

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

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 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

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: SHREENA PATEL

Date: 11/18/2024

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
P4722-03	WC-1(0-6)	SOIL	SVOC-TCL BNA -20	8270E	11/05/24	11/07/24	11/08/24	11/05/24
P4722-04	WC-1(0-6)	TCLP	TCLP BNA	8270E	11/05/24	11/07/24	11/08/24	11/05/24
P4722-08	WC-2(0-6)	SOIL	SVOC-TCL BNA -20	8270E	11/05/24	11/07/24	11/08/24	11/05/24
P4722-08DL	WC-2(0-6)DL	SOIL	SVOC-TCL BNA -20	8270E	11/05/24	11/07/24	11/14/24	11/05/24
P4722-09	WC-2(0-6)	TCLP	TCLP BNA	8270E	11/05/24	11/07/24	11/08/24	11/05/24
P4722-13	WC-3(0-6)	SOIL	SVOC-TCL BNA -20	8270E	11/05/24	11/07/24	11/07/24	11/05/24
P4722-14	WC-3(0-6)	TCLP	TCLP BNA	8270E	11/05/24	11/07/24	11/08/24	11/05/24

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 : WC-1(0-6)								
P4722-03	WC-1(0-6)	SOIL	Phenanthrene	910.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Anthracene	230.000	J	180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Fluoranthene	1,600.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Pyrene	1,400.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(a)anthracene	890.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Chrysene	680.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(b)fluoranthene	850.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(k)fluoranthene	430.000		180	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(a)pyrene	830.000		200	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Indeno(1,2,3-cd)pyrene	380.000		170	360	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzo(g,h,i)perylene	450.000		170	360	ug/Kg
Total Svoc :				8,650.00				
P4722-03	WC-1(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene,1a *	490.000	J	0	0	ug/Kg
P4722-03	WC-1(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene *	310.000	J	0	0	ug/Kg
P4722-03	WC-1(0-6)	SOIL	Benzophenone *	150.000	J	0	0	ug/Kg
Total Tics :				950.00				
Total Concentration:				9,600.00				
Client ID : WC-2(0-6)								
P4722-08	WC-2(0-6)	SOIL	Naphthalene	160.000	J	91.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Acenaphthylene	140.000	J	95.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Acenaphthene	250.000		89.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzofuran	150.000	J	93.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluorene	210.000		94.7	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene	2,200.000		93	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Anthracene	600.000		93.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Carbazole	220.000		88.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluoranthene	3,000.000	E	90.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Pyrene	2,300.000		91.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(a)anthracene	1,600.000		89.4	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Chrysene	1,400.000		88	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(b)fluoranthene	2,000.000		89.8	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(k)fluoranthene	620.000		91.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(a)pyrene	1,600.000		100	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Indeno(1,2,3-cd)pyrene	770.000		86.5	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzo(a,h)anthracene	260.000		89.9	190	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo(g,h,i)perylene	930.000		88.7	190	ug/Kg
Total Svoc :				18,410.00				

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
P4722-08	WC-2(0-6)	SOIL	Cyclopenta(def)phenanthrenone	* 180.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Dibenzothiophene	* 130.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Fluoranthene, 2-methyl-	* 140.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Naphthalene, 2-phenyl-	* 180.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Perylene	* 1,000.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene, 2,3-dimethyl-	* 200.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Phenanthrene, 2-methyl-	* 220.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Pyrene, 1-methyl-	* 100.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	unknown12.498	* 160.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	11H-Benzo[a]fluoren-11-one	* 160.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene, 1a	* 640.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	1H-Indene, 2-phenyl-	* 150.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	2-Pentanone, 4-hydroxy-4-methyl	* 110.000	AB	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene	* 590.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	4-Methylcarbazole	* 98.900	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	9H-Fluoren-9-one	* 97.800	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	9H-Fluorene, 1-methyl-	* 99.300	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzo[e]pyrene	* 260.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Benzophenone	* 230.000	J	0	0	ug/Kg
P4722-08	WC-2(0-6)	SOIL	Butane, 2-methoxy-2-methyl-	* 2,700.000	J	0	0	ug/Kg

Total Tics : 7,446.00

Total Concentration: 25,856.00

Client ID : WC-2(0-6)DL

P4722-08DL	WC-2(0-6)DL	SOIL	Acenaphthene	250.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Fluorene	200.000	JD	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Phenanthrene	2,300.000	D	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Anthracene	590.000	D	190	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Carbazole	210.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Fluoranthene	3,000.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Pyrene	2,400.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(a)anthracene	1,600.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Chrysene	1,500.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(b)fluoranthene	2,000.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(k)fluoranthene	620.000	D	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(a)pyrene	1,600.000	D	210	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Indeno(1,2,3-cd)pyrene	800.000	D	170	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Dibenzo(a,h)anthracene	230.000	JD	180	380	ug/Kg
P4722-08DL	WC-2(0-6)DL	SOIL	Benzo(g,h,i)perylene	950.000	D	180	380	ug/Kg

Total Svoc : 18,250.00

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
Total Concentration:				18,250.00				
Client ID : WC-3(0-6)								
P4722-13	WC-3(0-6)	SOIL	Phenanthrene	2,700.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Anthracene	610.000	J	490	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Fluoranthene	4,600.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Pyrene	2,900.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(a)anthracene	2,700.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Chrysene	2,200.000		460	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(b)fluoranthene	3,200.000		470	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(k)fluoranthene	1,100.000		480	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(a)pyrene	2,400.000		540	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Indeno(1,2,3-cd)pyrene	990.000		450	980	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Benzo(g,h,i)perylene	1,000.000		460	980	ug/Kg
Total Svoc :				24,400.00				
P4722-13	WC-3(0-6)	SOIL	11H-Benzo[a]fluorene	* 540.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	1H-Cyclopropa[l]phenanthrene,1a	* 680.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	4H-Cyclopenta[def]phenanthrene	* 970.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Anthracene, 2-methyl-	* 440.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Phenanthrene, 2,5-dimethyl-	* 390.000	J	0	0	ug/Kg
P4722-13	WC-3(0-6)	SOIL	Pyrene, 1-methyl-	* 430.000	J	0	0	ug/Kg
Total Tics :				3,450.00				
Total Concentration:				27,850.00				



QC SUMMARY

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	High
P4722-03	WC-1(0-6)	2-Fluorophenol	150	82.4	55		18	112
		Phenol-d6	150	80.3	54		15	107
		Nitrobenzene-d5	100	55.9	56		18	107
		2-Fluorobiphenyl	100	62.5	62		20	109
		2,4,6-Tribromophenol	150	78.3	52		10	116
		Terphenyl-d14	100	60.2	60		10	105
P4722-08	WC-2(0-6)	2-Fluorophenol	150	99.8	67		18	112
		Phenol-d6	150	97.7	65		15	107
		Nitrobenzene-d5	100	66.5	66		18	107
		2-Fluorobiphenyl	100	71.3	71		20	109
		2,4,6-Tribromophenol	150	91.7	61		10	116
		Terphenyl-d14	100	58.3	58		10	105
P4722-08DL	WC-2(0-6)DL	2-Fluorophenol	150	102	68		18	112
		Phenol-d6	150	97.6	65		15	107
		Nitrobenzene-d5	100	71.4	71		18	107
		2-Fluorobiphenyl	100	81.2	81		20	109
		2,4,6-Tribromophenol	150	77.8	52		10	116
		Terphenyl-d14	100	62.7	63		10	105
P4722-13	WC-3(0-6)	2-Fluorophenol	150	86.4	58		18	112
		Phenol-d6	150	87.1	58		15	107
		Nitrobenzene-d5	100	55.5	56		18	107
		2-Fluorobiphenyl	100	65.8	66		20	109
		2,4,6-Tribromophenol	150	68.8	46		10	116
		Terphenyl-d14	100	46.1	46		10	105
P4737-01MS	TP2MS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	94.5	63		15	107
		Nitrobenzene-d5	100	63.7	64		18	107
		2-Fluorobiphenyl	100	67.6	68		20	109
		2,4,6-Tribromophenol	150	98.0	65		10	116
		Terphenyl-d14	100	57.2	57		10	105
P4737-01MSD	TP2MSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	97.6	65		15	107
		Nitrobenzene-d5	100	65.0	65		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		2,4,6-Tribromophenol	150	100	67		10	116
		Terphenyl-d14	100	59.5	59		10	105
PB164750BL	PB164750BL	2-Fluorophenol	150	169	113	*	18	112
		Phenol-d6	150	154	102		15	107
		Nitrobenzene-d5	100	104	104		18	107
		2-Fluorobiphenyl	100	105	105		20	109
		2,4,6-Tribromophenol	150	153	102		10	116
		Terphenyl-d14	100	105	105		10	105
PB164750BS	PB164750BS	2-Fluorophenol	150	114	76		18	112
		Phenol-d6	150	112	75		15	107
		Nitrobenzene-d5	100	76.4	76		18	107
		2-Fluorobiphenyl	100	75.1	75		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	84.5	84		10	105

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	Low	Limits High	RPD
Lab Sample ID: P4737-01MS		Client Sample ID: TP2MS		DataFile: BF140300.D							
Benzaldehyde	1100	0	220	ug/Kg	20				10	86	
Phenol	1100	0	1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100				54	125	
2-Chlorophenol	1100	0	1200	ug/Kg	109	*			79	107	
2-Methylphenol	1100	0	1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91				65	110	
Acetophenone	1100	0	1100	ug/Kg	100				75	111	
3+4-Methylphenols	1100	0	1100	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				59	119	
Hexachloroethane	1100	0	1000	ug/Kg	91				65	117	
Nitrobenzene	1100	0	1000	ug/Kg	91				70	119	
Isophorone	1100	0	1100	ug/Kg	100				76	122	
2-Nitrophenol	1100	0	1200	ug/Kg	109				54	145	
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127				44	135	
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100				68	112	
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109				72	118	
Naphthalene	1100	0	1100	ug/Kg	100				72	110	
4-Chloroaniline	1100	0	360	ug/Kg	33				10	91	
Hexachlorobutadiene	1100	0	1000	ug/Kg	91				66	114	
Caprolactam	1100	0	1200	ug/Kg	109				51	134	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100	0	1100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				10	175	
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109				72	117	
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109				72	117	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				75	113	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				67	118	
2-Nitroaniline	1100	0	1100	ug/Kg	100				69	127	
Dimethylphthalate	1100	0	1200	ug/Kg	109				70	113	
Acenaphthylene	1100	0	1200	ug/Kg	109				79	118	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70	125	
3-Nitroaniline	1100	0	660	ug/Kg	60				30	99	
Acenaphthene	1100	0	1100	ug/Kg	100				70	121	
2,4-Dinitrophenol	2200	0	1100	ug/Kg	50				10	155	
4-Nitrophenol	2200	0	2400	ug/Kg	109				45	133	
Dibenzofuran	1100	0	1100	ug/Kg	100				72	110	
2,4-Dinitrotoluene	1100	0	1100	ug/Kg	100				55	128	
Diethylphthalate	1100	0	1100	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				71	108	
Fluorene	1100	0	1100	ug/Kg	100				68	116	
4-Nitroaniline	1100	0	950	ug/Kg	86				55	120	
4,6-Dinitro-2-methylphenol	1100	0	710	ug/Kg	65				10	160	
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118				73	118	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				65	121	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				67	118	
Atrazine	1100	0	1600	ug/Kg	145	*			79	127	

