	C	Benzo(a)pyrene	40.000	38.628	3.4	104	0.00
91		Dibenzo(a,h)anthracene	40.000	38.621	3.4	103	0.00
92		Benzo(g,h,i)perylene	40.000	38.415	4.0	103	0.00

ICAL Form

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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

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.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date(s): 11/05/2024 11/05/2024

Calibration Time(s): 12:26 15:30

LAB FILE ID: RRF2.5 = BF140231.D RRF005 = BF140232.D RRF010 = BF140233.D
RRF020 = BF140234.D RRF040 = BF140235.D RRF050 = BF140236.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.464	1.445	1.402	1.340	1.296	1.354	6.3
2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.207	8.3
Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.552	8.7
1,4-Dichlorobenzene		1.720	1.636	1.551	1.423	1.393	1.492	9.8
2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.053	6.1
3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.323	9.7
Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.402	5.2
Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.556	7.4
Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.422	5.0
Hexachlorobutadiene		0.251	0.241	0.238	0.222	0.218	0.229	6.2
2,4,6-Trichlorophenol		0.377	0.369	0.363	0.361	0.354	0.363	2.2
2-Fluorobiphenyl		1.481	1.381	1.312	1.183	1.148	1.253	11.3
2,4,5-Trichlorophenol		0.391	0.398	0.396	0.373	0.374	0.381	4.0
2,4-Dinitrotoluene		0.384	0.385	0.388	0.374	0.373	0.376	3.2
2,4,6-Tribromophenol		0.199	0.200	0.197	0.194	0.197	0.198	1.4
Hexachlorobenzene		0.261	0.255	0.251	0.237	0.235	0.245	4.3
Pentachlorophenol		0.105	0.121	0.133	0.138	0.139	0.132	10.6
Terphenyl-d14		1.383	1.309	1.258	1.159	1.164	1.221	8.2

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-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140231.D 5 =BF140232.D 10 =BF140233.D 20 =BF140234.D 40 =BF140235.D 50 =BF140236.D 60 =BF140237.D 80 =BF1402
38.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.527	0.511	0.555	6.64
3)		Pyridine		1.464	1.445	1.402	1.340	1.296	1.298	1.233	1.354	6.33
4)		n-Nitrosodimet...		0.799	0.792	0.802	0.780	0.767	0.786	0.746	0.782	2.52
5)	S	2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.151	1.083	1.207	8.29
6)		Aniline		1.609	1.513	1.499	1.365	1.316	1.298	1.218	1.402	9.99
7)	S	Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.468	1.392	1.552	8.66
8)		2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.182	1.121	1.263	9.38
9)		Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.823	0.701	0.956	18.46
10)	C	Phenol		1.863	1.779	1.752	1.593	1.575	1.544	1.434	1.649	9.23
11)		bis(2-Chloroet...		1.417	1.354	1.285	1.209	1.201	1.201	1.100	1.252	8.57
12)		1,3-Dichlorobe...		1.690	1.605	1.555	1.413	1.387	1.388	1.322	1.480	9.22
13)	C	1,4-Dichlorobe...		1.720	1.636	1.551	1.423	1.393	1.401	1.322	1.492	9.78
14)		1,2-Dichlorobe...		1.622	1.553	1.494	1.309	1.291	1.286	1.201	1.394	11.49
15)		Benzyl Alcohol		1.282	1.280	1.258	1.182	1.147	1.154	1.075	1.197	6.59
16)		2,2'-oxybis(1-...		2.305	2.213	2.143	1.958	1.910	1.898	1.764	2.027	9.65
17)		2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.022	0.973	1.053	6.05
18)		Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.537	0.507	0.556	7.37
19)	P	n-Nitroso-di-n...	1.035	1.117	1.062	1.015	0.949	0.923	0.936	0.886	0.990	8.01
20)		3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.242	1.150	1.323	9.73
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.564	0.535	0.512	0.474	0.461	0.472	0.453	0.496	8.43
23)	S	Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.391	0.377	0.402	5.21
24)		Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.407	0.396	0.422	5.04
25)		Isophorone		0.754	0.722	0.699	0.675	0.659	0.680	0.660	0.693	5.05
26)	C	2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.173	0.168	0.168	2.47
27)		2,4-Dimethylph...		0.240	0.237	0.234	0.224	0.221	0.227	0.216	0.228	3.88
28)		bis(2-Chloroet...		0.459	0.441	0.428	0.400	0.390	0.399	0.383	0.415	6.93
29)	C	2,4-Dichloroph...		0.297	0.299	0.291	0.278	0.270	0.277	0.266	0.283	4.67
30)		1,2,4-Trichlor...		0.373	0.362	0.349	0.328	0.318	0.327	0.314	0.339	6.72
31)		Naphthalene		1.206	1.119	1.071	0.992	0.956	0.965	0.921	1.033	9.94
32)		Benzoic acid			0.136	0.161	0.193	0.207	0.211	0.216	0.187	17.07
33)		4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.323	0.311	0.340	7.13
34)	C	Hexachlorobuta...		0.251	0.241	0.238	0.222	0.218	0.223	0.212	0.229	6.22
35)		Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	0.082	0.086	2.94
36)	C	4-Chloro-3-met...		0.337	0.326	0.319	0.312	0.303	0.307	0.298	0.315	4.33
37)		2-Methylnaphth...		0.772	0.743	0.702	0.644	0.626	0.627	0.605	0.674	9.64
38)		1-Methylnaphth...		0.765	0.720	0.691	0.634	0.612	0.619	0.583	0.661	10.00

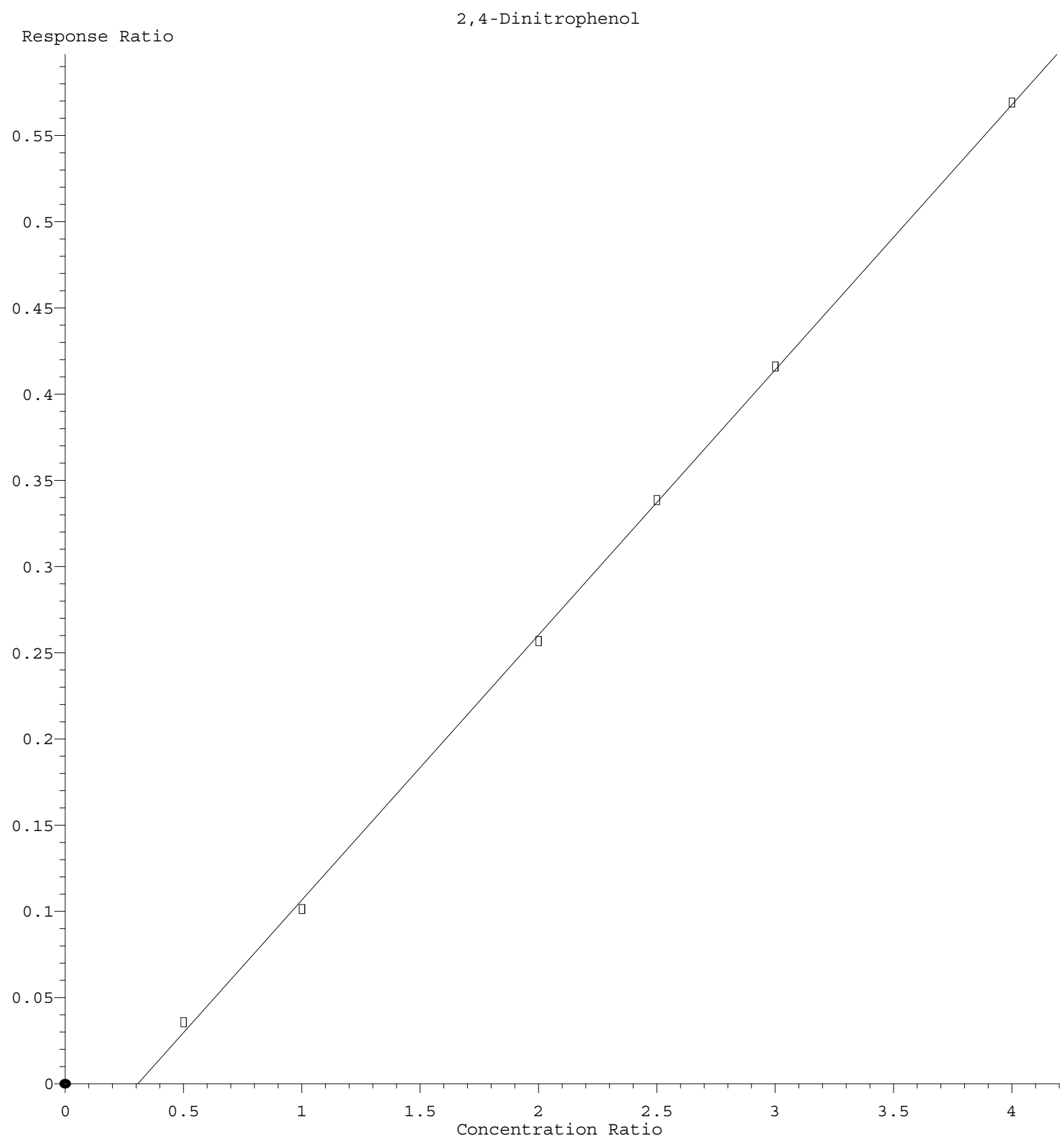
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15
41)	P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27
42)	S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40
43)	C	2,4,6-Trichlor...	0.377	0.369	0.363	0.361	0.354	0.356	0.359	0.363	2.16
44)		2,4,5-Trichlor...	0.391	0.398	0.396	0.373	0.374	0.383	0.355	0.381	4.02
45)	S	2-Fluorobiphenyl	1.481	1.381	1.312	1.183	1.148	1.166	1.097	1.253	11.27
46)		1,1'-Biphenyl	1.663	1.590	1.521	1.376	1.342	1.347	1.281	1.446	10.02
47)		2-Chloronaphth...	1.195	1.171	1.135	1.050	1.036	1.040	0.990	1.088	7.17
48)		2-Nitroaniline	0.357	0.372	0.371	0.369	0.363	0.364	0.352	0.364	1.99
49)		Acenaphthylene	1.730	1.668	1.618	1.486	1.465	1.452	1.364	1.540	8.62
50)		Dimethylphthalate	1.363	1.310	1.262	1.191	1.182	1.180	1.135	1.232	6.65
51)		2,6-Dinitrotol...	0.302	0.297	0.299	0.286	0.286	0.284	0.272	0.290	3.57
52)	C	Acenaphthene	1.204	1.153	1.134	1.059	1.055	1.041	1.003	1.093	6.60
53)		3-Nitroaniline	0.294	0.286	0.282	0.269	0.267	0.262	0.248	0.273	5.83
54)	P	2,4-Dinitrophenol		0.071	0.101	0.128	0.135	0.139	0.142	0.120	23.23
55)		Dibenzofuran	1.773	1.683	1.603	1.467	1.424	1.421	1.324	1.528	10.59
56)	P	4-Nitrophenol	0.160	0.178	0.196	0.203	0.206	0.201	0.197	0.192	8.78
57)		2,4-Dinitrotol...	0.384	0.385	0.388	0.374	0.373	0.374	0.352	0.376	3.23
58)		Fluorene	1.446	1.345	1.267	1.154	1.127	1.115	1.059	1.216	11.55
59)		2,3,4,6-Tetrac...	0.323	0.324	0.321	0.305	0.309	0.308	0.298	0.313	3.26
60)		Diethylphthalate	1.360	1.319	1.271	1.185	1.170	1.165	1.097	1.224	7.72
61)		4-Chlorophenyl...	0.715	0.673	0.638	0.581	0.573	0.569	0.542	0.613	10.33
62)		4-Nitroaniline	0.278	0.276	0.282	0.270	0.267	0.270	0.254	0.271	3.45
63)		Azobenzene	1.460	1.373	1.319	1.219	1.200	1.190	1.122	1.269	9.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.080	0.100	0.110	0.112	0.116	0.113	0.105	12.60
66)	c	n-Nitrosodiphe...	0.646	0.608	0.600	0.551	0.543	0.549	0.530	0.575	7.48
67)		4-Bromophenyl-...	0.230	0.219	0.223	0.209	0.208	0.212	0.207	0.215	4.15
68)		Hexachlorobenzene	0.261	0.255	0.251	0.237	0.235	0.242	0.237	0.245	4.26
69)		Atrazine	0.204	0.189	0.155	0.156	0.127	0.138	0.133	0.157	18.48
70)	C	Pentachlorophenol	0.105	0.121	0.133	0.138	0.139	0.144	0.142	0.132	10.59
71)		Phenanthrene	1.082	1.044	1.004	0.915	0.885	0.902	0.849	0.954	9.28
72)		Anthracene	1.071	1.014	0.984	0.894	0.881	0.876	0.832	0.936	9.34
73)		Carbazole	0.973	0.919	0.901	0.822	0.805	0.809	0.759	0.855	8.93
74)		Di-n-butylphth...	1.119	1.096	1.062	0.975	0.961	0.966	0.907	1.012	7.87
75)	C	Fluoranthene	1.157	1.101	1.044	0.950	0.928	0.935	0.870	0.998	10.48
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.507	0.466	0.380	0.490	0.365	0.249	0.281	0.391	25.96
78)		Pyrene	1.851	1.733	1.728	1.590	1.572	1.596	1.490	1.651	7.49
79)	S	Terphenyl-d14	1.383	1.309	1.258	1.159	1.164	1.180	1.093	1.221	8.25
80)		Butylbenzylpht...	0.580	0.596	0.613	0.597	0.601	0.612	0.564	0.595	2.95
81)		Benzo(a)anthra...	1.386	1.344	1.345	1.232	1.232	1.254	1.193	1.284	5.71
82)		3,3'-Dichlorob...	0.387	0.409	0.410	0.417	0.406	0.401	0.392	0.403	2.57
83)		Chrysene	1.320	1.264	1.206	1.154	1.177	1.180	1.113	1.202	5.81
84)		Bis(2-ethylhex...	0.868	0.858	0.858	0.819	0.825	0.830	0.775	0.833	3.82
85)	c	Di-n-octyl pht...	1.201	1.234	1.283	1.267	1.265	1.291	1.240	1.254	2.52

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110524.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.107	1.110	1.213	1.195	1.172	1.230	1.191	1.174	4.11
88)		Benzo(b)fluora...	1.300	1.184	1.214	1.245	1.125	1.286	1.115	1.210	6.05
89)		Benzo(k)fluora...	1.214	1.230	1.206	1.027	1.085	0.975	1.034	1.110	9.46
90)	C	Benzo(a)pyrene	1.023	0.999	1.022	0.993	0.975	1.006	0.964	0.997	2.23
91)		Dibenzo(a,h)an...	0.917	0.923	0.998	0.979	0.968	1.000	0.976	0.966	3.44
92)		Benzo(g,h,i)pe...	0.949	0.941	1.017	0.994	0.977	1.017	1.002	0.985	3.13

(#) = Out of Range



Response = 1.539e-001 * Amt - 4.717e-002
Coef of Det (r^2) = 0.999580 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110524.M
Calibration Table Last Updated: Tue Nov 05 16:47:56 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140231.D
Acq On : 05 Nov 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 16:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169994	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642367	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	390405	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	693037	20.000	ng	0.00
76) Chrysene-d12	14.057	240	449357	20.000	ng	0.00
86) Perylene-d12	15.574	264	370150	20.000	ng	0.01
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	21993	2.613	ng	98

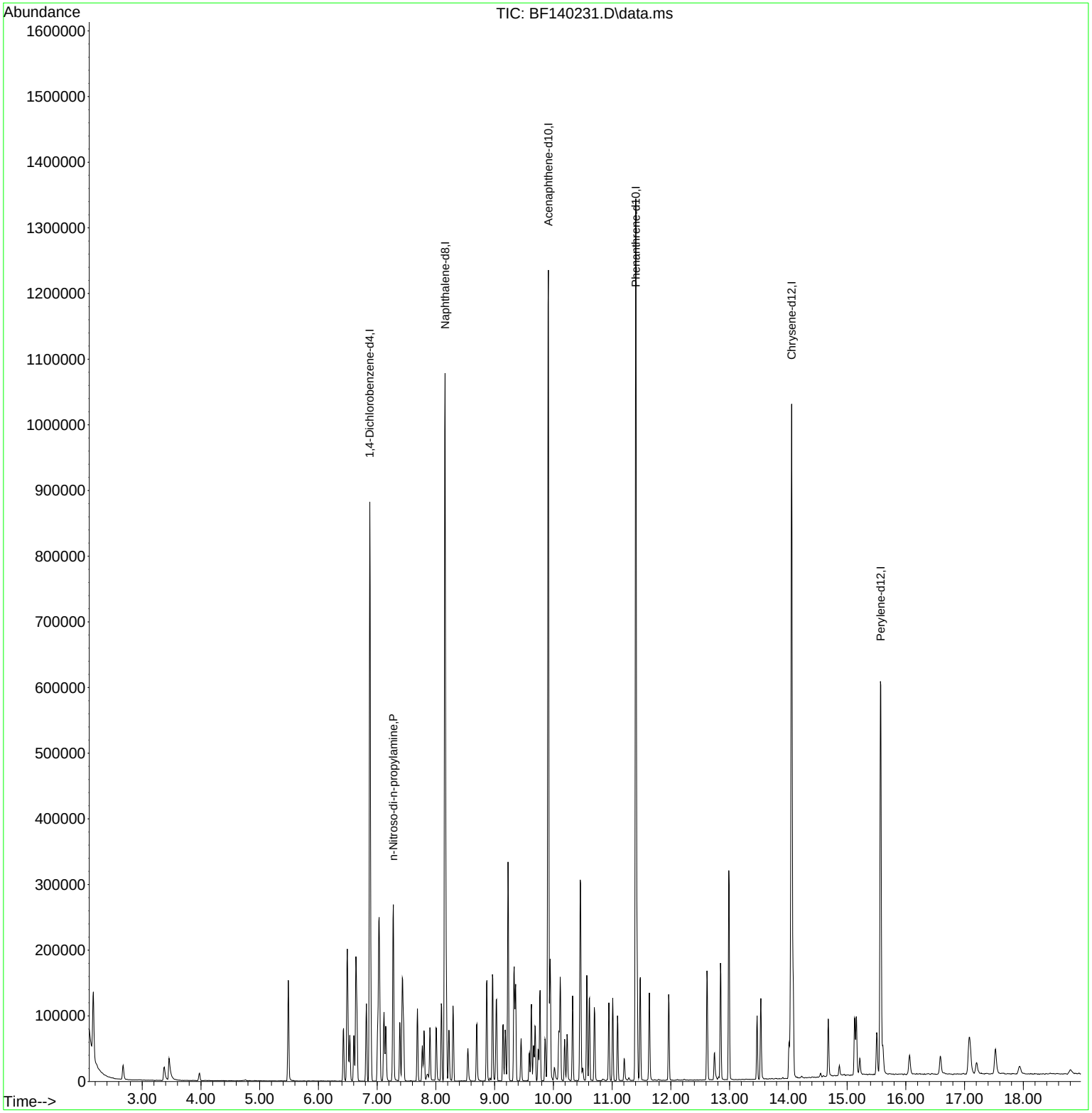
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140231.D
Acq On : 05 Nov 2024 12:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 05 16:04:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140232.D
Acq On : 05 Nov 2024 12:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Nov 05 16:05:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	166612	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	633777	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	371519	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	675726	20.000	ng		0.00
76) Chrysene-d12	14.057	240	440779	20.000	ng		0.00
86) Perylene-d12	15.562	264	369484	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	113220	11.261	ng		0.00
7) Phenol-d6	6.487	99	147074	11.373	ng		-0.02
23) Nitrobenzene-d5	7.428	82	137719	10.804	ng		-0.02
42) 2,4,6-Tribromophenol	10.698	330	37004	10.077	ng		-0.01
45) 2-Fluorobiphenyl	9.228	172	275075	11.823	ng		-0.01
79) Terphenyl-d14	12.986	244	304890	11.331	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	25542	5.526	ng		99
3) Pyridine	3.440	79	60966	5.406	ng		99
4) n-Nitrosodimethylamine	3.363	42	33282	5.111	ng	#	96
6) Aniline	6.534	93	67005	5.735	ng		98
8) 2-Chlorophenol	6.657	128	60035	5.707	ng		94
9) Benzaldehyde	6.428	77	48266	6.059	ng		96
10) Phenol	6.504	94	77615	5.651	ng		93
11) bis(2-Chloroethyl)ether	6.604	93	59042	5.659	ng		99
12) 1,3-Dichlorobenzene	6.816	146	70377	5.709	ng		99
13) 1,4-Dichlorobenzene	6.892	146	71647	5.763	ng		98
14) 1,2-Dichlorobenzene	7.045	146	67578	5.820	ng		97
15) Benzyl Alcohol	7.010	79	53385	5.355	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	96009	5.685	ng		98
17) 2-Methylphenol	7.116	107	48094	5.481	ng		99
18) Hexachloroethane	7.386	117	25475	5.501	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	46525	5.640	ng		100
20) 3+4-Methylphenols	7.269	107	62607	5.681	ng		93
22) Acetophenone	7.275	105	89338	5.685	ng	#	97
24) Nitrobenzene	7.451	77	71621	5.355	ng		99
25) Isophorone	7.686	82	119458	5.442	ng		99
26) 2-Nitrophenol	7.769	139	25340	4.763	ng		99
27) 2,4-Dimethylphenol	7.798	122	38041	5.255	ng		98
28) bis(2-Chloroethoxy)met...	7.898	93	72777	5.541	ng		96
29) 2,4-Dichlorophenol	8.004	162	47065	5.256	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	59052	5.503	ng		99
31) Naphthalene	8.175	128	191018	5.837	ng		98
33) 4-Chloroaniline	8.222	127	59005	5.476	ng		99
34) Hexachlorobutadiene	8.292	225	39831	5.484	ng		100
35) Caprolactam	8.551	113	14213	5.218	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	53339	5.350	ng		98
37) 2-Methylnaphthalene	8.869	142	122302	5.726	ng		99
38) 1-Methylnaphthalene	8.963	142	121198	5.789	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	61028	5.611	ng		99
41) Hexachlorocyclopentadiene	9.022	237	11506	3.775	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	34991	5.192	ng		97
44) 2,4,5-Trichlorophenol	9.180	196	36304	5.123	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140232.D
Acq On : 05 Nov 2024 12:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Nov 05 16:05:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.328	154	154417	5.750	ng	98
47) 2-Chloronaphthalene	9.357	162	110964	5.490	ng	98
48) 2-Nitroaniline	9.451	65	33158	4.906	ng	100
49) Acenaphthylene	9.775	152	160677	5.615	ng	99
50) Dimethylphthalate	9.628	163	126555	5.531	ng	98
51) 2,6-Dinitrotoluene	9.692	165	28015	5.209	ng	98
52) Acenaphthene	9.945	154	111840	5.510	ng	99
53) 3-Nitroaniline	9.857	138	27313	5.393	ng	98
55) Dibenzofuran	10.116	168	164665	5.802	ng	99
56) 4-Nitrophenol	10.016	139	14822	4.163	ng	99
57) 2,4-Dinitrotoluene	10.092	165	35682	5.113	ng	96
58) Fluorene	10.463	166	134275	5.943	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	29985	5.165	ng	97
60) Diethylphthalate	10.327	149	126272	5.554	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	66377	5.830	ng	95
62) 4-Nitroaniline	10.469	138	25854	5.137	ng	98
63) Azobenzene	10.616	77	135576	5.752	ng	98
66) n-Nitrosodiphenylamine	10.569	169	109166	5.617	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	38865	5.341	ng	97
68) Hexachlorobenzene	11.010	284	44138	5.322	ng	98
69) Atrazine	11.092	200	34413	6.472	ng	98
70) Pentachlorophenol	11.204	266	17820	4.001	ng	98
71) Phenanthrene	11.427	178	182820	5.669	ng	99
72) Anthracene	11.480	178	180850	5.719	ng	98
73) Carbazole	11.633	167	164314	5.687	ng	99
74) Di-n-butylphthalate	11.963	149	189064	5.528	ng	99
75) Fluoranthene	12.616	202	195471	5.797	ng	100
77) Benzidine	12.739	184	55905	6.487	ng	99
78) Pyrene	12.845	202	203999	5.605	ng	98
80) Butylbenzylphthalate	13.468	149	63884	4.875	ng	97
81) Benzo(a)anthracene	14.045	228	152702	5.398	ng	98
82) 3,3'-Dichlorobenzidine	14.010	252	42666	4.803	ng	98
83) Chrysene	14.080	228	145493	5.492	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	95669	5.209	ng	98
85) Di-n-octyl phthalate	14.674	149	132302	4.786	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	102265	4.715	ng	98
88) Benzo(b)fluoranthene	15.121	252	120060	5.372	ng	98
89) Benzo(k)fluoranthene	15.151	252	112119	5.467	ng	99
90) Benzo(a)pyrene	15.498	252	94454	5.126	ng	100
91) Dibenzo(a,h)anthracene	17.086	278	84741	4.749	ng	99
92) Benzo(g,h,i)perylene	17.515	276	87630	4.814	ng	98

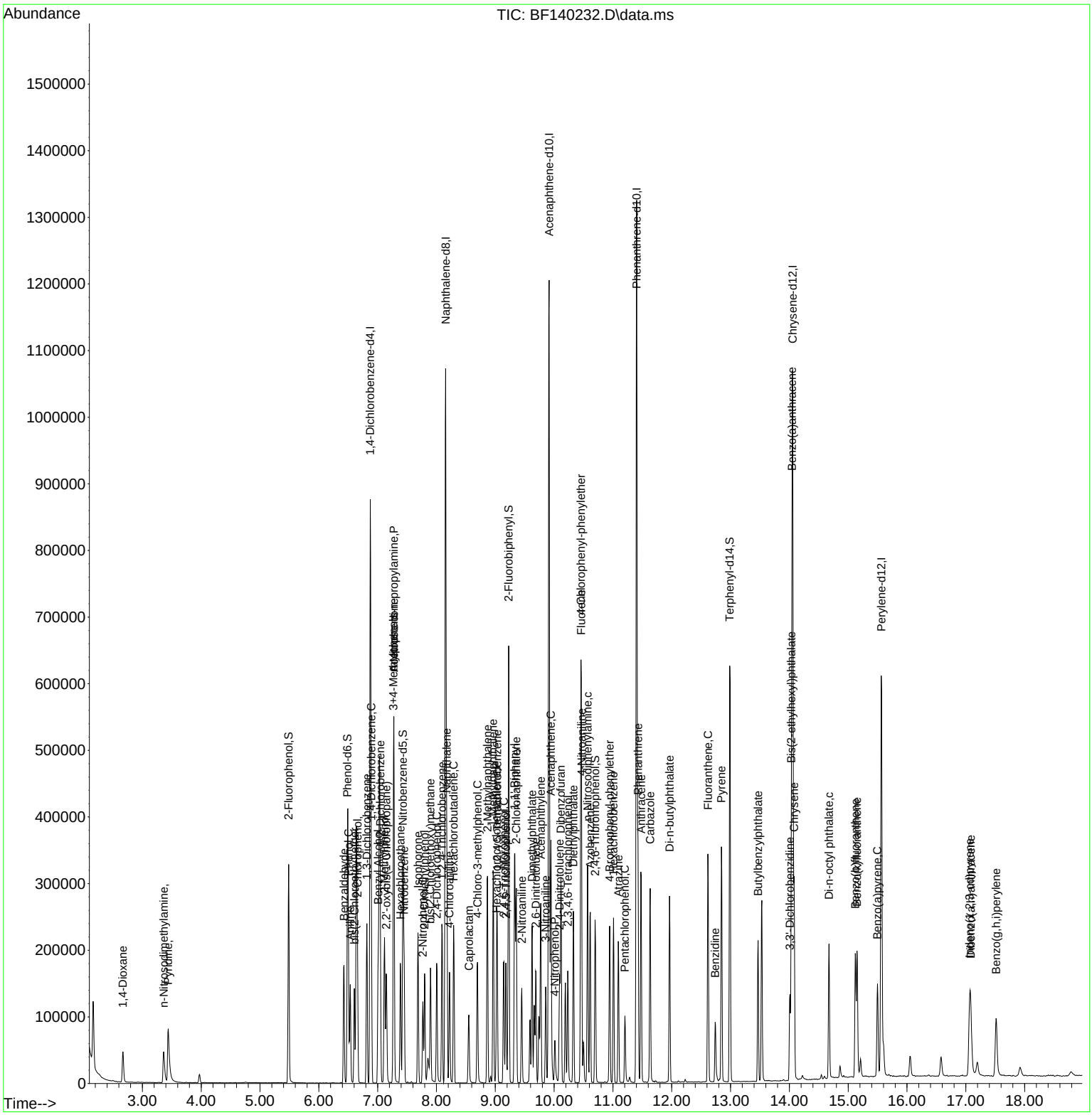
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140232.D
Acq On : 05 Nov 2024 12:52
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Nov 05 16:05:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140233.D
Acq On : 05 Nov 2024 13:18
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 16:06:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169955	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642615	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	380981	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	690845	20.000	ng	0.00
76) Chrysene-d12	14.057	240	446944	20.000	ng	0.00
86) Perylene-d12	15.563	264	379108	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	220591	21.510	ng	0.00
7) Phenol-d6	6.493	99	285438	21.639	ng	-0.01
23) Nitrobenzene-d5	7.434	82	270000	20.890	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	76087	20.205	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	526071	22.049	ng	-0.01
79) Terphenyl-d14	12.986	244	585234	21.450	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	49437	10.485	ng	99
3) Pyridine	3.434	79	122761	10.671	ng	99
4) n-Nitrosodimethylamine	3.363	42	67275	10.128	ng	99
6) Aniline	6.534	93	128537	10.785	ng	99
8) 2-Chlorophenol	6.657	128	117681	10.967	ng	96
9) Benzaldehyde	6.428	77	96640	11.893	ng	99
10) Phenol	6.504	94	151147	10.789	ng	95
11) bis(2-Chloroethyl)ether	6.604	93	115044	10.810	ng	99
12) 1,3-Dichlorobenzene	6.816	146	136347	10.843	ng	99
13) 1,4-Dichlorobenzene	6.893	146	139034	10.963	ng	99
14) 1,2-Dichlorobenzene	7.045	146	131990	11.143	ng	97
15) Benzyl Alcohol	7.010	79	108748	10.694	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	188076	10.918	ng	99
17) 2-Methylphenol	7.116	107	93875	10.487	ng	98
18) Hexachloroethane	7.387	117	51249	10.849	ng	94
19) n-Nitroso-di-n-propyla...	7.275	70	90280	10.728	ng	98
20) 3+4-Methylphenols	7.269	107	122859	10.928	ng	95
22) Acetophenone	7.281	105	171813	10.784	ng	93
24) Nitrobenzene	7.451	77	142088	10.477	ng	100
25) Isophorone	7.687	82	232088	10.428	ng	100
26) 2-Nitrophenol	7.769	139	53595	9.934	ng	99
27) 2,4-Dimethylphenol	7.798	122	76264	10.391	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	141799	10.647	ng	99
29) 2,4-Dichlorophenol	8.010	162	96095	10.584	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	116262	10.686	ng	99
31) Naphthalene	8.175	128	359545	10.835	ng	99
32) Benzoic acid	7.869	122	43854	7.274	ng	98
33) 4-Chloroaniline	8.222	127	117951	10.797	ng	98
34) Hexachlorobutadiene	8.292	225	77330	10.500	ng	99
35) Caprolactam	8.557	113	28056	10.158	ng	88
36) 4-Chloro-3-methylphenol	8.698	107	104783	10.365	ng	96
37) 2-Methylnaphthalene	8.869	142	238693	11.022	ng	99
38) 1-Methylnaphthalene	8.969	142	231470	10.904	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	117977	10.578	ng	99
41) Hexachlorocyclopentadiene	9.022	237	27651	8.847	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	70295	10.171	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140233.D
Acq On : 05 Nov 2024 13:18
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 16:06:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

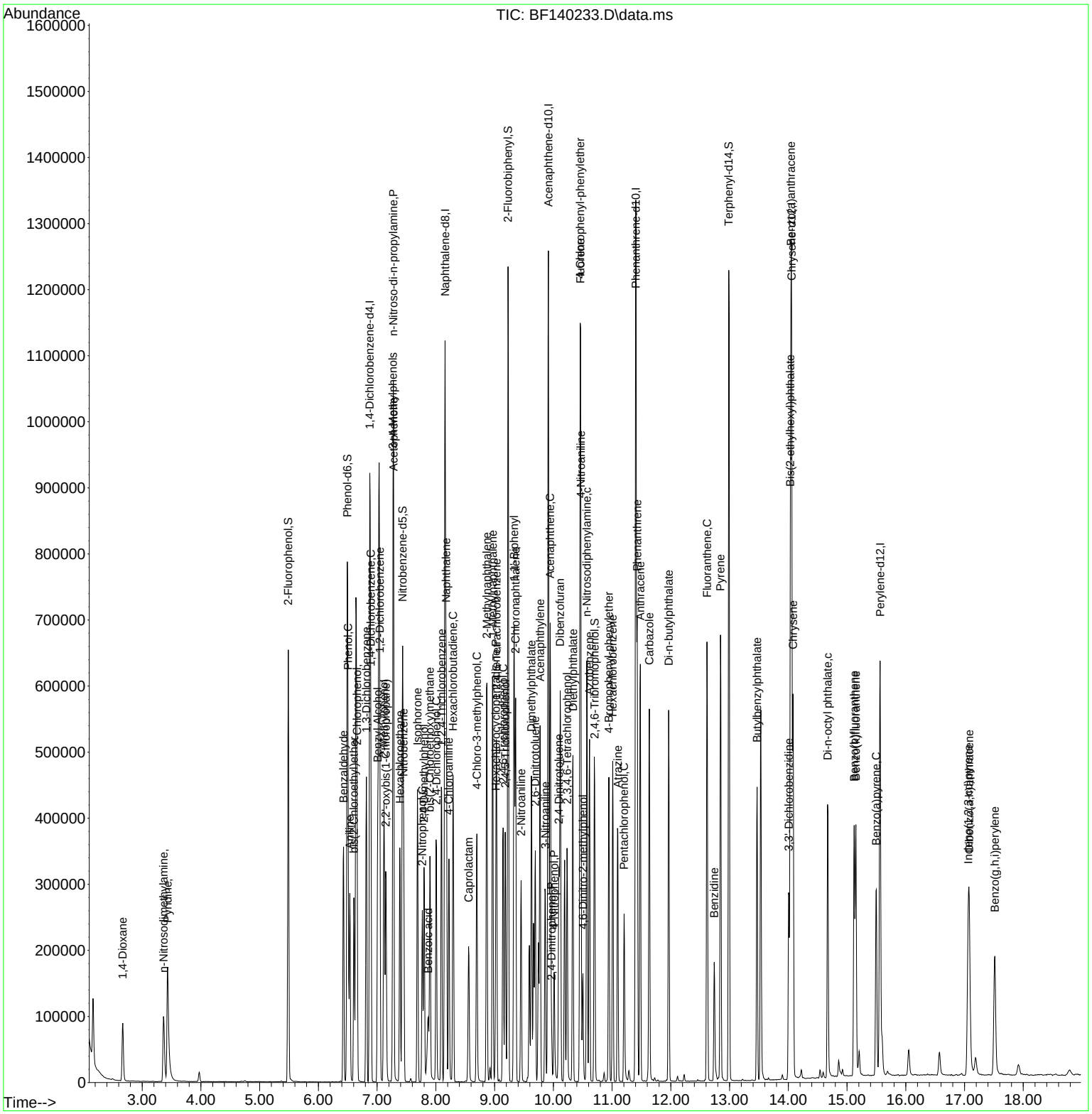
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	75869	10.440	ng	98
46) 1,1'-Biphenyl	9.334	154	302847	10.997	ng	99
47) 2-Chloronaphthalene	9.357	162	223034	10.761	ng	98
48) 2-Nitroaniline	9.451	65	70833	10.219	ng	99
49) Acenaphthylene	9.775	152	317743	10.828	ng	99
50) Dimethylphthalate	9.628	163	249467	10.632	ng	99
51) 2,6-Dinitrotoluene	9.692	165	56583	10.259	ng	99
52) Acenaphthene	9.945	154	219665	10.554	ng	98
53) 3-Nitroaniline	9.863	138	54572	10.508	ng	99
54) 2,4-Dinitrophenol	9.969	184	13606	10.773	ng	93
55) Dibenzofuran	10.116	168	320619	11.016	ng	100
56) 4-Nitrophenol	10.016	139	33945	9.296	ng	99
57) 2,4-Dinitrotoluene	10.092	165	73382	10.253	ng	100
58) Fluorene	10.463	166	256207	11.059	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	61750	10.373	ng	99
60) Diethylphthalate	10.333	149	251297	10.778	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	128176	10.978	ng	97
62) 4-Nitroaniline	10.469	138	52502	10.173	ng	98
63) Azobenzene	10.616	77	261630	10.824	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	27797	7.661	ng	99
66) n-Nitrosodiphenylamine	10.569	169	210031	10.570	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	75749	10.182	ng	97
68) Hexachlorobenzene	11.010	284	88163	10.397	ng	98
69) Atrazine	11.098	200	65321	12.016	ng	98
70) Pentachlorophenol	11.204	266	41649	9.147	ng	98
71) Phenanthrene	11.428	178	360612	10.938	ng	98
72) Anthracene	11.480	178	350419	10.839	ng	99
73) Carbazole	11.633	167	317282	10.741	ng	100
74) Di-n-butylphthalate	11.963	149	378459	10.824	ng	100
75) Fluoranthene	12.616	202	380442	11.036	ng	99
77) Benzidine	12.739	184	104047	11.907	ng	99
78) Pyrene	12.845	202	387191	10.492	ng	98
80) Butylbenzylphthalate	13.469	149	133189	10.023	ng	98
81) Benzo(a)anthracene	14.045	228	300246	10.468	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	91304	10.137	ng	98
83) Chrysene	14.080	228	282479	10.517	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	191810	10.299	ng	99
85) Di-n-octyl phthalate	14.668	149	275674	9.834	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	210372	9.453	ng	99
88) Benzo(b)fluoranthene	15.121	252	224465	9.789	ng	99
89) Benzo(k)fluoranthene	15.151	252	233221	11.084	ng	98
90) Benzo(a)pyrene	15.498	252	189383	10.017	ng	100
91) Dibenzo(a,h)anthracene	17.080	278	175018	9.559	ng	99
92) Benzo(g,h,i)perylene	17.515	276	178404	9.552	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140233.D
Acq On : 05 Nov 2024 13:18
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Nov 05 16:06:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140234.D
Acq On : 05 Nov 2024 13:45
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 16:06:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	172055	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	645909	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	373381	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	664825	20.000	ng		0.00
76) Chrysene-d12	14.057	240	412642	20.000	ng		0.00
86) Perylene-d12	15.551	264	363394	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	433943	41.797	ng		0.00
7) Phenol-d6	6.498	99	551873	41.326	ng		0.00
23) Nitrobenzene-d5	7.434	82	535735	41.238	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	147398	39.938	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	979583	41.893	ng		0.00
79) Terphenyl-d14	12.992	244	1038356	41.221	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	99025	20.746	ng		98
3) Pyridine	3.422	79	241250	20.714	ng		99
4) n-Nitrosodimethylamine	3.369	42	138062	20.532	ng		99
6) Aniline	6.540	93	257880	21.374	ng		99
8) 2-Chlorophenol	6.657	128	225504	20.759	ng		99
9) Benzaldehyde	6.428	77	186643	22.690	ng		99
10) Phenol	6.510	94	301412	21.252	ng		94
11) bis(2-Chloroethyl)ether	6.610	93	221028	20.515	ng		99
12) 1,3-Dichlorobenzene	6.816	146	267524	21.015	ng		99
13) 1,4-Dichlorobenzene	6.893	146	266836	20.783	ng		100
14) 1,2-Dichlorobenzene	7.045	146	257015	21.433	ng		99
15) Benzyl Alcohol	7.010	79	216423	21.023	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	368653	21.139	ng		99
17) 2-Methylphenol	7.122	107	186921	20.627	ng		98
18) Hexachloroethane	7.387	117	99144	20.731	ng		95
19) n-Nitroso-di-n-propyla...	7.281	70	174577	20.492	ng		98
20) 3+4-Methylphenols	7.275	107	241377	21.209	ng		94
22) Acetophenone	7.281	105	330679	20.649	ng	#	96
24) Nitrobenzene	7.457	77	281924	20.681	ng		98
25) Isophorone	7.692	82	451202	20.170	ng		100
26) 2-Nitrophenol	7.769	139	109507	20.195	ng		97
27) 2,4-Dimethylphenol	7.804	122	150911	20.457	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	276697	20.670	ng		99
29) 2,4-Dichlorophenol	8.010	162	187987	20.599	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	225612	20.630	ng		99
31) Naphthalene	8.181	128	691496	20.732	ng		99
32) Benzoic acid	7.887	122	103754	17.121	ng		99
33) 4-Chloroaniline	8.222	127	228830	20.840	ng		99
34) Hexachlorobutadiene	8.292	225	153685	20.762	ng		99
35) Caprolactam	8.575	113	56716	20.429	ng		95
36) 4-Chloro-3-methylphenol	8.698	107	206111	20.284	ng		99
37) 2-Methylnaphthalene	8.869	142	453289	20.824	ng		100
38) 1-Methylnaphthalene	8.969	142	446421	20.923	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	224209	20.512	ng		99
41) Hexachlorocyclopentadiene	9.022	237	63080	20.594	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	135701	20.034	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140234.D
Acq On : 05 Nov 2024 13:45
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 16:06:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	147945	20.773	ng		98
46) 1,1'-Biphenyl	9.334	154	567855	21.040	ng		99
47) 2-Chloronaphthalene	9.357	162	423730	20.860	ng		99
48) 2-Nitroaniline	9.451	65	138378	20.370	ng		100
49) Acenaphthylene	9.775	152	604059	21.005	ng		100
50) Dimethylphthalate	9.633	163	471181	20.490	ng		99
51) 2,6-Dinitrotoluene	9.698	165	111731	20.671	ng		98
52) Acenaphthene	9.951	154	423437	20.759	ng		98
53) 3-Nitroaniline	9.863	138	105330	20.695	ng		97
54) 2,4-Dinitrophenol	9.969	184	37832	19.300	ng	#	84
55) Dibenzofuran	10.122	168	598372	20.978	ng		100
56) 4-Nitrophenol	10.016	139	73196	20.454	ng		99
57) 2,4-Dinitrotoluene	10.098	165	144849	20.651	ng		98
58) Fluorene	10.463	166	473026	20.833	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	119839	20.540	ng		99
60) Diethylphthalate	10.333	149	474686	20.773	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	238080	20.806	ng		97
62) 4-Nitroaniline	10.475	138	105419	20.843	ng		99
63) Azobenzene	10.616	77	492408	20.787	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	66287	18.984	ng		95
66) n-Nitrosodiphenylamine	10.575	169	398846	20.858	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	148317	20.717	ng		99
68) Hexachlorobenzene	11.010	284	167183	20.487	ng		98
69) Atrazine	11.098	200	103143	19.716	ng		99
70) Pentachlorophenol	11.204	266	88701	20.243	ng		97
71) Phenanthrene	11.428	178	667577	21.041	ng		99
72) Anthracene	11.480	178	654429	21.035	ng		99
73) Carbazole	11.633	167	598904	21.068	ng		99
74) Di-n-butylphthalate	11.963	149	706033	20.982	ng		100
75) Fluoranthene	12.622	202	694279	20.927	ng		99
77) Benzidine	12.739	184	156645	19.416	ng		99
78) Pyrene	12.851	202	713125	20.931	ng		99
80) Butylbenzylphthalate	13.469	149	252851	20.610	ng		99
81) Benzo(a)anthracene	14.045	228	555009	20.958	ng		98
82) 3,3'-Dichlorobenzidine	14.004	252	169024	20.325	ng		99
83) Chrysene	14.080	228	497583	20.065	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	354006	20.588	ng		99
85) Di-n-octyl phthalate	14.663	149	529422	20.456	ng		100
87) Indeno(1,2,3-cd)pyrene	17.057	276	440956	20.672	ng		100
88) Benzo(b)fluoranthene	15.116	252	440979	20.062	ng		99
89) Benzo(k)fluoranthene	15.145	252	438390	21.735	ng		99
90) Benzo(a)pyrene	15.486	252	371386	20.493	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	362633	20.663	ng		99
92) Benzo(g,h,i)perylene	17.509	276	369416	20.635	ng		99