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	Low	Limits High	RPD
Pentachlorophenol	2200	0	2300	ug/Kg	105				47	128	
Phenanthrene	1100	0	1200	ug/Kg	109				52	128	
Anthracene	1100	0	1200	ug/Kg	109				62	124	
Carbazole	1100	0	1200	ug/Kg	109				59	119	
Di-n-butylphthalate	1100	0	1200	ug/Kg	109				69	118	
Fluoranthene	1100	0	1100	ug/Kg	100				44	125	
Pyrene	1100	0	990	ug/Kg	90				26	142	
Butylbenzylphthalate	1100	0	1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100				33	116	
Benzo(a)anthracene	1100	0	1200	ug/Kg	109				71	114	
Chrysene	1100	0	1200	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91				42	169	
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1100	0	1300	ug/Kg	118				67	121	
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109				57	134	
Benzo(a)pyrene	1100	0	1300	ug/Kg	118				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1100	0	1000	ug/Kg	91				43	123	
Benzo(g,h,i)perylene	1100	0	950	ug/Kg	86				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109				69	124	
1,4-Dioxane	1100	0	1000	ug/Kg	91				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109				69	112	

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	Low	Limits High	RPD
Lab Sample ID:	P4737-01MSD	Client Sample ID:	TP2MSD					DataFile:	BF140301.D		
Benzaldehyde	1100	0	230	ug/Kg	21		5		10	86	20
Phenol	1100	0	1200	ug/Kg	109		9		67	126	20
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		0		54	125	20
2-Chlorophenol	1100	0	1200	ug/Kg	109	*	0		79	107	20
2-Methylphenol	1100	0	1200	ug/Kg	109		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100	0	1100	ug/Kg	100		9		65	110	20
Acetophenone	1100	0	1100	ug/Kg	100		0		75	111	20
3+4-Methylphenols	1100	0	1200	ug/Kg	109	*	9		66	104	20
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		59	119	20
Hexachloroethane	1100	0	1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100	0	1100	ug/Kg	100		9		70	119	20
Isophorone	1100	0	1100	ug/Kg	100		0		76	122	20
2-Nitrophenol	1100	0	1200	ug/Kg	109		0		54	145	20
2,4-Dimethylphenol	1100	0	1400	ug/Kg	127		0		44	135	20
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		0		72	118	20
Naphthalene	1100	0	1100	ug/Kg	100		0		72	110	20
4-Chloroaniline	1100	0	390	ug/Kg	35		6		10	91	20
Hexachlorobutadiene	1100	0	1100	ug/Kg	100		9		66	114	20
Caprolactam	1100	0	1100	ug/Kg	100		9		51	134	20
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		0		59	123	20
Hexachlorocyclopentadiene	2200	0	1500	ug/Kg	68		6		10	175	20
2,4,6-Trichlorophenol	1100	0	1300	ug/Kg	118	*	8		72	117	20
2,4,5-Trichlorophenol	1100	0	1200	ug/Kg	109		0		72	117	20
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		75	113	20
2-Chloronaphthalene	1100	0	1100	ug/Kg	100		0		67	118	20
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		69	127	20
Dimethylphthalate	1100	0	1200	ug/Kg	109		0		70	113	20
Acenaphthylene	1100	0	1200	ug/Kg	109		0		79	118	20
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100	0	670	ug/Kg	61		2		30	99	20
Acenaphthene	1100	0	1200	ug/Kg	109		9		70	121	20
2,4-Dinitrophenol	2200	0	1100	ug/Kg	50		0		10	155	20
4-Nitrophenol	2200	0	2500	ug/Kg	114		4		45	133	20
Dibenzofuran	1100	0	1200	ug/Kg	109		9		72	110	20
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		55	128	20
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70	112	20
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100		0		71	108	20
Fluorene	1100	0	1100	ug/Kg	100		0		68	116	20
4-Nitroaniline	1100	0	970	ug/Kg	88		2		55	120	20
4,6-Dinitro-2-methylphenol	1100	0	800	ug/Kg	73		12		10	160	20
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		0		73	118	20
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		65	121	20
Hexachlorobenzene	1100	0	1200	ug/Kg	109		0		67	118	20
Atrazine	1100	0	1600	ug/Kg	145	*	0		79	127	20

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	Low	Limits High	RPD
Pentachlorophenol	2200	0	2400	ug/Kg	109		4		47	128	20
Phenanthrene	1100	0	1200	ug/Kg	109		0		52	128	20
Anthracene	1100	0	1200	ug/Kg	109		0		62	124	20
Carbazole	1100	0	1200	ug/Kg	109		0		59	119	20
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		0		69	118	20
Fluoranthene	1100	0	1200	ug/Kg	109		9		44	125	20
Pyrene	1100	0	1000	ug/Kg	91		1		26	142	20
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100	0	1200	ug/Kg	109		9		33	116	20
Benzo(a)anthracene	1100	0	1200	ug/Kg	109		0		71	114	20
Chrysene	1100	0	1200	ug/Kg	109		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91		0		42	169	20
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100		0		23	175	20
Benzo(b)fluoranthene	1100	0	1400	ug/Kg	127	*	7		67	121	20
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		0		57	134	20
Benzo(a)pyrene	1100	0	1300	ug/Kg	118		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100		9		43	123	20
Benzo(g,h,i)perylene	1100	0	980	ug/Kg	89		3		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		0		69	124	20
1,4-Dioxane	1100	0	1100	ug/Kg	100		9		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	1200	ug/Kg	109		0		69	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

DataFile: BF140288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164750BS	Benzaldehyde	1700	240	ug/Kg	14				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1300	ug/Kg	76				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1200	ug/Kg	71				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	1300	ug/Kg	76				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1300	ug/Kg	76				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	5500	ug/Kg	167		*		45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1400	ug/Kg	82				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113	
	N-Nitrosodiphenylamine	1700	1300	ug/Kg	76				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

DataFile: BF140288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164750BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				47	152		
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1400	ug/Kg	82				61	105		
	Carbazole	1700	1400	ug/Kg	82				61	99		
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Pyrene	1700	1400	ug/Kg	82				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103		
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102		
	Chrysene	1700	1400	ug/Kg	82				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112		
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101		
	1,4-Dioxane	1700	1000	ug/Kg	59				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164750BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab File ID: BE101545.D

Lab Sample ID: PB164750BL

Instrument ID: BNA_E

Date Extracted: 11/07/2024

Matrix: (soil/water) SOIL

Date Analyzed: 11/08/2024

Level: (low/med) LOW

Time Analyzed: 10:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3 (0-6)	P4722-13	BF140280.D	11/07/2024
TP2MS	P4737-01MS	BF140300.D	11/08/2024
TP2MSD	P4737-01MSD	BF140301.D	11/08/2024
WC-2 (0-6)	P4722-08	BF140303.D	11/08/2024
WC-1 (0-6)	P4722-03	BF140305.D	11/08/2024
PB164750BS	PB164750BS	BF140288.D	11/08/2024

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BE101491.DDFTPP Injection Date: 11/06/2024Instrument ID: BNA_EDFTPP 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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BE101543.DDFTPP Injection Date: 11/08/2024Instrument ID: BNA_EDFTPP 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
PB164750BL	PB164750BL	BE101545.D	11/08/2024	10:51



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BF140230.DDFTPP Injection Date: 11/05/2024Instrument ID: BNA_FDFTPP 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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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BF140260.DDFTPP Injection Date: 11/07/2024Instrument ID: BNA_FDFTPP Injection Time: 08:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.9
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	98.8
443	15.0 - 24.0% of mass 442	19.4 (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
SSTDCCC040	SSTDCCC040	BF140261.D	11/07/2024	08:59
WC-3(0-6)	P4722-13	BF140280.D	11/07/2024	17:32



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BF140285.DDFTPP Injection Date: 11/08/2024Instrument ID: BNA_FDFTPP 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
PB164750BS	PB164750BS	BF140288.D	11/08/2024	10:28
TP2MS	P4737-01MS	BF140300.D	11/08/2024	15:51
TP2MSD	P4737-01MSD	BF140301.D	11/08/2024	16:17
WC-2 (0-6)	P4722-08	BF140303.D	11/08/2024	17:10
WC-1 (0-6)	P4722-03	BF140305.D	11/08/2024	18:03



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BF140331.DDFTPP Injection Date: 11/13/2024Instrument ID: BNA_FDFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	88.6
443	15.0 - 24.0% of mass 442	16.7 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: P4722 SDG NO.: P4722Lab File ID: BF140365.DDFTPP Injection Date: 11/14/2024Instrument ID: BNA_FDFTPP Injection Time: 16:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	39.7
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.8
442	Greater than 50% of mass 198	82.7
443	15.0 - 24.0% of mass 442	15.3 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140366.D	11/14/2024	17:02
WC-2 (0-6) DL	P4722-08DL	BF140377.D	11/14/2024	21:54

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 PB164750BL	34636	7.56	145179	10.33	93474	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.

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 PB164750BL	229842	16.91	301745	21.07	434243	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.

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: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	194677	6.881	715714	8.16	419359	9.92
UPPER LIMIT	389354	7.381	1431430	8.663	838718	10.422
LOWER LIMIT	97338.5	6.381	357857	7.663	209680	9.422
EPA SAMPLE NO.						
01 WC-3 (0-6)	116141	6.88	437848	8.16	226170	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.

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: 11/07/2024

Lab File ID: BF140261.D Time Analyzed: 08:59

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	752975	11.41	445081	14.069	403199	15.574
UPPER LIMIT	1505950	11.91	890162	14.569	806398	16.074
LOWER LIMIT	376488	10.91	222541	13.569	201600	15.074
EPA SAMPLE NO.						
01 WC-3 (0-6)	319073 *	11.40	257317	14.05	207144	15.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

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 PB164750BS	195639	6.88	765547	8.16	473510	9.92
02 WC-1 (0-6)	116360	6.88	402526	8.16	201087 *	9.92
03 WC-2 (0-6)	115521	6.88	425723	8.16	222785 *	9.92
04 TP2MS	122176	6.88	451887	8.16	246982	9.92
05 TP2MSD	119710	6.88	448822	8.16	245092	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.

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 PB164750BS	882492	11.41	554441	14.06	455207	15.56
02 WC-1 (0-6)	343480 *	11.40	223839 *	14.06	183726 *	15.56
03 WC-2 (0-6)	343931 *	11.40	256443 *	14.07	206534 *	15.58
04 TP2MS	380764 *	11.41	270987 *	14.06	205942 *	15.56
05 TP2MSD	382682 *	11.41	271857 *	14.06	209874 *	15.57

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.

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: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	130579	6.875	484942	8.16	265027	9.91
UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
EPA SAMPLE NO.						
01 WC-2 (0-6) DL	137496	6.88	500452	8.16	231647	9.91

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

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: 11/14/2024

Lab File ID: BF140366.D Time Analyzed: 17:02

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	494420	11.398	287889	14.062	258896	15.592
UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
EPA SAMPLE NO.						
01 WC-2(0-6)DL	343646	11.40	249695	14.05	178555	15.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



SAMPLE DATA

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:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	390	U	390	700	ug/Kg
108-95-2	Phenol	180	U	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	U	180	360	ug/Kg
95-48-7	2-Methylphenol	170	U	170	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	190	360	ug/Kg
98-86-2	Acetophenone	190	U	190	360	ug/Kg
65794-96-9	3+4-Methylphenols	170	U	170	700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.9	U	85.9	170	ug/Kg
67-72-1	Hexachloroethane	180	U	180	360	ug/Kg
98-95-3	Nitrobenzene	190	U	190	360	ug/Kg
78-59-1	Isophorone	180	U	180	360	ug/Kg
88-75-5	2-Nitrophenol	200	U	200	360	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	200	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	360	ug/Kg
91-20-3	Naphthalene	180	U	180	360	ug/Kg
106-47-8	4-Chloroaniline	180	U	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	180	360	ug/Kg
105-60-2	Caprolactam	180	U	180	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	360	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	UQ	330	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	U	160	360	ug/Kg
92-52-4	1,1-Biphenyl	190	U	190	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	180	360	ug/Kg
88-74-4	2-Nitroaniline	200	U	200	360	ug/Kg
131-11-3	Dimethylphthalate	170	U	170	360	ug/Kg

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:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	U	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	360	ug/Kg
99-09-2	3-Nitroaniline	190	U	190	360	ug/Kg
83-32-9	Acenaphthene	170	U	170	360	ug/Kg
51-28-5	2,4-Dinitrophenol	520	U	520	700	ug/Kg
100-02-7	4-Nitrophenol	250	U	250	700	ug/Kg
132-64-9	Dibenzofuran	180	U	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	180	360	ug/Kg
84-66-2	Diethylphthalate	170	U	170	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	360	ug/Kg
86-73-7	Fluorene	180	U	180	360	ug/Kg
100-01-6	4-Nitroaniline	230	U	230	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	250	U	250	700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	170	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	170	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	180	360	ug/Kg
1912-24-9	Atrazine	190	U	190	360	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	700	ug/Kg
85-01-8	Phenanthrene	910		180	360	ug/Kg
120-12-7	Anthracene	230	J	180	360	ug/Kg
86-74-8	Carbazole	170	U	170	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	180	360	ug/Kg
206-44-0	Fluoranthene	1600		170	360	ug/Kg
129-00-0	Pyrene	1400		180	360	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	210	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	U	210	700	ug/Kg
56-55-3	Benzo(a)anthracene	890		170	360	ug/Kg
218-01-9	Chrysene	680		170	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	360	ug/Kg
117-84-0	Di-n-octyl phthalate	230	U	230	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	850		170	360	ug/Kg

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:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	430		180	360	ug/Kg
50-32-8	Benzo(a)pyrene	830		200	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	380		170	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	170	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	450		170	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	360	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	360	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	82.4		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.3		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.9		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.5		20 - 109	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	78.3		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	60.2		10 - 105	60%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875
1146-65-2	Naphthalene-d8	403000	8.157
15067-26-2	Acenaphthene-d10	201000	9.916
1517-22-2	Phenanthrene-d10	343000	11.404
1719-03-5	Chrysene-d12	224000	14.057
1520-96-3	Perylene-d12	184000	15.563

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	150	J	10.6	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	490	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	310	J	12.0	ug/Kg

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:	P4722-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140305.D	2	11/07/24 09:20	11/08/24 18:03	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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 : BF140305.D
 Acq On : 08 Nov 2024 18:03
 Operator : RC/JU
 Sample : P4722-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 21:47:33 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	116360	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	402526	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	201087	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	343480	20.000	ng	0.00
76) Chrysene-d12	14.057	240	223839	20.000	ng	0.00
86) Perylene-d12	15.563	264	183726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	289261	41.197	ng	0.00
7) Phenol-d6	6.498	99	362607	40.150	ng	0.00
23) Nitrobenzene-d5	7.434	82	226133	27.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	77806	39.145	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	393305	31.232	ng	0.00
79) Terphenyl-d14	12.992	244	411258	30.097	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	209980	12.810	ng	98
72) Anthracene	11.480	178	52309	3.254	ng	98
75) Fluoranthene	12.622	202	377812	22.043	ng	99
78) Pyrene	12.851	202	365243	19.762	ng	98
81) Benzo(a)anthracene	14.051	228	179631	12.505	ng	97
83) Chrysene	14.086	228	128225	9.532	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	57877	5.367	ng	# 95
88) Benzo(b)fluoranthene	15.127	252	132559m	11.928	ng	
89) Benzo(k)fluoranthene	15.139	252	62336m	6.113	ng	
90) Benzo(a)pyrene	15.498	252	107049	11.683	ng	# 94
92) Benzo(g,h,i)perylene	17.533	276	57209	6.321	ng	96

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

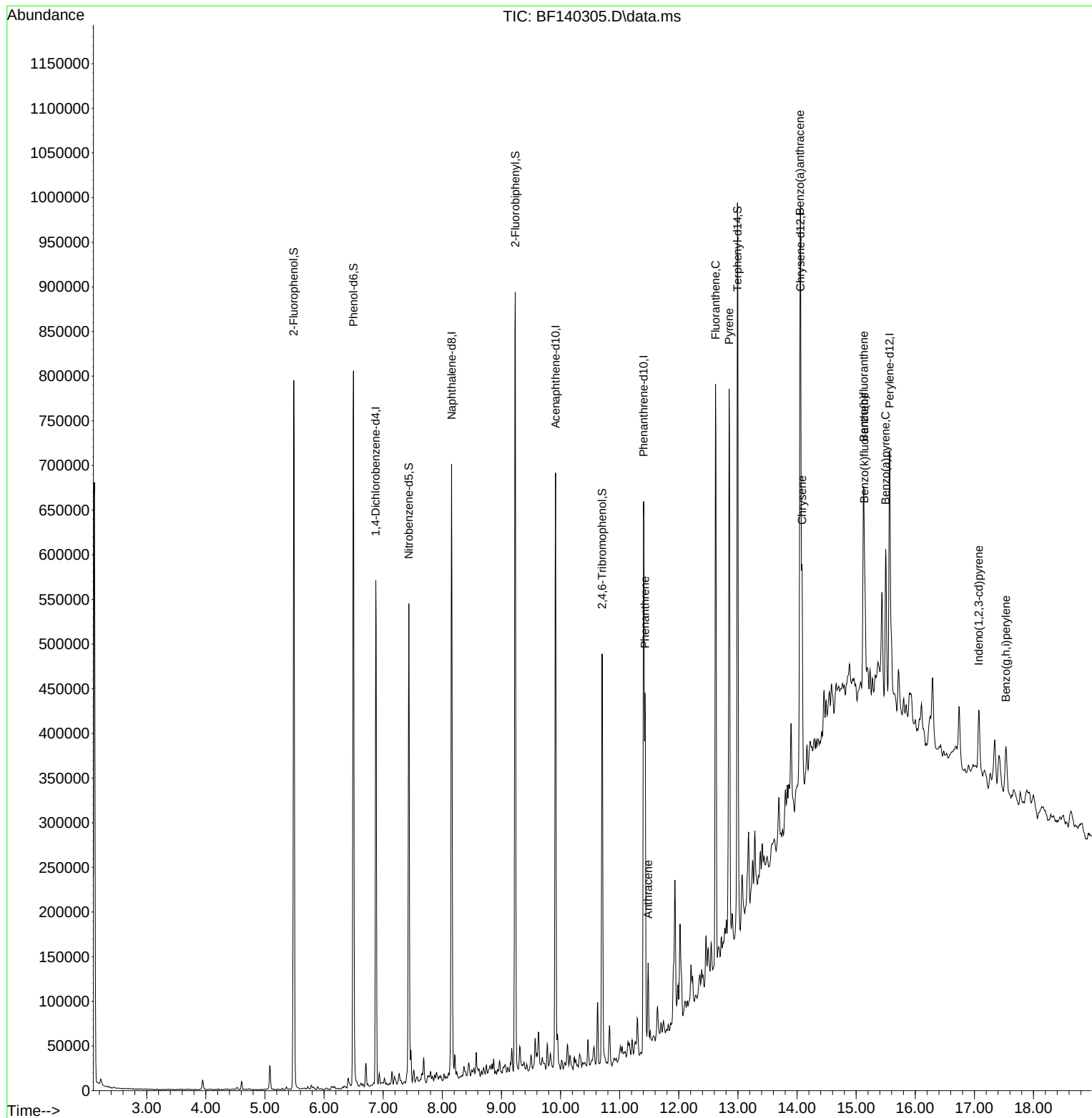
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Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

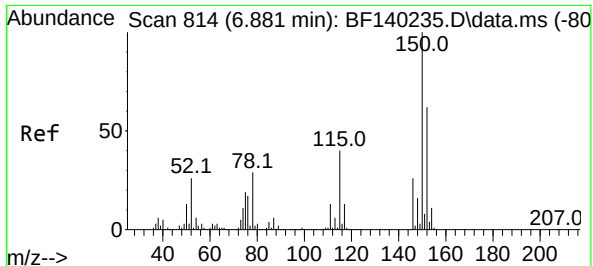
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)

Manual Integrations
APPROVED

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

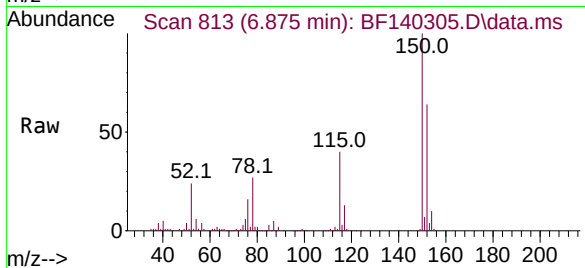
Quant Time: Nov 08 21:47:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