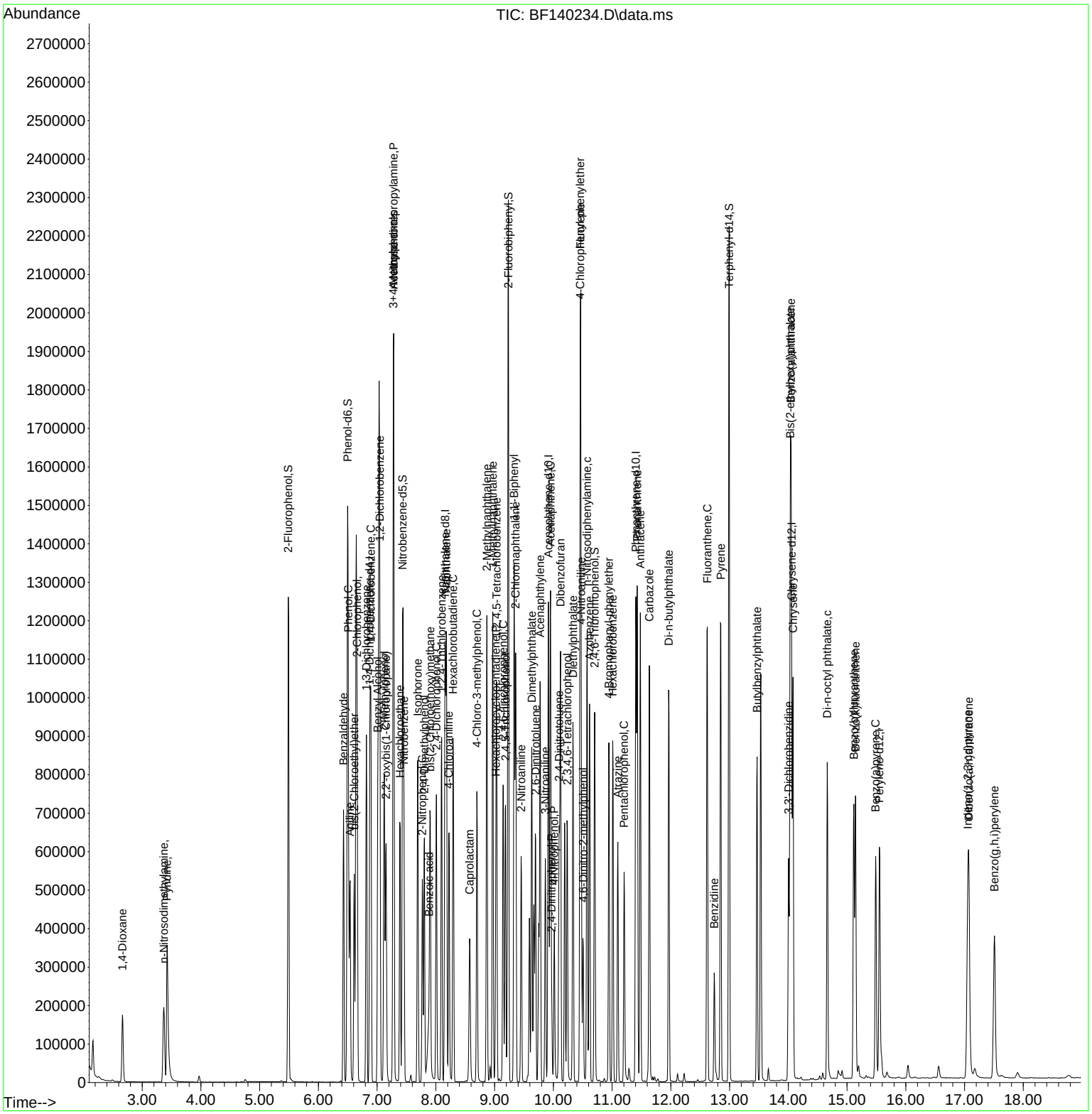
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140234.D
Acq On : 05 Nov 2024 13:45
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 05 16:06:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140235.D
Acq On : 05 Nov 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	201300	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	739114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	424404	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	741987	20.000	ng	0.00
76) Chrysene-d12	14.063	240	448378	20.000	ng	0.00
86) Perylene-d12	15.562	264	424484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	932970	76.807	ng	0.00
7) Phenol-d6	6.504	99	1203719	77.043	ng	0.00
23) Nitrobenzene-d5	7.445	82	1157828	77.884	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	328851	78.391	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2008505	75.569	ng	0.00
79) Terphenyl-d14	12.998	244	2078512	75.938	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	221368	39.639	ng	100
3) Pyridine	3.428	79	539515	39.593	ng	100
4) n-Nitrosodimethylamine	3.393	42	313834	39.892	ng	100
6) Aniline	6.545	93	549541	38.931	ng	100
8) 2-Chlorophenol	6.663	128	488589	38.443	ng	100
9) Benzaldehyde	6.428	77	382096	39.702	ng	100
10) Phenol	6.522	94	641151	38.639	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	486877	38.624	ng	100
12) 1,3-Dichlorobenzene	6.822	146	568767	38.189	ng	100
13) 1,4-Dichlorobenzene	6.898	146	573058	38.150	ng	100
14) 1,2-Dichlorobenzene	7.051	146	527138	37.573	ng	100
15) Benzyl Alcohol	7.016	79	475780	39.503	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	788093	38.624	ng	100
17) 2-Methylphenol	7.128	107	413733	39.023	ng	100
18) Hexachloroethane	7.392	117	214636	38.360	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	382128	38.338	ng	100
20) 3+4-Methylphenols	7.281	107	514005	38.602	ng	100
22) Acetophenone	7.287	105	701041	38.256	ng	100
24) Nitrobenzene	7.463	77	612281	39.252	ng	100
25) Isophorone	7.698	82	997249	38.959	ng	100
26) 2-Nitrophenol	7.775	139	252459	40.686	ng	100
27) 2,4-Dimethylphenol	7.804	122	330723	39.178	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	591584	38.620	ng	100
29) 2,4-Dichlorophenol	8.016	162	411115	39.367	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	484648	38.728	ng	100
31) Naphthalene	8.181	128	1465665	38.402	ng	100
32) Benzoic acid	7.928	122	285770	41.211	ng	100
33) 4-Chloroaniline	8.228	127	487566	38.804	ng	100
34) Hexachlorobutadiene	8.298	225	328083	38.733	ng	100
35) Caprolactam	8.610	113	125350	39.457	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	461679	39.706	ng	100
37) 2-Methylnaphthalene	8.869	142	952065	38.221	ng	100
38) 1-Methylnaphthalene	8.969	142	936784	38.369	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	477398	38.424	ng	100
41) Hexachlorocyclopentadiene	9.022	237	155401	44.636	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	306499	39.809	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140235.D
Acq On : 05 Nov 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	316737	39.126	ng	100
46) 1,1'-Biphenyl	9.339	154	1167873	38.070	ng	100
47) 2-Chloronaphthalene	9.363	162	891580	38.615	ng	100
48) 2-Nitroaniline	9.457	65	312804	40.511	ng	100
49) Acenaphthylene	9.780	152	1261736	38.599	ng	100
50) Dimethylphthalate	9.639	163	1010651	38.667	ng	100
51) 2,6-Dinitrotoluene	9.704	165	243054	39.561	ng	100
52) Acenaphthene	9.951	154	898486	38.752	ng	100
53) 3-Nitroaniline	9.875	138	227936	39.400	ng	100
54) 2,4-Dinitrophenol	9.975	184	108966	39.501	ng	100
55) Dibenzofuran	10.127	168	1245474	38.415	ng	100
56) 4-Nitrophenol	10.028	139	172375	42.377	ng	100
57) 2,4-Dinitrotoluene	10.104	165	317622	39.839	ng	100
58) Fluorene	10.469	166	979791	37.965	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	258822	39.028	ng	100
60) Diethylphthalate	10.339	149	1006201	38.739	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	493246	37.922	ng	100
62) 4-Nitroaniline	10.492	138	229397	39.902	ng	100
63) Azobenzene	10.622	77	1034313	38.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	162780	41.771	ng	100
66) n-Nitrosodiphenylamine	10.580	169	817000	38.283	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	309696	38.761	ng	100
68) Hexachlorobenzene	11.016	284	351085	38.549	ng	100
69) Atrazine	11.104	200	231662	39.677	ng	100
70) Pentachlorophenol	11.210	266	204837	41.885	ng	100
71) Phenanthrene	11.433	178	1357899	38.348	ng	100
72) Anthracene	11.486	178	1326144	38.193	ng	100
73) Carbazole	11.639	167	1219377	38.434	ng	100
74) Di-n-butylphthalate	11.969	149	1447372	38.540	ng	100
75) Fluoranthene	12.621	202	1409323	38.063	ng	100
77) Benzidine	12.745	184	438973	50.073	ng	100
78) Pyrene	12.851	202	1425552	38.506	ng	100
80) Butylbenzylphthalate	13.468	149	535390	40.162	ng	100
81) Benzo(a)anthracene	14.051	228	1104611	38.388	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	373765	41.363	ng	100
83) Chrysene	14.086	228	1034634	38.396	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	734105	39.291	ng	100
85) Di-n-octyl phthalate	14.674	149	1136607	40.417	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1014754	40.725	ng	100
88) Benzo(b)fluoranthene	15.127	252	1056855	41.161	ng	100
89) Benzo(k)fluoranthene	15.157	252	871802	37.002	ng	100
90) Benzo(a)pyrene	15.504	252	842886	39.816	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	830761	40.525	ng	100
92) Benzo(g,h,i)perylene	17.539	276	844017	40.360	ng	100

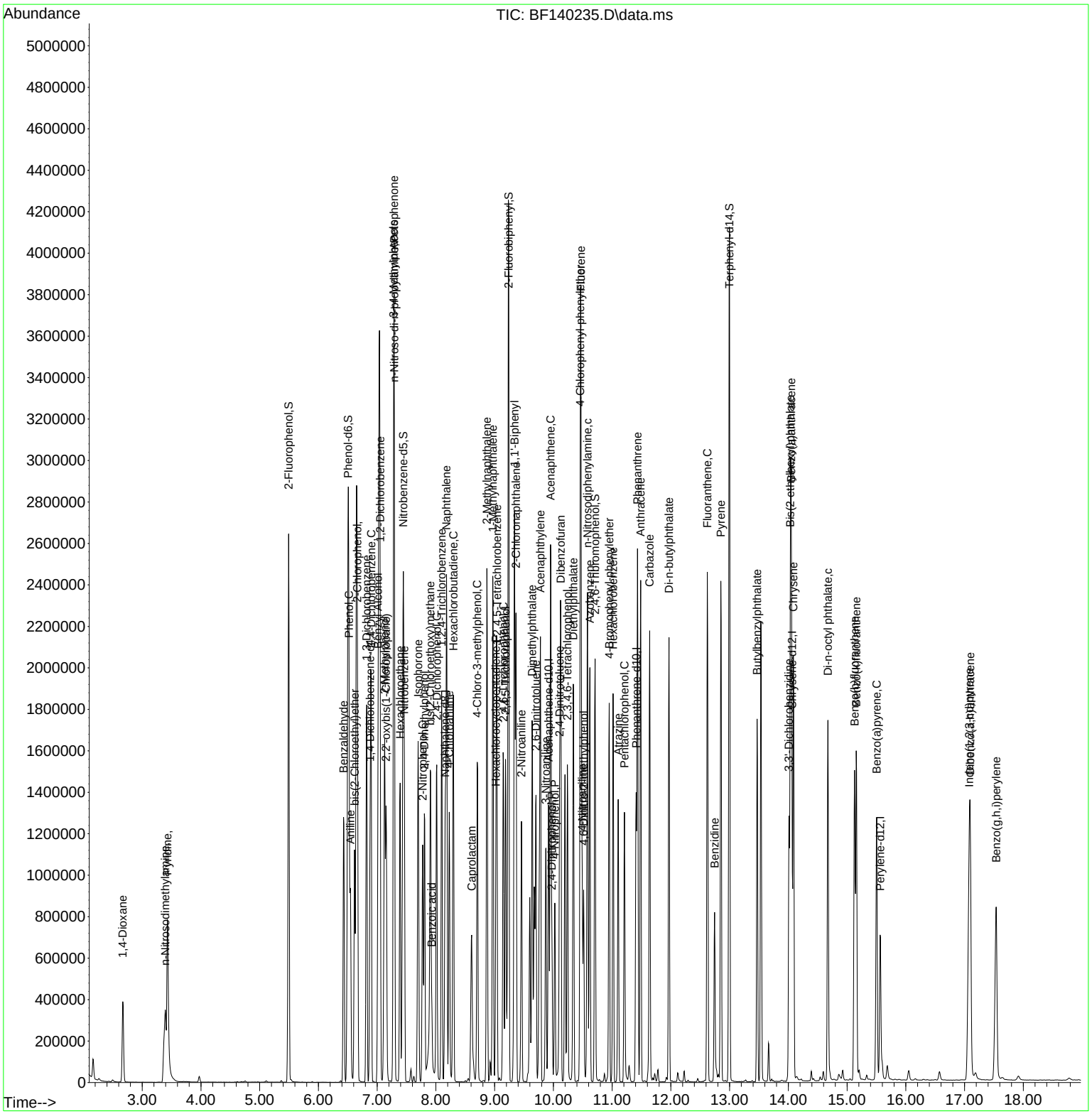
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140235.D
Acq On : 05 Nov 2024 14:11
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Nov 05 16:07:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140236.D
Acq On : 05 Nov 2024 14:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	191267	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	704633	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	400668	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	706355	20.000	ng	0.00
76) Chrysene-d12	14.063	240	414179	20.000	ng	0.00
86) Perylene-d12	15.568	264	413813	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1087870	94.257	ng	0.00
7) Phenol-d6	6.510	99	1398138	94.181	ng	0.00
23) Nitrobenzene-d5	7.445	82	1362891	96.164	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	395367	99.830	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2300668	91.690	ng	0.00
79) Terphenyl-d14	12.998	244	2410293	95.330	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	251379	47.374	ng	99
3) Pyridine	3.428	79	619596	47.855	ng	99
4) n-Nitrosodimethylamine	3.393	42	366611	49.044	ng	98
6) Aniline	6.545	93	629145	46.909	ng	100
8) 2-Chlorophenol	6.669	128	567354	46.982	ng	97
9) Benzaldehyde	6.428	77	401278	43.882	ng	99
10) Phenol	6.522	94	753287	47.778	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	574259	47.946	ng	100
12) 1,3-Dichlorobenzene	6.822	146	663180	46.863	ng	100
13) 1,4-Dichlorobenzene	6.898	146	666201	46.677	ng	100
14) 1,2-Dichlorobenzene	7.051	146	617459	46.320	ng	99
15) Benzyl Alcohol	7.022	79	548388	47.919	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	913475	47.118	ng	99
17) 2-Methylphenol	7.128	107	480339	47.682	ng	99
18) Hexachloroethane	7.392	117	250522	47.122	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	441208	46.587	ng	98
20) 3+4-Methylphenols	7.281	107	592825	46.857	ng	95
22) Acetophenone	7.292	105	812202	46.490	ng	95
24) Nitrobenzene	7.463	77	716391	48.173	ng	100
25) Isophorone	7.698	82	1160774	47.566	ng	100
26) 2-Nitrophenol	7.775	139	294047	49.707	ng	97
27) 2,4-Dimethylphenol	7.810	122	389731	48.427	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	686655	47.020	ng	99
29) 2,4-Dichlorophenol	8.016	162	475638	47.774	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	559810	46.924	ng	100
31) Naphthalene	8.181	128	1684351	46.291	ng	100
32) Benzoic acid	7.939	122	364495m	55.136	ng	
33) 4-Chloroaniline	8.228	127	566905	47.326	ng	99
34) Hexachlorobutadiene	8.298	225	383464	47.487	ng	100
35) Caprolactam	8.616	113	148595	49.063	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	533391	48.119	ng	99
37) 2-Methylnaphthalene	8.869	142	1102535	46.428	ng	99
38) 1-Methylnaphthalene	8.969	142	1078000	46.314	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	560341	47.772	ng	100
41) Hexachlorocyclopentadiene	9.022	237	177651	54.050	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	354951	48.833	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140236.D
Acq On : 05 Nov 2024 14:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 16:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	374740	49.033	ng	98
46) 1,1'-Biphenyl	9.339	154	1343825	46.401	ng	99
47) 2-Chloronaphthalene	9.363	162	1037538	47.599	ng	100
48) 2-Nitroaniline	9.457	65	363600	49.879	ng	99
49) Acenaphthylene	9.781	152	1467454	47.552	ng	100
50) Dimethylphthalate	9.645	163	1184161	47.989	ng	100
51) 2,6-Dinitrotoluene	9.704	165	286579	49.408	ng	99
52) Acenaphthene	9.951	154	1056679	48.275	ng	99
53) 3-Nitroaniline	9.875	138	267853	49.043	ng	100
54) 2,4-Dinitrophenol	9.980	184	135635	50.129	ng	90
55) Dibenzofuran	10.128	168	1426668	46.611	ng	99
56) 4-Nitrophenol	10.028	139	206577	53.794	ng	98
57) 2,4-Dinitrotoluene	10.110	165	373240	49.588	ng	99
58) Fluorene	10.469	166	1128891	46.333	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	309472	49.430	ng	98
60) Diethylphthalate	10.345	149	1172239	47.806	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	574398	46.777	ng	98
62) 4-Nitroaniline	10.492	138	266984	49.191	ng	100
63) Azobenzene	10.622	77	1201951	47.285	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	197108	53.132	ng	96
66) n-Nitrosodiphenylamine	10.580	169	958670	47.188	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	367228	48.280	ng	100
68) Hexachlorobenzene	11.016	284	415114	47.879	ng	100
69) Atrazine	11.104	200	223757	40.257	ng	99
70) Pentachlorophenol	11.210	266	245274	52.683	ng	98
71) Phenanthrene	11.433	178	1563197	46.372	ng	100
72) Anthracene	11.486	178	1555121	47.047	ng	100
73) Carbazole	11.639	167	1421225	47.056	ng	100
74) Di-n-butylphthalate	11.969	149	1696138	47.443	ng	100
75) Fluoranthene	12.621	202	1639320	46.508	ng	100
77) Benzidine	12.745	184	377913	46.668	ng	100
78) Pyrene	12.851	202	1627613	47.594	ng	100
80) Butylbenzylphthalate	13.469	149	622157	50.524	ng	100
81) Benzo(a)anthracene	14.051	228	1275487	47.986	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	420080	50.327	ng	99
83) Chrysene	14.092	228	1218930	48.971	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	854076	49.487	ng	99
85) Di-n-octyl phthalate	14.674	149	1310054	50.431	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	1212009	49.896	ng	100
88) Benzo(b)fluoranthene	15.133	252	1163683	46.490	ng	100
89) Benzo(k)fluoranthene	15.163	252	1122240	48.860	ng	100
90) Benzo(a)pyrene	15.510	252	1008660	48.875	ng	100
91) Dibenzo(a,h)anthracene	17.104	278	1001042	50.091	ng	99
92) Benzo(g,h,i)perylene	17.545	276	1010770	49.580	ng	99

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

ICAL Form

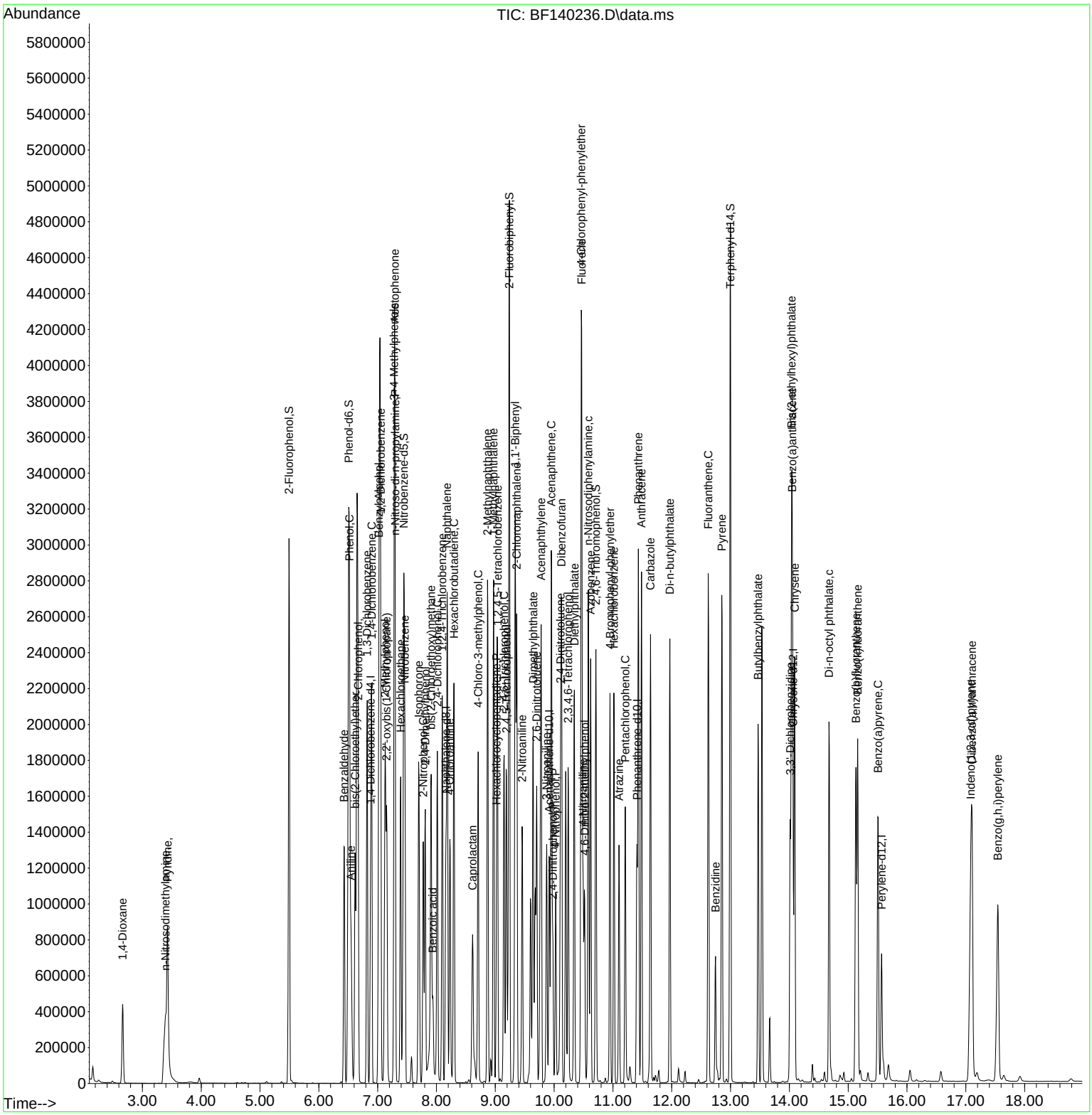
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140236.D
Acq On : 05 Nov 2024 14:37
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 05 16:08:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140237.D
Acq On : 05 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 16:09:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	187804	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	684182	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	389440	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	668545	20.000	ng	0.00
76) Chrysene-d12	14.063	240	387632	20.000	ng	0.00
86) Perylene-d12	15.562	264	389692	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1296648	114.418	ng	0.00
7) Phenol-d6	6.510	99	1654255	113.488	ng	0.00
23) Nitrobenzene-d5	7.445	82	1604122	116.569	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	471104	122.383	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2724284	111.703	ng	0.00
79) Terphenyl-d14	12.998	244	2744132	115.967	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	297087	57.021	ng	100
3) Pyridine	3.434	79	731256	57.521	ng	99
4) n-Nitrosodimethylamine	3.404	42	442704	60.316	ng	99
6) Aniline	6.545	93	731513	55.547	ng	94
8) 2-Chlorophenol	6.669	128	665689	56.141	ng	99
9) Benzaldehyde	6.434	77	463884	51.664	ng	99
10) Phenol	6.528	94	869995	56.198	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	676600	57.533	ng	98
12) 1,3-Dichlorobenzene	6.822	146	781851	56.268	ng	99
13) 1,4-Dichlorobenzene	6.898	146	789615	56.344	ng	99
14) 1,2-Dichlorobenzene	7.051	146	724385	55.343	ng	99
15) Benzyl Alcohol	7.022	79	650104	57.855	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1069466	56.181	ng	99
17) 2-Methylphenol	7.128	107	575947	58.227	ng	100
18) Hexachloroethane	7.392	117	302379	57.925	ng	97
19) n-Nitroso-di-n-propyla...	7.298	70	527285	56.703	ng	99
20) 3+4-Methylphenols	7.286	107	699944	56.344	ng	98
22) Acetophenone	7.292	105	969684	57.164	ng	99
24) Nitrobenzene	7.469	77	835593	57.869	ng	98
25) Isophorone	7.704	82	1395796	58.907	ng	100
26) 2-Nitrophenol	7.775	139	355080	61.819	ng	98
27) 2,4-Dimethylphenol	7.810	122	465488	59.570	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	819842	57.818	ng	100
29) 2,4-Dichlorophenol	8.016	162	568685	58.828	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	670528	57.884	ng	99
31) Naphthalene	8.186	128	1981135	56.075	ng	100
32) Benzoic acid	7.951	122	433149	67.479	ng	98
33) 4-Chloroaniline	8.233	127	663940	57.083	ng	99
34) Hexachlorobutadiene	8.298	225	456993	58.284	ng	99
35) Caprolactam	8.622	113	175832	59.792	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	631091	58.634	ng	99
37) 2-Methylnaphthalene	8.875	142	1286445	55.792	ng	99
38) 1-Methylnaphthalene	8.975	142	1270579	56.219	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	656406	57.575	ng	99
41) Hexachlorocyclopentadiene	9.028	237	211296	66.140	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	415949	58.875	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140237.D
Acq On : 05 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 16:09:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	447116	60.190	ng	99
46) 1,1'-Biphenyl	9.339	154	1574040	55.917	ng	99
47) 2-Chloronaphthalene	9.369	162	1214984	57.347	ng	100
48) 2-Nitroaniline	9.463	65	425232	60.015	ng	98
49) Acenaphthylene	9.780	152	1696341	56.553	ng	100
50) Dimethylphthalate	9.645	163	1379088	57.500	ng	100
51) 2,6-Dinitrotoluene	9.710	165	331667	58.830	ng	98
52) Acenaphthene	9.957	154	1215804	57.146	ng	100
53) 3-Nitroaniline	9.875	138	305987	57.641	ng	98
54) 2,4-Dinitrophenol	9.980	184	162012	60.200	ng	93
55) Dibenzofuran	10.127	168	1660046	55.799	ng	99
56) 4-Nitrophenol	10.033	139	235349	63.053	ng	98
57) 2,4-Dinitrotoluene	10.110	165	436570	59.675	ng	99
58) Fluorene	10.474	166	1302899	55.017	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	359884	59.139	ng	99
60) Diethylphthalate	10.345	149	1360979	57.103	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	664356	55.663	ng	99
62) 4-Nitroaniline	10.498	138	315006	59.713	ng	100
63) Azobenzene	10.622	77	1389839	56.253	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	232444	66.200	ng	100
66) n-Nitrosodiphenylamine	10.586	169	1100732	57.245	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	424672	58.989	ng	98
68) Hexachlorobenzene	11.022	284	485713	59.190	ng	96
69) Atrazine	11.110	200	276305	52.522	ng	98
70) Pentachlorophenol	11.210	266	288818	65.545	ng	98
71) Phenanthrene	11.433	178	1809268	56.708	ng	100
72) Anthracene	11.486	178	1755956	56.127	ng	100
73) Carbazole	11.639	167	1621848	56.735	ng	100
74) Di-n-butylphthalate	11.969	149	1938169	57.278	ng	99
75) Fluoranthene	12.621	202	1875187	56.208	ng	100
77) Benzidine	12.745	184	289825	38.241	ng	100
78) Pyrene	12.857	202	1855529	57.975	ng	100
80) Butylbenzylphthalate	13.468	149	711742	61.758	ng	100
81) Benzo(a)anthracene	14.051	228	1457853	58.604	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	466842	59.759	ng	99
83) Chrysene	14.092	228	1372108	58.900	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	965675	59.785	ng	99
85) Di-n-octyl phthalate	14.668	149	1501431	61.757	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1437454	62.840	ng	100
88) Benzo(b)fluoranthene	15.127	252	1503916	63.802	ng	100
89) Benzo(k)fluoranthene	15.157	252	1139517	52.683	ng	100
90) Benzo(a)pyrene	15.504	252	1176631	60.543	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	1169317	62.133	ng	100
92) Benzo(g,h,i)perylene	17.545	276	1189123	61.939	ng	99

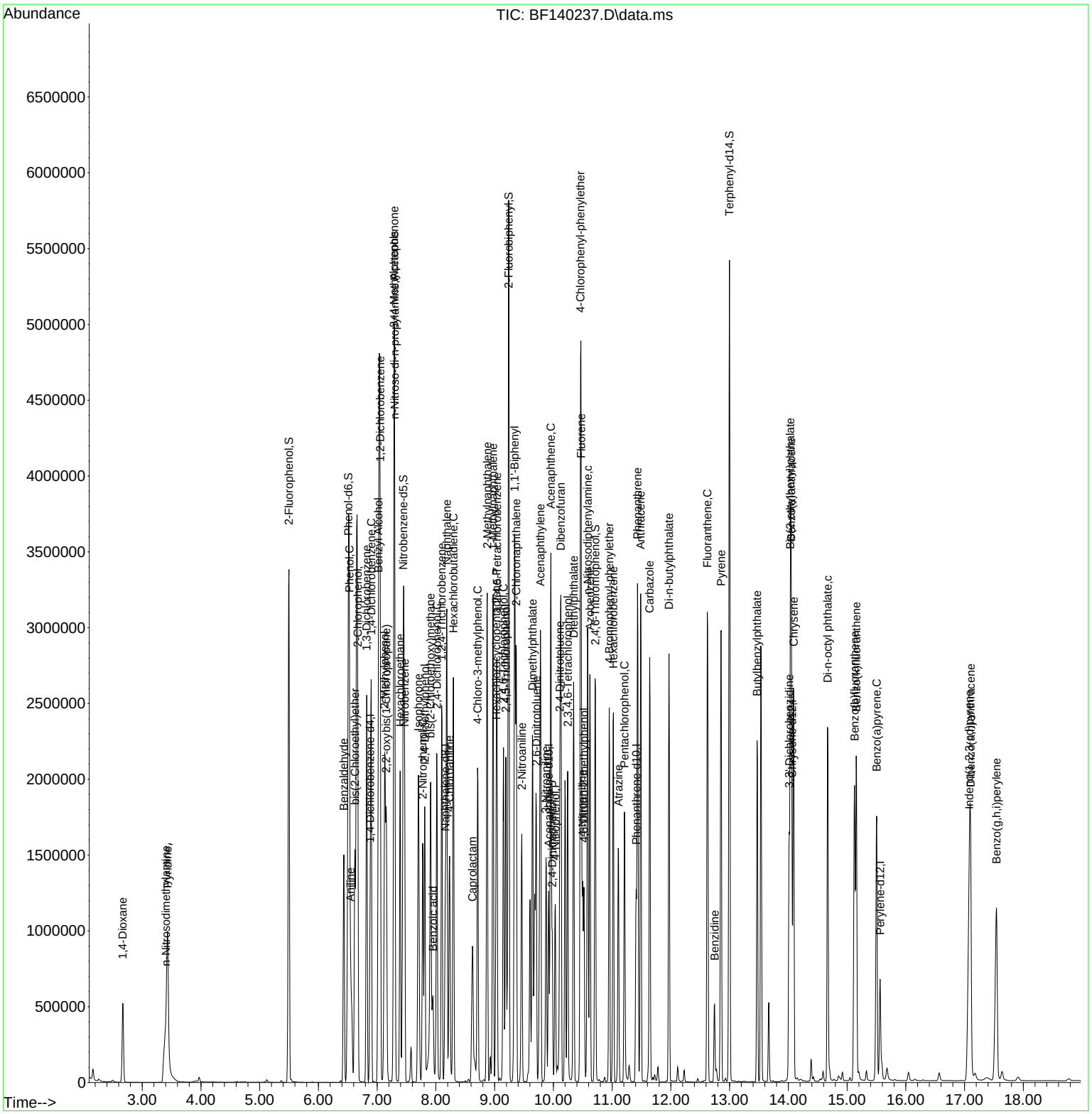
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140237.D
Acq On : 05 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 05 16:09:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140238.D
Acq On : 05 Nov 2024 15:30
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:10:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	179294	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	638854	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	363215	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	613476	20.000	ng	0.00
76) Chrysene-d12	14.063	240	360851	20.000	ng	0.00
86) Perylene-d12	15.557	264	375613	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1553298	143.571	ng	0.00
7) Phenol-d6	6.516	99	1997218	143.520	ng	0.01
23) Nitrobenzene-d5	7.451	82	1927630	150.016	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	566160	157.696	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	3186577	140.091	ng	0.00
79) Terphenyl-d14	12.998	244	3154306	143.194	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	366165	73.615	ng	99
3) Pyridine	3.440	79	884033	72.839	ng	99
4) n-Nitrosodimethylamine	3.416	42	535264	76.388	ng	98
6) Aniline	6.545	93	873525m	69.479	ng	
8) 2-Chlorophenol	6.669	128	803751	71.002	ng	98
9) Benzaldehyde	6.434	77	502710	58.646	ng	98
10) Phenol	6.534	94	1028744	69.607	ng	93
11) bis(2-Chloroethyl)ether	6.622	93	788669	70.245	ng	98
12) 1,3-Dichlorobenzene	6.822	146	948017	71.465	ng	98
13) 1,4-Dichlorobenzene	6.898	146	947921	70.851	ng	99
14) 1,2-Dichlorobenzene	7.057	146	861682	68.957	ng	99
15) Benzyl Alcohol	7.028	79	770810	71.853	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1264883	69.600	ng	97
17) 2-Methylphenol	7.134	107	698110	73.928	ng	98
18) Hexachloroethane	7.392	117	363441	72.927	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	635160	71.545	ng	98
20) 3+4-Methylphenols	7.292	107	824817	69.547	ng	93
22) Acetophenone	7.298	105	1157126	73.054	ng	97
24) Nitrobenzene	7.469	77	1011878	75.049	ng	99
25) Isophorone	7.704	82	1686916	76.244	ng	100
26) 2-Nitrophenol	7.781	139	430227	80.216	ng	99
27) 2,4-Dimethylphenol	7.816	122	552279	75.691	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	978867	73.931	ng	99
29) 2,4-Dichlorophenol	8.022	162	679091	75.233	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	802903	74.229	ng	99
31) Naphthalene	8.187	128	2354435	71.369	ng	99
32) Benzoic acid	7.963	122	552936	92.252	ng	99
33) 4-Chloroaniline	8.234	127	795029	73.203	ng	99
34) Hexachlorobutadiene	8.298	225	542123	74.047	ng	100
35) Caprolactam	8.634	113	209799	76.404	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	761412	75.762	ng	99
37) 2-Methylnaphthalene	8.875	142	1545877	71.800	ng	100
38) 1-Methylnaphthalene	8.975	142	1490940	70.650	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	781557	73.502	ng	98
41) Hexachlorocyclopentadiene	9.028	237	245812	82.499	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	521749	79.182	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140238.D
Acq On : 05 Nov 2024 15:30
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024

Quant Time: Nov 05 16:10:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	515907	74.465	ng	99
46) 1,1'-Biphenyl	9.345	154	1861824	70.916	ng	100
47) 2-Chloronaphthalene	9.369	162	1438094	72.779	ng	100
48) 2-Nitroaniline	9.463	65	511688	77.432	ng	100
49) Acenaphthylene	9.786	152	1981461	70.829	ng	99
50) Dimethylphthalate	9.651	163	1648568	73.699	ng	100
51) 2,6-Dinitrotoluene	9.710	165	395842	75.283	ng	99
52) Acenaphthene	9.957	154	1457019	73.428	ng	99
53) 3-Nitroaniline	9.880	138	360119	72.736	ng	99
54) 2,4-Dinitrophenol	9.980	184	206705	80.097	ng	93
55) Dibenzofuran	10.128	168	1923447	69.321	ng	98
56) 4-Nitrophenol	10.033	139	286572	82.320	ng	97
57) 2,4-Dinitrotoluene	10.116	165	511625	74.983	ng	96
58) Fluorene	10.475	166	1539044	69.681	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	432612	76.223	ng	99
60) Diethylphthalate	10.345	149	1594332	71.724	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	787851	70.776	ng	98
62) 4-Nitroaniline	10.504	138	368601	74.917	ng	99
63) Azobenzene	10.622	77	1629928	70.734	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	276945	85.954	ng	97
66) n-Nitrosodiphenylamine	10.586	169	1301106	73.739	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	507294	76.792	ng	98
68) Hexachlorobenzene	11.022	284	580637	77.109	ng	97
69) Atrazine	11.110	200	326635	67.663	ng	98
70) Pentachlorophenol	11.210	266	349278	86.381	ng	98
71) Phenanthrene	11.439	178	2082362	71.126	ng	100
72) Anthracene	11.486	178	2042359	71.142	ng	100
73) Carbazole	11.639	167	1862628	71.007	ng	99
74) Di-n-butylphthalate	11.969	149	2225588	71.676	ng	99
75) Fluoranthene	12.627	202	2135917	69.771	ng	100
77) Benzidine	12.745	184	405592	57.488	ng	100
78) Pyrene	12.857	202	2150940	72.192	ng	100
80) Butylbenzylphthalate	13.469	149	813988	75.871	ng	100
81) Benzo(a)anthracene	14.051	228	1722006	74.360	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	566018	77.832	ng	99
83) Chrysene	14.092	228	1605865	74.050	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1119347	74.442	ng	100
85) Di-n-octyl phthalate	14.668	149	1789365	79.062	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1789661	81.170	ng	100
88) Benzo(b)fluoranthene	15.127	252	1674832	73.716	ng	99
89) Benzo(k)fluoranthene	15.157	252	1553046	74.493	ng	100
90) Benzo(a)pyrene	15.498	252	1448461	77.324	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	1466580	80.849	ng	100
92) Benzo(g,h,i)perylene	17.545	276	1506017	81.386	ng	99