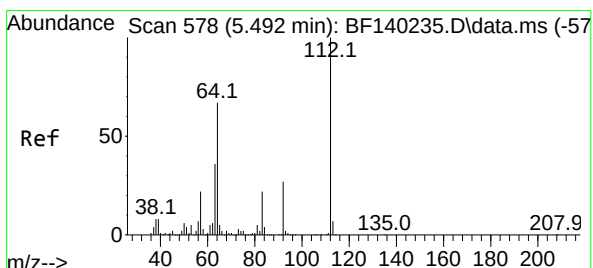
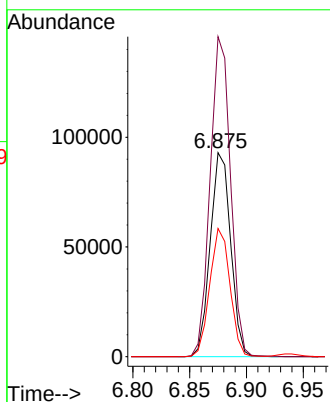
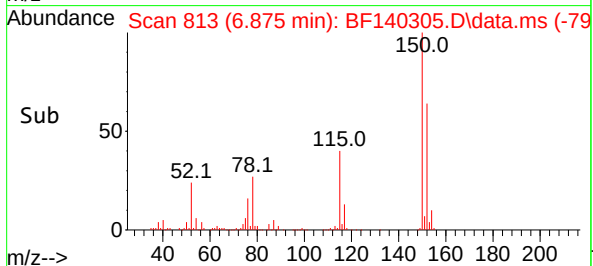
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:152 Resp: 116360
Ion Ratio Lower Upper
152 100
150 156.9 129.4 194.2
115 62.8 51.5 77.3

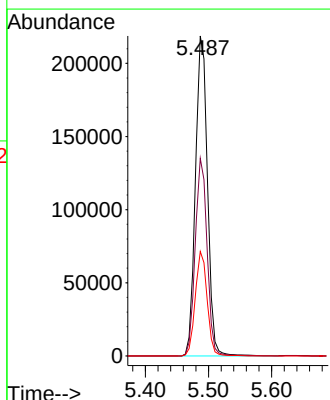
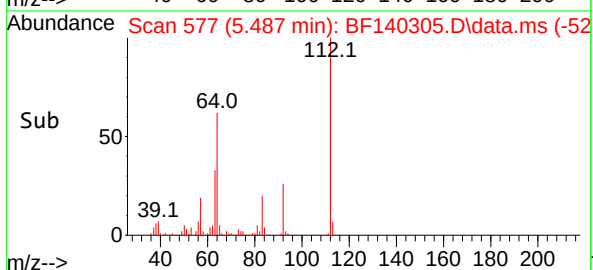
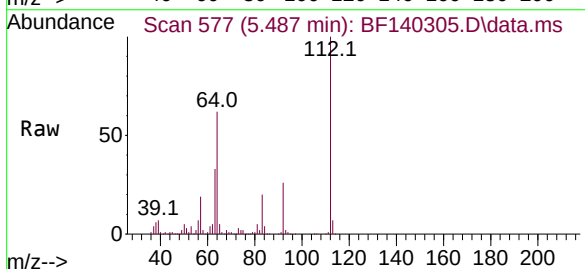
Manual Integrations
APPROVED

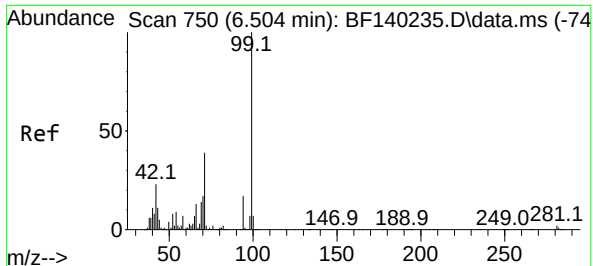
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 41.197 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:112 Resp: 289261
Ion Ratio Lower Upper
112 100
64 61.7 53.4 80.2
63 32.7 28.9 43.3





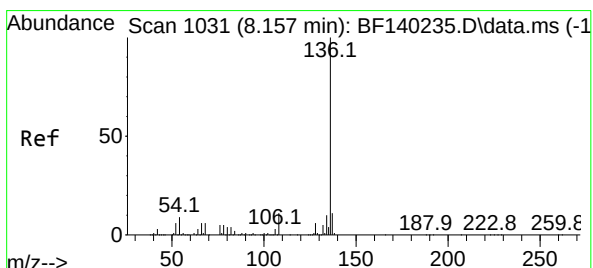
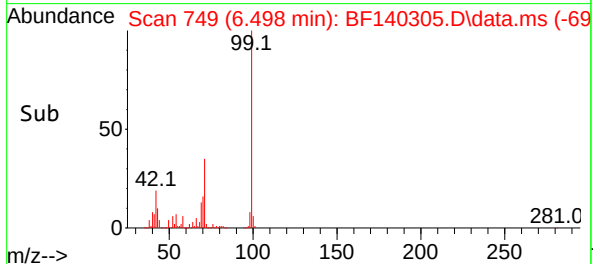
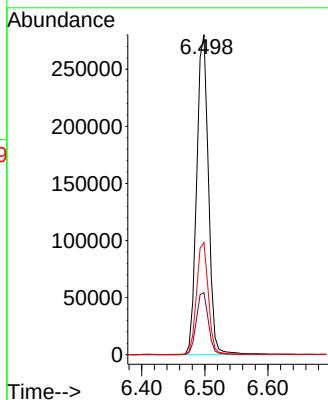
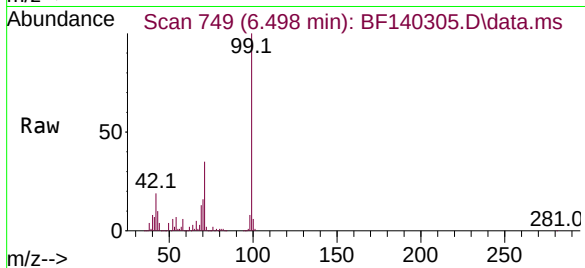
#7
Phenol-d6
Concen: 40.150 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

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

Tgt Ion: 99 Resp: 36260
Ion Ratio Lower Upper
99 100
42 19.4 18.2 27.2
71 35.0 30.9 46.3

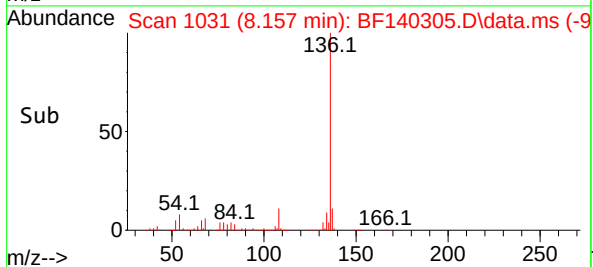
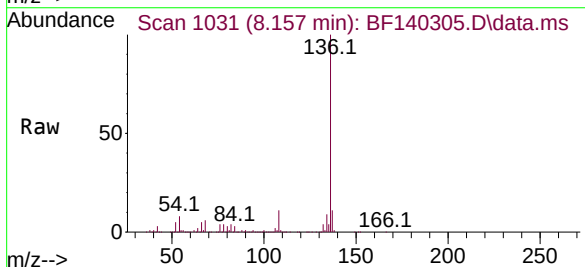
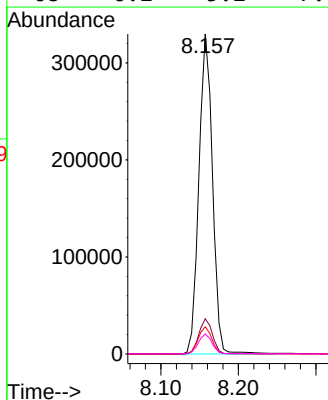
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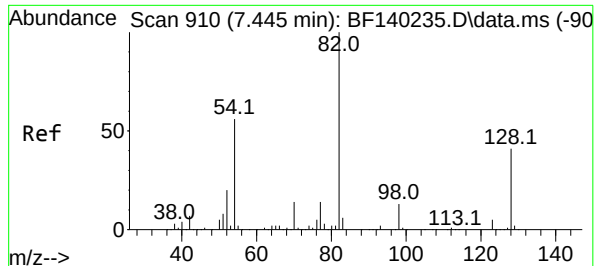
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:136 Resp: 402526
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.5 7.7 11.5
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 27.931 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

Tgt Ion: 82 Resp: 22613

Ion Ratio Lower Upper

82 100

128 41.6 32.8 49.2

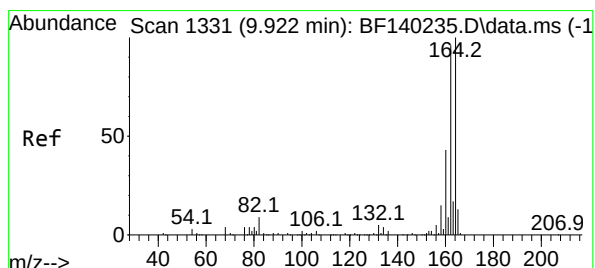
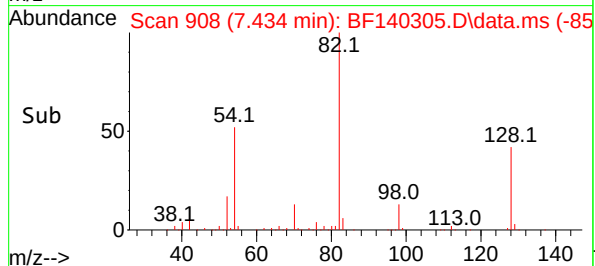
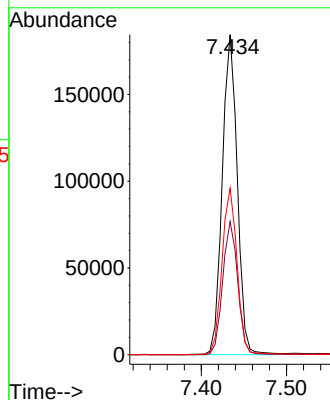
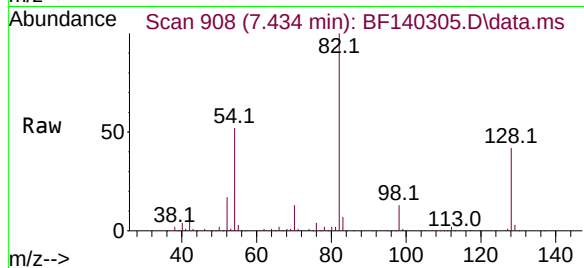
54 52.0 44.3 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