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

ICAL Form

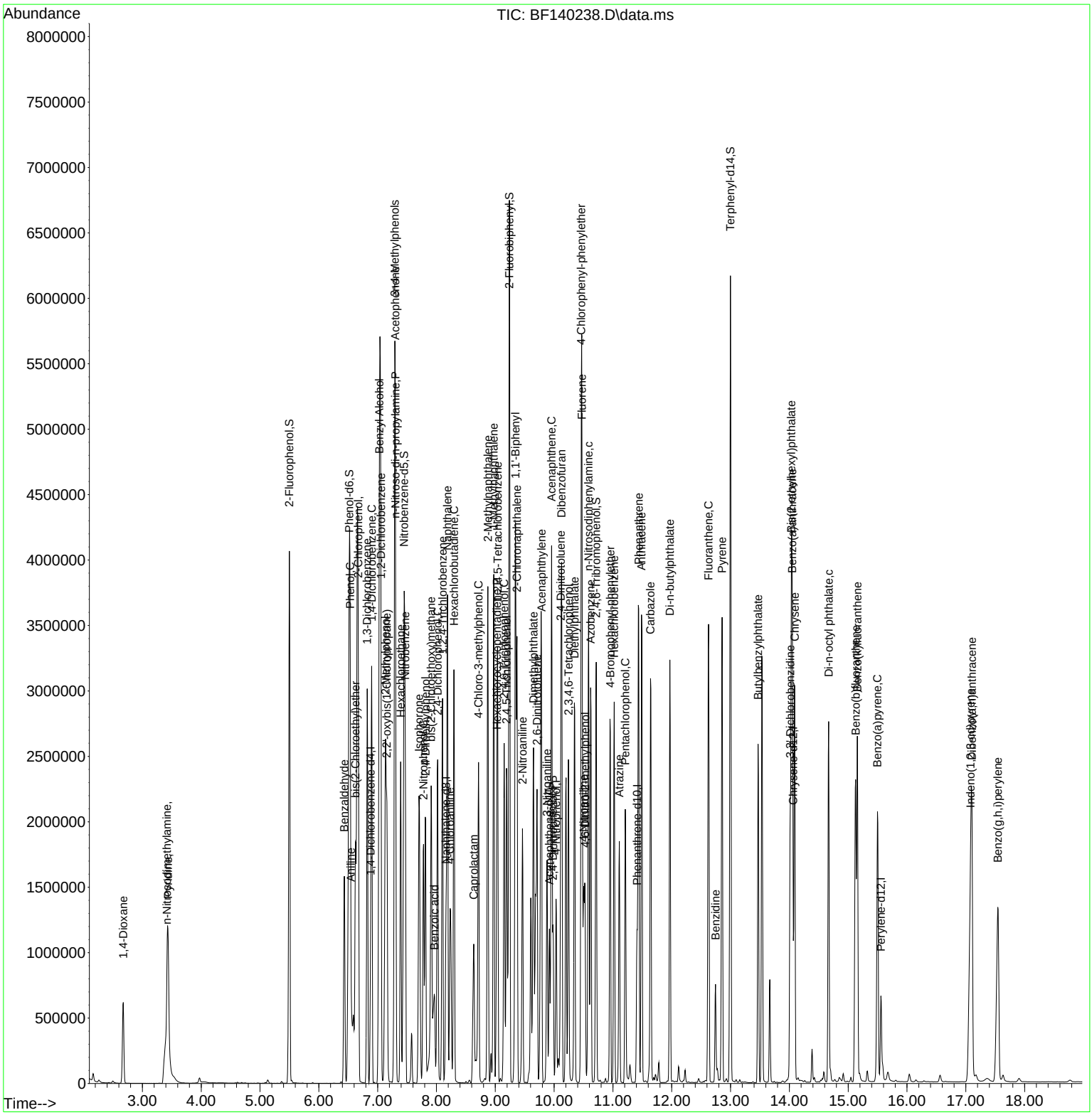
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140238.D
Acq On : 05 Nov 2024 15:30
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 05 16:10:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 15:55:36 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/06/2024
Supervised By :mohammad ahmed 11/06/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	201048	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	759123	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	435405	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	768315	20.000	ng	0.00
76) Chrysene-d12	14.068	240	458470	20.000	ng	0.00
86) Perylene-d12	15.586	264	426570	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	950662	78.362	ng	0.00
7) Phenol-d6	6.504	99	1208283	77.432	ng	0.00
23) Nitrobenzene-d5	7.445	82	1172862	76.816	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	348804	81.047	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2039648	74.802	ng	0.00
79) Terphenyl-d14	12.998	244	2159767	77.169	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.663	88	220111	39.464	ng	99
3) Pyridine	3.422	79	536919	39.452	ng	99
4) n-Nitrosodimethylamine	3.387	42	308453	39.257	ng	98
6) Aniline	6.545	93	564115	40.014	ng	99
8) 2-Chlorophenol	6.663	128	491144	38.692	ng	100
9) Benzaldehyde	6.428	77	382393	39.783	ng	99
10) Phenol	6.522	94	645216	38.933	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	495460	39.355	ng	98
12) 1,3-Dichlorobenzene	6.822	146	578364	38.882	ng	99
13) 1,4-Dichlorobenzene	6.898	146	576062	38.398	ng	99
14) 1,2-Dichlorobenzene	7.051	146	535197	38.196	ng	99
15) Benzyl Alcohol	7.016	79	472112	39.247	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	782550	38.401	ng	100
17) 2-Methylphenol	7.128	107	415570	39.246	ng	100
18) Hexachloroethane	7.392	117	220724	39.497	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	383204	38.494	ng	99
20) 3+4-Methylphenols	7.281	107	520181	39.115	ng	99
22) Acetophenone	7.287	105	709958	37.721	ng	99
24) Nitrobenzene	7.463	77	607962	37.948	ng	98
25) Isophorone	7.698	82	1006205	38.273	ng	100
26) 2-Nitrophenol	7.775	139	257144	40.349	ng	99
27) 2,4-Dimethylphenol	7.810	122	339849	39.198	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	598024	38.011	ng	99
29) 2,4-Dichlorophenol	8.016	162	420190	39.176	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	492037	38.282	ng	99
31) Naphthalene	8.181	128	1471734	37.544	ng	100
32) Benzoic acid	7.928	122	309063	43.437	ng	98
33) 4-Chloroaniline	8.228	127	489727	37.948	ng	99
34) Hexachlorobutadiene	8.298	225	335056	38.514	ng	99
35) Caprolactam	8.610	113	128447	39.367	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	469388	39.305	ng	99
37) 2-Methylnaphthalene	8.869	142	966236	37.768	ng	100
38) 1-Methylnaphthalene	8.969	142	951613	37.949	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	496500	38.952	ng	99
41) Hexachlorocyclopentadiene	9.022	237	149082	41.739	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	312622	39.578	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	332641	40.052	ng	98
46) 1,1'-Biphenyl	9.339	154	1191279	37.852	ng	100
47) 2-Chloronaphthalene	9.363	162	899403	37.970	ng	99
48) 2-Nitroaniline	9.457	65	316714	39.981	ng	100
49) Acenaphthylene	9.780	152	1298263	38.713	ng	99
50) Dimethylphthalate	9.645	163	1040659	38.809	ng	100
51) 2,6-Dinitrotoluene	9.704	165	253186	40.169	ng	99
52) Acenaphthene	9.957	154	919653	38.663	ng	99
53) 3-Nitroaniline	9.875	138	238606	40.203	ng	100
54) 2,4-Dinitrophenol	9.980	184	111523	39.421	ng	89
55) Dibenzofuran	10.128	168	1266586	38.079	ng	100
56) 4-Nitrophenol	10.028	139	180092	43.155	ng	98
57) 2,4-Dinitrotoluene	10.110	165	326533	39.922	ng	99
58) Fluorene	10.469	166	999362	37.745	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	274661	40.370	ng	97
60) Diethylphthalate	10.345	149	1041374	39.080	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	508846	38.133	ng	98
62) 4-Nitroaniline	10.492	138	238231	40.392	ng	99
63) Azobenzene	10.622	77	1047395	37.917	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	168609	41.784	ng	93
66) n-Nitrosodiphenylamine	10.580	169	846277	38.296	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	322387	38.966	ng	99
68) Hexachlorobenzene	11.016	284	369444	39.175	ng	99
69) Atrazine	11.104	200	237217	39.237	ng	98
70) Pentachlorophenol	11.210	266	218133	43.075	ng	98
71) Phenanthrene	11.433	178	1395108	38.048	ng	100
72) Anthracene	11.486	178	1363354	37.919	ng	100
73) Carbazole	11.639	167	1265126	38.509	ng	99
74) Di-n-butylphthalate	11.969	149	1533416	39.432	ng	100
75) Fluoranthene	12.627	202	1470702	38.360	ng	99
77) Benzidine	12.745	184	558339	62.287	ng	99
78) Pyrene	12.857	202	1479380	39.081	ng	99
80) Butylbenzylphthalate	13.474	149	566979	41.595	ng	97
81) Benzo(a)anthracene	14.057	228	1179757	40.097	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	392180	42.445	ng	98
83) Chrysene	14.098	228	1057688	38.388	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	774375	40.534	ng	100
85) Di-n-octyl phthalate	14.692	149	1203695	41.861	ng	100
87) Indeno(1,2,3-cd)pyrene	17.104	276	1022918	40.852	ng	100
88) Benzo(b)fluoranthene	15.151	252	1006845	39.022	ng	99
89) Benzo(k)fluoranthene	15.180	252	946907	39.994	ng	99
90) Benzo(a)pyrene	15.527	252	854325	40.159	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	839533	40.753	ng	99
92) Benzo(g,h,i)perylene	17.568	276	844908	40.205	ng	99

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
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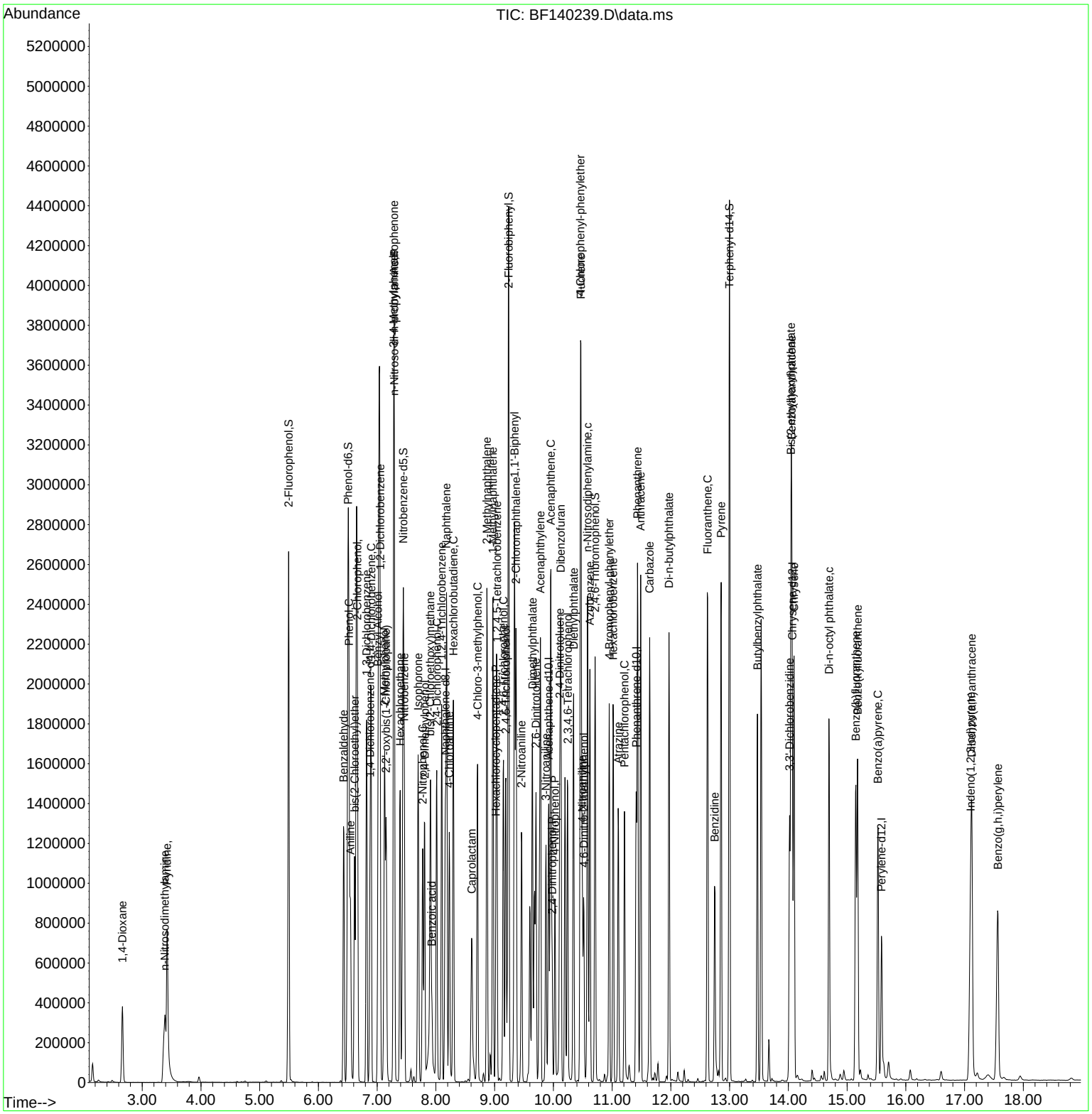

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2		1,4-Dioxane	0.555	0.547	1.4	99	0.00
3		Pyridine	1.354	1.335	1.4	100	0.00
4		n-Nitrosodimethylamine	0.782	0.767	1.9	98	0.00
5	S	2-Fluorophenol	1.207	1.182	2.1	102	0.00
6		Aniline	1.402	1.403	-0.1	103	0.00
7	S	Phenol-d6	1.552	1.502	3.2	100	0.00
8		2-Chlorophenol	1.263	1.221	3.3	101	0.00
9		Benzaldehyde	0.956	0.951	0.5	100	0.00
10	C	Phenol	1.649	1.605	2.7	101	0.00
11		bis(2-Chloroethyl)ether	1.252	1.232	1.6	102	0.00
12		1,3-Dichlorobenzene	1.480	1.438	2.8	102	0.00
13	C	1,4-Dichlorobenzene	1.492	1.433	4.0	101	0.00
14		1,2-Dichlorobenzene	1.394	1.331	4.5	102	0.00
15		Benzyl Alcohol	1.197	1.174	1.9	99	0.00
16		2,2'-oxybis(1-Chloropropane	2.027	1.946	4.0	99	0.00
17		2-Methylphenol	1.053	1.034	1.8	100	0.00
18		Hexachloroethane	0.556	0.549	1.3	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.990	0.953	3.7	100	0.00
20		3+4-Methylphenols	1.323	1.294	2.2	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.496	0.468	5.6	101	0.00
23	S	Nitrobenzene-d5	0.402	0.386	4.0	101	0.00
24		Nitrobenzene	0.422	0.400	5.2	99	0.00
25		Isophorone	0.693	0.663	4.3	101	0.00
26	C	2-Nitrophenol	0.168	0.169	-0.6	102	0.00
27		2,4-Dimethylphenol	0.228	0.224	1.8	103	0.00
28		bis(2-Chloroethoxy)methane	0.415	0.394	5.1	101	0.00
29	C	2,4-Dichlorophenol	0.283	0.277	2.1	102	0.00
30		1,2,4-Trichlorobenzene	0.339	0.324	4.4	102	0.00
31		Naphthalene	1.033	0.969	6.2	100	0.00
32		Benzoic acid	0.187	0.204	-9.1	108	0.00
33		4-Chloroaniline	0.340	0.323	5.0	100	0.00
34	C	Hexachlorobutadiene	0.229	0.221	3.5	102	0.00
35		Caprolactam	0.086	0.085	1.2	102	0.00
36	C	4-Chloro-3-methylphenol	0.315	0.309	1.9	102	0.00
37		2-Methylnaphthalene	0.674	0.636	5.6	101	0.00
38		1-Methylnaphthalene	0.661	0.627	5.1	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.570	2.7	104	0.00
41	P	Hexachlorocyclopentadiene	0.164	0.171	-4.3	96	0.00
42	S	2,4,6-Tribromophenol	0.198	0.200	-1.0	106	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.359	1.1	102	0.00
44		2,4,5-Trichlorophenol	0.381	0.382	-0.3	105	0.00
45	S	2-Fluorobiphenyl	1.253	1.171	6.5	102	0.00
46		1,1'-Biphenyl	1.446	1.368	5.4	102	0.00
47		2-Chloronaphthalene	1.088	1.033	5.1	101	0.00

ICAL Form

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Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.364	0.364	0.0	101	0.00
49		Acenaphthylene	1.540	1.491	3.2	103	0.00
50		Dimethylphthalate	1.232	1.195	3.0	103	0.00
51		2,6-Dinitrotoluene	0.290	0.291	-0.3	104	0.00
52	C	Acenaphthene	1.093	1.056	3.4	102	0.00
53		3-Nitroaniline	0.273	0.274	-0.4	105	0.00
54	P	2,4-Dinitrophenol	0.120	0.128	-6.7	102	0.00
55		Dibenzofuran	1.528	1.454	4.8	102	0.00
56	P	4-Nitrophenol	0.192	0.207	-7.8	104	0.00
57		2,4-Dinitrotoluene	0.376	0.375	0.3	103	0.00
58		Fluorene	1.216	1.148	5.6	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.315	-0.6	106	0.00
60		Diethylphthalate	1.224	1.196	2.3	103	0.00
61		4-Chlorophenyl-phenylether	0.613	0.584	4.7	103	0.00
62		4-Nitroaniline	0.271	0.274	-1.1	104	0.00
63		Azobenzene	1.269	1.203	5.2	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.105	0.110	-4.8	104	0.00
66	c	n-Nitrosodiphenylamine	0.575	0.551	4.2	104	0.00
67		4-Bromophenyl-phenylether	0.215	0.210	2.3	104	0.00
68		Hexachlorobenzene	0.245	0.240	2.0	105	0.00
69		Atrazine	0.157	0.154	1.9	102	0.00
70	C	Pentachlorophenol	0.132	0.142	-7.6	106	0.00
71		Phenanthrene	0.954	0.908	4.8	103	0.00
72		Anthracene	0.936	0.887	5.2	103	0.00
73		Carbazole	0.855	0.823	3.7	104	0.00
74		Di-n-butylphthalate	1.012	0.998	1.4	106	0.00
75	C	Fluoranthene	0.998	0.957	4.1	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.391	0.609	-55.8#	127	0.00
78		Pyrene	1.651	1.613	2.3	104	0.00
79	S	Terphenyl-d14	1.221	1.178	3.5	104	0.00
80		Butylbenzylphthalate	0.595	0.618	-3.9	106	0.00
81		Benzo(a)anthracene	1.284	1.287	-0.2	107	0.00
82		3,3'-Dichlorobenzidine	0.403	0.428	-6.2	105	0.01
83		Chrysene	1.202	1.153	4.1	102	0.01
84		Bis(2-ethylhexyl)phthalate	0.833	0.845	-1.4	105	0.01
85	c	Di-n-octyl phthalate	1.254	1.313	-4.7	106	0.02
86	I	Perylene-d12	1.000	1.000	0.0	100	0.02
87		Indeno(1,2,3-cd)pyrene	1.174	1.199	-2.1	101	0.02
88		Benzo(b)fluoranthene	1.210	1.180	2.5	95	0.02
89		Benzo(k)fluoranthene	1.110	1.110	0.0	109	0.02
90	C	Benzo(a)pyrene	0.997	1.001	-0.4	101	0.02
91		Dibenzo(a,h)anthracene	0.966	0.984	-1.9	101	0.02
92		Benzo(g,h,i)perylene	0.985	0.990	-0.5	100	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
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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	100	0.00
2		1,4-Dioxane	40.000	39.464	1.3	99	0.00
3		Pyridine	40.000	39.452	1.4	100	0.00
4		n-Nitrosodimethylamine	40.000	39.257	1.9	98	0.00
5	S	2-Fluorophenol	80.000	78.362	2.0	102	0.00
6		Aniline	40.000	40.014	-0.0	103	0.00
7	S	Phenol-d6	80.000	77.432	3.2	100	0.00
8		2-Chlorophenol	40.000	38.692	3.3	101	0.00
9		Benzaldehyde	40.000	39.783	0.5	100	0.00
10	C	Phenol	40.000	38.933	2.7	101	0.00
11		bis(2-Chloroethyl)ether	40.000	39.355	1.6	102	0.00
12		1,3-Dichlorobenzene	40.000	38.882	2.8	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.398	4.0	101	0.00
14		1,2-Dichlorobenzene	40.000	38.196	4.5	102	0.00
15		Benzyl Alcohol	40.000	39.247	1.9	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.401	4.0	99	0.00
17		2-Methylphenol	40.000	39.246	1.9	100	0.00
18		Hexachloroethane	40.000	39.497	1.3	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.494	3.8	100	0.00
20		3+4-Methylphenols	40.000	39.115	2.2	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	37.721	5.7	101	0.00
23	S	Nitrobenzene-d5	80.000	76.816	4.0	101	0.00
24		Nitrobenzene	40.000	37.948	5.1	99	0.00
25		Isophorone	40.000	38.273	4.3	101	0.00
26	C	2-Nitrophenol	40.000	40.349	-0.9	102	0.00
27		2,4-Dimethylphenol	40.000	39.198	2.0	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.011	5.0	101	0.00
29	C	2,4-Dichlorophenol	40.000	39.176	2.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	38.282	4.3	102	0.00
31		Naphthalene	40.000	37.544	6.1	100	0.00
32		Benzoic acid	40.000	43.437	-8.6	108	0.00
33		4-Chloroaniline	40.000	37.948	5.1	100	0.00
34	C	Hexachlorobutadiene	40.000	38.514	3.7	102	0.00
35		Caprolactam	40.000	39.367	1.6	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.305	1.7	102	0.00
37		2-Methylnaphthalene	40.000	37.768	5.6	101	0.00
38		1-Methylnaphthalene	40.000	37.949	5.1	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.952	2.6	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.739	-4.3	96	0.00
42	S	2,4,6-Tribromophenol	80.000	81.047	-1.3	106	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.578	1.1	102	0.00
44		2,4,5-Trichlorophenol	40.000	40.052	-0.1	105	0.00
45	S	2-Fluorobiphenyl	80.000	74.802	6.5	102	0.00
46		1,1'-Biphenyl	40.000	37.852	5.4	102	0.00
47		2-Chloronaphthalene	40.000	37.970	5.1	101	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.981	0.0	101	0.00
49		Acenaphthylene	40.000	38.713	3.2	103	0.00
50		Dimethylphthalate	40.000	38.809	3.0	103	0.00
51		2,6-Dinitrotoluene	40.000	40.169	-0.4	104	0.00
52	C	Acenaphthene	40.000	38.663	3.3	102	0.00
53		3-Nitroaniline	40.000	40.203	-0.5	105	0.00
54	P	2,4-Dinitrophenol	40.000	39.421	1.4	102	0.00
55		Dibenzofuran	40.000	38.079	4.8	102	0.00
56	P	4-Nitrophenol	40.000	43.155	-7.9	104	0.00
57		2,4-Dinitrotoluene	40.000	39.922	0.2	103	0.00
58		Fluorene	40.000	37.745	5.6	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.370	-0.9	106	0.00
60		Diethylphthalate	40.000	39.080	2.3	103	0.00
61		4-Chlorophenyl-phenylether	40.000	38.133	4.7	103	0.00
62		4-Nitroaniline	40.000	40.392	-1.0	104	0.00
63		Azobenzene	40.000	37.917	5.2	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.784	-4.5	104	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.296	4.3	104	0.00
67		4-Bromophenyl-phenylether	40.000	38.966	2.6	104	0.00
68		Hexachlorobenzene	40.000	39.175	2.1	105	0.00
69		Atrazine	40.000	39.237	1.9	102	0.00
70	C	Pentachlorophenol	40.000	43.075	-7.7	106	0.00
71		Phenanthrene	40.000	38.048	4.9	103	0.00
72		Anthracene	40.000	37.919	5.2	103	0.00
73		Carbazole	40.000	38.509	3.7	104	0.00
74		Di-n-butylphthalate	40.000	39.432	1.4	106	0.00
75	C	Fluoranthene	40.000	38.360	4.1	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	62.287	-55.7#	127	0.00
78		Pyrene	40.000	39.081	2.3	104	0.00
79	S	Terphenyl-d14	80.000	77.169	3.5	104	0.00
80		Butylbenzylphthalate	40.000	41.595	-4.0	106	0.00
81		Benzo(a)anthracene	40.000	40.097	-0.2	107	0.00
82		3,3'-Dichlorobenzidine	40.000	42.445	-6.1	105	0.01
83		Chrysene	40.000	38.388	4.0	102	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.534	-1.3	105	0.01
85	c	Di-n-octyl phthalate	40.000	41.861	-4.7	106	0.02
86	I	Perylene-d12	20.000	20.000	0.0	100	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.852	-2.1	101	0.02
88		Benzo(b)fluoranthene	40.000	39.022	2.4	95	0.02
89		Benzo(k)fluoranthene	40.000	39.994	0.0	109	0.02
90	C	Benzo(a)pyrene	40.000	40.159	-0.4	101	0.02
91		Dibenzo(a,h)anthracene	40.000	40.753	-1.9	101	0.02
92		Benzo(g,h,i)perylene	40.000	40.205	-0.5	100	0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140239.D
Acq On : 05 Nov 2024 16:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

Quant Time: Nov 05 16:49:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/08/2024 10:07

Lab File ID: BE101544.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.177	1.299		10.4	
2-Fluorophenol	1.131	1.156		2.2	
Phenol-d6	1.551	1.606		3.5	
1,4-Dichlorobenzene	1.482	1.484		0.1	20.0
2-Methylphenol	1.093	1.113		1.8	
3+4-Methylphenols	1.515	1.581		4.4	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.497		-0.6	
Nitrobenzene	0.329	0.344		4.6	
Hexachlorobutadiene	0.198	0.190		-4.0	20.0
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.192		-2.7	
2,4,5-Trichlorophenol	0.403	0.404		0.2	
2,4-Dinitrotoluene	0.462	0.497		7.6	
2,4,6-Tribromophenol	0.376	0.380		1.1	
Hexachlorobenzene	0.290	0.292		0.7	
Pentachlorophenol	0.158	0.168		6.3	20.0
Terphenyl-d14	0.904	0.945		4.5	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.558	152	51174	20.000	ng		0.00
21) Naphthalene-d8	10.326	136	237509	20.000	ng		0.00
39) Acenaphthene-d10	14.174	164	179651	20.000	ng		0.00
64) Phenanthrene-d10	16.912	188	420948	20.000	ng		0.00
76) Chrysene-d12	21.072	240	472751	20.000	ng		0.00
86) Perylene-d12	23.357	264	602462	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.314	112	236611	81.754	ng		0.00
7) Phenol-d6	6.941	99	328691	82.833	ng		0.00
23) Nitrobenzene-d5	8.769	82	312679	83.156	ng		0.00
42) 2,4,6-Tribromophenol	15.678	330	273256	80.833	ng		0.00
45) 2-Fluorobiphenyl	12.793	172	856759	77.869	ng		0.00
79) Terphenyl-d14	19.503	244	1787654	83.703	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.187	88	43939	40.796	ng		97
3) Pyridine	3.616	79	132966m	44.143	ng		
4) n-Nitrosodimethylamine	3.539	42	51359	43.058	ng		99
6) Aniline	7.000	93	99499	33.409	ng		97
8) 2-Chlorophenol	7.206	128	139458	40.672	ng		98
9) Benzaldehyde	6.765	77	67268	34.656	ng		99
10) Phenol	6.965	94	179912	41.653	ng		99
11) bis(2-Chloroethyl)ether	7.024	93	165037m	46.155	ng		
12) 1,3-Dichlorobenzene	7.447	146	149848	40.030	ng		99
13) 1,4-Dichlorobenzene	7.593	146	151916	40.067	ng		99
14) 1,2-Dichlorobenzene	7.922	146	149116	40.065	ng		99
15) Benzyl Alcohol	7.893	79	98580	42.529	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.063	45	174241	41.166	ng		96
17) 2-Methylphenol	8.146	107	113951	40.749	ng		99
18) Hexachloroethane	8.616	117	50871	39.729	ng		98
19) n-Nitroso-di-n-propyla...	8.363	70	110591	42.268	ng		99
20) 3+4-Methylphenols	8.486	107	161794	41.727	ng		97
22) Acetophenone	8.410	105	215384	40.043	ng	#	99
24) Nitrobenzene	8.810	77	163457	41.795	ng		97
25) Isophorone	9.262	82	305817	41.792	ng		99
26) 2-Nitrophenol	9.497	139	85922	41.283	ng		99
27) 2,4-Dimethylphenol	9.615	122	96588	40.108	ng		97
28) bis(2-Chloroethoxy)met...	9.756	93	180210	40.232	ng		99
29) 2,4-Dichlorophenol	10.055	162	139985	40.947	ng		98
30) 1,2,4-Trichlorobenzene	10.173	180	148845	39.001	ng		100
31) Naphthalene	10.373	128	479224	39.967	ng		100
32) Benzoic acid	9.897	122	94456	42.834	ng		99
33) 4-Chloroaniline	10.602	127	178461	42.324	ng		98
34) Hexachlorobutadiene	10.625	225	90206	38.348	ng		98
35) Caprolactam	11.383	113	57396	45.719	ng		90
36) 4-Chloro-3-methylphenol	11.783	107	162513	43.532	ng		98
37) 2-Methylnaphthalene	11.965	142	349131	40.995	ng		98
38) 1-Methylnaphthalene	12.194	142	347270	40.889	ng		100
40) 1,2,4,5-Tetrachloroben...	12.323	216	175622	37.079	ng		100
41) Hexachlorocyclopentadiene	12.306	237	54568	39.479	ng		99
43) 2,4,6-Trichlorophenol	12.646	196	128512	39.507	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	144979	40.006	ng	97
46) 1,1'-Biphenyl	12.999	154	476785	38.475	ng	99
47) 2-Chloronaphthalene	13.046	162	376267	38.497	ng	99
48) 2-Nitroaniline	13.375	65	114738	44.348	ng	94
49) Acenaphthylene	13.904	152	588289	40.390	ng	99
50) Dimethylphthalate	13.675	163	519405	40.601	ng	100
51) 2,6-Dinitrotoluene	13.816	165	123306	41.761	ng	99
52) Acenaphthene	14.233	154	375195	40.367	ng	99
53) 3-Nitroaniline	14.227	138	127306	44.412	ng	100
54) 2,4-Dinitrophenol	14.362	184	79363	45.866	ng	96
55) Dibenzofuran	14.579	168	600773	40.139	ng	99
56) 4-Nitrophenol	14.650	139	106187	44.862	ng	93
57) 2,4-Dinitrotoluene	14.603	165	178718	43.083	ng	99
58) Fluorene	15.214	166	516260	41.330	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.850	232	136587	40.732	ng	99
60) Diethylphthalate	15.002	149	559909	41.509	ng	100
61) 4-Chlorophenyl-phenyle...	15.202	204	254962	40.196	ng	99
62) 4-Nitroaniline	15.414	138	140722	45.566	ng	97
63) Azobenzene	15.496	77	472139	42.904	ng	97
65) 4,6-Dinitro-2-methylph...	15.343	198	110950	44.402	ng	94
66) n-Nitrosodiphenylamine	15.455	169	451302	40.398	ng	100
67) 4-Bromophenyl-phenylether	16.089	248	180499	38.878	ng	98
68) Hexachlorobenzene	16.195	284	245701	40.211	ng	98
69) Atrazine	16.389	200	141676	42.956	ng	98
70) Pentachlorophenol	16.606	266	141175	42.583	ng	99
71) Phenanthrene	16.953	178	823366	40.216	ng	99
72) Anthracene	17.041	178	823243	40.718	ng	100
73) Carbazole	17.370	167	823854	40.633	ng	99
74) Di-n-butylphthalate	17.811	149	1011598	40.401	ng	100
75) Fluoranthene	18.957	202	1051631	40.062	ng	100
77) Benzidine	19.209	184	393870	38.785	ng	100
78) Pyrene	19.327	202	1109254	41.238	ng	100
80) Butylbenzylphthalate	20.173	149	492931	40.778	ng	98
81) Benzo(a)anthracene	21.054	228	1150750	40.986	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	449864	40.702	ng	99
83) Chrysene	21.107	228	1076464	40.336	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	721606	39.484	ng	100
85) Di-n-octyl phthalate	21.718	149	1227903	39.714	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1665892	40.238	ng	99
88) Benzo(b)fluoranthene	22.652	252	1296785	39.233	ng	100
89) Benzo(k)fluoranthene	22.693	252	1255242	41.834	ng	100
90) Benzo(a)pyrene	23.252	252	1154661	40.463	ng	100
91) Dibenzo(a,h)anthracene	25.684	278	1396259	40.495	ng	100
92) Benzo(g,h,i)perylene	26.436	276	1379884	39.391	ng	99

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

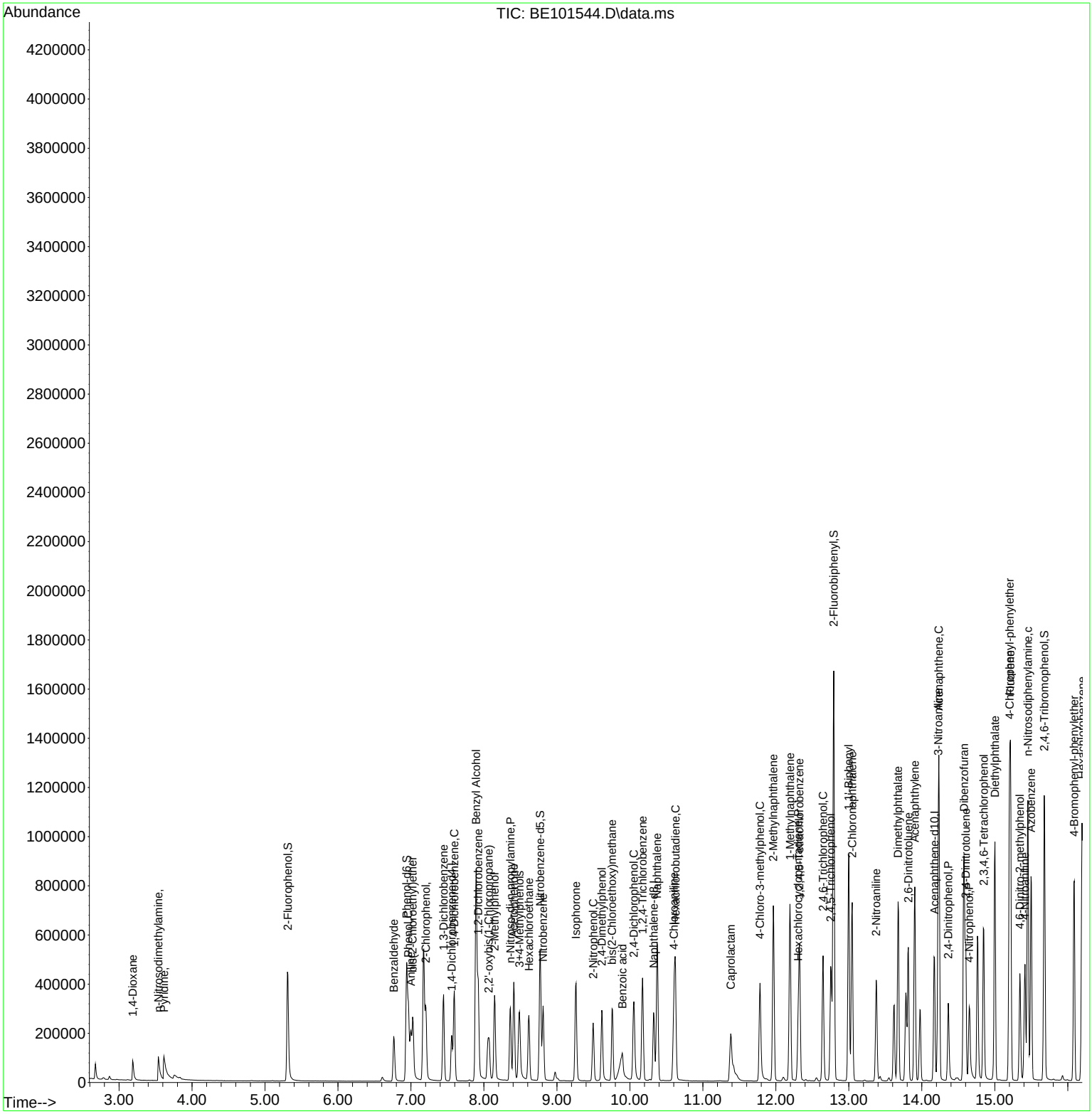
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



Sample Results: **BE101544.D**

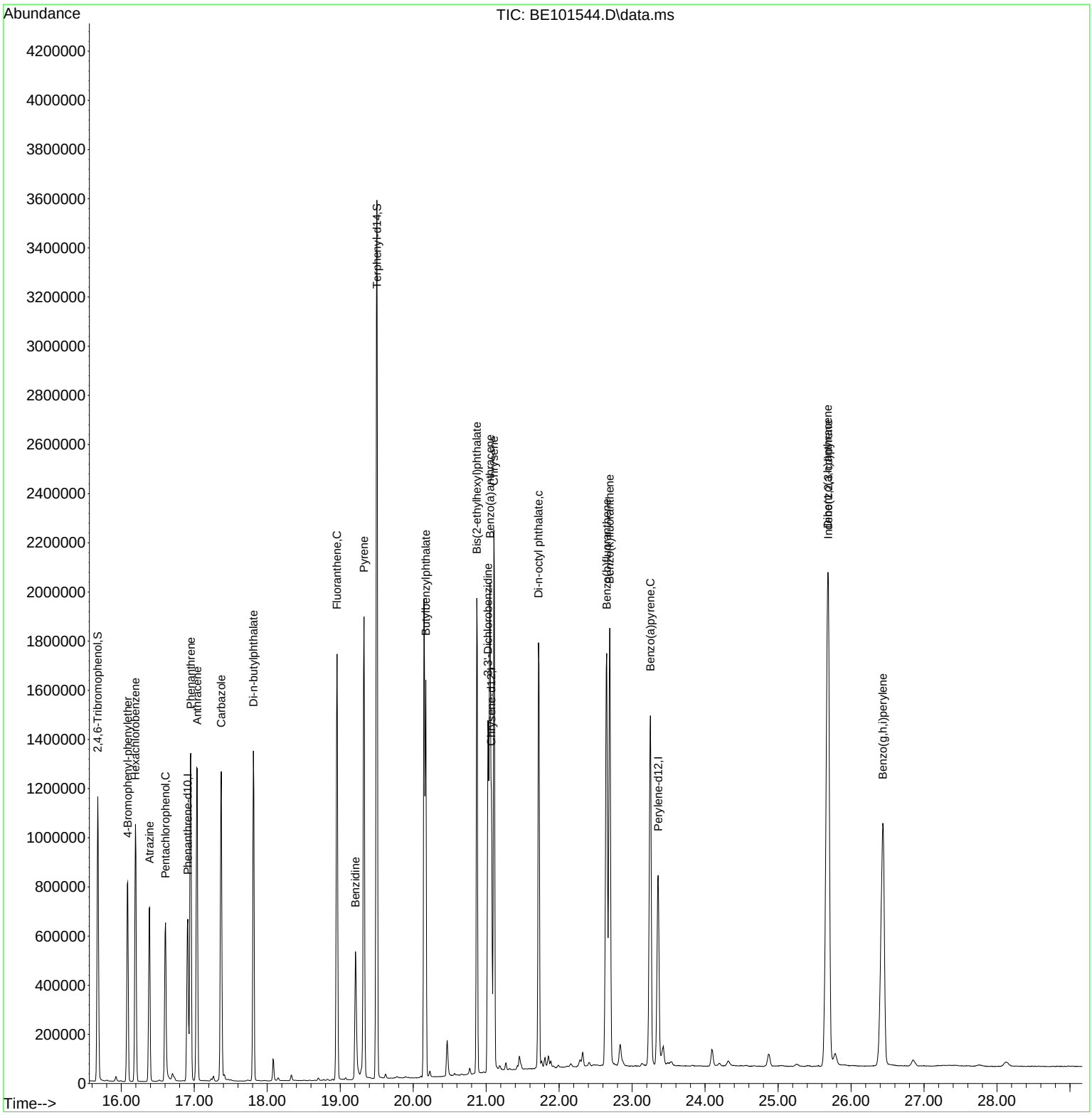
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	78	0.00
2		1,4-Dioxane	0.421	0.429	-1.9	83	0.00
3		Pyridine	1.177	1.299	-10.4	88	0.00
4		n-Nitrosodimethylamine	0.466	0.502	-7.7	88	0.00
5	S	2-Fluorophenol	1.131	1.156	-2.2	82	0.00
6		Aniline	1.164	0.972	16.5	56	0.00
7	S	Phenol-d6	1.551	1.606	-3.5	82	0.00
8		2-Chlorophenol	1.340	1.363	-1.7	81	0.00
9		Benzaldehyde	0.759	0.657	13.4	67	0.00
10	C	Phenol	1.688	1.758	-4.1	83	0.00
11		bis(2-Chloroethyl)ether	1.397	1.613	-15.5	108	0.00
12		1,3-Dichlorobenzene	1.463	1.464	-0.1	80	0.00
13	C	1,4-Dichlorobenzene	1.482	1.484	-0.1	80	0.00
14		1,2-Dichlorobenzene	1.455	1.457	-0.1	80	0.00
15		Benzyl Alcohol	0.906	0.963	-6.3	82	0.00
16		2,2'-oxybis(1-Chloropropane	1.654	1.702	-2.9	82	0.00
17		2-Methylphenol	1.093	1.113	-1.8	78	0.00
18		Hexachloroethane	0.500	0.497	0.6	80	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	1.081	-5.7	82	0.00
20		3+4-Methylphenols	1.515	1.581	-4.4	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	78	0.00
22		Acetophenone	0.453	0.453	0.0	80	0.00
23	S	Nitrobenzene-d5	0.317	0.329	-3.8	82	0.00
24		Nitrobenzene	0.329	0.344	-4.6	83	0.00
25		Isophorone	0.616	0.644	-4.5	83	0.00
26	C	2-Nitrophenol	0.175	0.181	-3.4	81	0.00
27		2,4-Dimethylphenol	0.203	0.203	0.0	80	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.379	-0.5	80	0.00
29	C	2,4-Dichlorophenol	0.288	0.295	-2.4	81	0.00
30		1,2,4-Trichlorobenzene	0.321	0.313	2.5	79	0.00
31		Naphthalene	1.010	1.009	0.1	80	0.00
32		Benzoic acid	0.168	0.199	-18.5	94	0.00
33		4-Chloroaniline	0.355	0.376	-5.9	82	0.00
34	C	Hexachlorobutadiene	0.198	0.190	4.0	77	0.00
35		Caprolactam	0.106	0.121	-14.2	89	-0.01
36	C	4-Chloro-3-methylphenol	0.314	0.342	-8.9	86	0.00
37		2-Methylnaphthalene	0.717	0.735	-2.5	82	0.00
38		1-Methylnaphthalene	0.715	0.731	-2.2	82	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.527	0.489	7.2	80	0.00
41	P	Hexachlorocyclopentadiene	0.154	0.152	1.3	76	0.00
42	S	2,4,6-Tribromophenol	0.376	0.380	-1.1	86	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.358	1.1	83	0.00
44		2,4,5-Trichlorophenol	0.403	0.404	-0.2	84	0.00
45	S	2-Fluorobiphenyl	1.225	1.192	2.7	83	0.00
46		1,1'-Biphenyl	1.380	1.327	3.8	83	0.00
47		2-Chloronaphthalene	1.088	1.047	3.8	82	0.00