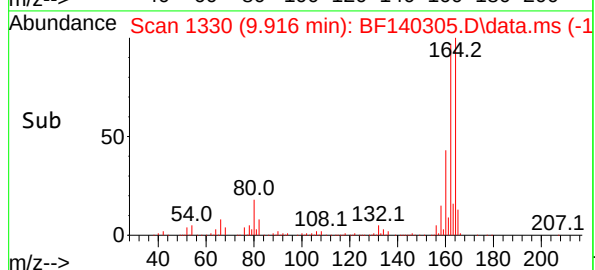
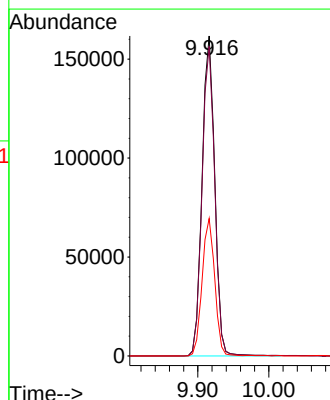
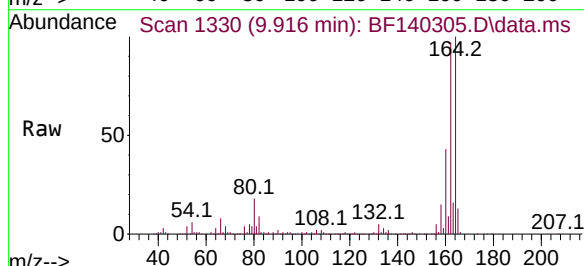
Tgt Ion:164 Resp: 201087

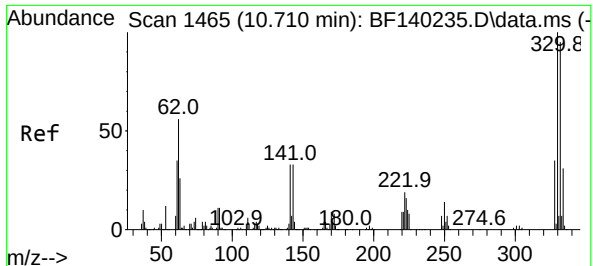
Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.4

160 43.0 34.1 51.1





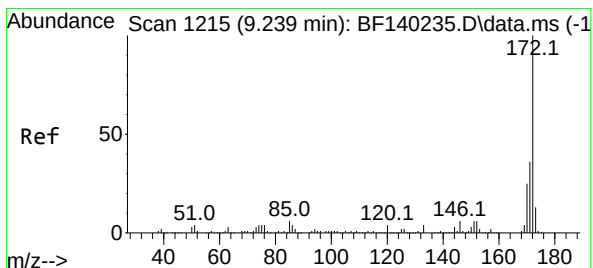
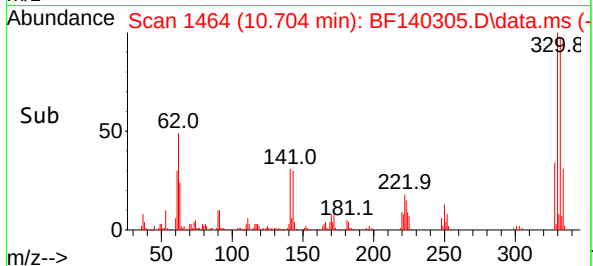
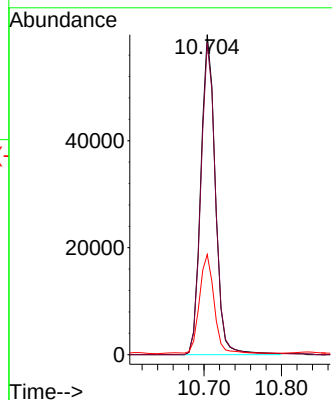
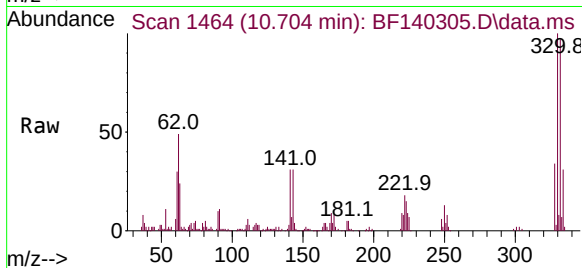
#42
2,4,6-Tribromophenol
Concen: 39.145 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

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

Tgt Ion:330 Resp: 77800
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 31.7 27.0 40.4

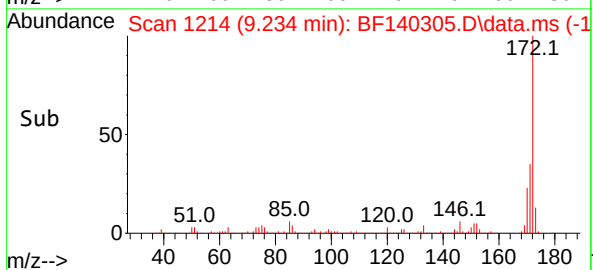
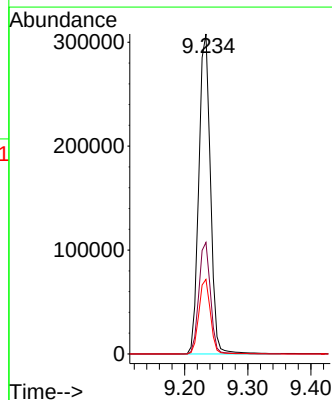
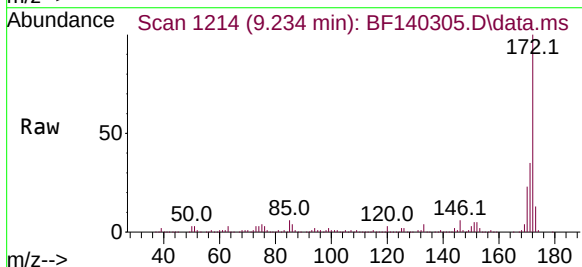
Manual Integrations
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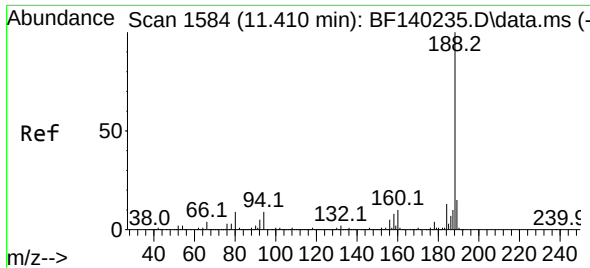
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#45
2-Fluorobiphenyl
Concen: 31.232 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

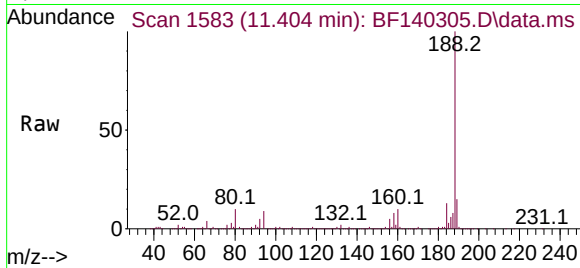
Tgt Ion:172 Resp: 393305
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

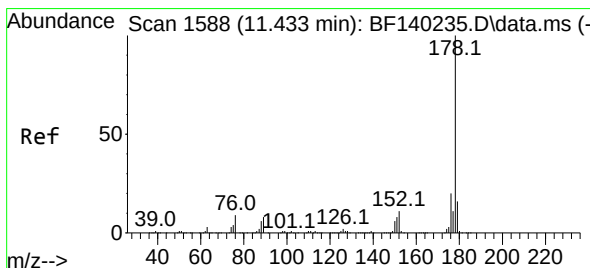
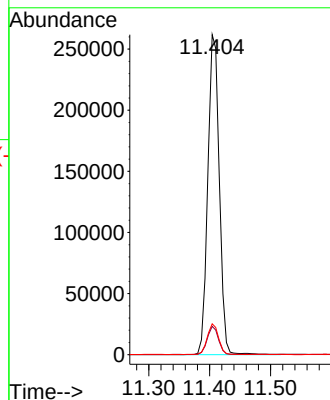
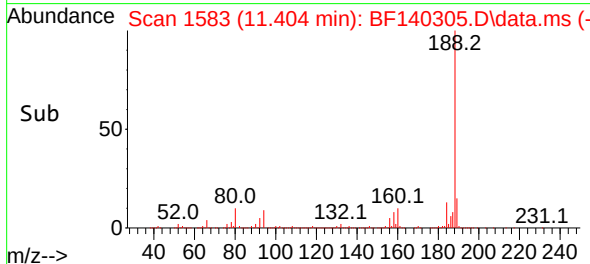
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:188 Resp: 343480
Ion Ratio Lower Upper
188 100
94 8.8 6.9 10.3
80 9.7 7.5 11.3

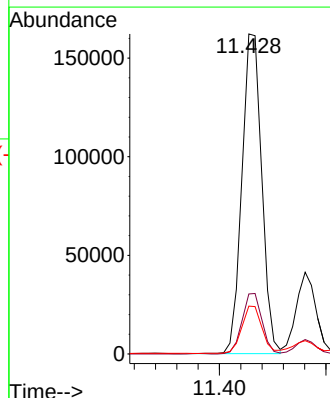
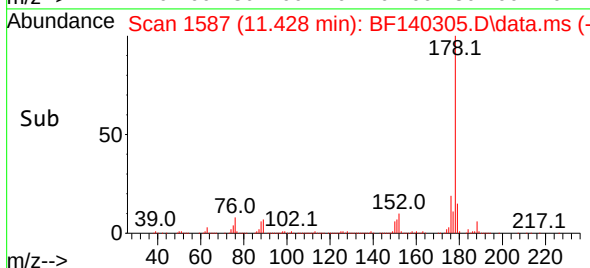
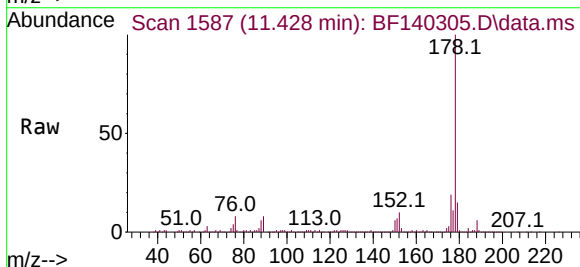
Manual Integrations
APPROVED

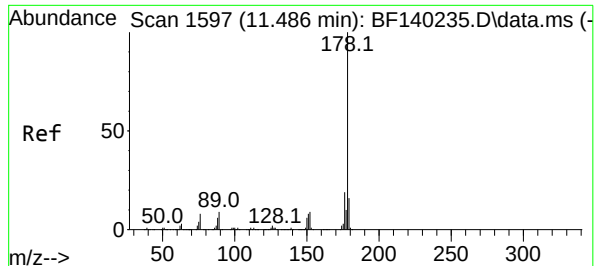
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 12.810 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:178 Resp: 209980
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.9 12.6 18.8





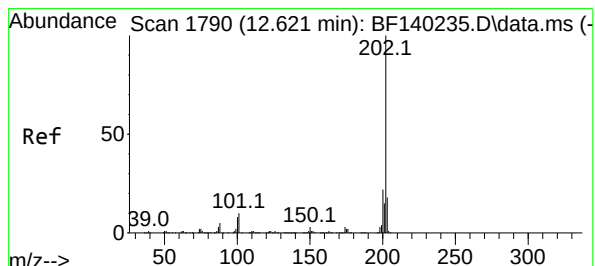
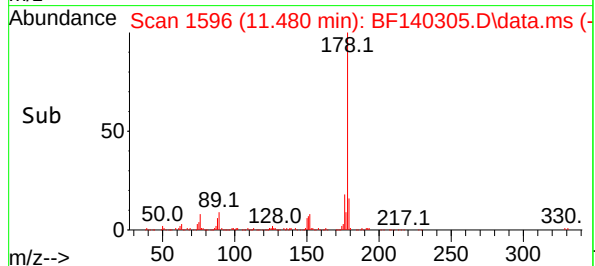
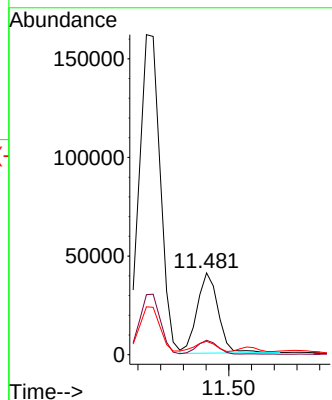
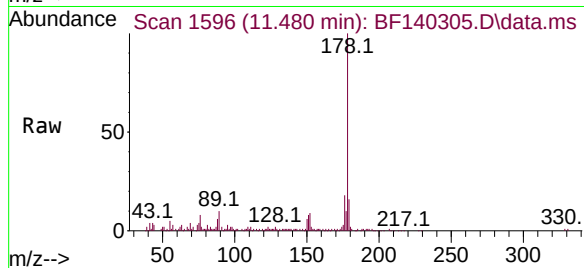
#72
Anthracene
Concen: 3.254 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

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

Tgt Ion:178 Resp: 52309
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.0
179 16.2 12.7 19.1

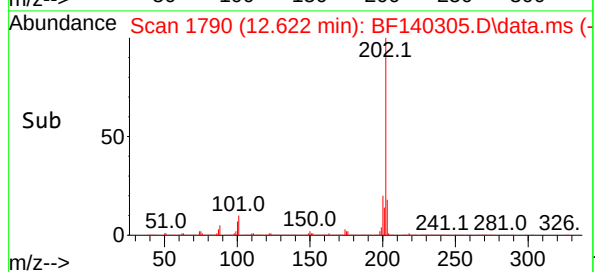
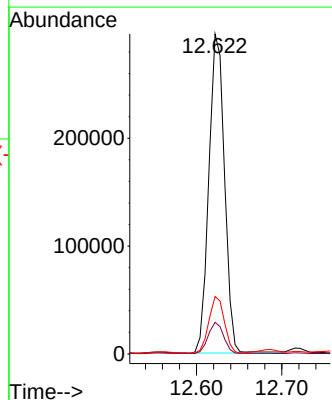
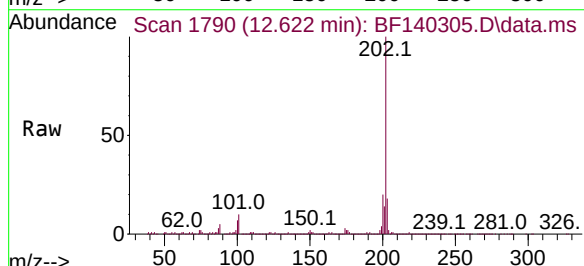
Manual Integrations
APPROVED

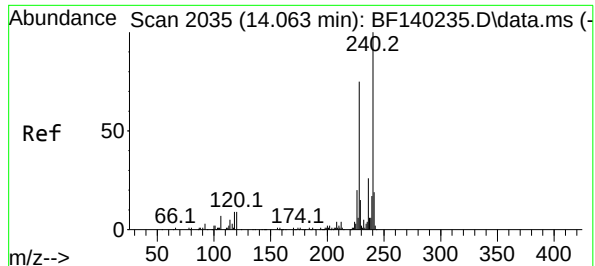
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#75
Fluoranthene
Concen: 22.043 ng
RT: 12.622 min Scan# 1790
Delta R.T. 0.000 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:202 Resp: 377812
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.4
203 17.9 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

Tgt Ion:240 Resp: 223839

Ion Ratio Lower Upper

240 100

120 10.1 7.5 11.3

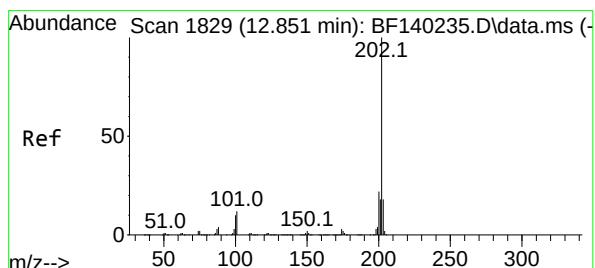
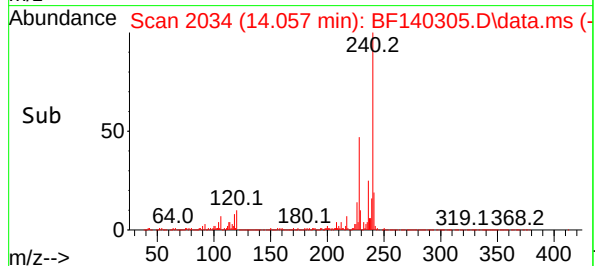
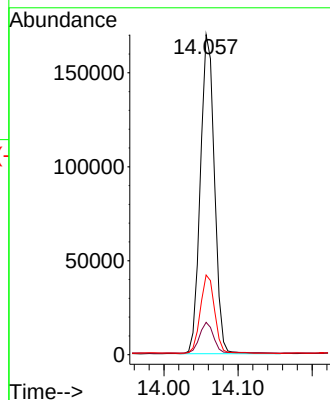
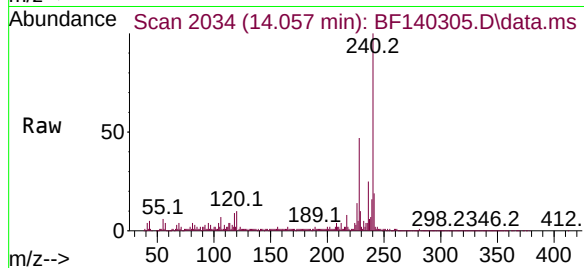
236 24.9 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#78

Pyrene

Concen: 19.762 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

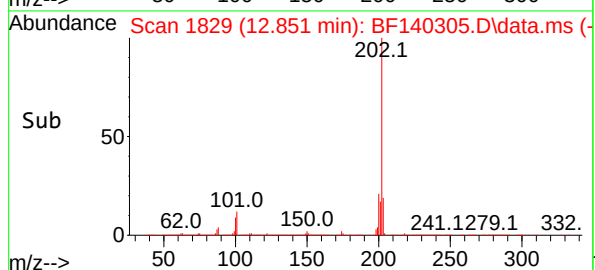
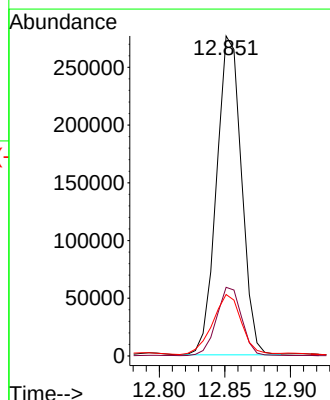
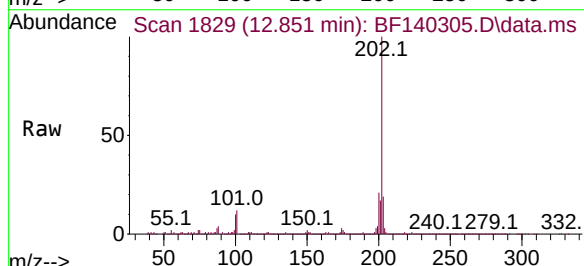
Tgt Ion:202 Resp: 365243

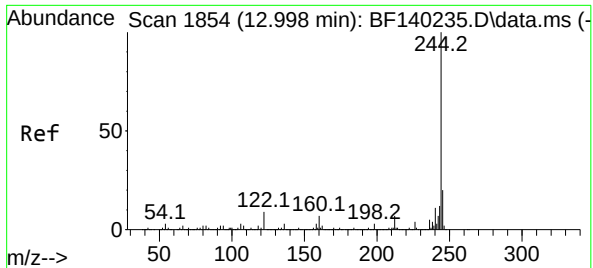
Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

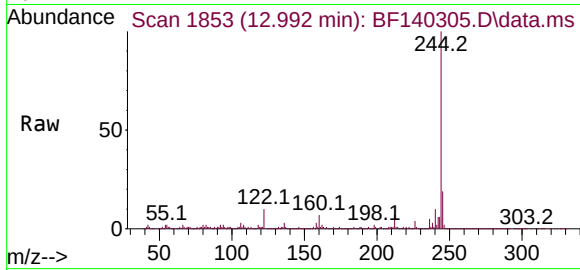
203 19.2 14.4 21.6





#79
Terphenyl-d14
Concen: 30.097 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

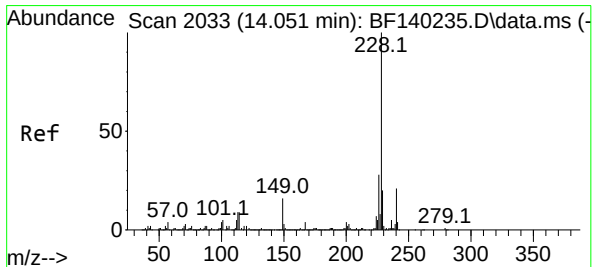
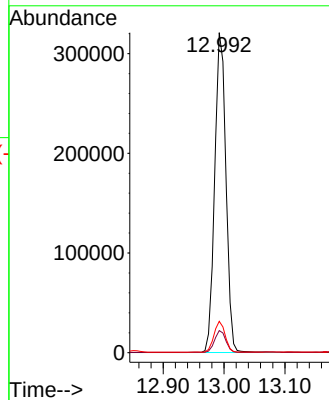
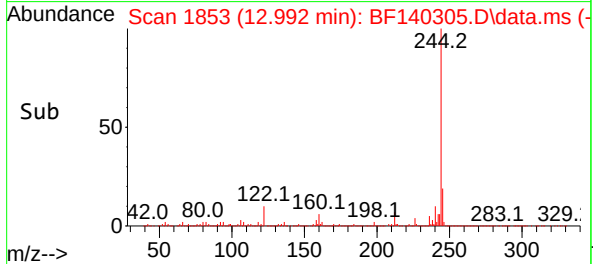
Instrument :
BNA_F
ClientSampleId :
WC-1(0-6)