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.319	-10.8	92	0.00
49		Acenaphthylene	1.622	1.637	-0.9	86	0.00
50		Dimethylphthalate	1.424	1.446	-1.5	87	0.00
51		2,6-Dinitrotoluene	0.329	0.343	-4.3	88	0.00
52	C	Acenaphthene	1.035	1.044	-0.9	86	0.00
53		3-Nitroaniline	0.319	0.354	-11.0	90	0.00
54	P	2,4-Dinitrophenol	0.193	0.221	-14.5	95	0.00
55		Dibenzofuran	1.666	1.672	-0.4	86	0.00
56	P	4-Nitrophenol	0.264	0.296	-12.1	90	0.00
57		2,4-Dinitrotoluene	0.462	0.497	-7.6	90	0.00
58		Fluorene	1.391	1.437	-3.3	88	0.00
59		2,3,4,6-Tetrachlorophenol	0.373	0.380	-1.9	86	0.00
60		Diethylphthalate	1.502	1.558	-3.7	89	0.00
61		4-Chlorophenyl-phenylether	0.706	0.710	-0.6	86	0.00
62		4-Nitroaniline	0.344	0.392	-14.0	94	0.00
63		Azobenzene	1.225	1.314	-7.3	92	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.132	-10.9	92	0.00
66	c	n-Nitrosodiphenylamine	0.531	0.536	-0.9	88	0.00
67		4-Bromophenyl-phenylether	0.221	0.214	3.2	86	0.00
68		Hexachlorobenzene	0.290	0.292	-0.7	89	0.00
69		Atrazine	0.157	0.168	-7.0	84	0.00
70	C	Pentachlorophenol	0.158	0.168	-6.3	89	0.00
71		Phenanthrene	0.973	0.978	-0.5	89	0.00
72		Anthracene	0.961	0.978	-1.8	89	0.00
73		Carbazole	0.963	0.979	-1.7	89	0.00
74		Di-n-butylphthalate	1.190	1.202	-1.0	88	0.00
75	C	Fluoranthene	1.247	1.249	-0.2	89	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.430	0.417	3.0	89	0.00
78		Pyrene	1.138	1.173	-3.1	89	0.00
79	S	Terphenyl-d14	0.904	0.945	-4.5	90	0.00
80		Butylbenzylphthalate	0.511	0.521	-2.0	88	0.00
81		Benzo(a)anthracene	1.188	1.217	-2.4	89	0.00
82		3,3'-Dichlorobenzidine	0.468	0.476	-1.7	87	0.00
83		Chrysene	1.129	1.139	-0.9	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.773	0.763	1.3	86	0.00
85	c	Di-n-octyl phthalate	1.308	1.299	0.7	87	0.00
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.383	-0.7	86	0.00
88		Benzo(b)fluoranthene	1.097	1.076	1.9	86	0.00
89		Benzo(k)fluoranthene	0.996	1.042	-4.6	90	0.00
90	C	Benzo(a)pyrene	0.947	0.958	-1.2	87	0.00
91		Dibenzo(a,h)anthracene	1.145	1.159	-1.2	86	0.00
92		Benzo(g,h,i)perylene	1.163	1.145	1.5	85	0.00

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	78	0.00
2		1,4-Dioxane	40.000	40.796	-2.0	83	0.00
3		Pyridine	40.000	44.143	-10.4	88	0.00
4		n-Nitrosodimethylamine	40.000	43.058	-7.6	88	0.00
5	S	2-Fluorophenol	80.000	81.754	-2.2	82	0.00
6		Aniline	40.000	33.409	16.5	56	0.00
7	S	Phenol-d6	80.000	82.833	-3.5	82	0.00
8		2-Chlorophenol	40.000	40.672	-1.7	81	0.00
9		Benzaldehyde	40.000	34.656	13.4	67	0.00
10	C	Phenol	40.000	41.653	-4.1	83	0.00
11		bis(2-Chloroethyl)ether	40.000	46.155	-15.4	108	0.00
12		1,3-Dichlorobenzene	40.000	40.030	-0.1	80	0.00
13	C	1,4-Dichlorobenzene	40.000	40.067	-0.2	80	0.00
14		1,2-Dichlorobenzene	40.000	40.065	-0.2	80	0.00
15		Benzyl Alcohol	40.000	42.529	-6.3	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.166	-2.9	82	0.00
17		2-Methylphenol	40.000	40.749	-1.9	78	0.00
18		Hexachloroethane	40.000	39.729	0.7	80	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.268	-5.7	82	0.00
20		3+4-Methylphenols	40.000	41.727	-4.3	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	78	0.00
22		Acetophenone	40.000	40.043	-0.1	80	0.00
23	S	Nitrobenzene-d5	80.000	83.156	-3.9	82	0.00
24		Nitrobenzene	40.000	41.795	-4.5	83	0.00
25		Isophorone	40.000	41.792	-4.5	83	0.00
26	C	2-Nitrophenol	40.000	41.283	-3.2	81	0.00
27		2,4-Dimethylphenol	40.000	40.108	-0.3	80	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.232	-0.6	80	0.00
29	C	2,4-Dichlorophenol	40.000	40.947	-2.4	81	0.00
30		1,2,4-Trichlorobenzene	40.000	39.001	2.5	79	0.00
31		Naphthalene	40.000	39.967	0.1	80	0.00
32		Benzoic acid	40.000	42.834	-7.1	94	0.00
33		4-Chloroaniline	40.000	42.324	-5.8	82	0.00
34	C	Hexachlorobutadiene	40.000	38.348	4.1	77	0.00
35		Caprolactam	40.000	45.719	-14.3	89	-0.01
36	C	4-Chloro-3-methylphenol	40.000	43.532	-8.8	86	0.00
37		2-Methylnaphthalene	40.000	40.995	-2.5	82	0.00
38		1-Methylnaphthalene	40.000	40.889	-2.2	82	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.079	7.3	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.479	1.3	76	0.00
42	S	2,4,6-Tribromophenol	80.000	80.833	-1.0	86	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.507	1.2	83	0.00
44		2,4,5-Trichlorophenol	40.000	40.006	-0.0	84	0.00
45	S	2-Fluorobiphenyl	80.000	77.869	2.7	83	0.00
46		1,1'-Biphenyl	40.000	38.475	3.8	83	0.00
47		2-Chloronaphthalene	40.000	38.497	3.8	82	0.00

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.348	-10.9	92	0.00
49		Acenaphthylene	40.000	40.390	-1.0	86	0.00
50		Dimethylphthalate	40.000	40.601	-1.5	87	0.00
51		2,6-Dinitrotoluene	40.000	41.761	-4.4	88	0.00
52	C	Acenaphthene	40.000	40.367	-0.9	86	0.00
53		3-Nitroaniline	40.000	44.412	-11.0	90	0.00
54	P	2,4-Dinitrophenol	40.000	45.866	-14.7	95	0.00
55		Dibenzofuran	40.000	40.139	-0.3	86	0.00
56	P	4-Nitrophenol	40.000	44.862	-12.2	90	0.00
57		2,4-Dinitrotoluene	40.000	43.083	-7.7	90	0.00
58		Fluorene	40.000	41.330	-3.3	88	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.732	-1.8	86	0.00
60		Diethylphthalate	40.000	41.509	-3.8	89	0.00
61		4-Chlorophenyl-phenylether	40.000	40.196	-0.5	86	0.00
62		4-Nitroaniline	40.000	45.566	-13.9	94	0.00
63		Azobenzene	40.000	42.904	-7.3	92	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	86	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.402	-11.0	92	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.398	-1.0	88	0.00
67		4-Bromophenyl-phenylether	40.000	38.878	2.8	86	0.00
68		Hexachlorobenzene	40.000	40.211	-0.5	89	0.00
69		Atrazine	40.000	42.956	-7.4	84	0.00
70	C	Pentachlorophenol	40.000	42.583	-6.5	89	0.00
71		Phenanthrene	40.000	40.216	-0.5	89	0.00
72		Anthracene	40.000	40.718	-1.8	89	0.00
73		Carbazole	40.000	40.633	-1.6	89	0.00
74		Di-n-butylphthalate	40.000	40.401	-1.0	88	0.00
75	C	Fluoranthene	40.000	40.062	-0.2	89	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	38.785	3.0	89	0.00
78		Pyrene	40.000	41.238	-3.1	89	0.00
79	S	Terphenyl-d14	80.000	83.703	-4.6	90	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	88	0.00
81		Benzo(a)anthracene	40.000	40.986	-2.5	89	0.00
82		3,3'-Dichlorobenzidine	40.000	40.702	-1.8	87	0.00
83		Chrysene	40.000	40.336	-0.8	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.484	1.3	86	0.00
85	c	Di-n-octyl phthalate	40.000	39.714	0.7	87	0.00
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.238	-0.6	86	0.00
88		Benzo(b)fluoranthene	40.000	39.233	1.9	86	0.00
89		Benzo(k)fluoranthene	40.000	41.834	-4.6	90	0.00
90	C	Benzo(a)pyrene	40.000	40.463	-1.2	87	0.00
91		Dibenzo(a,h)anthracene	40.000	40.495	-1.2	86	0.00
92		Benzo(g,h,i)perylene	40.000	39.391	1.5	85	0.00

Sample Results: **BE101544.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 10:14:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/08/2024 09:35

Lab File ID: BF140286.D Init. Calib. Date(s): 11/05/2024 11/05/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 15:30

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.354	1.280		-5.5	
2-Fluorophenol	1.207	1.151		-4.6	
Phenol-d6	1.552	1.455		-6.3	
1,4-Dichlorobenzene	1.492	1.440		-3.5	20.0
2-Methylphenol	1.053	1.025		-2.7	
3+4-Methylphenols	1.323	1.267		-4.2	
Nitrobenzene-d5	0.402	0.378		-6.0	
Hexachloroethane	0.556	0.530		-4.7	
Nitrobenzene	0.422	0.398		-5.7	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
2,4,6-Trichlorophenol	0.363	0.362		-0.3	20.0
2-Fluorobiphenyl	1.253	1.125		-10.1	
2,4,5-Trichlorophenol	0.381	0.388		1.8	
2,4-Dinitrotoluene	0.376	0.395		5.1	
2,4,6-Tribromophenol	0.198	0.223		12.6	
Hexachlorobenzene	0.245	0.245		0.0	
Pentachlorophenol	0.132	0.154		16.7	20.0
Terphenyl-d14	1.221	1.161		-4.9	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	203786	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	760595	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	473134	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	883136	20.000	ng		0.00
76) Chrysene-d12	14.063	240	554697	20.000	ng		0.00
86) Perylene-d12	15.551	264	449723	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	938097	76.287	ng		0.00
7) Phenol-d6	6.510	99	1186306	75.003	ng		0.00
23) Nitrobenzene-d5	7.445	82	1150741	75.221	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	421256	90.076	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2129477	71.869	ng		0.00
79) Terphenyl-d14	12.998	244	2575305	76.054	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	207856	36.766	ng		94
3) Pyridine	3.428	79	521841	37.829	ng		94
4) n-Nitrosodimethylamine	3.387	42	278952	35.025	ng		92
6) Aniline	6.545	93	553822	38.756	ng		97
8) 2-Chlorophenol	6.669	128	499157	38.795	ng		94
9) Benzaldehyde	6.434	77	347955	35.713	ng		95
10) Phenol	6.522	94	644318	38.356	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	491189	38.491	ng		96
12) 1,3-Dichlorobenzene	6.822	146	577084	38.274	ng		98
13) 1,4-Dichlorobenzene	6.898	146	586732	38.584	ng		98
14) 1,2-Dichlorobenzene	7.051	146	543077	38.237	ng		97
15) Benzyl Alcohol	7.022	79	463586	38.021	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	735250	35.595	ng		98
17) 2-Methylphenol	7.128	107	417798	38.926	ng		98
18) Hexachloroethane	7.392	117	216032	38.138	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	379640	37.624	ng		97
20) 3+4-Methylphenols	7.281	107	516461	38.313	ng		92
22) Acetophenone	7.292	105	701607	37.205	ng	#	92
24) Nitrobenzene	7.463	77	605556	37.724	ng		97
25) Isophorone	7.698	82	1016109	38.575	ng		99
26) 2-Nitrophenol	7.775	139	267998	41.971	ng		97
27) 2,4-Dimethylphenol	7.810	122	350540	40.353	ng		96
28) bis(2-Chloroethoxy)met...	7.910	93	615707	39.059	ng		100
29) 2,4-Dichlorophenol	8.016	162	434179	40.401	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	504626	39.186	ng		99
31) Naphthalene	8.186	128	1487299	37.868	ng		100
32) Benzoic acid	7.939	122	330883m	46.413	ng		
33) 4-Chloroaniline	8.228	127	522010	40.371	ng		99
34) Hexachlorobutadiene	8.298	225	342491	39.292	ng		99
35) Caprolactam	8.616	113	144066	44.068	ng		94
36) 4-Chloro-3-methylphenol	8.710	107	490147	40.964	ng		98
37) 2-Methylnaphthalene	8.875	142	1013676	39.546	ng		99
38) 1-Methylnaphthalene	8.975	142	988430	39.341	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	517432	37.357	ng		99
41) Hexachlorocyclopentadiene	9.028	237	165200	42.563	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	342791	39.937	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	367140	40.681	ng	97
46) 1,1'-Biphenyl	9.339	154	1266676	37.038	ng	100
47) 2-Chloronaphthalene	9.363	162	960554	37.318	ng	100
48) 2-Nitroaniline	9.463	65	325729	37.840	ng	91
49) Acenaphthylene	9.780	152	1398581	38.379	ng	99
50) Dimethylphthalate	9.645	163	1149813	39.460	ng	100
51) 2,6-Dinitrotoluene	9.704	165	280779	40.994	ng	97
52) Acenaphthene	9.957	154	1004326	38.856	ng	98
53) 3-Nitroaniline	9.875	138	265806	41.214	ng	97
54) 2,4-Dinitrophenol	9.980	184	144722	45.886	ng	88
55) Dibenzofuran	10.127	168	1383066	38.265	ng	98
56) 4-Nitrophenol	10.033	139	206826	45.610	ng	91
57) 2,4-Dinitrotoluene	10.110	165	373934	42.071	ng	94
58) Fluorene	10.469	166	1097033	38.130	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	315545	42.681	ng	95
60) Diethylphthalate	10.345	149	1159805	40.054	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	567981	39.170	ng	96
62) 4-Nitroaniline	10.498	138	273777	42.717	ng	93
63) Azobenzene	10.622	77	1130142	37.651	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	215186	46.394	ng	94
66) n-Nitrosodiphenylamine	10.580	169	947488	37.302	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	380930	40.056	ng	98
68) Hexachlorobenzene	11.022	284	432918	39.937	ng	95
69) Atrazine	11.110	200	295714	42.553	ng	98
70) Pentachlorophenol	11.216	266	272122	46.750	ng	98
71) Phenanthrene	11.439	178	1584046	37.585	ng	100
72) Anthracene	11.486	178	1557749	37.693	ng	100
73) Carbazole	11.639	167	1457805	38.605	ng	100
74) Di-n-butylphthalate	11.969	149	1798358	40.233	ng	100
75) Fluoranthene	12.627	202	1741669	39.521	ng	100
77) Benzidine	12.745	184	647454	59.699	ng	99
78) Pyrene	12.857	202	1762533	38.483	ng	100
80) Butylbenzylphthalate	13.474	149	696868	42.255	ng	94
81) Benzo(a)anthracene	14.051	228	1395652	39.206	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	448543	40.124	ng	98
83) Chrysene	14.086	228	1254355	37.628	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	945616	40.911	ng	99
85) Di-n-octyl phthalate	14.657	149	1398566	40.200	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	1025437	38.844	ng	99
88) Benzo(b)fluoranthene	15.115	252	1065085	39.154	ng	99
89) Benzo(k)fluoranthene	15.145	252	1035691	41.491	ng	100
90) Benzo(a)pyrene	15.492	252	893622	39.843	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	836436	38.512	ng	99
92) Benzo(g,h,i)perylene	17.527	276	849919	38.361	ng	99

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

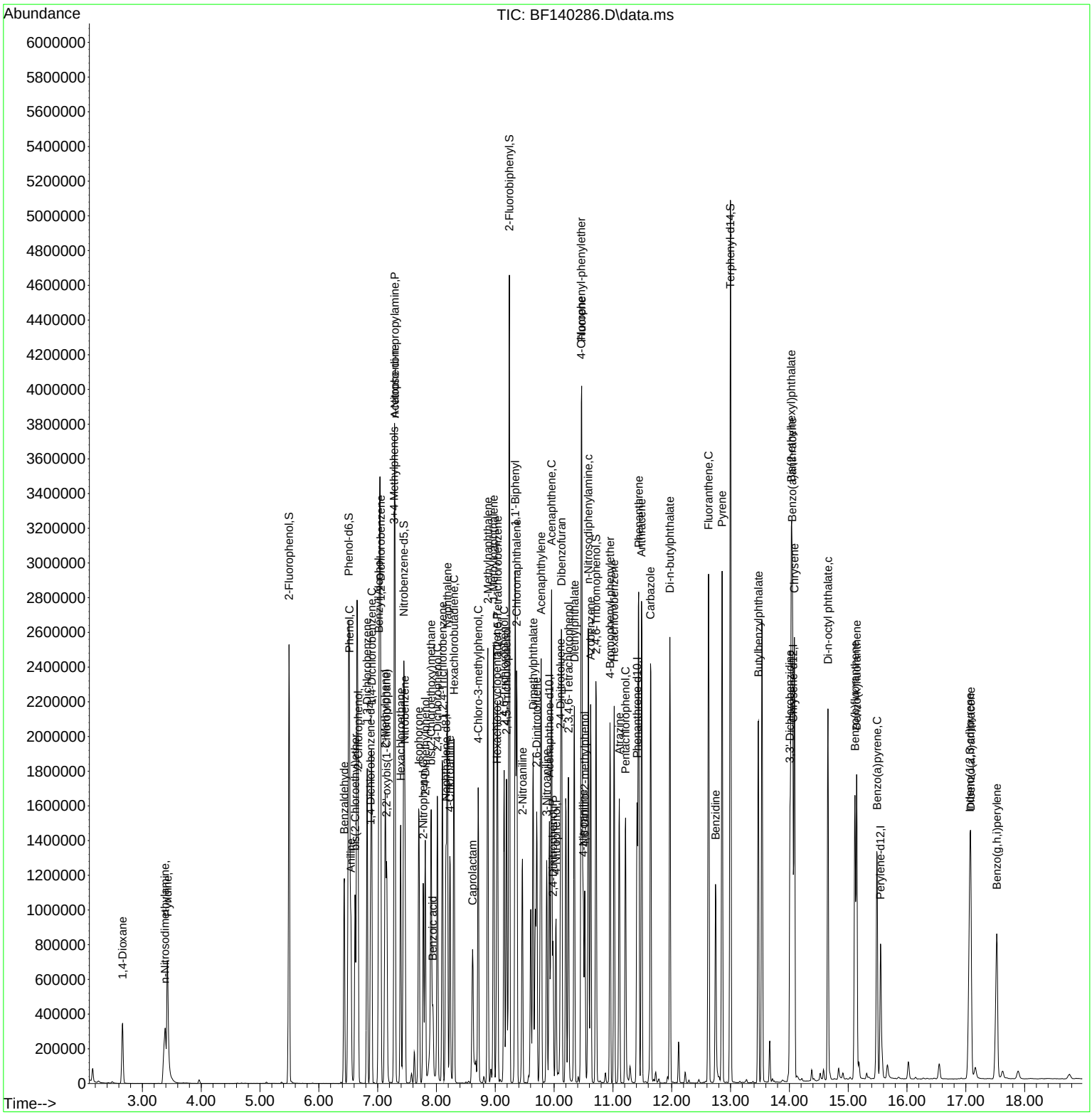
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
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Instrument :
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LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.555	0.510	8.1	94	0.00
3		Pyridine	1.354	1.280	5.5	97	0.00
4		n-Nitrosodimethylamine	0.782	0.684	12.5	89	0.00
5	S	2-Fluorophenol	1.207	1.151	4.6	101	0.00
6		Aniline	1.402	1.359	3.1	101	0.00
7	S	Phenol-d6	1.552	1.455	6.2	99	0.00
8		2-Chlorophenol	1.263	1.225	3.0	102	0.00
9		Benzaldehyde	0.956	0.854	10.7	91	0.00
10	C	Phenol	1.649	1.581	4.1	100	0.00
11		bis(2-Chloroethyl)ether	1.252	1.205	3.8	101	0.00
12		1,3-Dichlorobenzene	1.480	1.416	4.3	101	0.00
13	C	1,4-Dichlorobenzene	1.492	1.440	3.5	102	0.00
14		1,2-Dichlorobenzene	1.394	1.332	4.4	103	0.00
15		Benzyl Alcohol	1.197	1.137	5.0	97	0.00
16		2,2'-oxybis(1-Chloropropane	2.027	1.804	11.0	93	0.00
17		2-Methylphenol	1.053	1.025	2.7	101	0.00
18		Hexachloroethane	0.556	0.530	4.7	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.990	0.931	6.0	99	0.00
20		3+4-Methylphenols	1.323	1.267	4.2	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.496	0.461	7.1	100	0.00
23	S	Nitrobenzene-d5	0.402	0.378	6.0	99	0.00
24		Nitrobenzene	0.422	0.398	5.7	99	0.00
25		Isophorone	0.693	0.668	3.6	102	0.00
26	C	2-Nitrophenol	0.168	0.176	-4.8	106	0.00
27		2,4-Dimethylphenol	0.228	0.230	-0.9	106	0.00
28		bis(2-Chloroethoxy)methane	0.415	0.405	2.4	104	0.00
29	C	2,4-Dichlorophenol	0.283	0.285	-0.7	106	0.00
30		1,2,4-Trichlorobenzene	0.339	0.332	2.1	104	0.00
31		Naphthalene	1.033	0.978	5.3	101	0.00
32		Benzoic acid	0.187	0.218	-16.6	116	0.01
33		4-Chloroaniline	0.340	0.343	-0.9	107	0.00
34	C	Hexachlorobutadiene	0.229	0.225	1.7	104	0.00
35		Caprolactam	0.086	0.095	-10.5	115	0.00
36	C	4-Chloro-3-methylphenol	0.315	0.322	-2.2	106	0.00
37		2-Methylnaphthalene	0.674	0.666	1.2	106	0.00
38		1-Methylnaphthalene	0.661	0.650	1.7	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.547	6.7	108	0.00
41	P	Hexachlorocyclopentadiene	0.164	0.175	-6.7	106	0.00
42	S	2,4,6-Tribromophenol	0.198	0.223	-12.6	128	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.362	0.3	112	0.00
44		2,4,5-Trichlorophenol	0.381	0.388	-1.8	116	0.00
45	S	2-Fluorobiphenyl	1.253	1.125	10.2	106	0.00
46		1,1'-Biphenyl	1.446	1.339	7.4	108	0.00
47		2-Chloronaphthalene	1.088	1.015	6.7	108	0.00

Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.364	0.344	5.5	104	0.00
49		Acenaphthylene	1.540	1.478	4.0	111	0.00
50		Dimethylphthalate	1.232	1.215	1.4	114	0.00
51		2,6-Dinitrotoluene	0.290	0.297	-2.4	116	0.00
52	C	Acenaphthene	1.093	1.061	2.9	112	0.00
53		3-Nitroaniline	0.273	0.281	-2.9	117	0.00
54	P	2,4-Dinitrophenol	0.120	0.153	-27.5#	133	0.00
55		Dibenzofuran	1.528	1.462	4.3	111	0.00
56	P	4-Nitrophenol	0.192	0.219	-14.1	120	0.00
57		2,4-Dinitrotoluene	0.376	0.395	-5.1	118	0.00
58		Fluorene	1.216	1.159	4.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.333	-6.4	122	0.00
60		Diethylphthalate	1.224	1.226	-0.2	115	0.00
61		4-Chlorophenyl-phenylether	0.613	0.600	2.1	115	0.00
62		4-Nitroaniline	0.271	0.289	-6.6	119	0.00
63		Azobenzene	1.269	1.194	5.9	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	119	0.00
65		4,6-Dinitro-2-methylphenol	0.105	0.122	-16.2	132	0.00
66	c	n-Nitrosodiphenylamine	0.575	0.536	6.8	116	0.00
67		4-Bromophenyl-phenylether	0.215	0.216	-0.5	123	0.00
68		Hexachlorobenzene	0.245	0.245	0.0	123	0.00
69		Atrazine	0.157	0.167	-6.4	128	0.00
70	C	Pentachlorophenol	0.132	0.154	-16.7	133	0.00
71		Phenanthrene	0.954	0.897	6.0	117	0.00
72		Anthracene	0.936	0.882	5.8	117	0.00
73		Carbazole	0.855	0.825	3.5	120	0.00
74		Di-n-butylphthalate	1.012	1.018	-0.6	124	0.00
75	C	Fluoranthene	0.998	0.986	1.2	124	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	124	0.00
77		Benzidine	0.391	0.584	-49.4#	147	0.00
78		Pyrene	1.651	1.589	3.8	124	0.00
79	S	Terphenyl-d14	1.221	1.161	4.9	124	0.00
80		Butylbenzylphthalate	0.595	0.628	-5.5	130	0.00
81		Benzo(a)anthracene	1.284	1.258	2.0	126	0.00
82		3,3'-Dichlorobenzidine	0.403	0.404	-0.2	120	0.00
83		Chrysene	1.202	1.131	5.9	121	0.00
84		Bis(2-ethylhexyl)phthalate	0.833	0.852	-2.3	129	0.00
85	c	Di-n-octyl phthalate	1.254	1.261	-0.6	123	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	106	-0.01
87		Indeno(1,2,3-cd)pyrene	1.174	1.140	2.9	101	-0.01
88		Benzo(b)fluoranthene	1.210	1.184	2.1	101	-0.01
89		Benzo(k)fluoranthene	1.110	1.151	-3.7	119	-0.01
90	C	Benzo(a)pyrene	0.997	0.994	0.3	106	-0.01
91		Dibenzo(a,h)anthracene	0.966	0.930	3.7	101	-0.01
92		Benzo(g,h,i)perylene	0.985	0.945	4.1	101	-0.01

Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	36.766	8.1	94	0.00
3		Pyridine	40.000	37.829	5.4	97	0.00
4		n-Nitrosodimethylamine	40.000	35.025	12.4	89	0.00
5	S	2-Fluorophenol	80.000	76.287	4.6	101	0.00
6		Aniline	40.000	38.756	3.1	101	0.00
7	S	Phenol-d6	80.000	75.003	6.2	99	0.00
8		2-Chlorophenol	40.000	38.795	3.0	102	0.00
9		Benzaldehyde	40.000	35.713	10.7	91	0.00
10	C	Phenol	40.000	38.356	4.1	100	0.00
11		bis(2-Chloroethyl)ether	40.000	38.491	3.8	101	0.00
12		1,3-Dichlorobenzene	40.000	38.274	4.3	101	0.00
13	C	1,4-Dichlorobenzene	40.000	38.584	3.5	102	0.00
14		1,2-Dichlorobenzene	40.000	38.237	4.4	103	0.00
15		Benzyl Alcohol	40.000	38.021	4.9	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.595	11.0	93	0.00
17		2-Methylphenol	40.000	38.926	2.7	101	0.00
18		Hexachloroethane	40.000	38.138	4.7	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.624	5.9	99	0.00
20		3+4-Methylphenols	40.000	38.313	4.2	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	37.205	7.0	100	0.00
23	S	Nitrobenzene-d5	80.000	75.221	6.0	99	0.00
24		Nitrobenzene	40.000	37.724	5.7	99	0.00
25		Isophorone	40.000	38.575	3.6	102	0.00
26	C	2-Nitrophenol	40.000	41.971	-4.9	106	0.00
27		2,4-Dimethylphenol	40.000	40.353	-0.9	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.059	2.4	104	0.00
29	C	2,4-Dichlorophenol	40.000	40.401	-1.0	106	0.00
30		1,2,4-Trichlorobenzene	40.000	39.186	2.0	104	0.00
31		Naphthalene	40.000	37.868	5.3	101	0.00
32		Benzoic acid	40.000	46.413	-16.0	116	0.01
33		4-Chloroaniline	40.000	40.371	-0.9	107	0.00
34	C	Hexachlorobutadiene	40.000	39.292	1.8	104	0.00
35		Caprolactam	40.000	44.068	-10.2	115	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.964	-2.4	106	0.00
37		2-Methylnaphthalene	40.000	39.546	1.1	106	0.00
38		1-Methylnaphthalene	40.000	39.341	1.6	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	111	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.357	6.6	108	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.563	-6.4	106	0.00
42	S	2,4,6-Tribromophenol	80.000	90.076	-12.6	128	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.937	0.2	112	0.00
44		2,4,5-Trichlorophenol	40.000	40.681	-1.7	116	0.00
45	S	2-Fluorobiphenyl	80.000	71.869	10.2	106	0.00
46		1,1'-Biphenyl	40.000	37.038	7.4	108	0.00
47		2-Chloronaphthalene	40.000	37.318	6.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	37.840	5.4	104	0.00
49		Acenaphthylene	40.000	38.379	4.1	111	0.00
50		Dimethylphthalate	40.000	39.460	1.3	114	0.00
51		2,6-Dinitrotoluene	40.000	40.994	-2.5	116	0.00
52	C	Acenaphthene	40.000	38.856	2.9	112	0.00
53		3-Nitroaniline	40.000	41.214	-3.0	117	0.00
54	P	2,4-Dinitrophenol	40.000	45.886	-14.7	133	0.00
55		Dibenzofuran	40.000	38.265	4.3	111	0.00
56	P	4-Nitrophenol	40.000	45.610	-14.0	120	0.00
57		2,4-Dinitrotoluene	40.000	42.071	-5.2	118	0.00
58		Fluorene	40.000	38.130	4.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.681	-6.7	122	0.00
60		Diethylphthalate	40.000	40.054	-0.1	115	0.00
61		4-Chlorophenyl-phenylether	40.000	39.170	2.1	115	0.00
62		4-Nitroaniline	40.000	42.717	-6.8	119	0.00
63		Azobenzene	40.000	37.651	5.9	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	119	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.394	-16.0	132	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.302	6.7	116	0.00
67		4-Bromophenyl-phenylether	40.000	40.056	-0.1	123	0.00
68		Hexachlorobenzene	40.000	39.937	0.2	123	0.00
69		Atrazine	40.000	42.553	-6.4	128	0.00
70	C	Pentachlorophenol	40.000	46.750	-16.9	133	0.00
71		Phenanthrene	40.000	37.585	6.0	117	0.00
72		Anthracene	40.000	37.693	5.8	117	0.00
73		Carbazole	40.000	38.605	3.5	120	0.00
74		Di-n-butylphthalate	40.000	40.233	-0.6	124	0.00
75	C	Fluoranthene	40.000	39.521	1.2	124	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	124	0.00
77		Benzidine	40.000	59.699	-49.2#	147	0.00
78		Pyrene	40.000	38.483	3.8	124	0.00
79	S	Terphenyl-d14	80.000	76.054	4.9	124	0.00
80		Butylbenzylphthalate	40.000	42.255	-5.6	130	0.00
81		Benzo(a)anthracene	40.000	39.206	2.0	126	0.00
82		3,3'-Dichlorobenzidine	40.000	40.124	-0.3	120	0.00
83		Chrysene	40.000	37.628	5.9	121	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.911	-2.3	129	0.00
85	c	Di-n-octyl phthalate	40.000	40.200	-0.5	123	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	106	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.844	2.9	101	-0.01
88		Benzo(b)fluoranthene	40.000	39.154	2.1	101	-0.01
89		Benzo(k)fluoranthene	40.000	41.491	-3.7	119	-0.01
90	C	Benzo(a)pyrene	40.000	39.843	0.4	106	-0.01
91		Dibenzo(a,h)anthracene	40.000	38.512	3.7	101	-0.01
92		Benzo(g,h,i)perylene	40.000	38.361	4.1	101	-0.01

Sample Results: **BF140286.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140286.D
Acq On : 08 Nov 2024 09:35
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 08 20:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

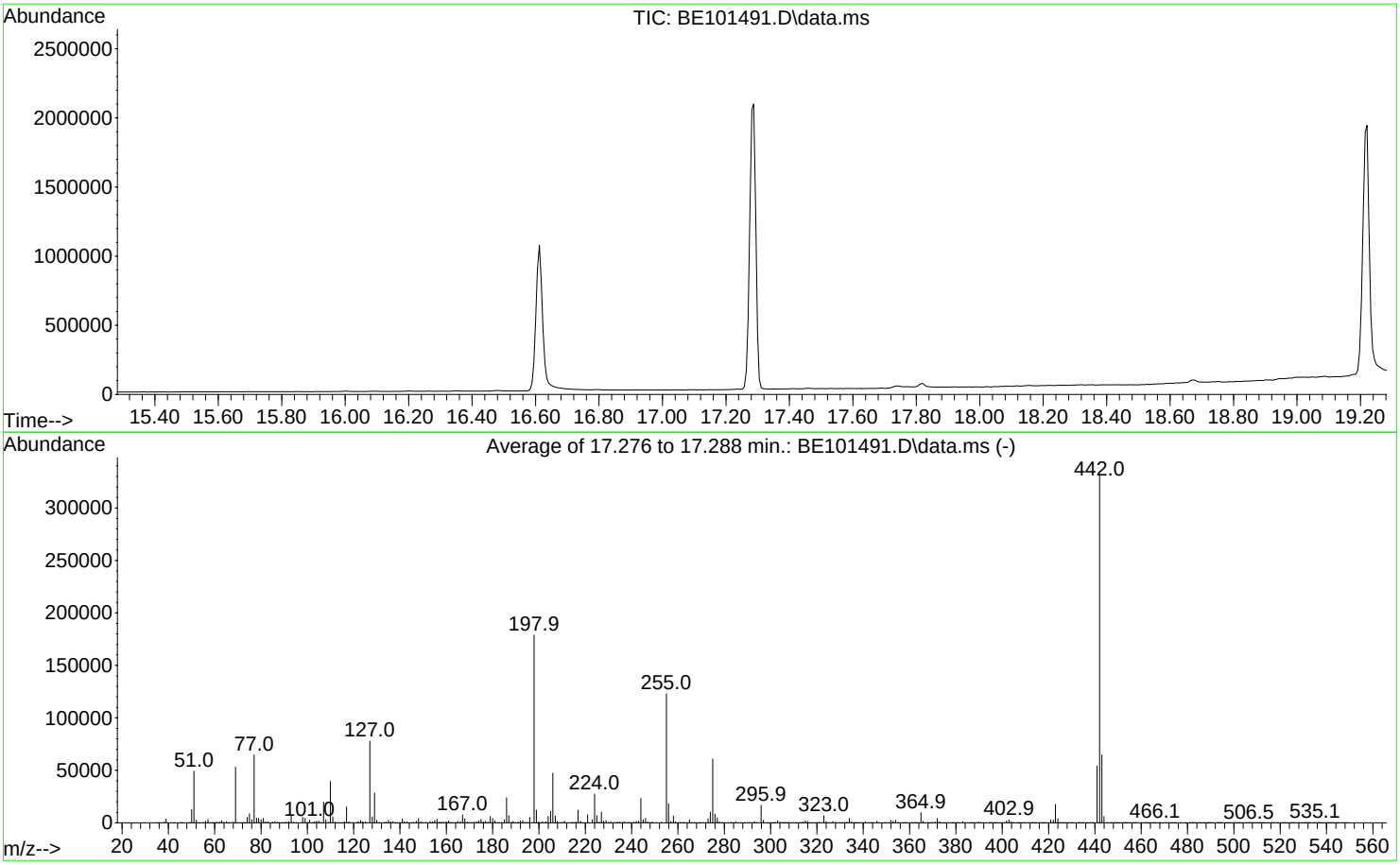
Sample Results: **BE101491.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024



AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2492

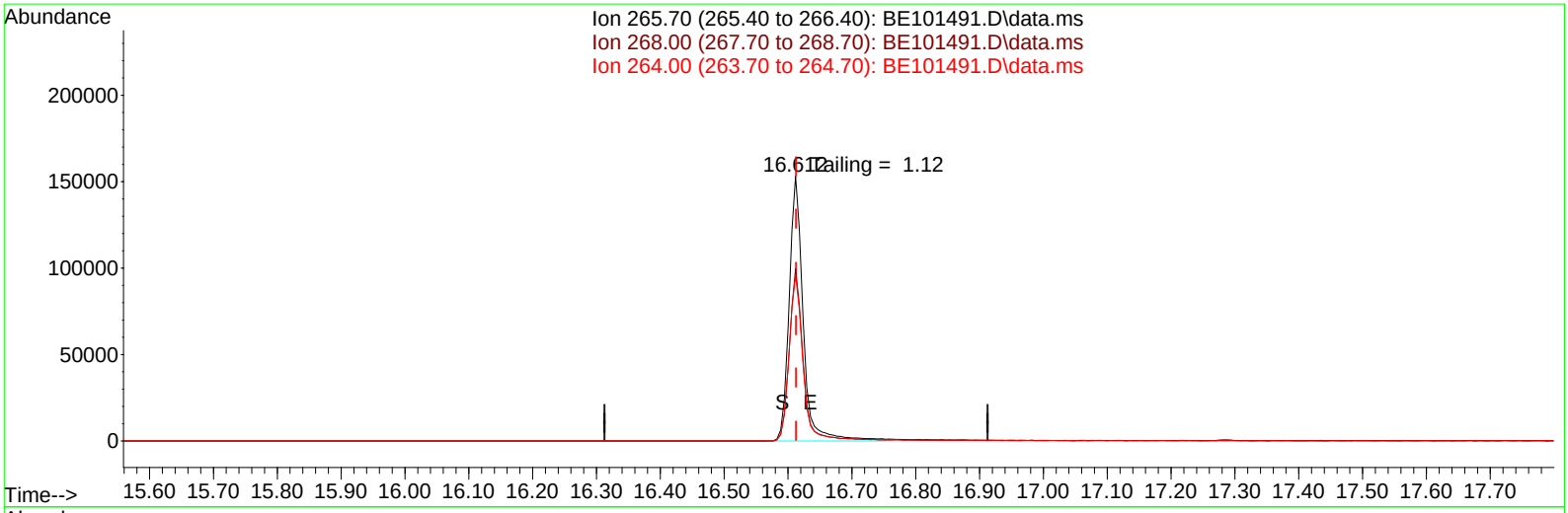
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.5	49133	PASS
68	69	0.00	2	1.3	713	PASS
69	198	0.00	100	29.7	53047	PASS
70	69	0.00	2	0.4	228	PASS
127	198	10	80	43.5	77857	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	178817	PASS
199	198	5	9	6.7	12064	PASS
275	198	10	60	34.0	60764	PASS
365	198	1	100	5.4	9623	PASS
441	198	0.01	100	30.3	54192	PASS
442	442	50	100	100.0	331371	PASS
443	442	15	24	19.6	64909	PASS

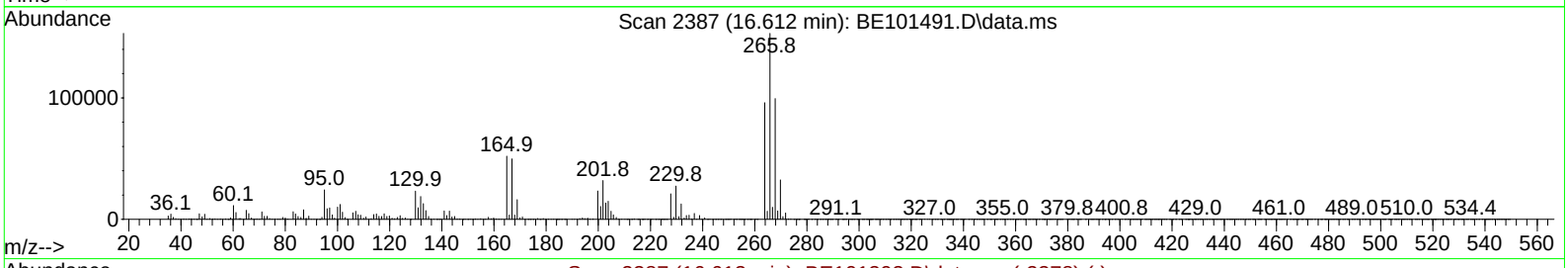
Sample Results: **BE101491.D**

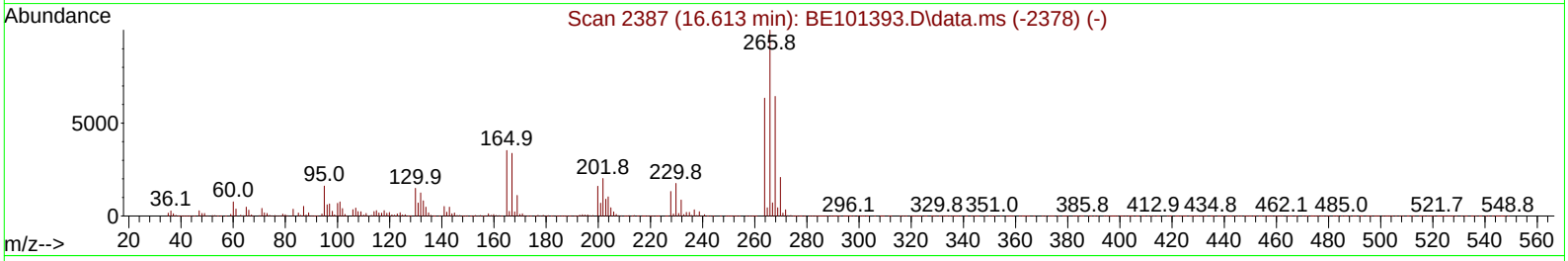
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101491.D\data.ms

(70) Pentachlorophenol (C)

16.612min (-0.001) 879438.33 ng

response 237313

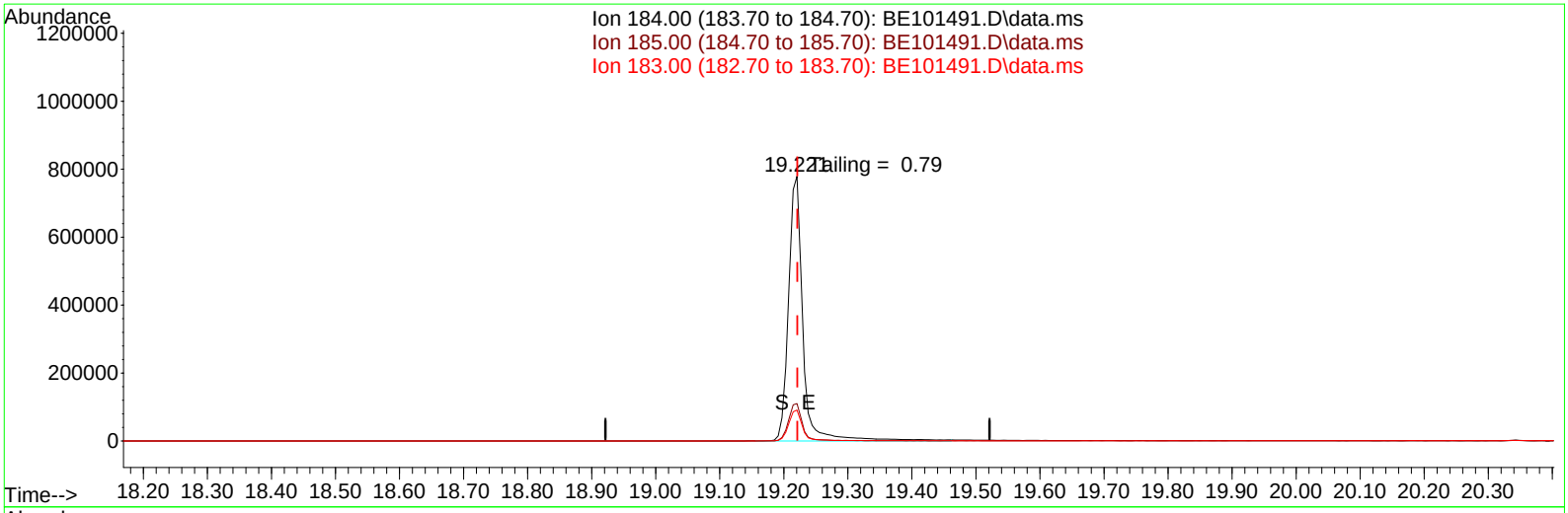
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	64.98
264.00	63.40	62.72
0.00	0.00	0.00

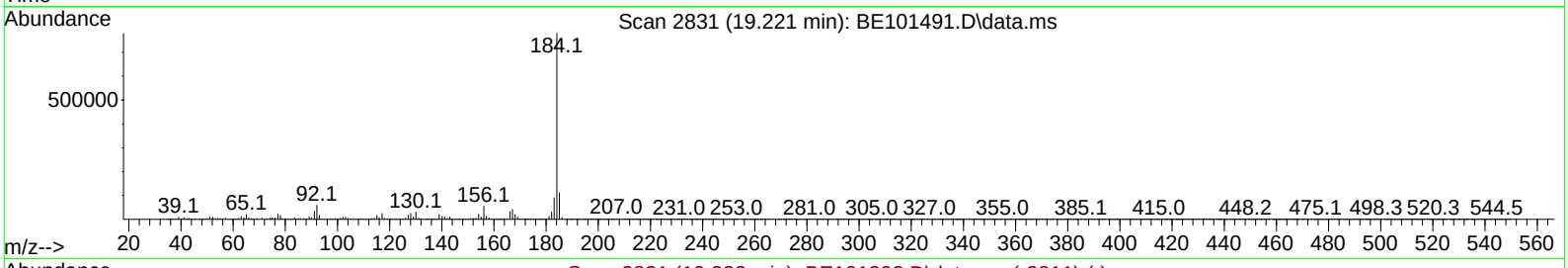
Sample Results: **BE101491.D**

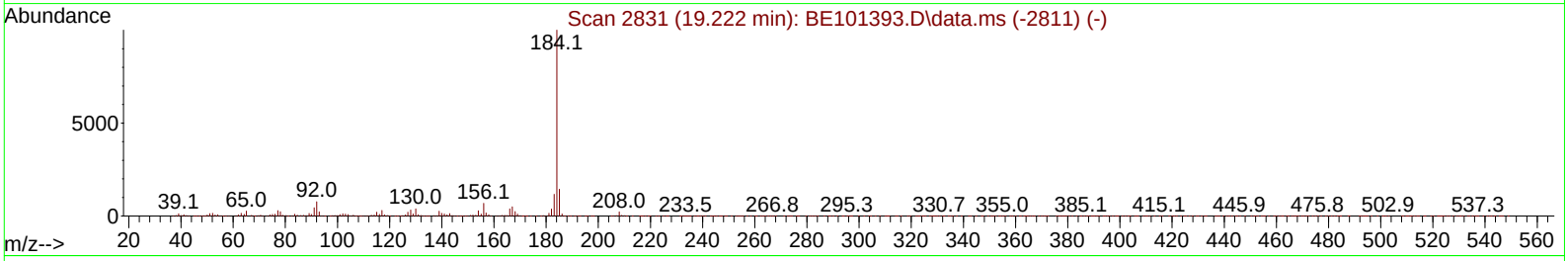
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 06 14:00:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 29 01:26:30 2024
Response via : Initial Calibration







TIC: BE101491.D\data.ms

(77) Benzidine

19.221min (-0.001) 515869.86 ng

response 1191601

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.16
183.00	11.60	11.67
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2024	BNA_E	BE101491.D
Compound Name	**Response**	**Retention Time**
DDT	583091	20.343
DDD	92284	19.914
DDE	1528	19.397
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
93812	676903	13.86

Instrument :
BNA_E
ClientSampleId :
DFTPP

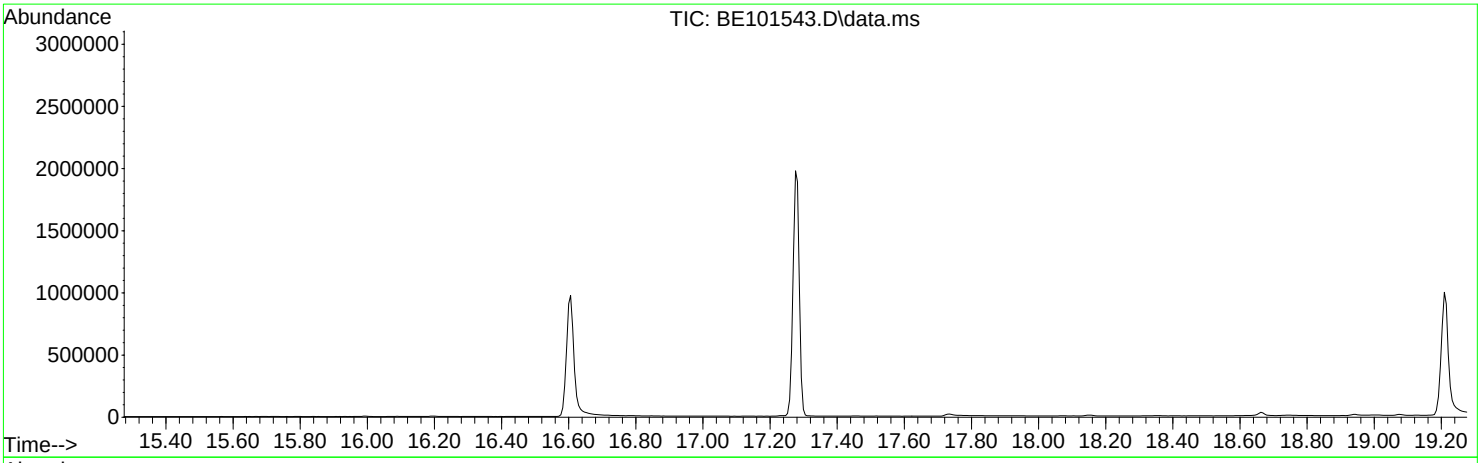
Sample Results: **BE101543.D**

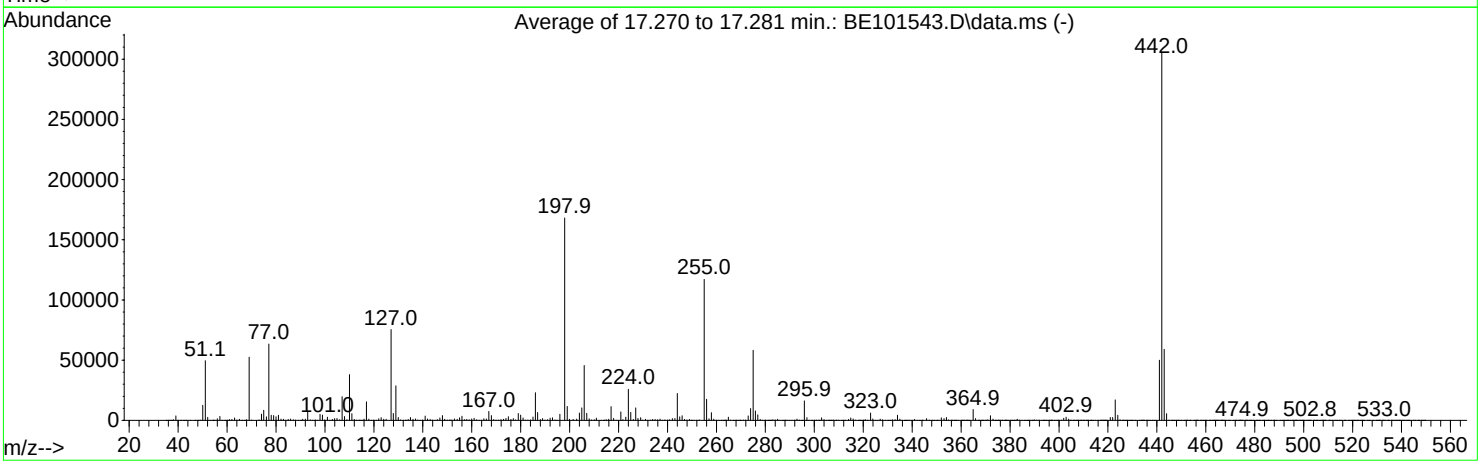
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101543.D
Acq On : 8 Nov 2024 9:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 00:01:20 2024





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2488

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.5	49550	PASS
68	69	0.00	2	1.0	549	PASS
69	198	0.00	100	31.3	52541	PASS
70	69	0.00	2	0.5	244	PASS
127	198	10	80	44.9	75486	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	168071	PASS
199	198	5	9	6.9	11633	PASS
275	198	10	60	34.7	58267	PASS
365	198	1	100	5.4	9101	PASS
441	198	0.01	100	29.7	49976	PASS
442	442	50	100	100.0	305553	PASS
443	442	15	24	19.3	58991	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/8/2024	BNA_E	BE101543.D
Compound Name	**Response**	**Retention Time**
DDT	773969	20.337
DDD	15959	19.955
DDE	485	19.391
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
16444	790413	2.08

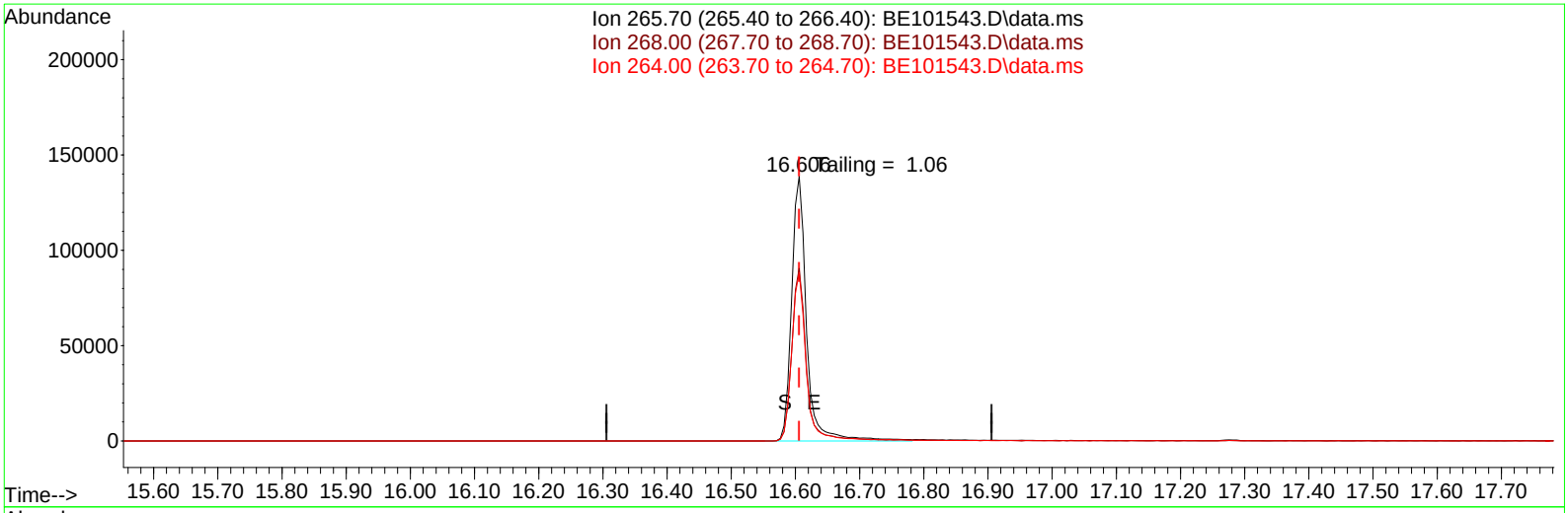
Instrument :
BNA_E
ClientSampleId :
DFTPP

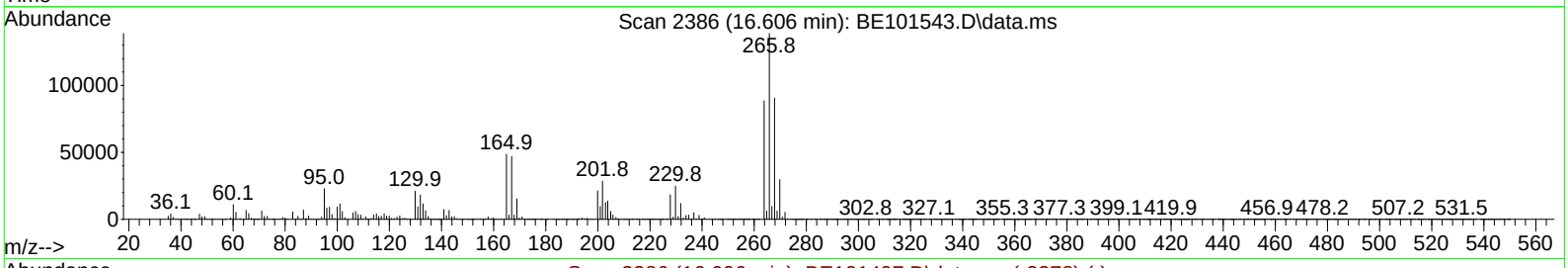
Sample Results: **BE101543.D**

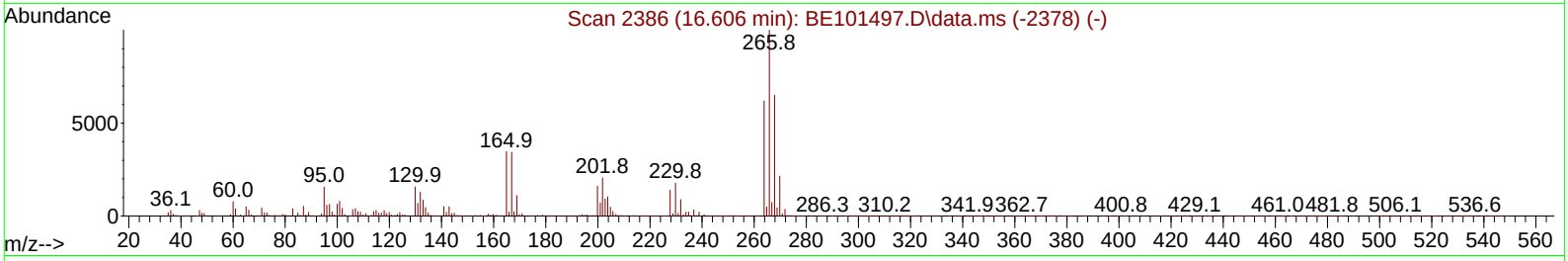
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101543.D
Acq On : 8 Nov 2024 9:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:13:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration







TIC: BE101543.D\data.ms

(70) Pentachlorophenol (C)

16.606min (+ 0.000) 216541.97 ng

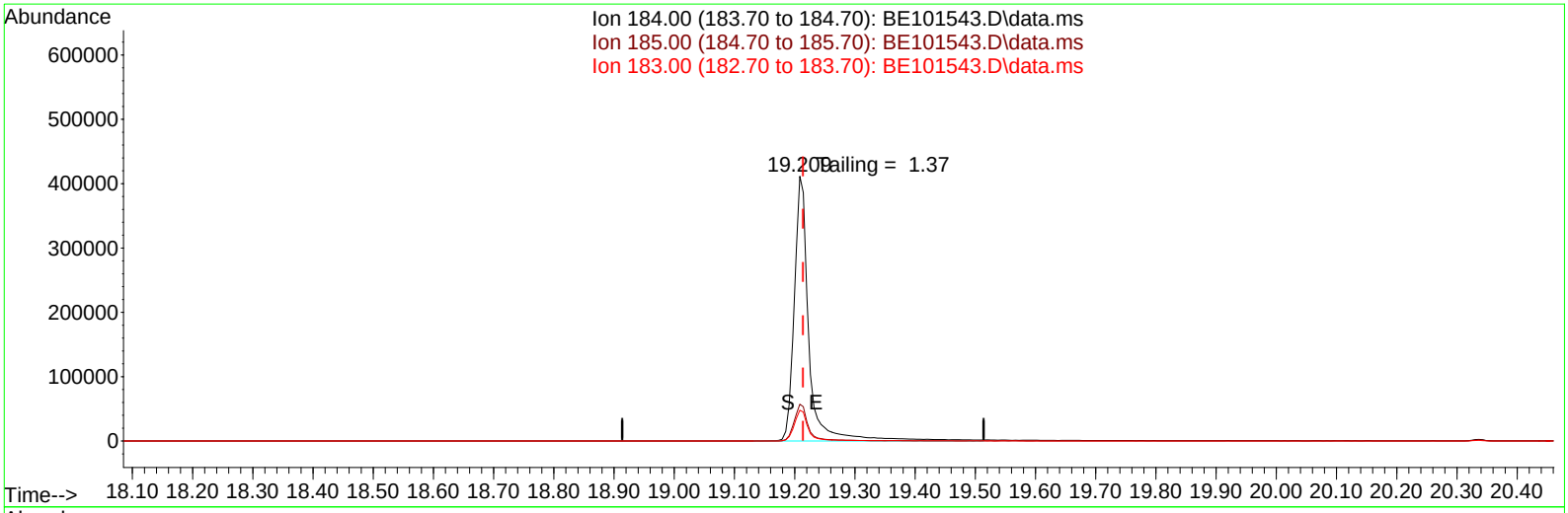
response 225120

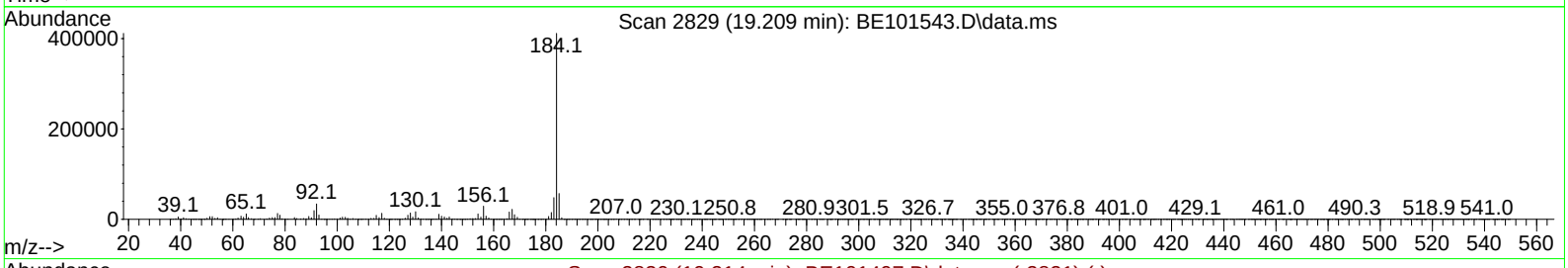
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.00	65.21
264.00	62.00	63.72
0.00	0.00	0.00

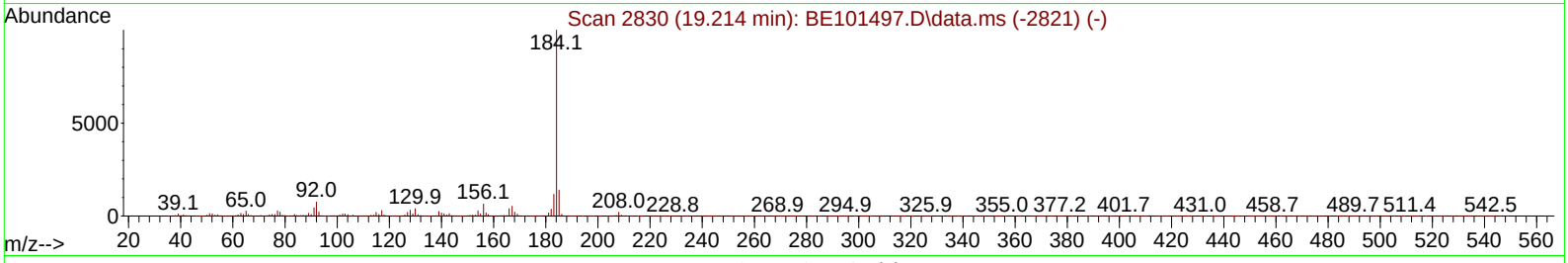
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101543.D
Acq On : 8 Nov 2024 9:34
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:13:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration







TIC: BE101543.D\data.ms

(77) Benzidine

19.209min (-0.005) 40480.74 ng

response 698261

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.90
183.00	11.70	11.67
0.00	0.00	0.00

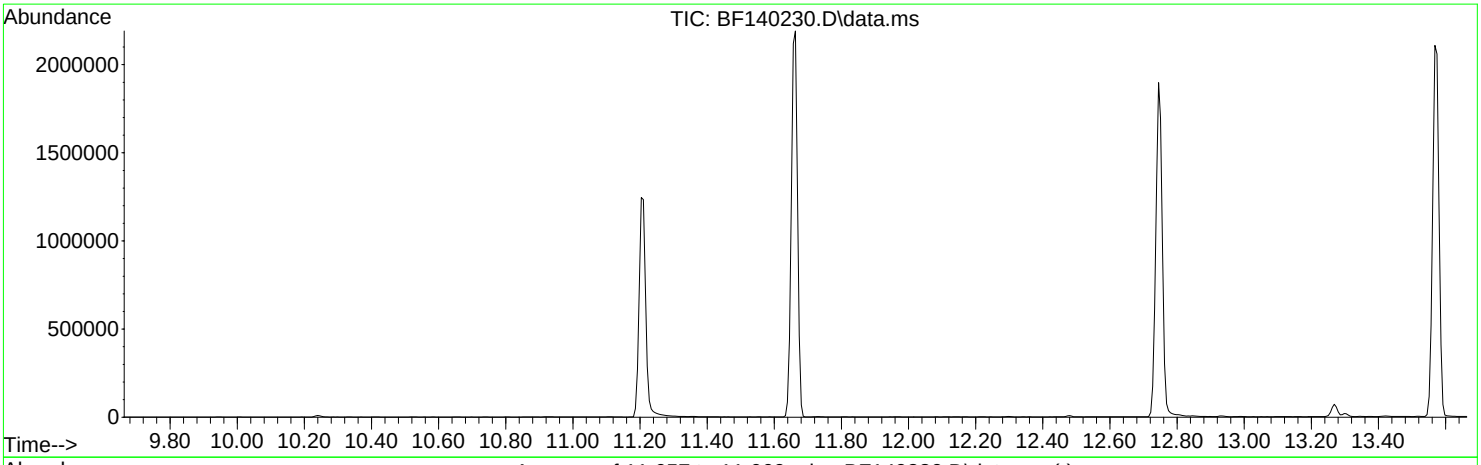
Sample Results: **BF140230.D**

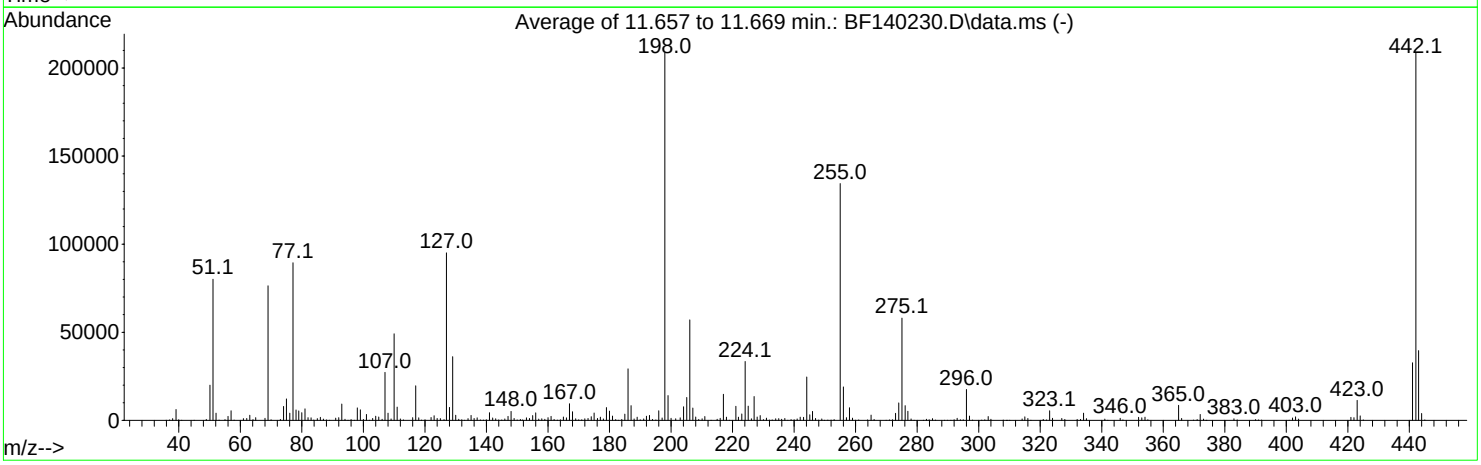
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024





AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1619

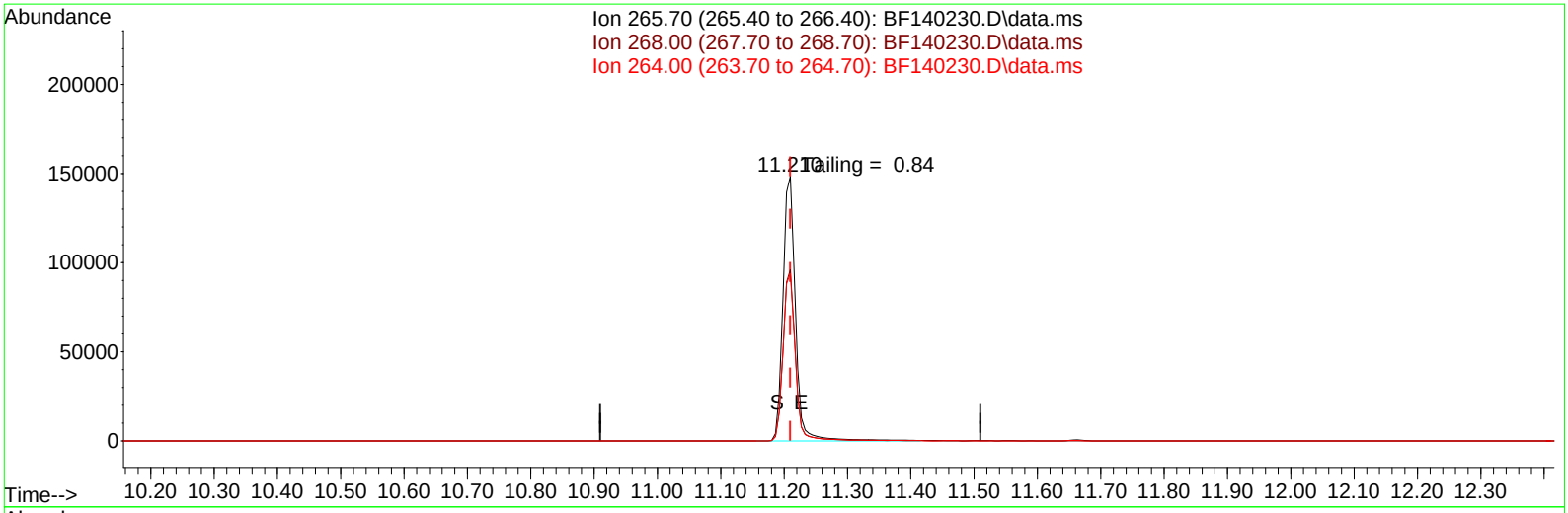
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	80133	PASS
68	69	0.00	2	1.6	1231	PASS
69	198	0.00	100	36.6	76347	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	45.6	95101	PASS
197	198	0.00	2	0.7	1410	PASS
198	198	100	100	100.0	208661	PASS
199	198	5	9	6.8	14126	PASS
275	198	10	60	27.8	58061	PASS
365	198	1	100	4.1	8531	PASS
441	198	0.01	100	15.7	32669	PASS
442	442	50	100	100.0	208811	PASS
443	442	15	24	19.0	39576	PASS

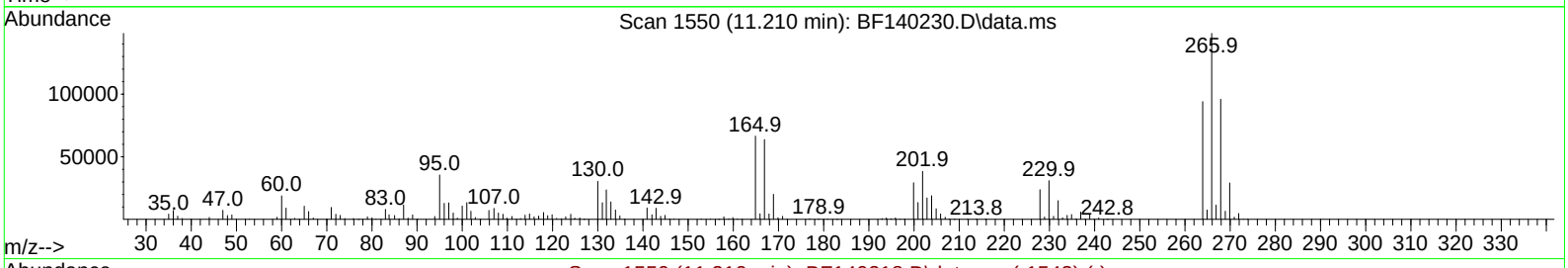
Sample Results: **BF140230.D**

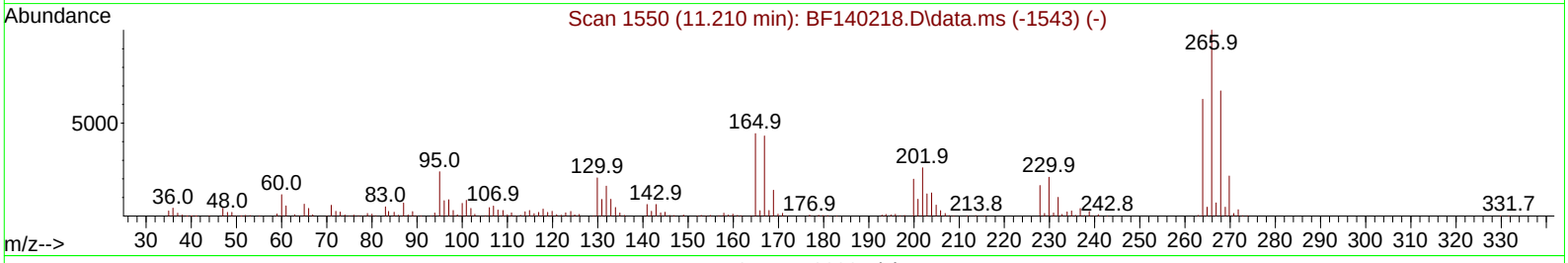
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 12:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 17:12:57 2024
Response via : Initial Calibration







TIC: BF140230.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 149686.01 ng

response 206677

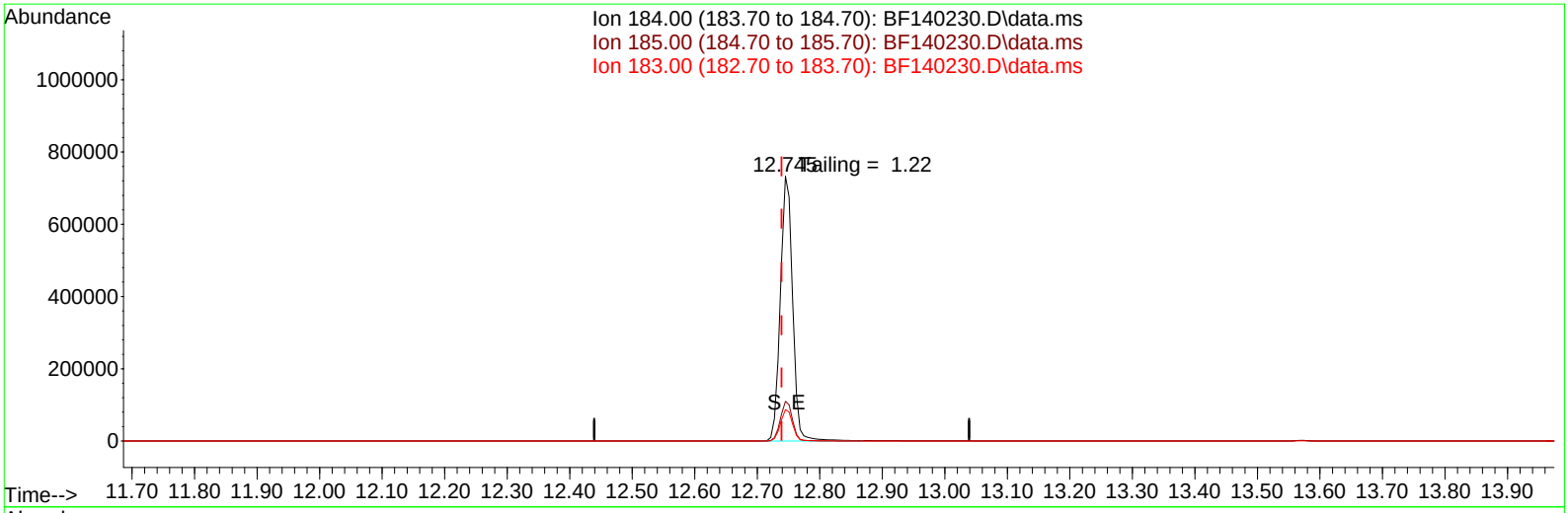
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.40	64.67
264.00	62.90	63.32
0.00	0.00	0.00

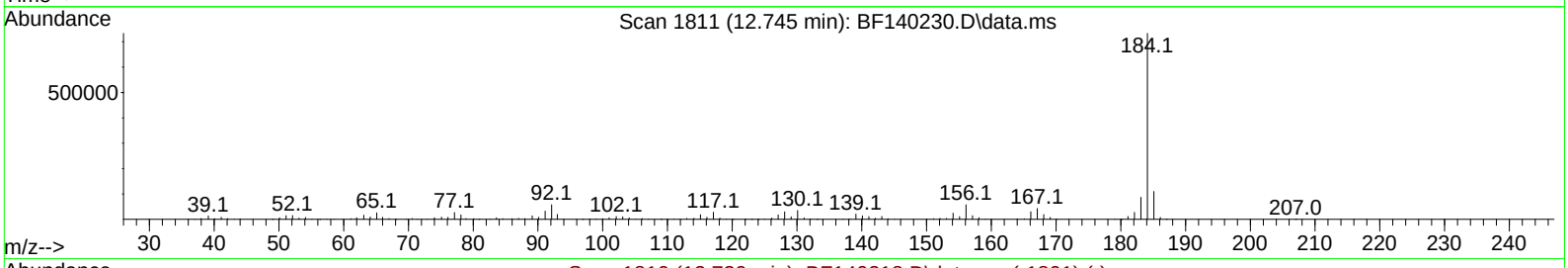
Sample Results: **BF140230.D**

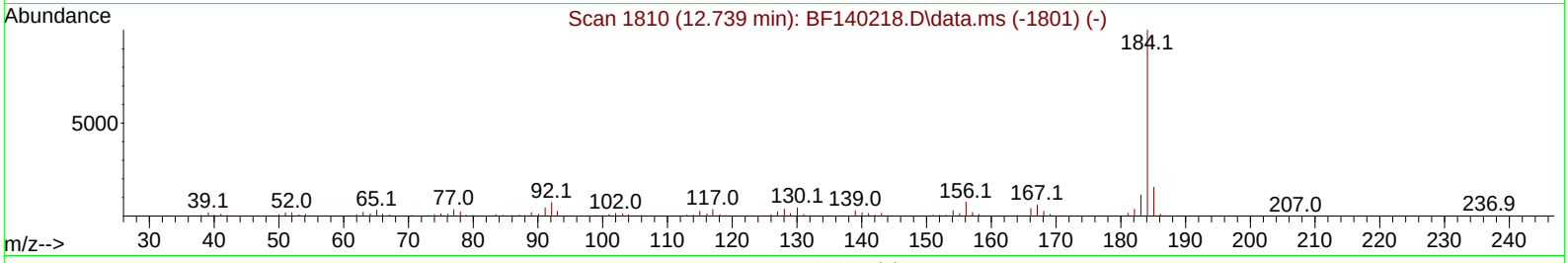
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140230.D
Acq On : 05 Nov 2024 11:56
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 05 12:57:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 17:12:57 2024
Response via : Initial Calibration







TIC: BF140230.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 305940.83 ng

response 1003011

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.97
183.00	11.30	11.87
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/5/2024	BNA_F	BF140230.D
Compound Name	**Response**	**Retention Time**
DDT	522863	13.574
DDD	21565	13.268
DDE	1336	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
22901	545764	4.20

Instrument :
BNA_F
ClientSampleId :
DFTPP

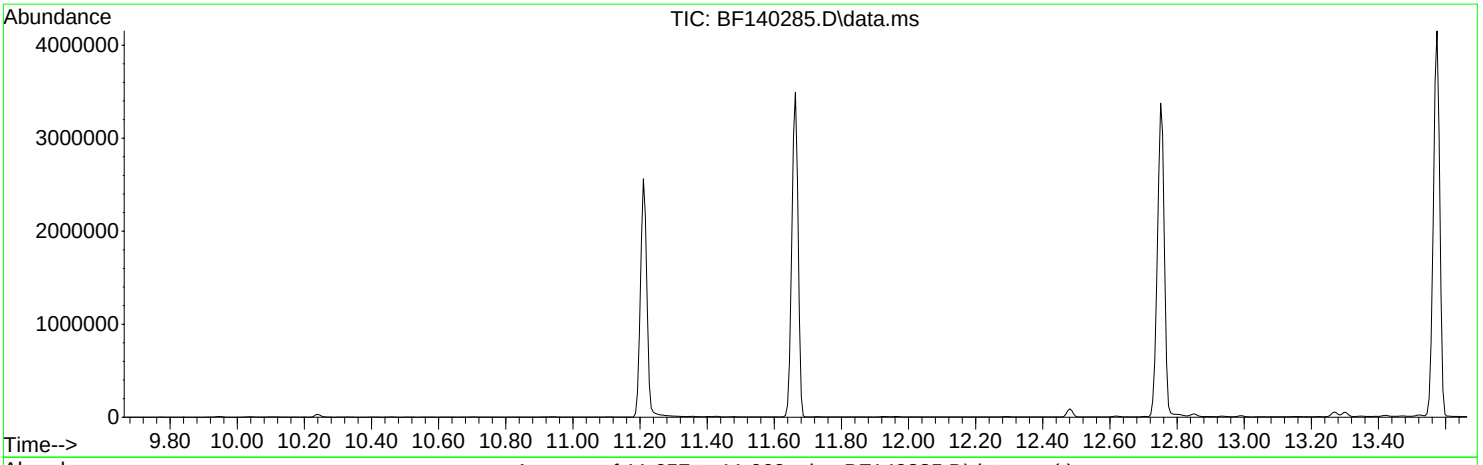
Sample Results: **BF140285.D**

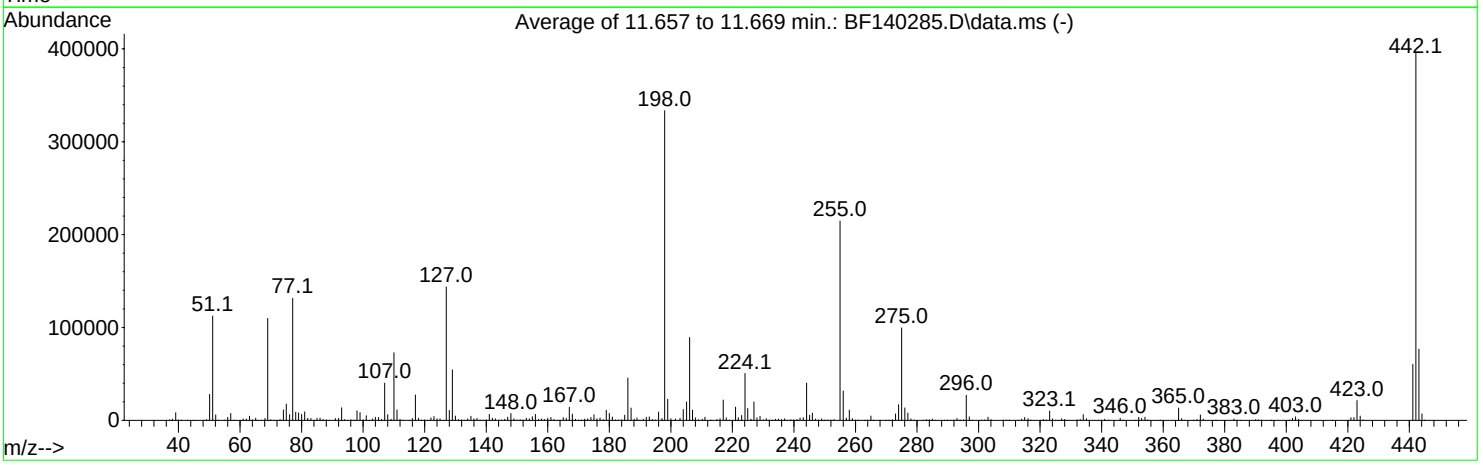
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 05 16:47:56 2024





AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.7	112429	PASS
68	69	0.00	2	2.0	2148	PASS
69	198	0.00	100	32.9	109765	PASS
70	69	0.00	2	0.6	648	PASS
127	198	10	80	43.1	143768	PASS
197	198	0.00	2	0.6	2149	PASS
198	198	100	100	100.0	333589	PASS
199	198	5	9	6.8	22803	PASS
275	198	10	60	29.9	99640	PASS
365	198	1	100	4.0	13268	PASS
441	198	0.01	100	18.1	60392	PASS
442	442	50	100	100.0	396117	PASS
443	442	15	24	19.4	76731	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/8/2024	BNA_F	BF140285.D
Compound Name	**Response**	**Retention Time**
DDT	1118785	13.575
DDD	23060	13.269
DDE	1849	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24909	1143694	2.18