Tgt Ion:244 Resp: 411258
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.8 7.6 11.4

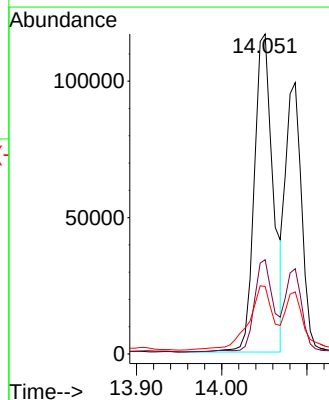
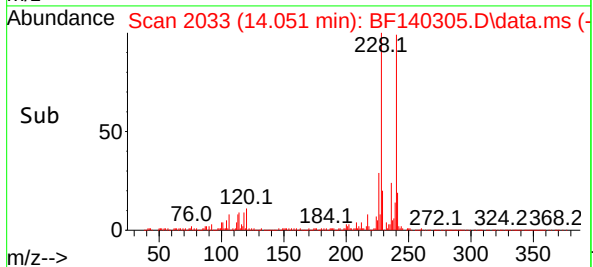
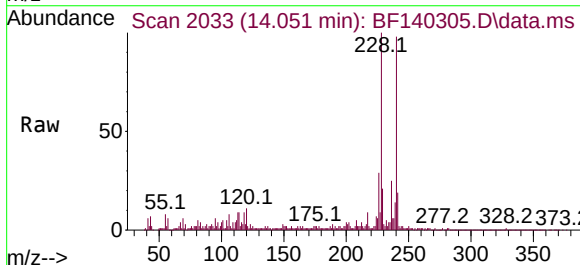
Manual Integrations
APPROVED

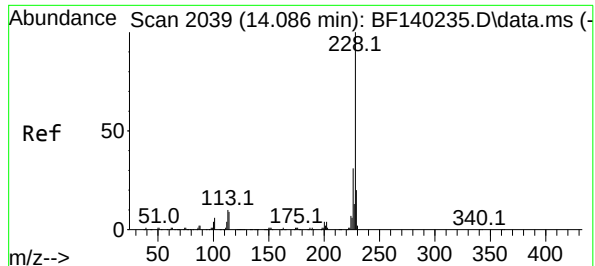
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#81
Benzo(a)anthracene
Concen: 12.505 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140305.D
Acq: 08 Nov 2024 18:03

Tgt Ion:228 Resp: 179631
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 21.1 16.1 24.1





#83

Chrysene

Concen: 9.532 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

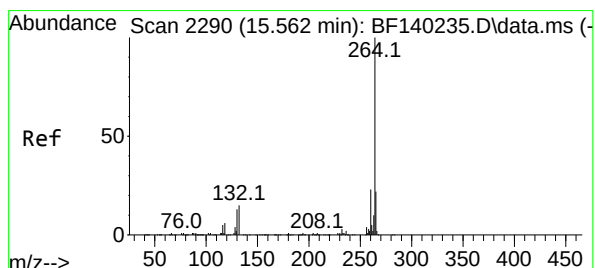
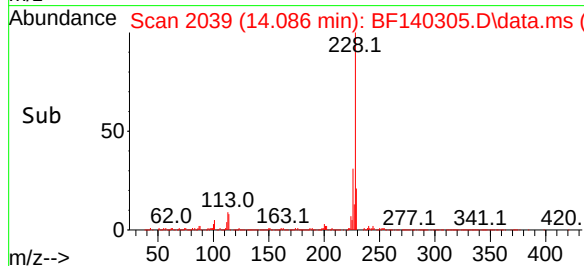
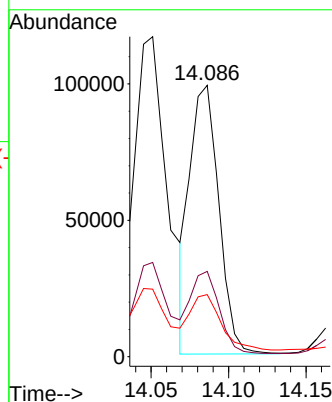
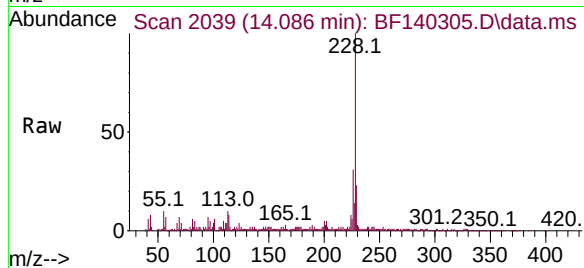
Tgt Ion:	228	Resp:	128225
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.6	36.8
229	22.9	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

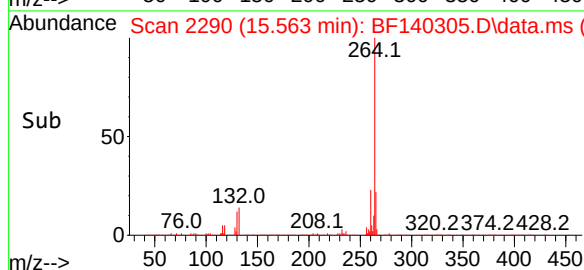
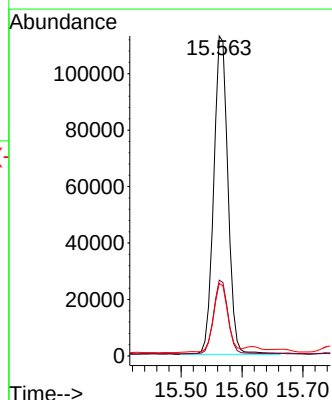
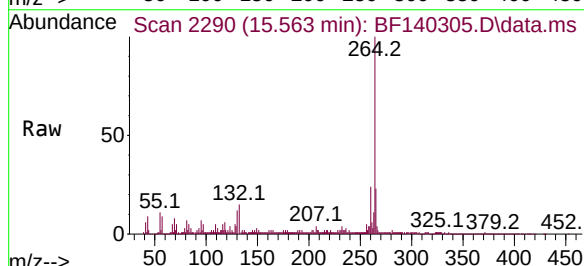
RT: 15.563 min Scan# 2290

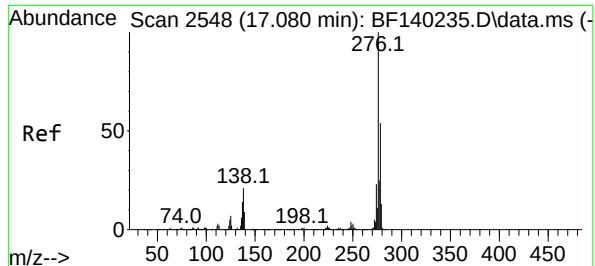
Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Tgt Ion:	264	Resp:	183726
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	22.7	17.3	25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.367 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

Tgt Ion:276 Resp: 5787

Ion Ratio Lower Upper

276 100

138 16.8 17.6 26.4

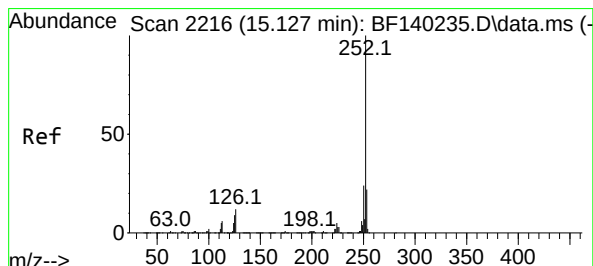
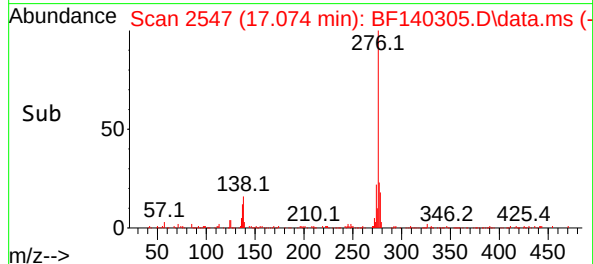
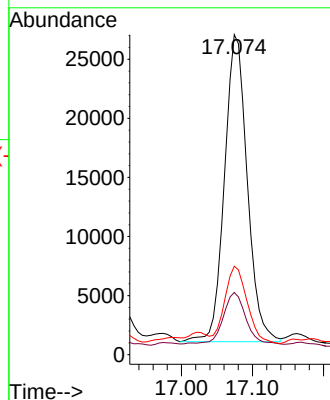
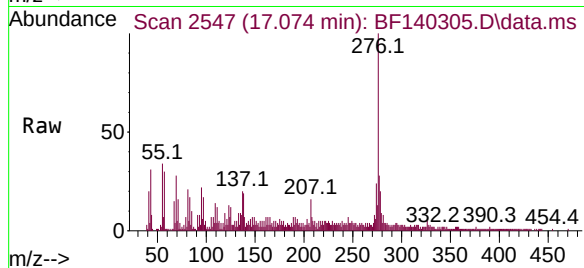
277 24.9 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 11.928 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

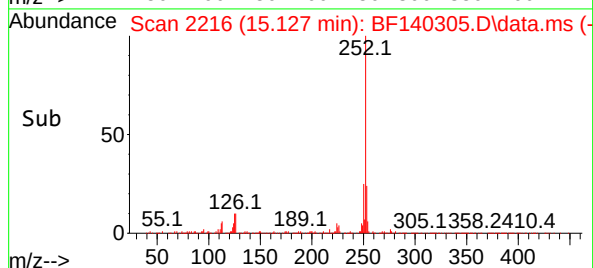
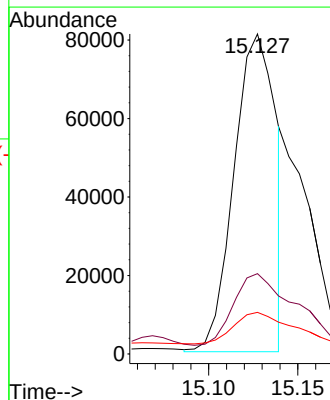
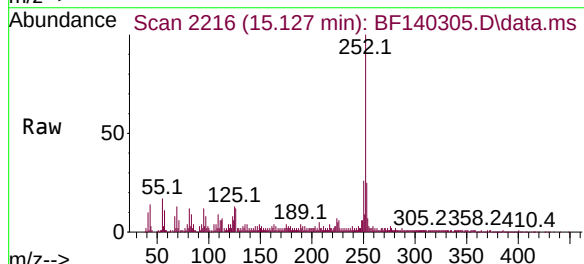
Tgt Ion:252 Resp: 132559