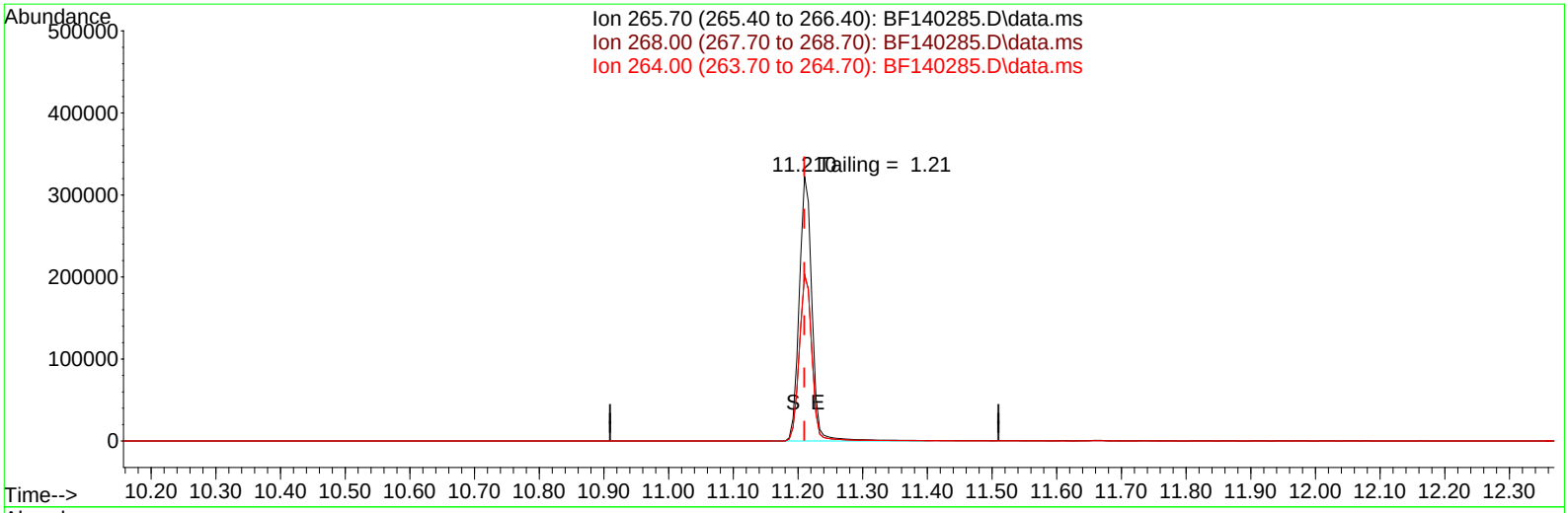
Instrument :
BNA_F
ClientSampleId :
DFTPP

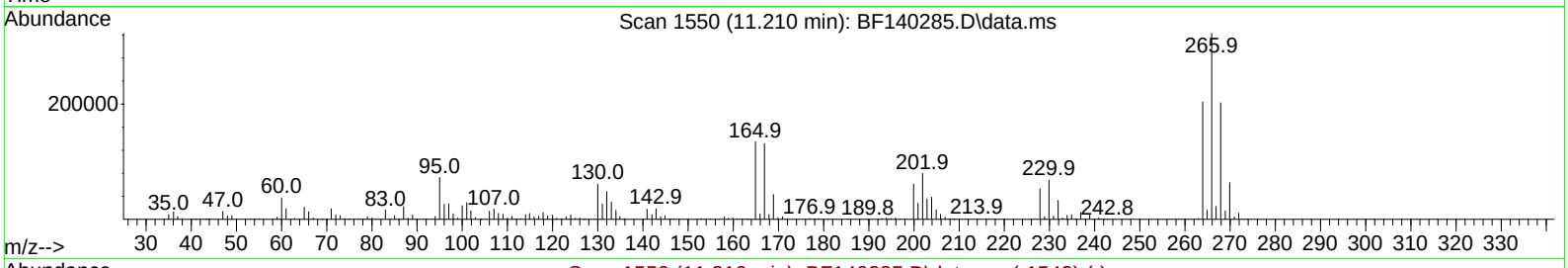
Sample Results: **BF140285.D**

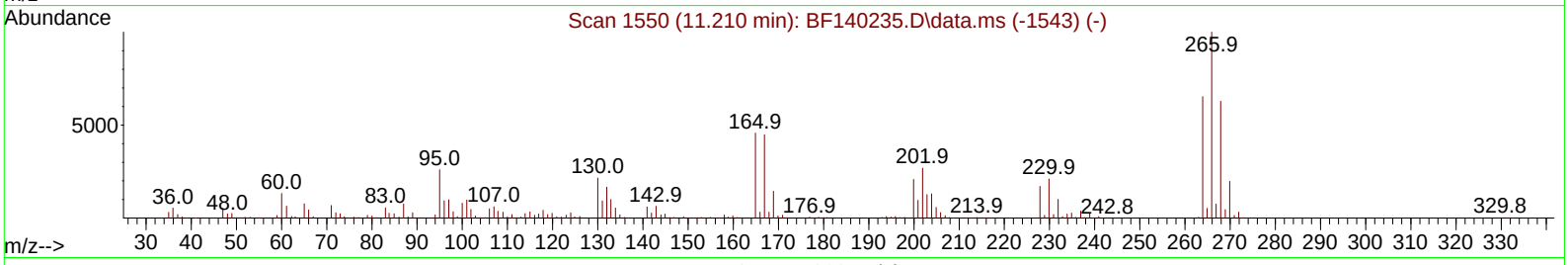
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:16:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration







TIC: BF140285.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.000) 32243.25 ng

response 440973

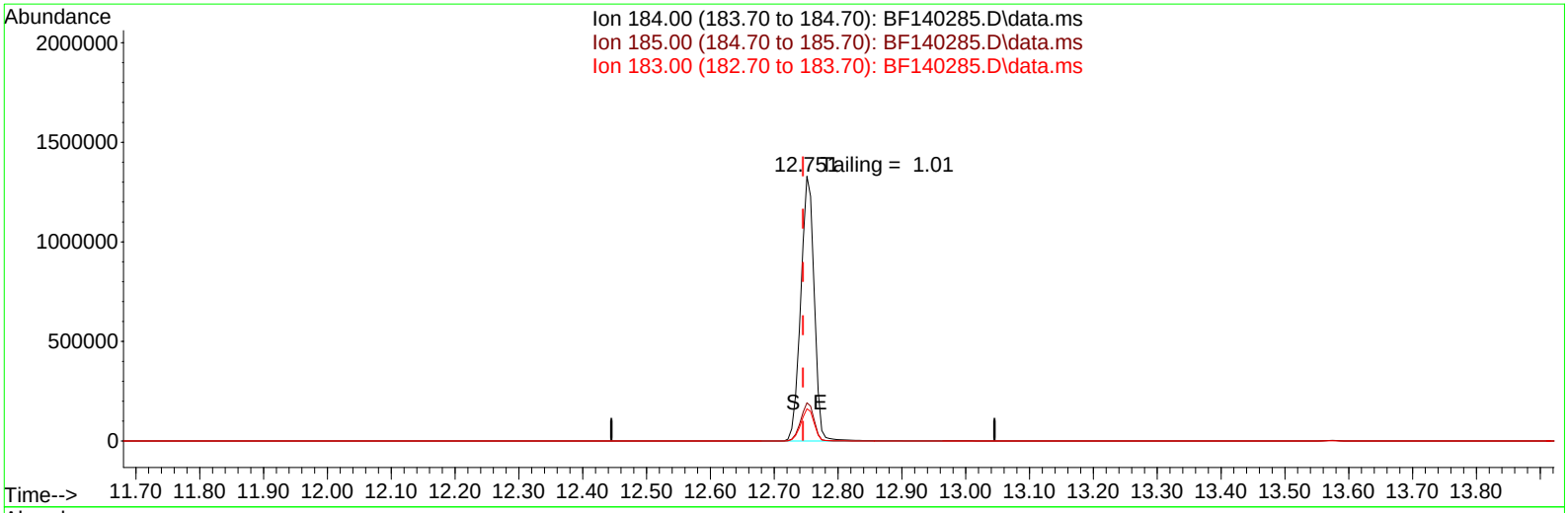
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	62.68
264.00	65.30	63.13
0.00	0.00	0.00

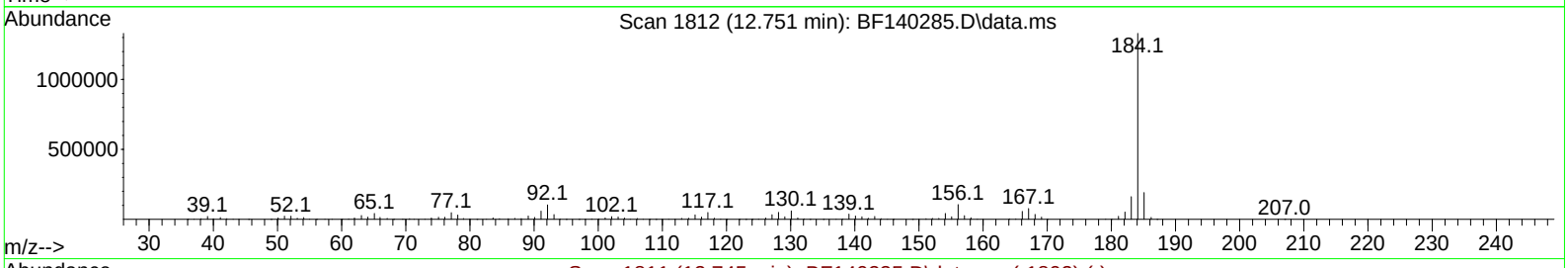
Sample Results: **BF140285.D**

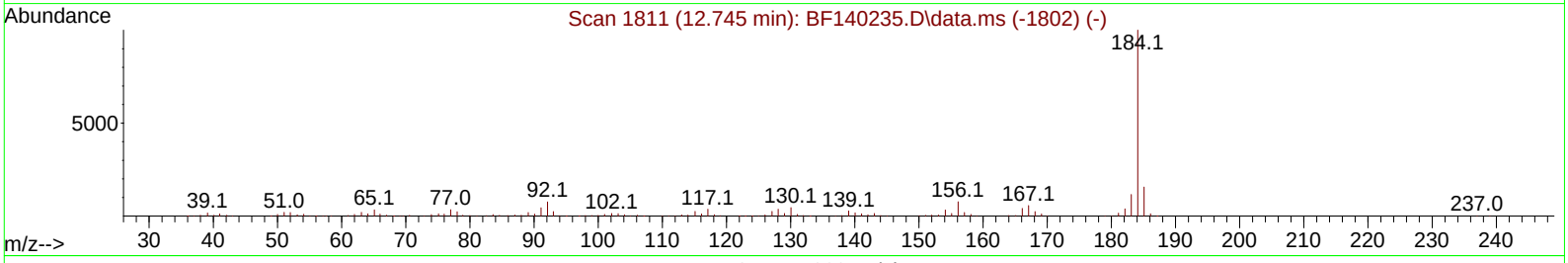
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140285.D
Acq On : 08 Nov 2024 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 10:16:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration







TIC: BF140285.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 52057.10 ng

response 1958264

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.60	14.44
183.00	11.60	12.17
0.00	0.00	0.00

Raw Data: **BF140287.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:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BL	SDG No.:	P4722
Lab Sample ID:	PB164765BL	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
BF140287.D	1	11/07/24 11:30	11/08/24 10:02	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	148		10 - 139	99%	SPK: 150
13127-88-3	Phenol-d6	146		10 - 134	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		49 - 133	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.3		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	184		44 - 137	122%	SPK: 150
1718-51-0	Terphenyl-d14	96.4		48 - 125	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	181000	6.875			
1146-65-2	Naphthalene-d8	699000	8.157			
15067-26-2	Acenaphthene-d10	441000	9.916			
1517-22-2	Phenanthrene-d10	870000	11.404			
1719-03-5	Chrysene-d12	648000	14.051			
1520-96-3	Perylene-d12	498000	15.545			

Raw Data: **BF140287.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:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BL	SDG No.:	P4722
Lab Sample ID:	PB164765BL	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
BF140287.D	1	11/07/24 11:30	11/08/24 10:02	PB164765

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\BF110824\
Data File : BF140287.D
Acq On : 08 Nov 2024 10:02
Operator : RC/JU
Sample : PB164765BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Quant Time: Nov 08 10:32:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

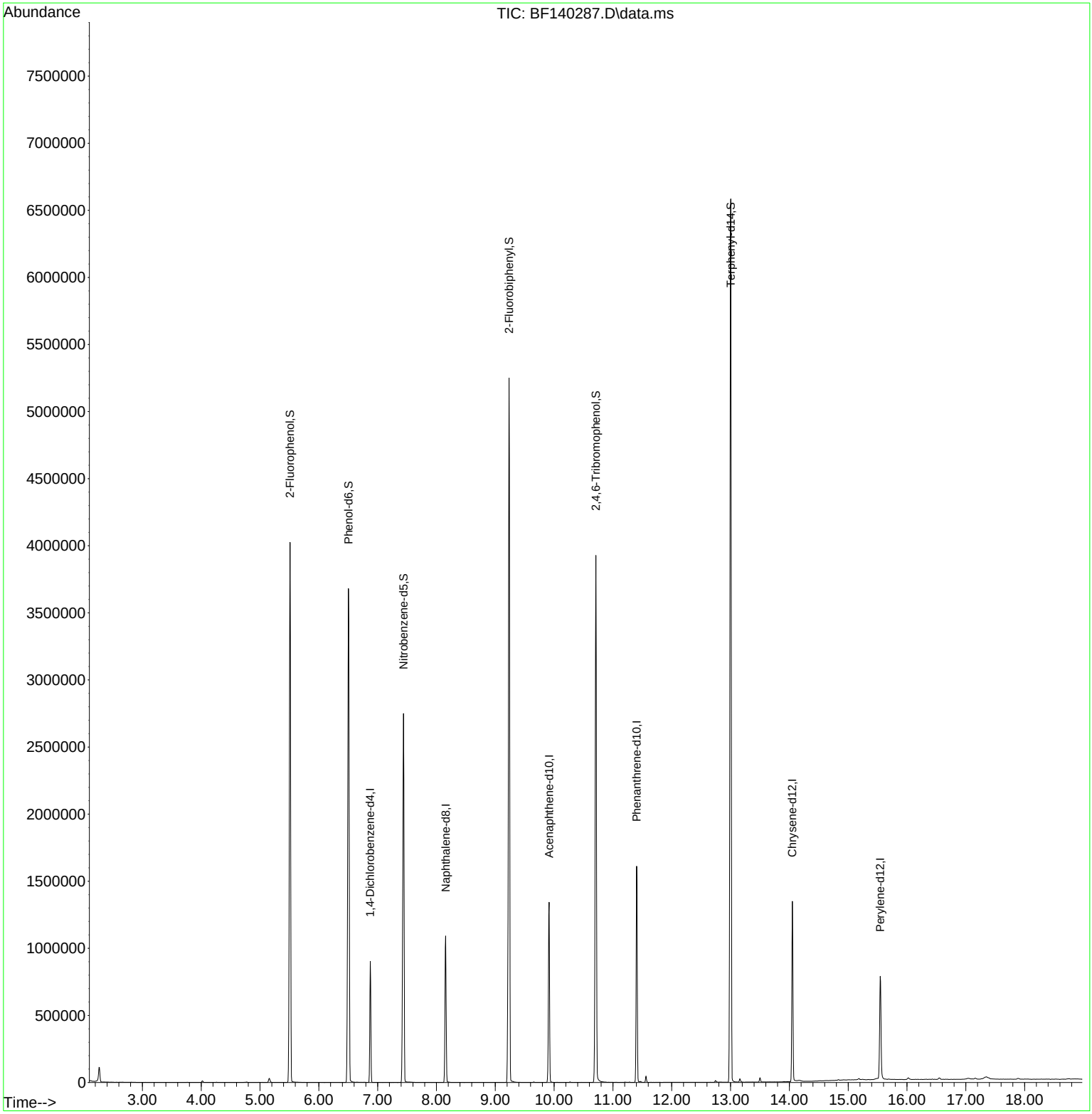
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	180593	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	699300	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	441390	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	869591	20.000	ng	0.00
76) Chrysene-d12	14.051	240	647570	20.000	ng	-0.01
86) Perylene-d12	15.545	264	498484	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1616773	148.363	ng	0.02
7) Phenol-d6	6.504	99	2039973	145.538	ng	0.00
23) Nitrobenzene-d5	7.439	82	1418224	100.832	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	801045	183.603	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2607755	94.340	ng	0.00
79) Terphenyl-d14	13.004	244	3810856	96.402	ng	0.00
Target Compounds						Qvalue

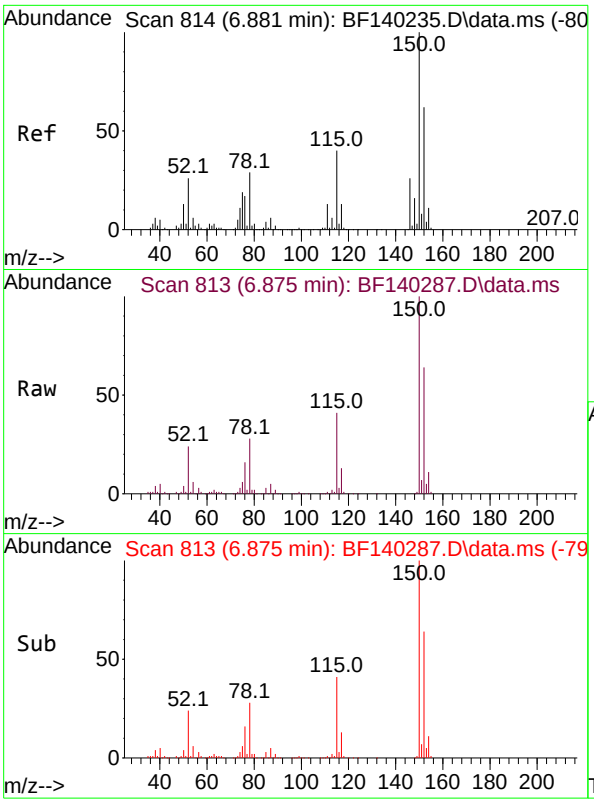
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140287.D
Acq On : 08 Nov 2024 10:02
Operator : RC/JU
Sample : PB164765BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Quant Time: Nov 08 10:32:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration



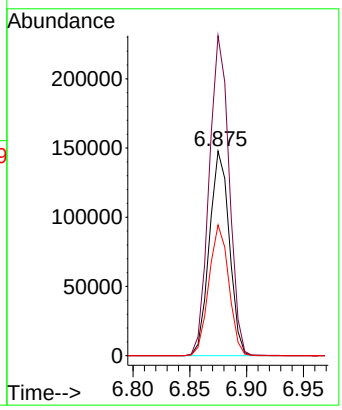


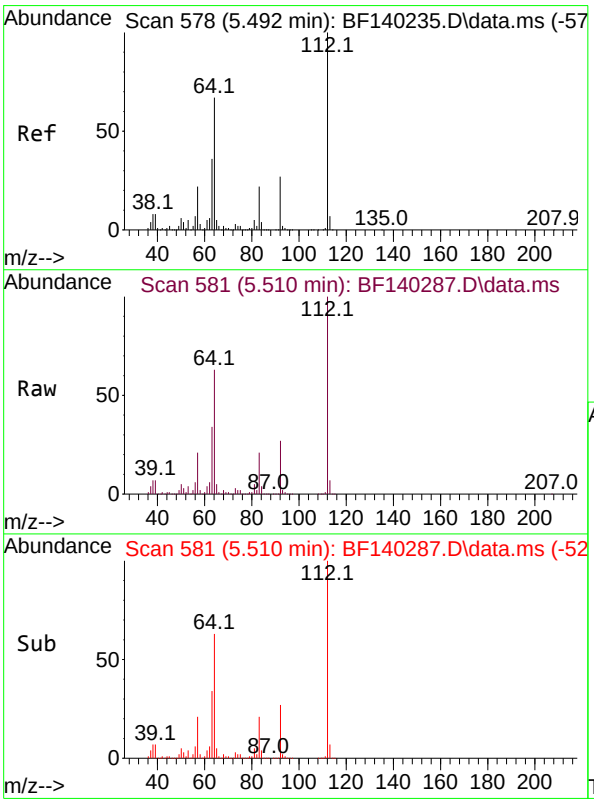
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion:152 Resp: 180593

Ion	Ratio	Lower	Upper
152	100		
150	156.4	129.4	194.2
115	63.9	51.5	77.3

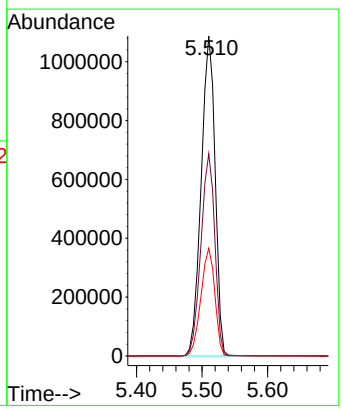


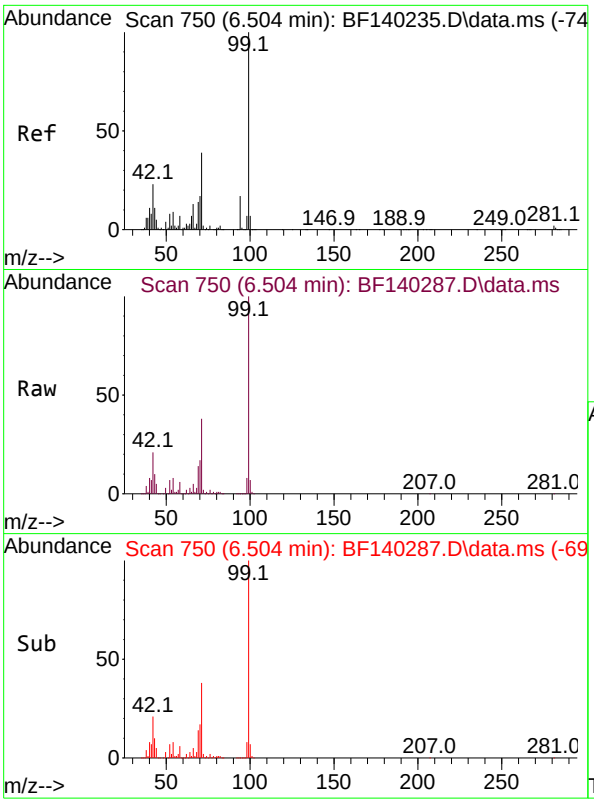


#5
2-Fluorophenol
Concen: 148.363 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:112 Resp: 1616773

Ion	Ratio	Lower	Upper
112	100		
64	63.2	53.4	80.2
63	33.7	28.9	43.3



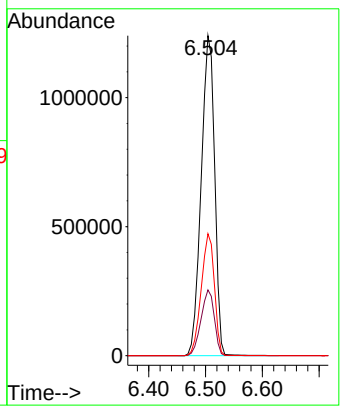


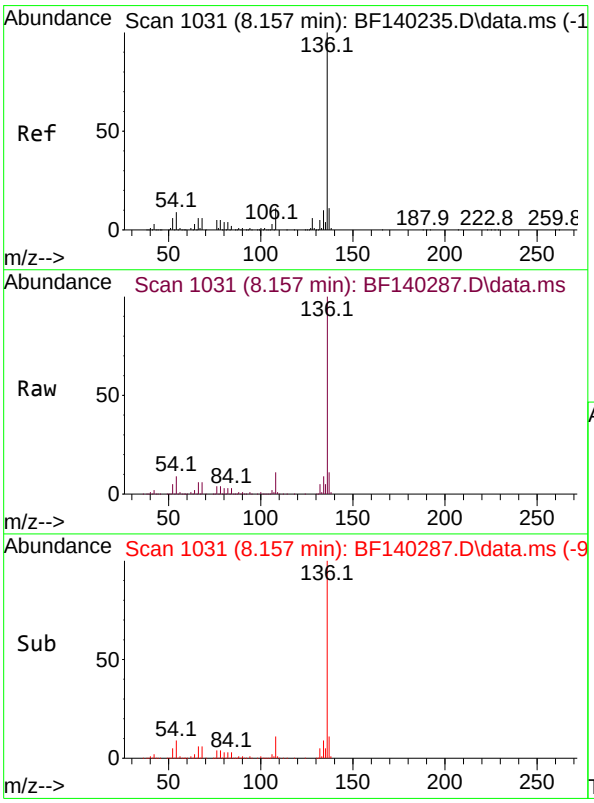
#7
Phenol-d6
Concen: 145.538 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion: 99 Resp: 2039973

Ion	Ratio	Lower	Upper
99	100		
42	20.5	18.2	27.2
71	38.1	30.9	46.3

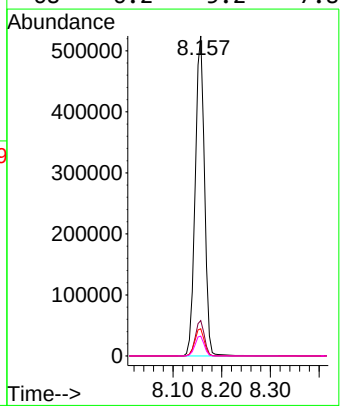


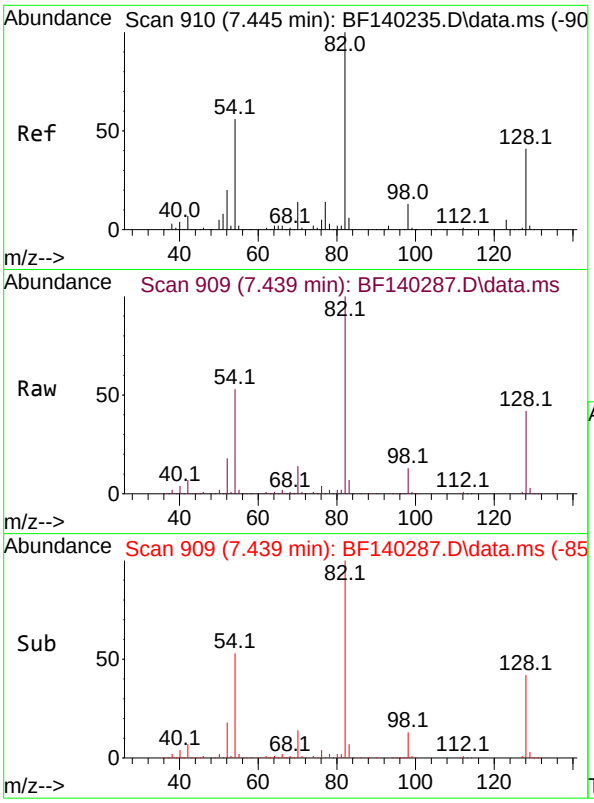


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:136 Resp: 699300

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	8.5	7.7	11.5
68	6.2	5.2	7.8



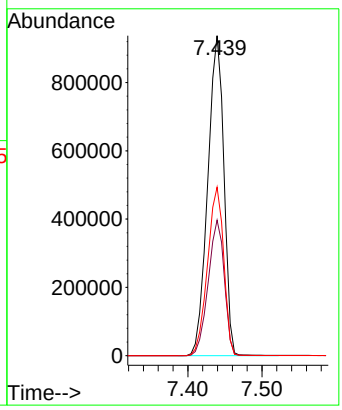


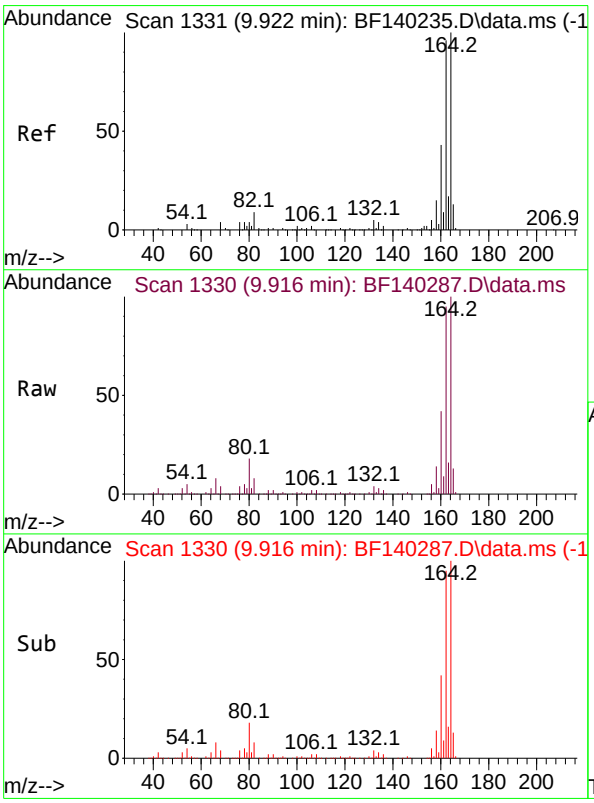
#23
Nitrobenzene-d5
Concen: 100.832 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion: 82 Resp: 1418224

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.8	49.2
54	52.6	44.3	66.5

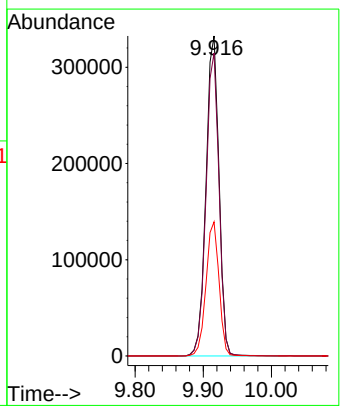


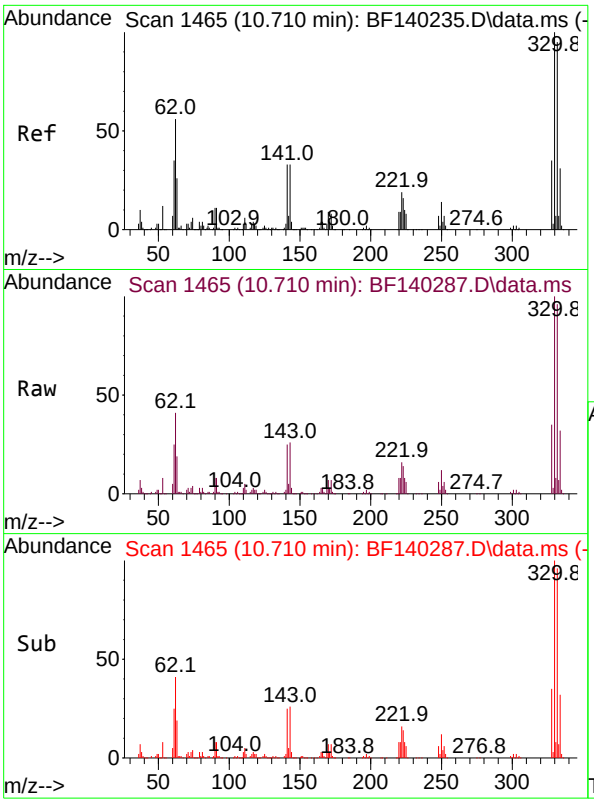


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:164 Resp: 441390

Ion	Ratio	Lower	Upper
164	100		
162	94.6	77.0	115.4
160	41.9	34.1	51.1



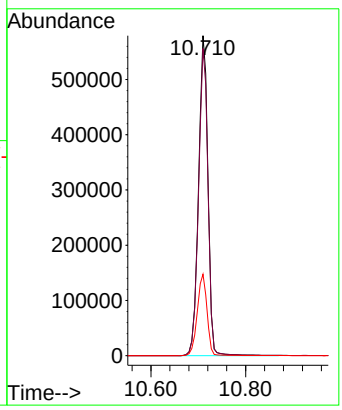


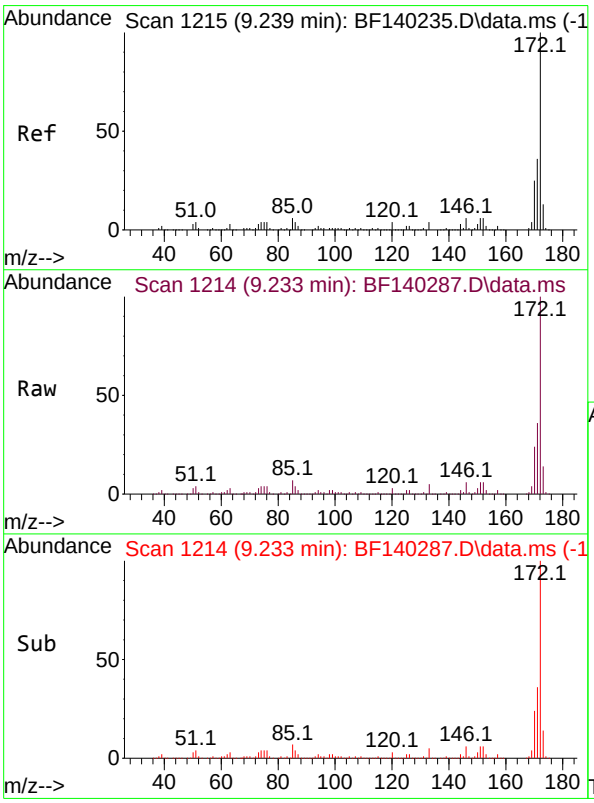
#42
2,4,6-Tribromophenol
Concen: 183.603 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion:330 Resp: 801045

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.4	114.6
141	26.4	27.0	40.4#

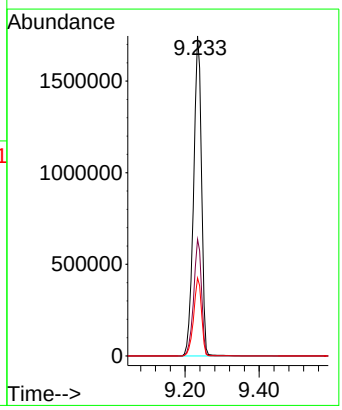


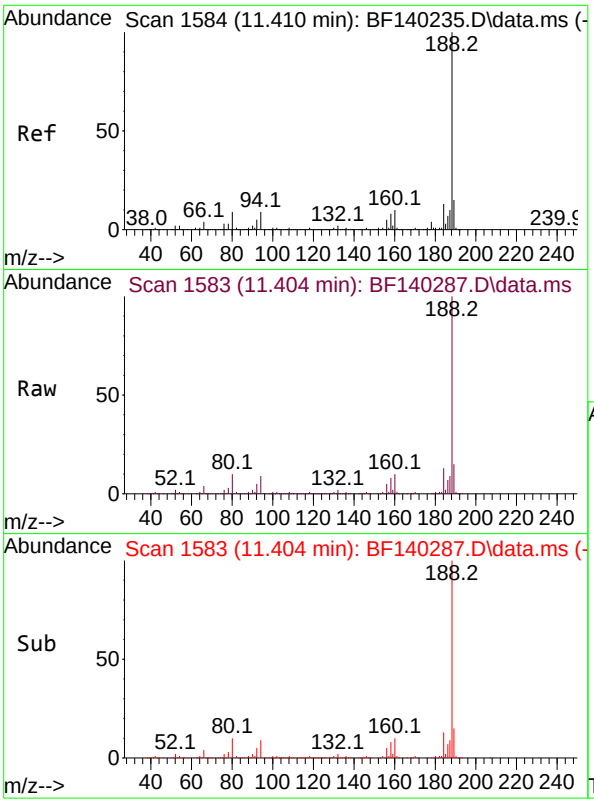


#45
2-Fluorobiphenyl
Concen: 94.340 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:172 Resp: 2607755

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.8	43.2
170	24.4	19.6	29.4



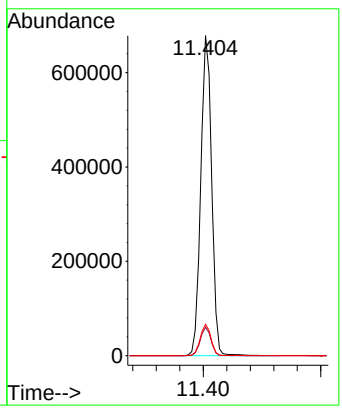


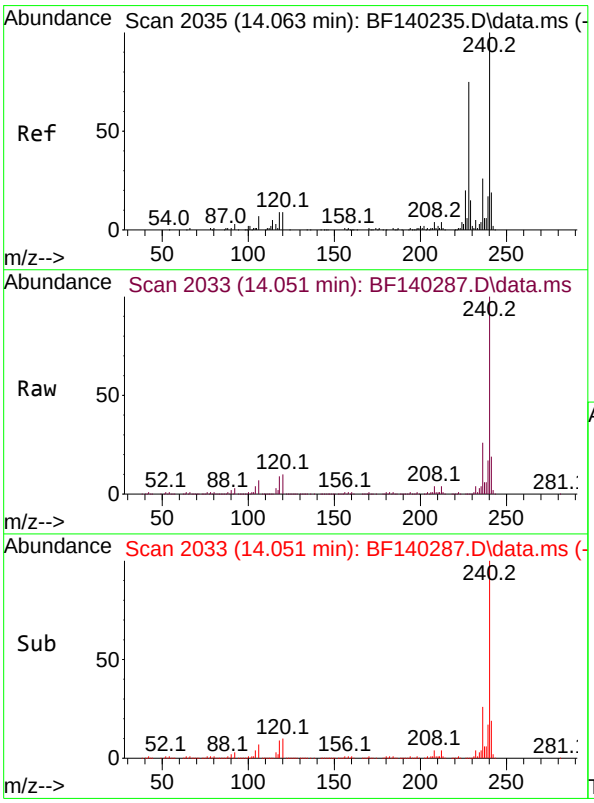
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion:188 Resp: 869591

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.8	7.5	11.3

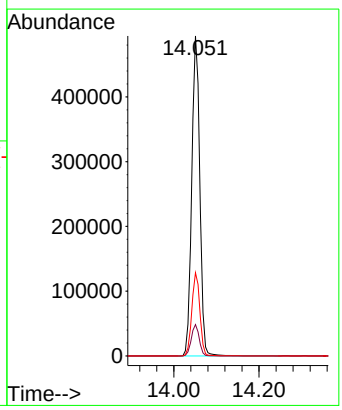


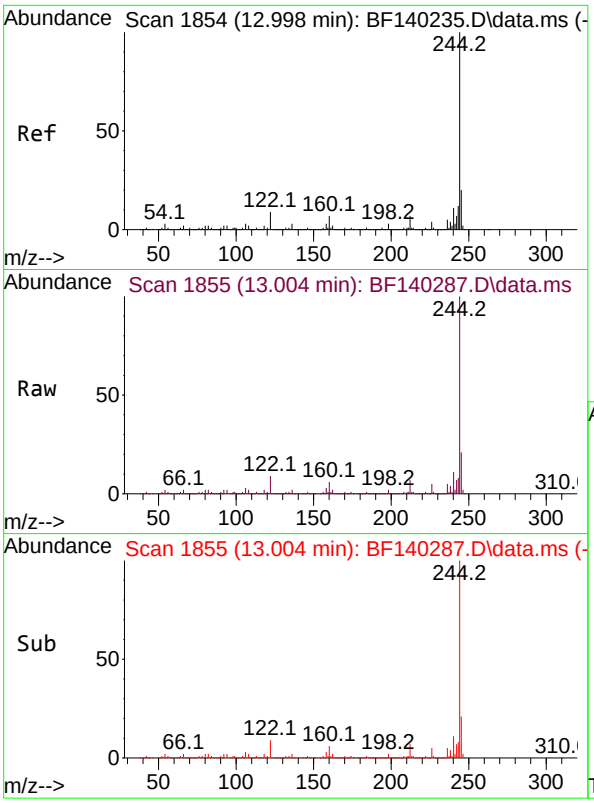


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:240 Resp: 647570

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.5	11.3
236	26.0	20.9	31.3



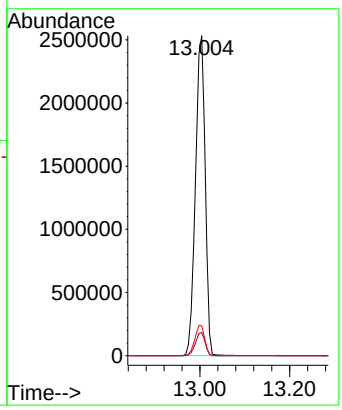


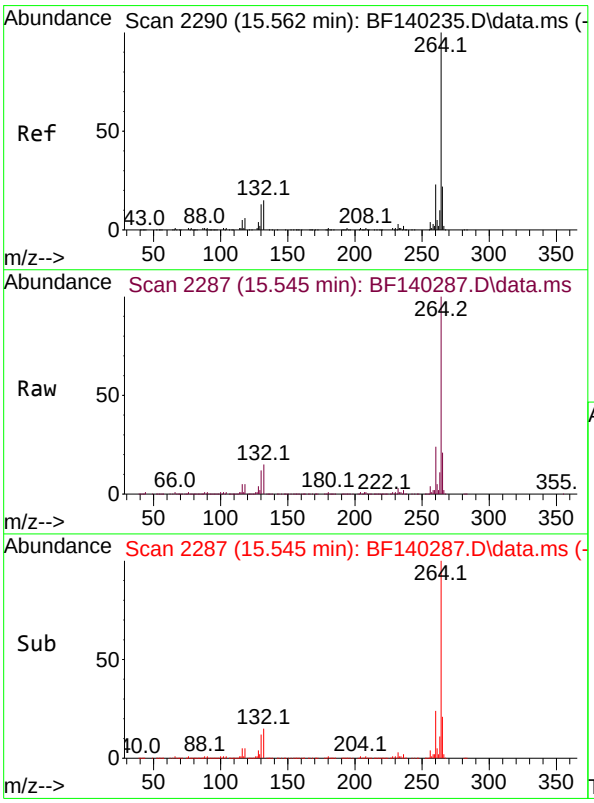
#79
Terphenyl-d14
Concen: 96.402 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Instrument :
BNA_F
ClientSampleId :
PB164765BL

Tgt Ion:244 Resp: 3810856

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.3	7.6	11.4

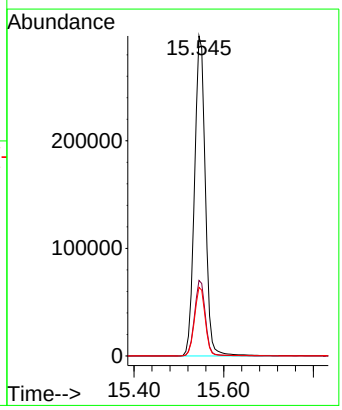




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.018 min
Lab File: BF140287.D
Acq: 08 Nov 2024 10:02

Tgt Ion:264 Resp: 498484

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.5	17.3	25.9



Raw Data: **BE101546.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:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BS	SDG No.:	P4722
Lab Sample ID:	PB164765BS	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
BE101546.D	1	11/07/24 11:30	11/08/24 11:27	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	38.5		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	48.0		0.84	5.00	ug/L
95-48-7	2-Methylphenol	53.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	52.7		1.20	10.0	ug/L
67-72-1	Hexachloroethane	47.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	49.6		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.9		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	52.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.0		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	50.2		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	48.3		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	116%	SPK: 150
13127-88-3	Phenol-d6	164		10 - 134	109%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		49 - 133	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		44 - 137	99%	SPK: 150
1718-51-0	Terphenyl-d14	104		48 - 125	104%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	39700	7.559			
1146-65-2	Naphthalene-d8	182000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.169			
1517-22-2	Phenanthrene-d10	269000	16.907			
1719-03-5	Chrysene-d12	349000	21.072			
1520-96-3	Perylene-d12	478000	23.352			

Raw Data: **BE101546.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:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164765BS	SDG No.:	P4722
Lab Sample ID:	PB164765BS	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
BE101546.D	1	11/07/24 11:30	11/08/24 11:27	PB164765

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_E\Data\BE110824\
Data File : BE101546.D
Acq On : 8 Nov 2024 11:27
Operator : RC/JU
Sample : PB164765BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164765BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.559	152	39669	20.000	ng		0.00
21) Naphthalene-d8	10.326	136	182397	20.000	ng		0.00
39) Acenaphthene-d10	14.169	164	121151	20.000	ng		0.00
64) Phenanthrene-d10	16.907	188	268998	20.000	ng		0.00
76) Chrysene-d12	21.072	240	348750	20.000	ng		0.00
86) Perylene-d12	23.352	264	477959	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.314	112	391806	174.641	ng		0.00
7) Phenol-d6	6.942	99	503646	163.734	ng		0.00
23) Nitrobenzene-d5	8.769	82	298098	103.233	ng		0.00
42) 2,4,6-Tribromophenol	15.679	330	339065	148.733	ng		0.00
45) 2-Fluorobiphenyl	12.794	172	763305	102.874	ng		0.00
79) Terphenyl-d14	19.503	244	1645290	104.429	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.193	88	33564	40.202	ng		99
3) Pyridine	3.610	79	90008	38.548	ng		96
4) n-Nitrosodimethylamine	3.540	42	47766	51.660	ng		95
6) Aniline	6.995	93	169491	73.415	ng		98
8) 2-Chlorophenol	7.206	128	145936	54.905	ng		98
9) Benzaldehyde	6.771	77	10368	6.891	ng		96
10) Phenol	6.965	94	193650	57.836	ng		99
11) bis(2-Chloroethyl)ether	7.024	93	126397m	45.601	ng		
12) 1,3-Dichlorobenzene	7.447	146	136200	46.937	ng		99
13) 1,4-Dichlorobenzene	7.594	146	141042	47.988	ng		98
14) 1,2-Dichlorobenzene	7.923	146	137522	47.666	ng		99
15) Benzyl Alcohol	7.894	79	97292	54.146	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.052	45	175311	53.431	ng		95
17) 2-Methylphenol	8.146	107	116679	53.826	ng		99
18) Hexachloroethane	8.616	117	46992	47.343	ng		97
19) n-Nitroso-di-n-propyla...	8.364	70	101544	50.066	ng		98
20) 3+4-Methylphenols	8.481	107	158529	52.743	ng		98
22) Acetophenone	8.411	105	202418	49.003	ng	#	99
24) Nitrobenzene	8.810	77	148824	49.551	ng		96
25) Isophorone	9.257	82	275877	49.092	ng		98
26) 2-Nitrophenol	9.498	139	81076	50.725	ng		97
27) 2,4-Dimethylphenol	9.615	122	116127	62.791	ng		99
28) bis(2-Chloroethoxy)met...	9.756	93	166352	48.359	ng		99
29) 2,4-Dichlorophenol	10.050	162	136043	51.818	ng		98
30) 1,2,4-Trichlorobenzene	10.173	180	132310	45.144	ng		100
31) Naphthalene	10.373	128	446462	48.486	ng		100
32) Benzoic acid	9.885	122	68162	40.662	ng		96
33) 4-Chloroaniline	10.602	127	101003	31.192	ng		99
34) Hexachlorobutadiene	10.620	225	81126	44.909	ng		99
35) Caprolactam	11.378	113	46038m	47.752	ng		
36) 4-Chloro-3-methylphenol	11.783	107	141553	49.374	ng		99
37) 2-Methylnaphthalene	11.965	142	319375	48.832	ng		98
38) 1-Methylnaphthalene	12.194	142	300436	46.063	ng		98
40) 1,2,4,5-Tetrachloroben...	12.324	216	157191	49.213	ng		99
41) Hexachlorocyclopentadiene	12.306	237	206372	221.405	ng		99
43) 2,4,6-Trichlorophenol	12.647	196	114541	52.215	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101546.D
Acq On : 8 Nov 2024 11:27
Operator : RC/JU
Sample : PB164765BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164765BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	124651	51.006	ng	97
46) 1,1'-Biphenyl	12.999	154	414187	49.562	ng	99
47) 2-Chloronaphthalene	13.046	162	322002	48.853	ng	100
48) 2-Nitroaniline	13.375	65	95976	55.009	ng	96
49) Acenaphthylene	13.904	152	527893	53.744	ng	99
50) Dimethylphthalate	13.675	163	431770	50.048	ng	100
51) 2,6-Dinitrotoluene	13.810	165	96343	48.385	ng	97
52) Acenaphthene	14.233	154	320905	51.197	ng	98
53) 3-Nitroaniline	14.221	138	72409	37.458	ng	98
54) 2,4-Dinitrophenol	14.368	184	130816	112.108	ng	98
55) Dibenzofuran	14.574	168	510603	50.587	ng	99
56) 4-Nitrophenol	14.656	139	183303	114.835	ng	94
57) 2,4-Dinitrotoluene	14.597	165	140318	50.160	ng	95
58) Fluorene	15.214	166	424454	50.389	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.850	232	120295	53.196	ng	99
60) Diethylphthalate	15.003	149	450901	49.569	ng	99
61) 4-Chlorophenyl-phenyle...	15.197	204	206925	48.375	ng	98
62) 4-Nitroaniline	15.414	138	108399	52.048	ng	97
63) Azobenzene	15.496	77	389729	52.516	ng	97
65) 4,6-Dinitro-2-methylph...	15.344	198	88341	55.324	ng	97
66) n-Nitrosodiphenylamine	15.449	169	378253	52.986	ng	99
67) 4-Bromophenyl-phenylether	16.084	248	145858	49.162	ng	99
68) Hexachlorobenzene	16.196	284	188514	48.280	ng	98
69) Atrazine	16.384	200	118062	56.017	ng	97
70) Pentachlorophenol	16.607	266	226190	106.764	ng	99
71) Phenanthrene	16.948	178	700206	53.519	ng	99
72) Anthracene	17.036	178	719643	55.699	ng	100
73) Carbazole	17.371	167	691394	53.362	ng	99
74) Di-n-butylphthalate	17.811	149	829412	51.837	ng	99
75) Fluoranthene	18.957	202	882816	52.628	ng	100
77) Benzidine	19.210	184	375815	50.166	ng	100
78) Pyrene	19.327	202	954484	48.101	ng	100
80) Butylbenzylphthalate	20.173	149	441852	49.549	ng	98
81) Benzo(a)anthracene	21.049	228	1109594	53.571	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	395580	48.517	ng	98
83) Chrysene	21.108	228	1058038	53.743	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	653624	48.480	ng	100
85) Di-n-octyl phthalate	21.719	149	1203152	52.750	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1782258	54.262	ng	99
88) Benzo(b)fluoranthene	22.653	252	1304299	49.739	ng	100
89) Benzo(k)fluoranthene	22.694	252	1293730	54.348	ng	99
90) Benzo(a)pyrene	23.252	252	1261937	55.741	ng	99
91) Dibenzo(a,h)anthracene	25.684	278	1476377	53.972	ng	99
92) Benzo(g,h,i)perylene	26.437	276	1325956	47.712	ng	99

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

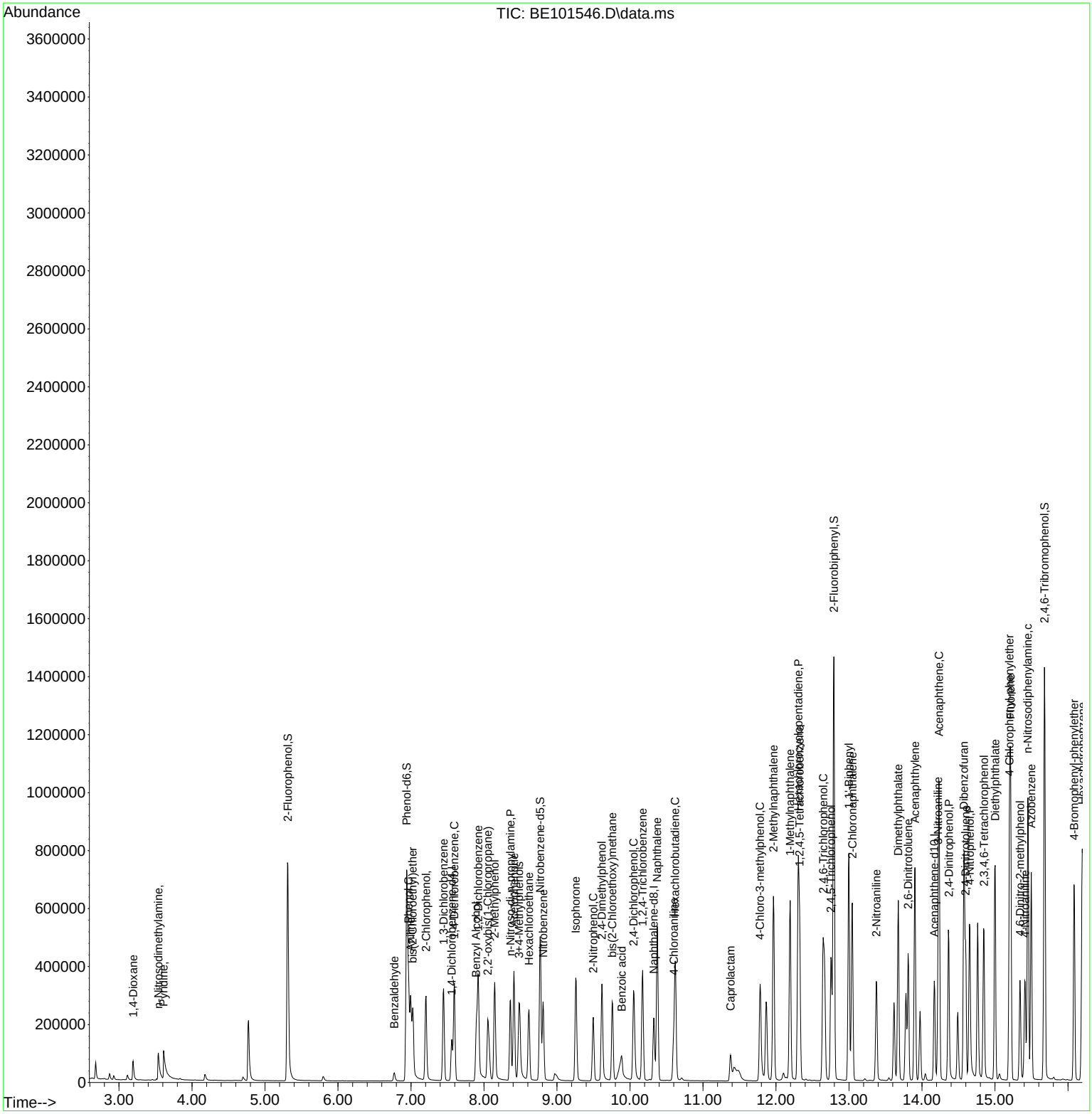
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101546.D
Acq On : 8 Nov 2024 11:27
Operator : RC/JU
Sample : PB164765BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164765BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



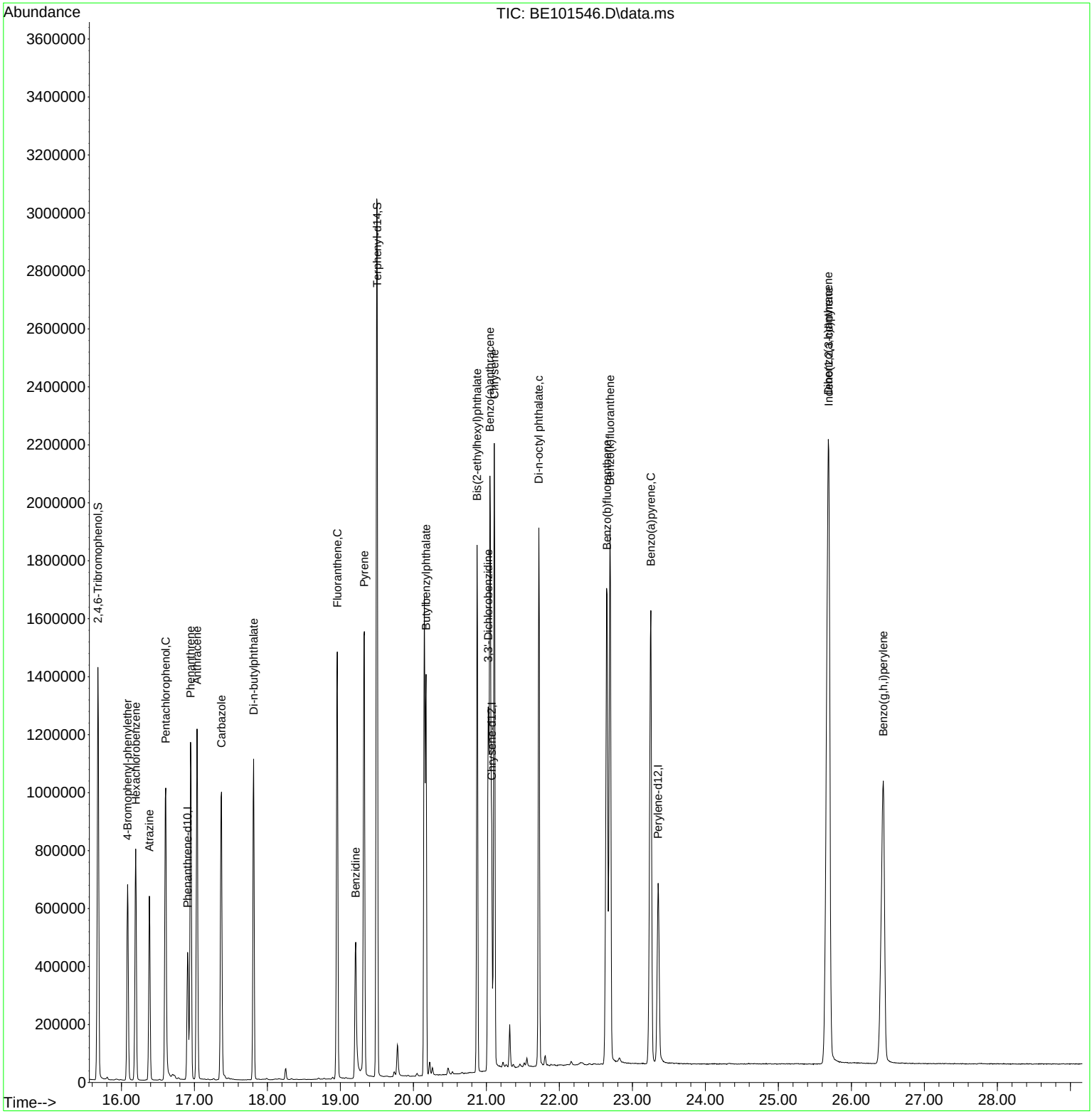
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101546.D
Acq On : 8 Nov 2024 11:27
Operator : RC/JU
Sample : PB164765BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 11:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
PB164765BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



Raw Data: **BE101557.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:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MS	SDG No.:	P4722
Lab Sample ID:	P4739-04MS	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
BE101557.D	1	11/07/24 11:30	11/08/24 18:07	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	340		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	520		8.40	50.0	ug/L
95-48-7	2-Methylphenol	560		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	540		11.5	100	ug/L
67-72-1	Hexachloroethane	520		10.1	50.0	ug/L
98-95-3	Nitrobenzene	540		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	550		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	550		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1300	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	117%	SPK: 150
13127-88-3	Phenol-d6	155		10 - 134	103%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		49 - 133	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	110		52 - 132	110%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		44 - 137	110%	SPK: 150
1718-51-0	Terphenyl-d14	115		48 - 125	115%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	47500	7.558			
1146-65-2	Naphthalene-d8	202000	10.326			
15067-26-2	Acenaphthene-d10	131000	14.168			
1517-22-2	Phenanthrene-d10	298000	16.906			
1719-03-5	Chrysene-d12	370000	21.072			
1520-96-3	Perylene-d12	477000	23.351			

Raw Data: **BE101557.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:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MS	SDG No.:	P4722
Lab Sample ID:	P4739-04MS	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
BE101557.D	1	11/07/24 11:30	11/08/24 18:07	PB164765

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: **BE101557.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101557.D
Acq On : 8 Nov 2024 18:07
Operator : RC/JU
Sample : P4739-04MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 23:48:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.558	152	47543	20.000	ng	0.00
21) Naphthalene-d8	10.326	136	202399	20.000	ng	0.00
39) Acenaphthene-d10	14.168	164	130758	20.000	ng	0.00
64) Phenanthrene-d10	16.906	188	298419	20.000	ng	0.00
76) Chrysene-d12	21.072	240	369646	20.000	ng	0.00
86) Perylene-d12	23.351	264	476783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	471631	175.405	ng	0.00
7) Phenol-d6	6.941	99	572317	155.244	ng	0.00
23) Nitrobenzene-d5	8.769	82	358732	111.954	ng	0.00
42) 2,4,6-Tribromophenol	15.678	330	407511	165.623	ng	0.00
45) 2-Fluorobiphenyl	12.793	172	880282	109.923	ng	0.00
79) Terphenyl-d14	19.503	244	1924640	115.254	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.210	88	52039	52.007	ng	# 38
3) Pyridine	3.639	79	95459	34.112	ng	99
4) n-Nitrosodimethylamine	3.551	42	64920	58.584	ng	95
6) Aniline	7.000	93	141932	51.296	ng	97
8) 2-Chlorophenol	7.206	128	180535	56.673	ng	99
9) Benzaldehyde	6.771	77	14656	8.127	ng	97
10) Phenol	6.971	94	224881	56.040	ng	99
11) bis(2-Chloroethyl)ether	7.024	93	157300	47.351	ng	100
12) 1,3-Dichlorobenzene	7.447	146	177206	50.954	ng	99
13) 1,4-Dichlorobenzene	7.593	146	181776	51.604	ng	99
14) 1,2-Dichlorobenzene	7.923	146	175471	50.747	ng	99
15) Benzyl Alcohol	7.893	79	120744	56.069	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.052	45	219261	55.759	ng	95
17) 2-Methylphenol	8.146	107	145722	56.090	ng	99
18) Hexachloroethane	8.616	117	61431	51.640	ng	99
19) n-Nitroso-di-n-propyla...	8.363	70	124296	51.135	ng	97
20) 3+4-Methylphenols	8.481	107	194731	54.057	ng	98
22) Acetophenone	8.410	105	248188	54.146	ng	99
24) Nitrobenzene	8.810	77	180088	54.035	ng	96
25) Isophorone	9.256	82	338330	54.256	ng	98
26) 2-Nitrophenol	9.497	139	99730	56.229	ng	97
27) 2,4-Dimethylphenol	9.615	122	143542	69.945	ng	100
28) bis(2-Chloroethoxy)met...	9.756	93	205162	53.747	ng	99
29) 2,4-Dichlorophenol	10.049	162	166806	57.257	ng	99
30) 1,2,4-Trichlorobenzene	10.173	180	164942	50.716	ng	98
31) Naphthalene	10.373	128	544126	53.252	ng	99
32) Benzoic acid	9.891	122	76197	40.913	ng	98
33) 4-Chloroaniline	10.608	127	33751	9.393	ng	97
34) Hexachlorobutadiene	10.619	225	102512	51.140	ng	99
35) Caprolactam	11.383	113	45403m	42.439	ng	
36) 4-Chloro-3-methylphenol	11.783	107	170154	53.485	ng	99
37) 2-Methylnaphthalene	11.965	142	389059	53.608	ng	99
38) 1-Methylnaphthalene	12.194	142	366034	50.574	ng	99
40) 1,2,4,5-Tetrachloroben...	12.323	216	194039	56.286	ng	99
41) Hexachlorocyclopentadiene	12.306	237	227100	225.742	ng	98
43) 2,4,6-Trichlorophenol	12.646	196	139570	58.951	ng	100

Sample Results: **BE101557.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101557.D
Acq On : 8 Nov 2024 18:07
Operator : RC/JU
Sample : P4739-04MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 23:48:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	152110	57.669	ng	98
46) 1,1'-Biphenyl	12.999	154	506984	56.209	ng	99
47) 2-Chloronaphthalene	13.046	162	396452	55.729	ng	99
48) 2-Nitroaniline	13.375	65	115695	61.439	ng	95
49) Acenaphthylene	13.904	152	641600	60.521	ng	99
50) Dimethylphthalate	13.675	163	510212	54.795	ng	100
51) 2,6-Dinitrotoluene	13.810	165	114707	53.375	ng	98
52) Acenaphthene	14.233	154	395027	58.392	ng	99
53) 3-Nitroaniline	14.221	138	72195	34.603	ng	95
54) 2,4-Dinitrophenol	14.362	184	131043	104.051	ng	93
55) Dibenzofuran	14.574	168	623362	57.221	ng	100
56) 4-Nitrophenol	14.656	139	222745	129.292	ng	95
57) 2,4-Dinitrotoluene	14.597	165	167277	55.404	ng	97
58) Fluorene	15.214	166	521107	57.318	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.844	232	145852	59.759	ng	98
60) Diethylphthalate	15.002	149	536422	54.638	ng	100
61) 4-Chlorophenyl-phenyle...	15.196	204	252430	54.677	ng	98
62) 4-Nitroaniline	15.414	138	129891	57.786	ng	97
63) Azobenzene	15.496	77	470752	58.773	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	96596	54.530	ng	96
66) n-Nitrosodiphenylamine	15.449	169	458860	57.940	ng	99
67) 4-Bromophenyl-phenylether	16.084	248	180370	54.801	ng	98
68) Hexachlorobenzene	16.195	284	239062	55.189	ng	99
69) Atrazine	16.389	200	173790	74.328	ng	99
70) Pentachlorophenol	16.606	266	295532	125.742	ng	99
71) Phenanthrene	16.947	178	874759	60.269	ng	99
72) Anthracene	17.035	178	904945	63.136	ng	100
73) Carbazole	17.364	167	867175	60.331	ng	99
74) Di-n-butylphthalate	17.811	149	1021606	57.554	ng	100
75) Fluoranthene	18.957	202	1130677	60.759	ng	99
77) Benzidine	19.203	184	267048	33.632	ng	99
78) Pyrene	19.327	202	1213737	57.708	ng	99
80) Butylbenzylphthalate	20.173	149	543752	57.529	ng	98
81) Benzo(a)anthracene	21.048	228	1308799	59.617	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	377332	43.662	ng	99
83) Chrysene	21.107	228	1232497	59.065	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	803550	56.231	ng	100
85) Di-n-octyl phthalate	21.718	149	1401091	57.956	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1972427	60.200	ng	100
88) Benzo(b)fluoranthene	22.646	252	1487104	56.850	ng	99
89) Benzo(k)fluoranthene	22.693	252	1435905	60.469	ng	99
90) Benzo(a)pyrene	23.252	252	1403855	62.163	ng	99
91) Dibenzo(a,h)anthracene	25.684	278	1640502	60.120	ng	99
92) Benzo(g,h,i)perylene	26.436	276	1486194	53.610	ng	99

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

Sample Results: **BE101557.D**

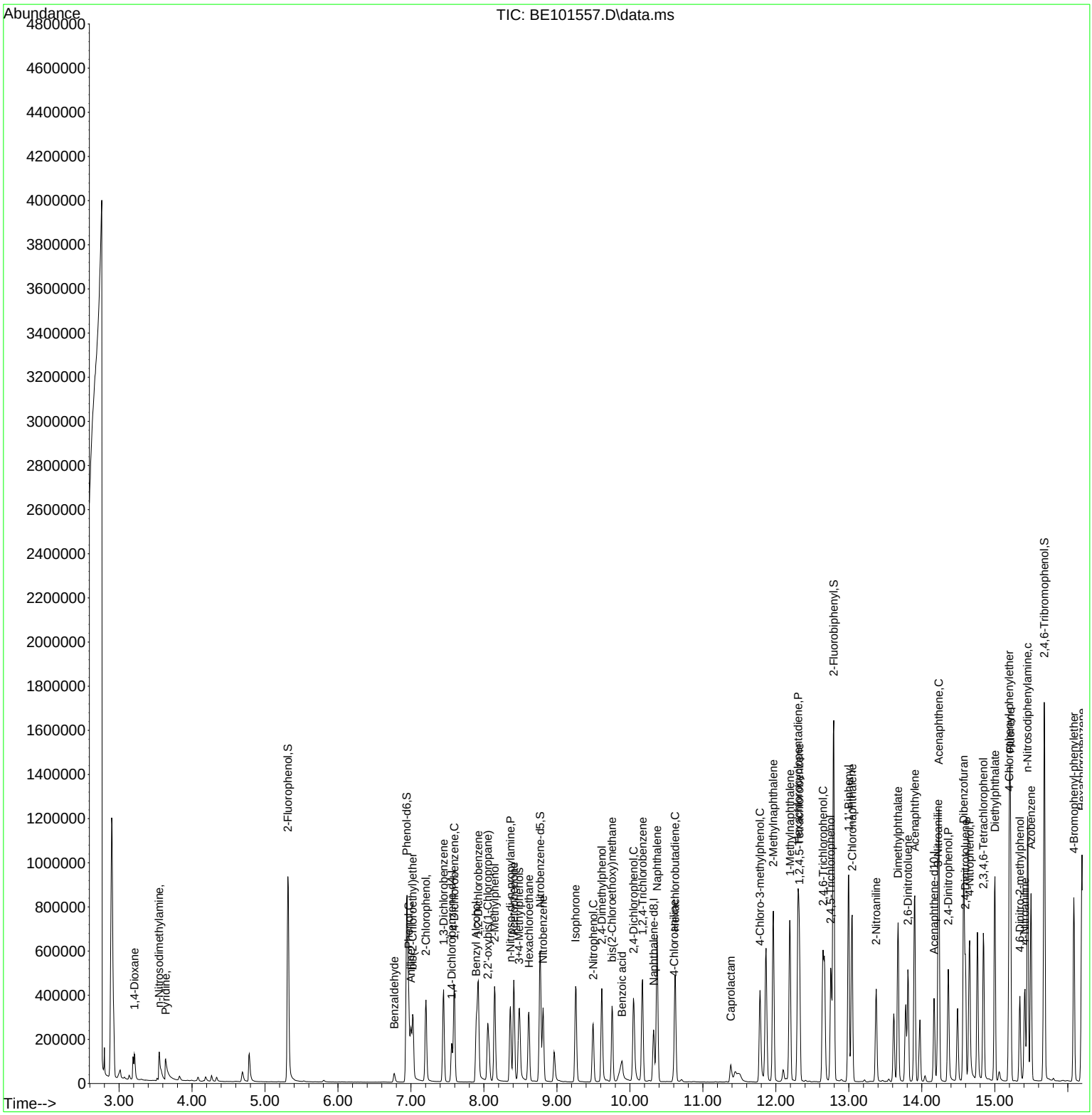
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101557.D
Acq On : 8 Nov 2024 18:07
Operator : RC/JU
Sample : P4739-04MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 23:48:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



Sample Results: **BE101557.D**

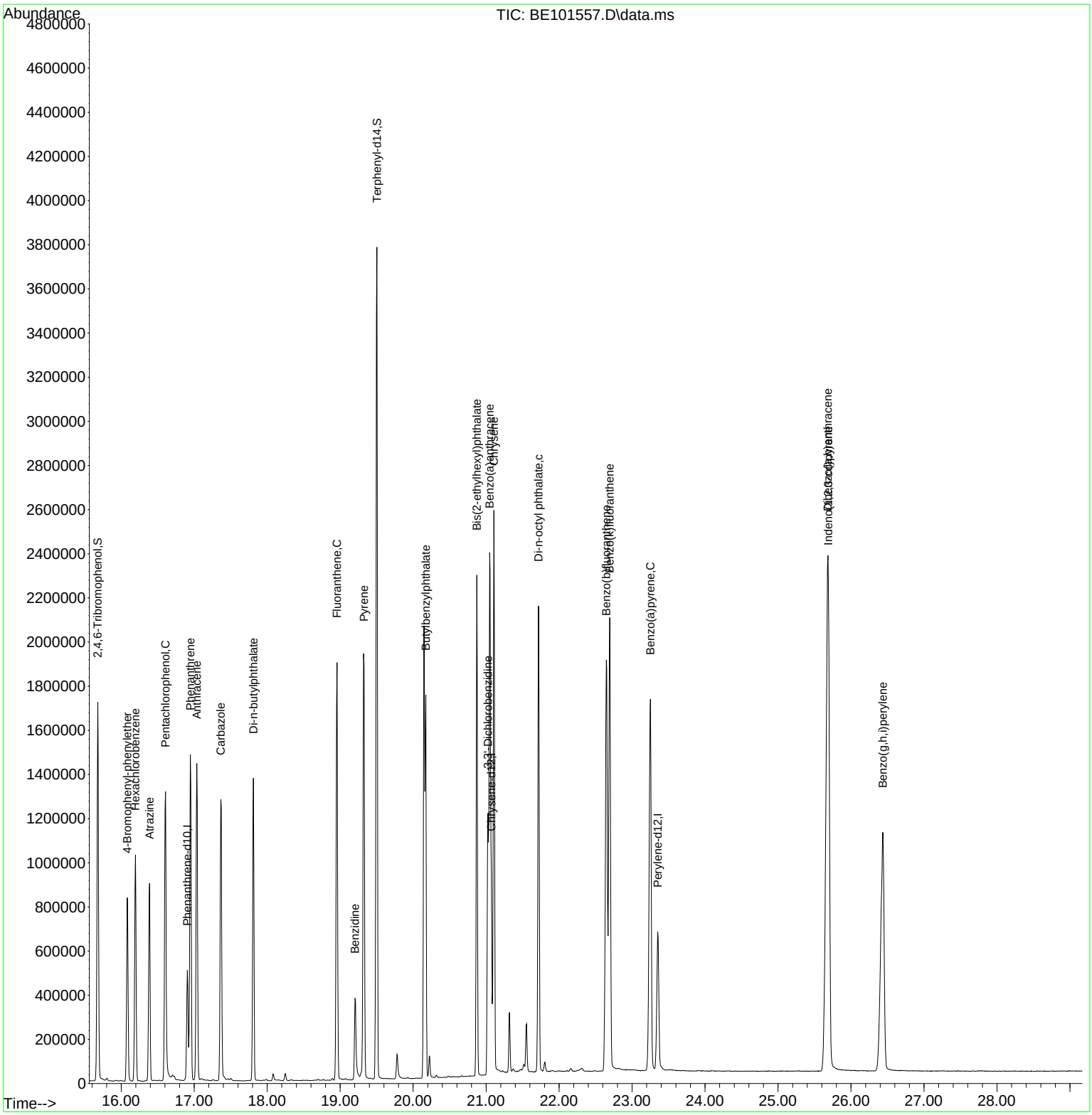
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101557.D
Acq On : 8 Nov 2024 18:07
Operator : RC/JU
Sample : P4739-04MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 08 23:48:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



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:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MSD	SDG No.:	P4722
Lab Sample ID:	P4739-04MSD	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
BE101558.D	1	11/07/24 11:30	11/08/24 18:43	PB164765

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	330		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	510		8.40	50.0	ug/L
95-48-7	2-Methylphenol	550		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	550		11.5	100	ug/L
67-72-1	Hexachloroethane	510		10.1	50.0	ug/L
98-95-3	Nitrobenzene	550		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	510		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	580		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	540		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	1200	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	175		10 - 139	117%	SPK: 150
13127-88-3	Phenol-d6	156		10 - 134	104%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		49 - 133	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	109		52 - 132	109%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168		44 - 137	112%	SPK: 150
1718-51-0	Terphenyl-d14	115		48 - 125	115%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43500	7.558			
1146-65-2	Naphthalene-d8	182000	10.326			
15067-26-2	Acenaphthene-d10	121000	14.168			
1517-22-2	Phenanthrene-d10	285000	16.906			
1719-03-5	Chrysene-d12	362000	21.072			
1520-96-3	Perylene-d12	461000	23.352			

Raw Data: **BE101558.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:	11/06/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/06/24
Client Sample ID:	TP-14MSD	SDG No.:	P4722
Lab Sample ID:	P4739-04MSD	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
BE101558.D	1	11/07/24 11:30	11/08/24 18:43	PB164765

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_E\Data\BE110824\
Data File : BE101558.D
Acq On : 8 Nov 2024 18:43
Operator : RC/JU
Sample : P4739-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 08 23:48:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.558	152	43513	20.000	ng		0.00
21) Naphthalene-d8	10.326	136	182419	20.000	ng		0.00
39) Acenaphthene-d10	14.168	164	120731	20.000	ng		0.00
64) Phenanthrene-d10	16.906	188	285084	20.000	ng		0.00
76) Chrysene-d12	21.072	240	361953	20.000	ng		0.00
86) Perylene-d12	23.352	264	460616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.314	112	431789	175.460	ng		0.00
7) Phenol-d6	6.941	99	525384	155.712	ng		0.00
23) Nitrobenzene-d5	8.769	82	329396	114.058	ng		0.00
42) 2,4,6-Tribromophenol	15.678	330	381819	168.070	ng		0.00
45) 2-Fluorobiphenyl	12.793	172	807756	109.243	ng		0.00
79) Terphenyl-d14	19.503	244	1883502	115.188	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.210	88	47186	51.525	ng	#	86
3) Pyridine	3.634	79	83804	32.721	ng		97
4) n-Nitrosodimethylamine	3.545	42	58524	57.704	ng		94
6) Aniline	7.000	93	118830	46.924	ng		95
8) 2-Chlorophenol	7.206	128	163579	56.106	ng		99
9) Benzaldehyde	6.771	77	13417	8.129	ng		99
10) Phenol	6.965	94	208244	56.700	ng		100
11) bis(2-Chloroethyl)ether	7.024	93	162358m	53.401	ng		
12) 1,3-Dichlorobenzene	7.447	146	159729	50.183	ng		99
13) 1,4-Dichlorobenzene	7.594	146	163569	50.736	ng		98
14) 1,2-Dichlorobenzene	7.923	146	159821	50.502	ng		99
15) Benzyl Alcohol	7.893	79	109117	55.363	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.052	45	197239	54.804	ng		97
17) 2-Methylphenol	8.146	107	130465	54.869	ng		98
18) Hexachloroethane	8.610	117	55226	50.724	ng		97
19) n-Nitroso-di-n-propyla...	8.357	70	114826	51.614	ng		98
20) 3+4-Methylphenols	8.481	107	181414	55.025	ng		98
22) Acetophenone	8.410	105	226147	54.741	ng	#	99
24) Nitrobenzene	8.810	77	164836	54.875	ng		96
25) Isophorone	9.256	82	307350	54.686	ng		98
26) 2-Nitrophenol	9.497	139	91081	56.978	ng		99
27) 2,4-Dimethylphenol	9.615	122	131123	70.891	ng		98
28) bis(2-Chloroethoxy)met...	9.756	93	184706	53.688	ng		99
29) 2,4-Dichlorophenol	10.050	162	154379	58.795	ng		98
30) 1,2,4-Trichlorobenzene	10.173	180	149913	51.144	ng		99
31) Naphthalene	10.373	128	496694	53.934	ng		100
32) Benzoic acid	9.891	122	71239	42.185	ng		99
33) 4-Chloroaniline	10.608	127	31415	9.701	ng		96
34) Hexachlorobutadiene	10.619	225	91507	50.650	ng		98
35) Caprolactam	11.377	113	42496m	44.073	ng		
36) 4-Chloro-3-methylphenol	11.783	107	160083	55.831	ng		99
37) 2-Methylnaphthalene	11.965	142	354486	54.194	ng		99
38) 1-Methylnaphthalene	12.194	142	335487	51.431	ng		100
40) 1,2,4,5-Tetrachloroben...	12.323	216	176384	55.414	ng		99
41) Hexachlorocyclopentadiene	12.300	237	203373	218.946	ng		99
43) 2,4,6-Trichlorophenol	12.646	196	128850	58.943	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101558.D
Acq On : 8 Nov 2024 18:43
Operator : RC/JU
Sample : P4739-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 08 23:48:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	140570	57.720	ng	98
46) 1,1'-Biphenyl	12.993	154	464074	55.725	ng	100
47) 2-Chloronaphthalene	13.040	162	361296	55.005	ng	99
48) 2-Nitroaniline	13.375	65	107948	62.086	ng	97
49) Acenaphthylene	13.898	152	594230	60.708	ng	99
50) Dimethylphthalate	13.675	163	471736	54.871	ng	100
51) 2,6-Dinitrotoluene	13.810	165	105458	53.146	ng	97
52) Acenaphthene	14.233	154	363003	58.115	ng	99
53) 3-Nitroaniline	14.221	138	69474	36.065	ng	98
54) 2,4-Dinitrophenol	14.362	184	126446	108.740	ng	96
55) Dibenzofuran	14.574	168	575378	57.203	ng	99
56) 4-Nitrophenol	14.650	139	212069	133.319	ng	94
57) 2,4-Dinitrotoluene	14.597	165	156064	55.983	ng	97
58) Fluorene	15.214	166	486333	57.936	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.844	232	137013	60.800	ng	99
60) Diethylphthalate	15.003	149	495556	54.667	ng	100
61) 4-Chlorophenyl-phenyle...	15.196	204	233752	54.836	ng	99
62) 4-Nitroaniline	15.414	138	123240	59.380	ng	98
63) Azobenzene	15.496	77	439464	59.424	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	92733	54.798	ng	97
66) n-Nitrosodiphenylamine	15.449	169	431131	56.985	ng	100
67) 4-Bromophenyl-phenylether	16.084	248	167955	53.416	ng	98
68) Hexachlorobenzene	16.195	284	223786	54.079	ng	98
69) Atrazine	16.389	200	163919	73.386	ng	98
70) Pentachlorophenol	16.607	266	280187	124.789	ng	99
71) Phenanthrene	16.947	178	828579	59.758	ng	99
72) Anthracene	17.035	178	852261	62.242	ng	100
73) Carbazole	17.364	167	831608	60.563	ng	100
74) Di-n-butylphthalate	17.811	149	974386	57.461	ng	100
75) Fluoranthene	18.957	202	1084320	60.993	ng	99
77) Benzidine	19.209	184	314471	40.446	ng	99
78) Pyrene	19.327	202	1165998	56.617	ng	100
80) Butylbenzylphthalate	20.173	149	525607	56.791	ng	98
81) Benzo(a)anthracene	21.048	228	1266776	58.929	ng	99
82) 3,3'-Dichlorobenzidine	21.025	252	375992	44.432	ng	99
83) Chrysene	21.107	228	1216349	59.530	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	780612	55.787	ng	99
85) Di-n-octyl phthalate	21.718	149	1370403	57.891	ng	99
87) Indeno(1,2,3-cd)pyrene	25.690	276	1919702	60.647	ng	100
88) Benzo(b)fluoranthene	22.647	252	1451469	57.436	ng	99
89) Benzo(k)fluoranthene	22.694	252	1401038	61.072	ng	100
90) Benzo(a)pyrene	23.252	252	1365269	62.576	ng	99
91) Dibenzo(a,h)anthracene	25.678	278	1597212	60.588	ng	99
92) Benzo(g,h,i)perylene	26.430	276	1429247	53.365	ng	99

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

Sample Results: **BE101558.D**

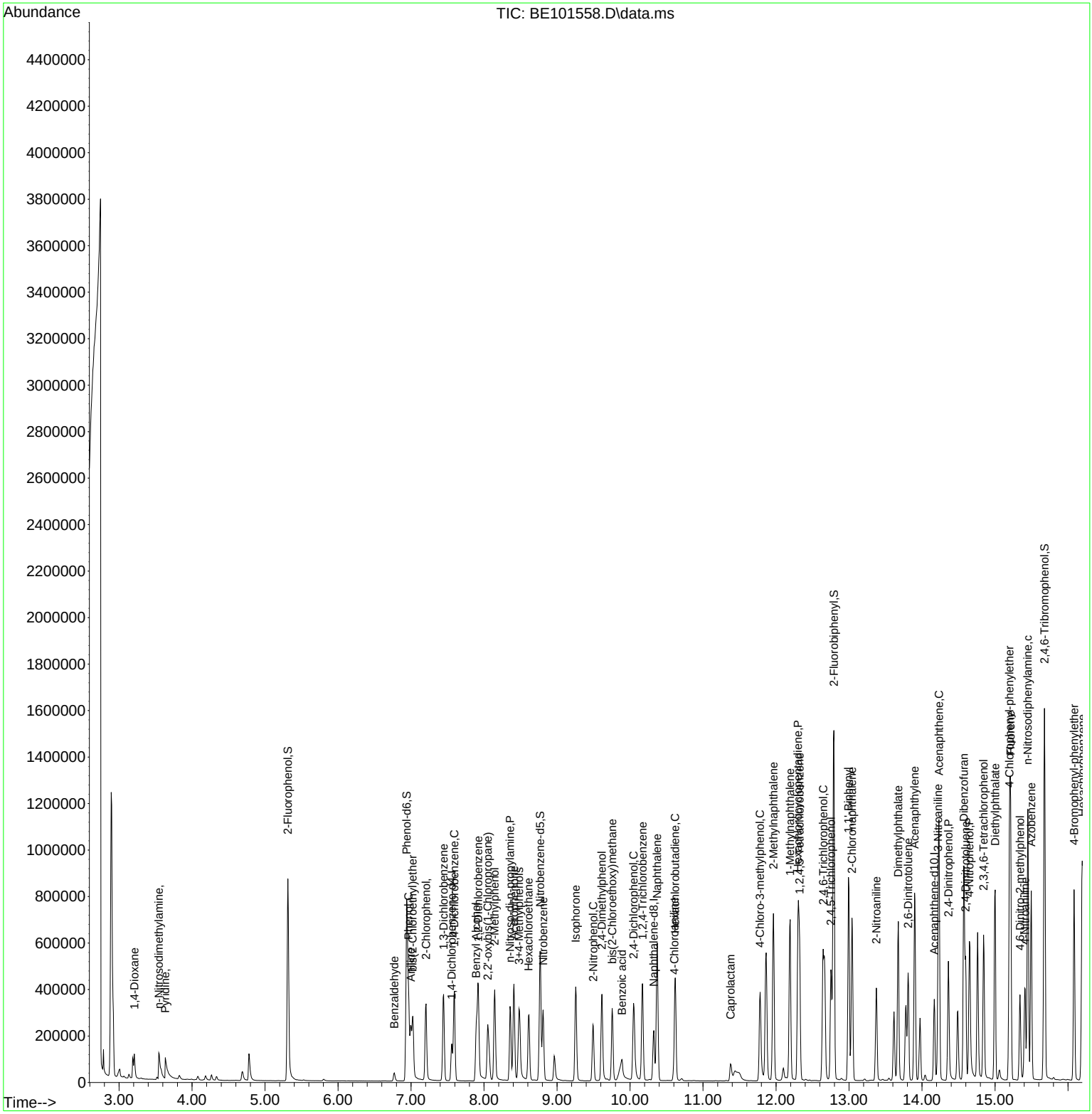
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101558.D
Acq On : 8 Nov 2024 18:43
Operator : RC/JU
Sample : P4739-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 08 23:48:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



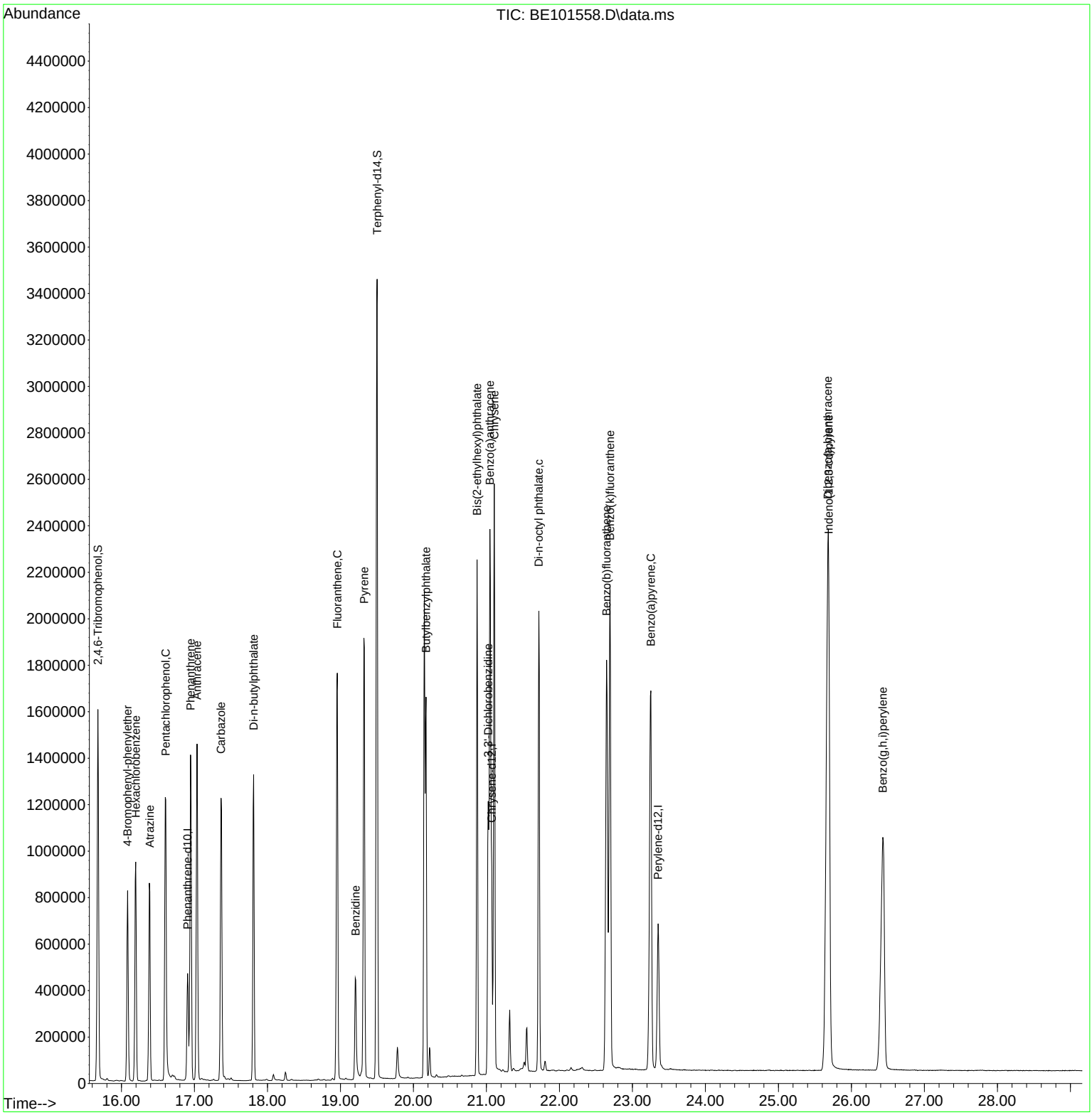
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101558.D
Acq On : 8 Nov 2024 18:43
Operator : RC/JU
Sample : P4739-04MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 08 23:48:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
TP-14MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



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

Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BE101494.D	Aniline	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	Caprolactam	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	n-Nitrosodimethylamine	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC005	BE101494.D	Pyridine	Jagrut	11/7/2024 10:28:40 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	Benzoic acid	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	n-Nitrosodimethylamine	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC010	BE101495.D	Pyridine	Jagrut	11/7/2024 10:28:43 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC020	BE101496.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:45 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC020	BE101496.D	Pyridine	Jagrut	11/7/2024 10:28:45 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICCC040	BE101497.D	Caprolactam	Jagrut	11/7/2024 10:28:48 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICCC040	BE101497.D	Pyridine	Jagrut	11/7/2024 10:28:48 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BE101498.D	Caprolactam	Jagrut	11/7/2024 10:28:50 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC050	BE101498.D	Pyridine	Jagrut	11/7/2024 10:28:50 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC060	BE101499.D	Caprolactam	Jagrut	11/7/2024 10:28:52 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC060	BE101499.D	Pyridine	Jagrut	11/7/2024 10:28:52 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	Caprolactam	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICC080	BE101500.D	Pyridine	Jagrut	11/7/2024 10:28:55 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICV040	BE101501.D	bis(2-Chloroethyl)ether	Jagrut	11/7/2024 10:28:58 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDICV040	BE101501.D	Pyridine	Jagrut	11/7/2024 10:28:58 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDCCC040	BE101504.D	Caprolactam	Jagrut	11/7/2024 10:31:30 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software
SSTDCCC040	BE101504.D	Pyridine	Jagrut	11/7/2024 10:31:30 AM	mohammad	11/8/2024 3:53:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	be110824	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BE101544.D	bis(2-Chloroethyl)ether	yogesh	11/10/2024 11:37:38 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
SSTDCCC040	BE101544.D	Pyridine	yogesh	11/10/2024 11:37:38 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
PB164765BS	BE101546.D	bis(2-Chloroethyl)ether	yogesh	11/10/2024 11:37:41 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
PB164765BS	BE101546.D	Caprolactam	yogesh	11/10/2024 11:37:41 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
P4739-04MS	BE101557.D	Caprolactam	yogesh	11/10/2024 11:37:45 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
P4739-04MSD	BE101558.D	bis(2-Chloroethyl)ether	yogesh	11/10/2024 11:37:48 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software
P4739-04MSD	BE101558.D	Caprolactam	yogesh	11/10/2024 11:37:48 PM	mohammad	11/11/2024 12:24:16 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf110524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF140236.D	Benzoic acid	yogesh	11/6/2024 3:09:10 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software
SSTDICC080	BF140238.D	Aniline	yogesh	11/6/2024 3:09:12 AM	mohammad	11/6/2024 3:16:35 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf110824	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140286.D	Benzoic acid	yogesh	11/10/2024 11:35:51 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software

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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM				
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM				
SubDirectory	BE110624	HP Acquire Method	BNA_E			HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101491.D	6 Nov 2024 11:40	RC/JU	Ok
2	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	RC/JU	Not Ok
3	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51	RC/JU	Ok
4	SSTDICC005	BE101494.D	6 Nov 2024 14:27	RC/JU	Ok,M
5	SSTDICC010	BE101495.D	6 Nov 2024 15:03	RC/JU	Ok,M
6	SSTDICC020	BE101496.D	6 Nov 2024 15:39	RC/JU	Ok,M
7	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	RC/JU	Ok,M
8	SSTDICC050	BE101498.D	6 Nov 2024 16:50	RC/JU	Ok,M
9	SSTDICC060	BE101499.D	6 Nov 2024 17:26	RC/JU	Ok,M
10	SSTDICC080	BE101500.D	6 Nov 2024 18:02	RC/JU	Ok,M
11	SSTDICV040	BE101501.D	6 Nov 2024 18:41	RC/JU	Ok,M
12	PB164561BL	BE101502.D	6 Nov 2024 19:16	RC/JU	Ok
13	DFTPP	BE101503.D	6 Nov 2024 19:52	RC/JU	Ok
14	SSTDCCC040	BE101504.D	6 Nov 2024 20:28	RC/JU	Ok,M
15	PB164560TB	BE101505.D	6 Nov 2024 21:04	RC/JU	Ok
16	PB164561BS	BE101506.D	6 Nov 2024 21:40	RC/JU	Ok,M
17	P4660-11	BE101507.D	6 Nov 2024 22:15	RC/JU	Ok
18	P4667-04	BE101508.D	6 Nov 2024 22:51	RC/JU	Ok
19	P4667-08	BE101509.D	6 Nov 2024 23:27	RC/JU	ReRun
20	P4667-12	BE101510.D	7 Nov 2024 00:03	RC/JU	ReRun
21	P4667-16	BE101511.D	7 Nov 2024 00:39	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM		
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM		
SubDirectory	BE110624	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4659-04	BE101512.D	7 Nov 2024 1:14	RC/JU	Ok
23	P4679-04	BE101513.D	7 Nov 2024 1:50	RC/JU	Ok
24	P4680-04	BE101514.D	7 Nov 2024 2:26	RC/JU	ReRun
25	P4680-08	BE101515.D	7 Nov 2024 3:02	RC/JU	ReRun
26	P4660-07	BE101516.D	7 Nov 2024 3:38	RC/JU	Ok,M
27	P4711-05	BE101517.D	7 Nov 2024 4:13	RC/JU	ReRun
28	P4711-10	BE101518.D	7 Nov 2024 4:49	RC/JU	ReRun
29	P4711-01	BE101519.D	7 Nov 2024 5:25	RC/JU	Ok,M
30	P4711-06	BE101520.D	7 Nov 2024 6:01	RC/JU	Dilution
31	P4708-01	BE101521.D	7 Nov 2024 6:37	RC/JU	Ok,M
32	P4706-01	BE101522.D	7 Nov 2024 7:13	RC/JU	Ok,M

M : Manual Integration

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

Daily Analysis Runlog For Sequence/QCBatch ID # BE110824

Review By	yogesh	Review On	11/10/2024 11:38:05 PM				
Supervise By	mohammad	Supervise On	11/11/2024 12:24:16 AM				
SubDirectory	BE110824	HP Acquire Method	BNA_E			HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101543.D	8 Nov 2024 9:34	RC/JU	Ok
2	SSTDCCC040	BE101544.D	8 Nov 2024 10:07	RC/JU	Ok,M
3	PB164750BL	BE101545.D	8 Nov 2024 10:51	RC/JU	Ok
4	PB164765BS	BE101546.D	8 Nov 2024 11:27	RC/JU	Ok,M
5	PB164694TB	BE101547.D	8 Nov 2024 12:03	RC/JU	Ok
6	P4701-08	BE101548.D	8 Nov 2024 12:45	RC/JU	Ok
7	P4700-04	BE101549.D	8 Nov 2024 13:21	RC/JU	Ok
8	P4694-08	BE101550.D	8 Nov 2024 13:56	RC/JU	Ok
9	P4694-04	BE101551.D	8 Nov 2024 14:32	RC/JU	Ok
10	P4738-02	BE101552.D	8 Nov 2024 15:08	RC/JU	Ok
11	P4739-08	BE101553.D	8 Nov 2024 15:44	RC/JU	Ok
12	P4739-12	BE101554.D	8 Nov 2024 16:20	RC/JU	Ok
13	P4739-16	BE101555.D	8 Nov 2024 16:55	RC/JU	Ok
14	P4739-04	BE101556.D	8 Nov 2024 17:31	RC/JU	Ok
15	P4739-04MS	BE101557.D	8 Nov 2024 18:07	RC/JU	Ok,M
16	P4739-04MSD	BE101558.D	8 Nov 2024 18:43	RC/JU	Ok,M
17	P4732-02	BE101559.D	8 Nov 2024 19:19	RC/JU	Ok
18	P4722-14	BE101560.D	8 Nov 2024 19:54	RC/JU	Ok
19	P4722-09	BE101561.D	8 Nov 2024 20:30	RC/JU	Ok
20	P4722-04	BE101562.D	8 Nov 2024 21:06	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM				
SubDirectory	BF110524	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140230.D	05 Nov 2024 11:56	RC/JU	Ok
2	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26	RC/JU	Ok
3	SSTDICC005	BF140232.D	05 Nov 2024 12:52	RC/JU	Ok
4	SSTDICC010	BF140233.D	05 Nov 2024 13:18	RC/JU	Ok
5	SSTDICC020	BF140234.D	05 Nov 2024 13:45	RC/JU	Ok
6	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	RC/JU	Ok
7	SSTDICC050	BF140236.D	05 Nov 2024 14:37	RC/JU	Ok,M
8	SSTDICC060	BF140237.D	05 Nov 2024 15:03	RC/JU	Ok
9	SSTDICC080	BF140238.D	05 Nov 2024 15:30	RC/JU	Ok,M
10	SSTDICV040	BF140239.D	05 Nov 2024 16:07	RC/JU	Ok
11	PB164366BL	BF140240.D	05 Nov 2024 16:37	RC/JU	Ok
12	P4368-02	BF140241.D	05 Nov 2024 17:03	RC/JU	Ok
13	P4368-02	BF140242.D	05 Nov 2024 17:30	RC/JU	Ok,M
14	P4368-08	BF140243.D	05 Nov 2024 17:56	RC/JU	Ok,M
15	P4368-02	BF140244.D	05 Nov 2024 18:22	RC/JU	Not Ok
16	P4368-08	BF140245.D	05 Nov 2024 18:49	RC/JU	Not Ok
17	P4368-01	BF140246.D	05 Nov 2024 19:15	RC/JU	Ok
18	P4368-01	BF140247.D	05 Nov 2024 19:41	RC/JU	Ok,M
19	P4368-07	BF140248.D	05 Nov 2024 20:07	RC/JU	Ok,M
20	P4368-07	BF140249.D	05 Nov 2024 20:34	RC/JU	Ok,M
21	PB164369BL	BF140250.D	05 Nov 2024 21:00	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM				
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM				
SubDirectory	BF110524	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	SSTDCCC040	BF140251.D	05 Nov 2024 21:26	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM				
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM				
SubDirectory	BF110824	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140285.D	08 Nov 2024 09:09	RC/JU	Ok
2	SSTDCCC040	BF140286.D	08 Nov 2024 09:35	RC/JU	Ok,M
3	PB164765BL	BF140287.D	08 Nov 2024 10:02	RC/JU	Ok
4	PB164750BS	BF140288.D	08 Nov 2024 10:28	RC/JU	Ok,M
5	PB164680BL	BF140289.D	08 Nov 2024 10:55	RC/JU	Ok
6	PB164680BS	BF140290.D	08 Nov 2024 11:22	RC/JU	Ok,M
7	P4732-01	BF140291.D	08 Nov 2024 11:54	RC/JU	Ok
8	P4694-05RE	BF140292.D	08 Nov 2024 12:21	RC/JU	Confirms
9	P4720-01DL	BF140293.D	08 Nov 2024 12:47	RC/JU	Ok
10	P4695-01DL	BF140294.D	08 Nov 2024 13:13	RC/JU	Ok,M
11	P4739-01	BF140295.D	08 Nov 2024 13:40	RC/JU	Ok
12	P4694-01DL	BF140296.D	08 Nov 2024 14:06	RC/JU	Ok,M
13	P4739-05	BF140297.D	08 Nov 2024 14:32	RC/JU	Ok
14	P4739-09	BF140298.D	08 Nov 2024 14:58	RC/JU	Dilution
15	P4737-01	BF140299.D	08 Nov 2024 15:24	RC/JU	Ok
16	P4737-01MS	BF140300.D	08 Nov 2024 15:51	RC/JU	Ok
17	P4737-01MSD	BF140301.D	08 Nov 2024 16:17	RC/JU	Ok
18	P4738-01	BF140302.D	08 Nov 2024 16:43	RC/JU	ReRun
19	P4722-08	BF140303.D	08 Nov 2024 17:10	RC/JU	Dilution
20	P4739-13	BF140304.D	08 Nov 2024 17:36	RC/JU	Ok,M
21	P4722-03	BF140305.D	08 Nov 2024 18:03	RC/JU	Ok,M

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM				
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM				
SubDirectory	BF110824	HP Acquire Method	BNA_F		HP Processing Method	bf110524	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4756-01	BF140306.D	08 Nov 2024 18:29	RC/JU	Ok
23	P4756-01MS	BF140307.D	08 Nov 2024 18:55	RC/JU	Ok
24	P4756-01MSD	BF140308.D	08 Nov 2024 19:22	RC/JU	Ok
25	P4768-01	BF140309.D	08 Nov 2024 19:48	RC/JU	Ok
26	P4768-06	BF140310.D	08 Nov 2024 20:14	RC/JU	Dilution

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM		
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM		
SubDirectory	BE110624	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101491.D	6 Nov 2024 11:40		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BE101494.D	6 Nov 2024 14:27	Compound #32,54 removed from 5ppm	RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BE101495.D	6 Nov 2024 15:03		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BE101496.D	6 Nov 2024 15:39	Compound #32 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	The Calibration is Good For 8270 DOD Except com#77 and will NOT be used for 625.1 Method	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BE101498.D	6 Nov 2024 16:50	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BE101499.D	6 Nov 2024 17:26		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BE101500.D	6 Nov 2024 18:02		RC/JU	Ok,M
11	SSTDICV040	ICVBE110624	BE101501.D	6 Nov 2024 18:41		RC/JU	Ok,M
12	PB164561BL	PB164561BL	BE101502.D	6 Nov 2024 19:16		RC/JU	Ok
13	DFTPP	DFTPP	BE101503.D	6 Nov 2024 19:52		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BE101504.D	6 Nov 2024 20:28		RC/JU	Ok,M
15	PB164560TB	PB164560TB	BE101505.D	6 Nov 2024 21:04		RC/JU	Ok
16	PB164561BS	PB164561BS	BE101506.D	6 Nov 2024 21:40		RC/JU	Ok,M

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

Review By	Jagrut	Review On	11/7/2024 11:03:46 AM		
Supervise By	mohammad	Supervise On	11/8/2024 3:53:54 AM		
SubDirectory	BE110624	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4660-11	WC-CONCRETE-01-C	BE101507.D	6 Nov 2024 22:15		RC/JU	Ok
18	P4667-04	BP-F-6	BE101508.D	6 Nov 2024 22:51		RC/JU	Ok
19	P4667-08	BP-F-5	BE101509.D	6 Nov 2024 23:27	Internal Standard and Surrogate fail	RC/JU	ReRun
20	P4667-12	TP-10	BE101510.D	7 Nov 2024 00:03	Internal Standard Fail	RC/JU	ReRun
21	P4667-16	BP-F-7	BE101511.D	7 Nov 2024 00:39		RC/JU	Ok
22	P4659-04	MH-2	BE101512.D	7 Nov 2024 1:14		RC/JU	Ok
23	P4679-04	MH-1	BE101513.D	7 Nov 2024 1:50		RC/JU	Ok
24	P4680-04	BP-F26	BE101514.D	7 Nov 2024 2:26	Internal Standrad Fail	RC/JU	ReRun
25	P4680-08	BP-F25	BE101515.D	7 Nov 2024 3:02	Internal Standrad Fail	RC/JU	ReRun
26	P4660-07	WC-WOOD-01-C	BE101516.D	7 Nov 2024 3:38		RC/JU	Ok,M
27	P4711-05	CF-613-COMP-16	BE101517.D	7 Nov 2024 4:13	Internal Standrad Fail	RC/JU	ReRun
28	P4711-10	CF-613-COMP-17	BE101518.D	7 Nov 2024 4:49	Internal Standrad Fail	RC/JU	ReRun
29	P4711-01	CF-613-COMP-16	BE101519.D	7 Nov 2024 5:25		RC/JU	Ok,M
30	P4711-06	CF-613-COMP-17	BE101520.D	7 Nov 2024 6:01	Need further 5X Dilution	RC/JU	Dilution
31	P4708-01	OR-02-110424	BE101521.D	7 Nov 2024 6:37		RC/JU	Ok,M
32	P4706-01	TR-04-110424	BE101522.D	7 Nov 2024 7:13		RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110824

Review By	yogesh	Review On	11/10/2024 11:38:05 PM		
Supervise By	mohammad	Supervise On	11/11/2024 12:24:16 AM		
SubDirectory	BE110824	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101543.D	8 Nov 2024 9:34		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101544.D	8 Nov 2024 10:07		RC/JU	Ok,M
3	PB164750BL	PB164750BL	BE101545.D	8 Nov 2024 10:51		RC/JU	Ok
4	PB164765BS	PB164765BS	BE101546.D	8 Nov 2024 11:27		RC/JU	Ok,M
5	PB164694TB	PB164694TB	BE101547.D	8 Nov 2024 12:03		RC/JU	Ok
6	P4701-08	BP-F4	BE101548.D	8 Nov 2024 12:45		RC/JU	Ok
7	P4700-04	MH-8	BE101549.D	8 Nov 2024 13:21		RC/JU	Ok
8	P4694-08	Z-04	BE101550.D	8 Nov 2024 13:56		RC/JU	Ok
9	P4694-04	Z-03A	BE101551.D	8 Nov 2024 14:32		RC/JU	Ok
10	P4738-02	72-12018	BE101552.D	8 Nov 2024 15:08		RC/JU	Ok
11	P4739-08	BP-G2	BE101553.D	8 Nov 2024 15:44		RC/JU	Ok
12	P4739-12	BP-B2	BE101554.D	8 Nov 2024 16:20		RC/JU	Ok
13	P4739-16	TP-11	BE101555.D	8 Nov 2024 16:55		RC/JU	Ok
14	P4739-04	TP-14	BE101556.D	8 Nov 2024 17:31		RC/JU	Ok
15	P4739-04MS	TP-14MS	BE101557.D	8 Nov 2024 18:07		RC/JU	Ok,M
16	P4739-04MSD	TP-14MSD	BE101558.D	8 Nov 2024 18:43		RC/JU	Ok,M
17	P4732-02	PPE-COMP	BE101559.D	8 Nov 2024 19:19		RC/JU	Ok
18	P4722-14	WC-3(0-6)	BE101560.D	8 Nov 2024 19:54		RC/JU	Ok

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110824

Review By	yogesh	Review On	11/10/2024 11:38:05 PM		
Supervise By	mohammad	Supervise On	11/11/2024 12:24:16 AM		
SubDirectory	BE110824	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4722-09	WC-2(0-6)	BE101561.D	8 Nov 2024 20:30		RC/JU	Ok
20	P4722-04	WC-1(0-6)	BE101562.D	8 Nov 2024 21:06		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140230.D	05 Nov 2024 11:56		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140231.D	05 Nov 2024 12:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140232.D	05 Nov 2024 12:52	Compound#32,54,65 Removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140233.D	05 Nov 2024 13:18	Compound#54 Kept on LR	RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140234.D	05 Nov 2024 13:45		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140235.D	05 Nov 2024 14:11	Calibration Good for DOD & 625.1 except for Benzidine	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF140236.D	05 Nov 2024 14:37	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140237.D	05 Nov 2024 15:03		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140238.D	05 Nov 2024 15:30		RC/JU	Ok,M
10	SSTDICV040	ICVBF110524	BF140239.D	05 Nov 2024 16:07		RC/JU	Ok
11	PB164366BL	PB164366BL	BF140240.D	05 Nov 2024 16:37		RC/JU	Ok
12	P4368-02	LOQ-SOIL-02-QT4-202	BF140241.D	05 Nov 2024 17:03	LOQ-SOIL-5 ppm	RC/JU	Ok
13	P4368-02	LOQ-SOIL-02-QT4-202	BF140242.D	05 Nov 2024 17:30	LOQ-SOIL-10 PPM (Used for All compounds except compounds#54,77)	RC/JU	Ok,M
14	P4368-08	LOQ-WATER-02-QT4-2	BF140243.D	05 Nov 2024 17:56	LOQ-Water-5 ppm	RC/JU	Ok,M
15	P4368-02	LOQ-SOIL-02-QT4-202	BF140244.D	05 Nov 2024 18:22	LOQ-SOIL-5 ppm, Already Analyzed	RC/JU	Not Ok
16	P4368-08	LOQ-WATER-02-QT4-2	BF140245.D	05 Nov 2024 18:49	LOQ-Water-10 ppm, Internal Standard Fail	RC/JU	Not Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110524

Review By	yogesh	Review On	11/6/2024 3:09:46 AM		
Supervise By	mohammad	Supervise On	11/6/2024 3:16:35 AM		
SubDirectory	BF110524	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12324,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4368-01	LOD-MDL-SOIL-01-QT	BF140246.D	05 Nov 2024 19:15	LOD-MDL-SOIL- 4 ppm	RC/JU	Ok
18	P4368-01	LOD-MDL-SOIL-01-QT	BF140247.D	05 Nov 2024 19:41	LOD-MDL-SOIL- 8 ppm	RC/JU	Ok,M
19	P4368-07	LOD-MDL-WATER-01-(	BF140248.D	05 Nov 2024 20:07	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
20	P4368-07	LOD-MDL-WATER-01-(	BF140249.D	05 Nov 2024 20:34	LOD-MDL-WATER- 8 ppm	RC/JU	Ok,M
21	PB164369BL	PB164369BL	BF140250.D	05 Nov 2024 21:00		RC/JU	Ok
22	SSTDCCC040	SSTDCCC040EC	BF140251.D	05 Nov 2024 21:26		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM		
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM		
SubDirectory	BF110824	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140285.D	08 Nov 2024 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140286.D	08 Nov 2024 09:35		RC/JU	Ok,M
3	PB164765BL	PB164765BL	BF140287.D	08 Nov 2024 10:02		RC/JU	Ok
4	PB164750BS	PB164750BS	BF140288.D	08 Nov 2024 10:28		RC/JU	Ok,M
5	PB164680BL	PB164680BL	BF140289.D	08 Nov 2024 10:55		RC/JU	Ok
6	PB164680BS	PB164680BS	BF140290.D	08 Nov 2024 11:22		RC/JU	Ok,M
7	P4732-01	PPE-COMP	BF140291.D	08 Nov 2024 11:54	Internal standard fail	RC/JU	Ok
8	P4694-05RE	Z-04RE	BF140292.D	08 Nov 2024 12:21	Internal standard fail	RC/JU	Confirms
9	P4720-01DL	JC-701-COMP-01DL	BF140293.D	08 Nov 2024 12:47		RC/JU	Ok
10	P4695-01DL	Z-01DL	BF140294.D	08 Nov 2024 13:13		RC/JU	Ok,M
11	P4739-01	TP-14	BF140295.D	08 Nov 2024 13:40	Internal standard fail	RC/JU	Ok
12	P4694-01DL	Z-03ADL	BF140296.D	08 Nov 2024 14:06	Internal standard fail	RC/JU	Ok,M
13	P4739-05	BP-G2	BF140297.D	08 Nov 2024 14:32	Internal standard fail	RC/JU	Ok
14	P4739-09	BP-B2	BF140298.D	08 Nov 2024 14:58	Internal Standard Fail, Need 5X Dilution	RC/JU	Dilution
15	P4737-01	TP2	BF140299.D	08 Nov 2024 15:24	Internal standard fail	RC/JU	Ok
16	P4737-01MS	TP2MS	BF140300.D	08 Nov 2024 15:51	Internal standard fail	RC/JU	Ok
17	P4737-01MSD	TP2MSD	BF140301.D	08 Nov 2024 16:17	Internal standard fail	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110824

Review By	yogesh	Review On	11/10/2024 11:36:46 PM		
Supervise By	mohammad	Supervise On	11/11/2024 12:24:00 AM		
SubDirectory	BF110824	HP Acquire Method	BNA_F	HP Processing Method	bf110524

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12326,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4738-01	72-12018	BF140302.D	08 Nov 2024 16:43	Internal standard fail	RC/JU	ReRun
19	P4722-08	WC-2(0-6)	BF140303.D	08 Nov 2024 17:10	Internal standard fail, Need 2X Dilution	RC/JU	Dilution
20	P4739-13	TP-11	BF140304.D	08 Nov 2024 17:36	Internal Standard Fail	RC/JU	Ok,M
21	P4722-03	WC-1(0-6)	BF140305.D	08 Nov 2024 18:03	Internal Standard Fail	RC/JU	Ok,M
22	P4756-01	BP-B4	BF140306.D	08 Nov 2024 18:29	Internal Standard Fail	RC/JU	Ok
23	P4756-01MS	BP-B4MS	BF140307.D	08 Nov 2024 18:55	Internal Standard Fail	RC/JU	Ok
24	P4756-01MSD	BP-B4MSD	BF140308.D	08 Nov 2024 19:22	Internal Standard Fail	RC/JU	Ok
25	P4768-01	B-3-1	BF140309.D	08 Nov 2024 19:48	Internal Standard Fail	RC/JU	Ok
26	P4768-06	B-6-2	BF140310.D	08 Nov 2024 20:14	Internal standard fail, Need 2X Dilution	RC/JU	Dilution

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164694

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

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 : 114771

Start Prep Date : 11/06/2024 **Time :** 16:45

End Prep Date : 11/07/2024 **Time :** 09:35

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 23 °C

TCLP Technician Signature :

Supervisor By : SJ

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	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. p4718-03 is used for MS-MSD. Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/07/24 11:00	SD / Cold Room	/ Metals
	Preparation Group	Analysis Group / GC

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164694

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
P4718-03	WB-307-SB02	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
P4719-03	BAYAVE-STOCKPILE	02	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4720-05	JC-701-COMP-01	03	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-1
P4722-04	WC-1(0-6)	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4722-09	WC-2(0-6)	05	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4722-14	WC-3(0-6)	06	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4732-02	PPE-COMP	07	100.00	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4738-02	72-12018	08	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4739-04	TP-14	09	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4739-08	BP-G2	10	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4739-12	BP-B2	11	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-2
P4739-16	TP-11	12	100.04	2000	N/A	N/A	N/A	8.2	1.5	T-2
PB164694TB	LEB694	13	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4718-03	WB-307-SB02	N/A	N/A	N/A	N/A	100	N/A
P4719-03	BAYAVE-STOCKPILE	N/A	N/A	N/A	N/A	100	N/A
P4720-05	JC-701-COMP-01	N/A	N/A	N/A	N/A	100	N/A
P4722-04	WC-1(0-6)	N/A	N/A	N/A	N/A	100	N/A
P4722-09	WC-2(0-6)	N/A	N/A	N/A	N/A	100	N/A
P4722-14	WC-3(0-6)	N/A	N/A	N/A	N/A	100	N/A
P4732-02	PPE-COMP	N/A	N/A	N/A	N/A	100	N/A
P4738-02	72-12018	N/A	N/A	N/A	N/A	100	N/A
P4739-04	TP-14	N/A	N/A	N/A	N/A	100	N/A
P4739-08	BP-G2	N/A	N/A	N/A	N/A	100	N/A
P4739-12	BP-B2	N/A	N/A	N/A	N/A	100	N/A
P4739-16	TP-11	N/A	N/A	N/A	N/A	100	N/A
PB164694TB	LEB694	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164694

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
P4718-03	WB-307-SB02	5.02	96.5	8.4	3.0	#1	4.94
P4719-03	BAYAVE-STOCKPILE	5.01	96.5	8.4	3.0	#1	4.94
P4720-05	JC-701-COMP-01	5.02	96.5	6.0	2.0	#1	4.94
P4722-04	WC-1(0-6)	5.03	96.5	9.4	4.0	#1	4.94
P4722-09	WC-2(0-6)	5.02	96.5	9.0	3.5	#1	4.94
P4722-14	WC-3(0-6)	5.01	96.5	8.6	3.5	#1	4.94
P4732-02	PPE-COMP	5.00	96.5	8.4	3.0	#1	4.94
P4738-02	72-12018	5.02	96.5	7.0	2.5	#1	4.94
P4739-04	TP-14	5.03	96.5	7.2	2.5	#1	4.94
P4739-08	BP-G2	5.04	96.5	8.0	3.0	#1	4.94
P4739-12	BP-B2	5.02	96.5	7.6	2.5	#1	4.94
P4739-16	TP-11	5.01	96.5	10.0	4.0	#1	4.94
PB164694TB	LEB694	N/A	N/A	N/A	N/A	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp p4719 **WorkList ID :** 185149 **Department :** TCLP Extraction **Date :** 11-06-2024 07:55:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4718-03	WB-307-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L21	11/04/2024	1311
P4719-03	BAYAVE-STOCKPILE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K21	11/05/2024	1311
P4720-05	JC-701-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	K31	11/05/2024	1311
P4722-04	WC-1(0-6)	Solid	TCLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311
P4722-09	WC-2(0-6)	Solid	TCLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311
P4722-14	WC-3(0-6)	Solid	TCLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311
P4732-02	PPE-COMP	Solid	TCLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1311
P4738-02	72-12018	Solid	TCLP Extraction	Cool 4 deg C	FURI01	L11	11/06/2024	1311
P4739-04	TP-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L23	11/06/2024	1311
P4739-08	BP-G2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311
P4739-12	BP-B2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311
P4739-16	TP-11	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L21	11/06/2024	1311

Date/Time 11/06/24 16:10

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 11/06/24 18:00

Raw Sample Received by: SM

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164765

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#: N/A

Extraction By: RJ

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 11/07/2024

Extraction Start Time : 11:30

Extraction End Date : 11/07/2024

Extraction End Time : 16:25

Concentration By: RS

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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3823
Baked Na2SO4	N/A	EP2556
10N NaoH	N/A	EP2550
H2SO4 1:1	N/A	EP2548
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/24	RP (Ext Lab)	RC/SVOC
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164765

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 11/07/2024

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164694TB	PB164694TB	TCLP BNA	100	6	RUPESH	rajesh	1			SEP-01
PB164765BL	PB164765BL	TCLP BNA	1000	6	RUPESH	rajesh	1			2
PB164765BS	PB164765BS	TCLP BNA	1000	6	RUPESH	rajesh	1			3
P4718-03	WB-307-SB02	TCLP BNA	100	6	RUPESH	rajesh	1	A		4
P4719-03	BAYAVE-STOCKPILE	TCLP BNA	100	6	RUPESH	rajesh	1	A		5
P4720-05	JC-701-COMP-01	TCLP BNA	100	6	RUPESH	rajesh	1	A		6
P4722-04	WC-1(0-6)	TCLP BNA	100	6	RUPESH	rajesh	1	A		7
P4722-09	WC-2(0-6)	TCLP BNA	100	6	RUPESH	rajesh	1	A		8
P4722-14	WC-3(0-6)	TCLP BNA	100	6	RUPESH	rajesh	1	A		9
P4732-02	PPE-COMP	TCLP BNA	100	6	RUPESH	rajesh	1	A		10
P4738-02	72-12018	TCLP BNA	100	6	RUPESH	rajesh	1	A		11
P4739-04	TP-14	TCLP BNA	100	6	RUPESH	rajesh	1	A		12
P4739-04MS	TP-14MS	TCLP BNA	100	6	RUPESH	rajesh	1	A		13
P4739-04MSD	TP-14MSD	TCLP BNA	100	6	RUPESH	rajesh	1	A		14
P4739-08	BP-G2	TCLP BNA	100	6	RUPESH	rajesh	1	A		15
P4739-12	BP-B2	TCLP BNA	100	6	RUPESH	rajesh	1	A		16
P4739-16	TP-11	TCLP BNA	100	6	RUPESH	rajesh	1	A		17

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

11/7/24

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164694

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
P4718-03	WB-307-SB02	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
P4719-03	BAYAVE-STOCKPILE	02	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4720-05	JC-701-COMP-01	03	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-1
P4722-04	WC-1(0-6)	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4722-09	WC-2(0-6)	05	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4722-14	WC-3(0-6)	06	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4732-02	PPE-COMP	07	100.00	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4738-02	72-12018	08	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4739-04	TP-14	09	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4739-08	BP-G2	10	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4739-12	BP-B2	11	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-2
P4739-16	TP-11	12	100.04	2000	N/A	N/A	N/A	8.2	1.5	T-2
PB164694TB	LEB694	13	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2

11/07/2025
11:00

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164792

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 114771

Start Prep Date : 11/08/2024 **Time :** 14:00

End Prep Date : 11/09/2024 **Time :** 07:15

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

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

Chemical Used	ML/SAMPLE U	Lot Number
SPLP FLUID	N/A	WP110482
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

TUMBLER T-2 checked,30 rpm. Matrix spikes are added after foftration and before preservation. p4722-15 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/09/24 11:30	JP ICP room	JP / Metals
	Preparation Group	Analysis Group / ICP

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164792

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
P4722-05	WC-1(0-6)	11	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4722-10	WC-2(0-6)	12	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-2
P4722-15	WC-3(0-6)	13	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
PB164792TB	LEB792	14	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4722-05	WC-1(0-6)	N/A	N/A	N/A	N/A	100	N/A
P4722-10	WC-2(0-6)	N/A	N/A	N/A	N/A	100	N/A
P4722-15	WC-3(0-6)	N/A	N/A	N/A	N/A	100	N/A
PB164792TB	LEB792	N/A	N/A	N/A	N/A	N/A	N/A

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB164792

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
P4722-05	WC-1(0-6)	N/A	N/A	N/A	N/A	#1	4.24
P4722-10	WC-2(0-6)	N/A	N/A	N/A	N/A	#1	4.24
P4722-15	WC-3(0-6)	N/A	N/A	N/A	N/A	#1	4.24
PB164792TB	LEB792	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : splp p4722 **WorkList ID :** 185250 **Department :** TCLP Extraction **Date :** 11-08-2024 09:44:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-05	WC-1(0-6)	Solid	SPLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1312
P4722-10	WC-2(0-6)	Solid	SPLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1312
P4722-15	WC-3(0-6)	Solid	SPLP Extraction	Cool 4 deg C	WALS01	L23	11/05/2024	1312

Date/Time 11/08/24 12:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 11/08/24 16:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

QUOTE NO. P4722
COC Number 2046205

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction Company
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION:
PHONE: 201-691-6000 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: C547A Construction of Shafts 17B1-18B1
PROJECT NO.: 220084 LOCATION: Shaft 18B-1
PROJECT MANAGER: Jesse SYLVESTRI
e-mail: JSYLVESTRI@WALSHGROUP.COM
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: JESSE SYLVESTRI PO#:
ADDRESS: 150 CLOVE ROAD, 11th FLOOR
CITY LITTLE FALLS STATE: NJ ZIP: 07424
ATTENTION: Jesse SYLVESTRI PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TCL VOCs + TICs, 8260C
2 TCL SVOCs + 10 TICs, 8270D
3 TAL Metals 6010D/7471B
4 Total Cyanide 9012B Tri+ Hex Chrome 3060A/7196A
5 Pest/Herb/PCB 8081B/8082A
6 SPLP VOCs, SVOCs Metals, Pest/Herb/PCB
7 TCLP SVOCs, Pest/Herb/PCB
8 NJ EPH 10/14 GRO 8015D
9 RCRA Characteristics Ignitability, Corrosivity, Reactivity, Sulfide, Cyanide SW846 Ch 7.3
Specific compounds

PRESERVATIVES

Method Blank

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9
1.	WC-1 (5.5)	S		✓	11/5/24	1155	5	X								
2.	WC-1 (3.5)	S		✓		1225	5	X								
3.	WC-1 (0-6)	S	✓			1240	10		X	X	X	X	X	X	X	X
4.	WC-2 (2)	S		✓		1000	5	X								
5.	WC-2 (4)	S		✓		1020	5	X								
6.	WC-2 (0-6)	S	✓			1045	10		X	X	X	X	X	X	X	X
7.	WC-3 (5)	S		✓		815	5	X								
8.	WC-3 (3)	S		✓		845	5	X								
9.	WC-3 (0-6)	S	✓			910	10		X	X	X	X	X	X	X	X
10.																

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

	DATE/TIME	RECEIVED BY:
1 RELINQUISHED BY SAMPLER:	11/5/24 1:15pm	1. Bernie DE
2 RELINQUISHED BY SAMPLER: Bernie DE	11-5-24 1406	2. 1406 11-5-24
3 RELINQUISHED BY SAMPLER:	11-5-24 17:30	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON-COMPLIANT ☐ COOLER TEMP 3.7 °C

Comments: Additional Analyses: Paint Filter 9095A Total Solids SM2540B Total Volatile Solids SM2540B Ammonia as Nitrogen 350.1 Chemical Oxygen Demand 410.4 0.1 and Grease 9071B Full analytes list in email from Bill Fitchett 11/5/24

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722 WALS01
Client Name : Walsh Construction Compa
Client Contact : Kayla Timony
Invoice Name : Walsh Construction Compa
Invoice Contact : Kayla Timony

Order Date : 11/5/2024 3:33:08 PM
Project Name : NYCDEP C547A - Shafts 1
Receive DateTime : 11/5/2024 5:32:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff : 11/6/2024 11:17:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4722-01	WC-1(5.5)	Solid	11/05/2024	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-06	WC-2(2)	Solid	11/05/2024	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-11	WC-3(5)	Solid	11/05/2024	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-17	WC-1(3.5)	Solid	11/05/2024	12:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-19	WC-2(4)	Solid	11/05/2024	10:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-21	WC-3(3)	Solid	11/05/2024	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 11/6/24 1218

Received By : Roman 12:20
Date / Time : 11/06/24
Storage Area : VOA Refridgerator Room