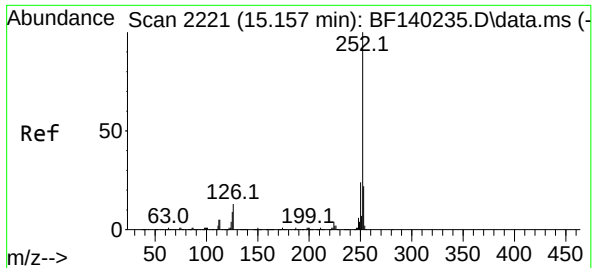
Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

125 13.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 6.113 ng m

RT: 15.139 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)

Tgt Ion:252 Resp: 62330

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

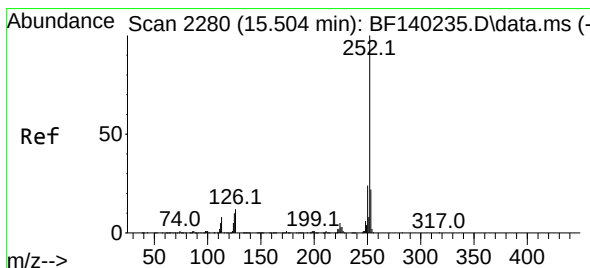
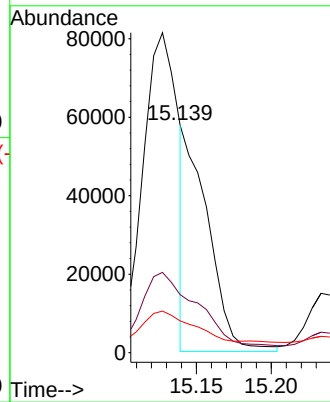
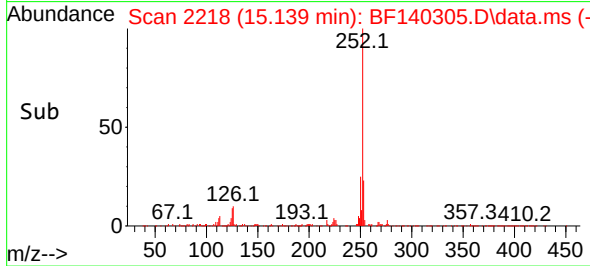
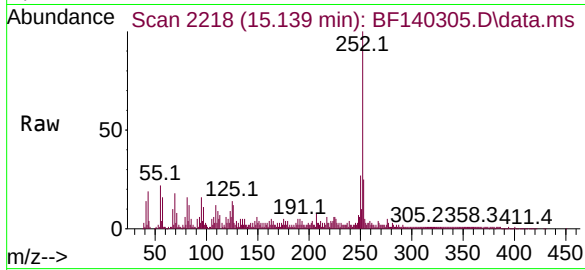
125 14.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 11.683 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.006 min

Lab File: BF140305.D

Acq: 08 Nov 2024 18:03

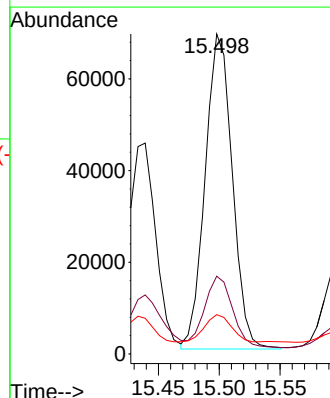
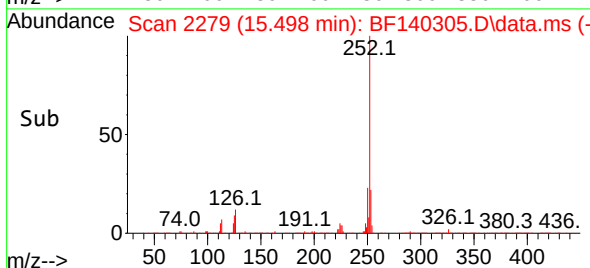
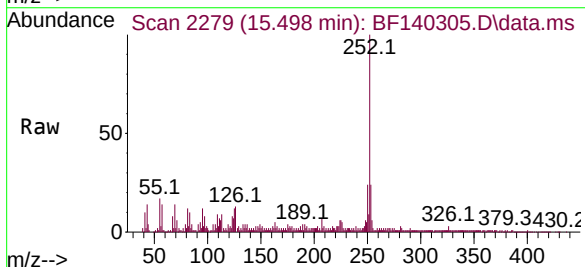
Tgt Ion:252 Resp: 107049

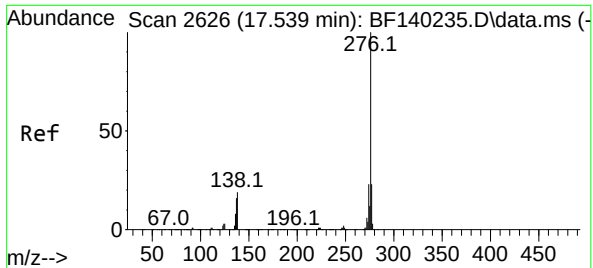
Ion Ratio Lower Upper

252 100

253 24.3 17.4 26.0

125 12.3 7.6 11.4





#92

Benzo(g,h,i)perylene

Concen: 6.321 ng

RT: 17.533 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF140305.D

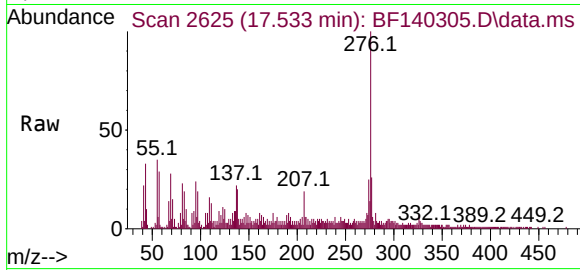
Acq: 08 Nov 2024 18:03

Instrument :

BNA_F

ClientSampleId :

WC-1(0-6)



Tgt Ion:276 Resp: 57209

Ion Ratio Lower Upper

276 100

277 26.3 18.8 28.2

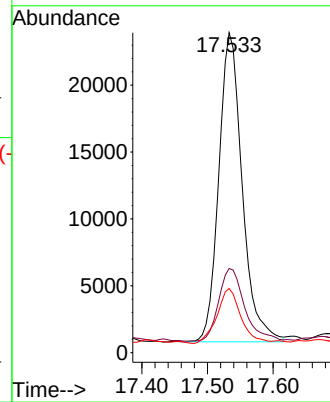
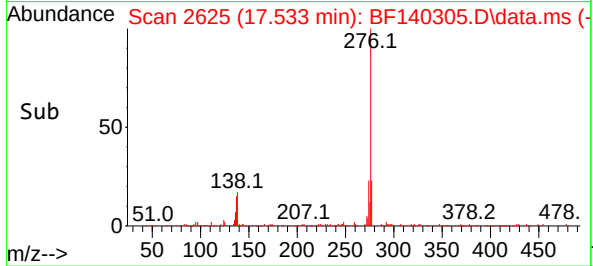
138 20.0 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140305.D
 Acq On : 08 Nov 2024 18:03
 Operator : RC/JU
 Sample : P4722-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140305.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	18	22	38	rVB4	8507	20697	1.86%	0.138%
2	3.946	306	315	321	rBV	10285	16769	1.50%	0.112%
3	4.604	423	427	431	rBV	8779	11419	1.02%	0.076%
4	5.081	498	508	515	rBV	26348	39315	3.53%	0.263%
5	5.487	569	577	597	rBV	793932	1047199	93.92%	7.004%
6	6.410	730	734	741	rBV2	10972	23015	2.06%	0.154%
7	6.498	743	749	765	rVB	801568	1060048	95.07%	7.090%
8	6.710	780	785	788	rBV2	26085	36401	3.26%	0.243%
9	6.875	808	813	819	rVB	563898	699723	62.76%	4.680%
10	6.934	819	823	827	rBV2	12035	13555	1.22%	0.091%
11	7.146	854	859	863	rBV3	14164	18575	1.67%	0.124%
12	7.193	863	867	874	rVB3	8634	15677	1.41%	0.105%
13	7.269	874	880	883	rBV5	11777	19867	1.78%	0.133%
14	7.434	898	908	912	rBV	536998	681627	61.13%	4.559%
15	7.469	912	914	918	rVV	36475	38427	3.45%	0.257%
16	7.516	918	922	926	rVB4	13355	19839	1.78%	0.133%
17	7.575	926	932	936	rBV5	6182	11761	1.05%	0.079%
18	7.687	948	951	957	rVB	28331	38824	3.48%	0.260%
19	7.757	958	963	964	rBV3	8006	11590	1.04%	0.078%
20	7.904	984	988	993	rVB5	7506	11382	1.02%	0.076%
21	8.157	1024	1031	1038	rBV	683642	872986	78.30%	5.839%
22	8.210	1038	1040	1044	rVB	21357	23575	2.11%	0.158%
23	8.363	1063	1066	1070	rBV3	10671	17167	1.54%	0.115%
24	8.445	1076	1080	1085	rVB4	14294	23224	2.08%	0.155%
25	8.575	1098	1102	1108	rBV	23802	34066	3.06%	0.228%
26	8.745	1128	1131	1135	rBV3	9928	11854	1.06%	0.079%
27	8.810	1135	1142	1145	rVV8	9348	21310	1.91%	0.143%
28	8.869	1149	1152	1155	rVB	16394	17492	1.57%	0.117%
29	8.969	1166	1169	1176	rVB2	13634	19872	1.78%	0.133%
30	9.175	1201	1204	1209	rVB	25912	32114	2.88%	0.215%
31	9.234	1209	1214	1223	rBV	872415	1114963	100.00%	7.457%
32	9.310	1223	1227	1233	rBV4	25408	42909	3.85%	0.287%
33	9.498	1255	1259	1264	rBV2	15701	22295	2.00%	0.149%
34	9.569	1267	1271	1274	rVV	31277	43048	3.86%	0.288%
35	9.628	1277	1281	1286	rVB3	35741	54253	4.87%	0.363%
36	9.775	1302	1306	1310	rBV	27805	38278	3.43%	0.256%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.828	1311	1315	1323	rVB4	15195	24798	2.22%	0.166%
38	9.916	1323	1330	1334	rBV	665331	851898	76.41%	5.698%
39	10.022	1344	1348	1352	rBV2	10087	15473	1.39%	0.103%
40	10.116	1360	1364	1368	rVB2	24499	34031	3.05%	0.228%
41	10.157	1368	1371	1380	rVB6	15621	29876	2.68%	0.200%
42	10.234	1380	1384	1386	rBV2	13676	18171	1.63%	0.122%
43	10.322	1395	1399	1405	rBV5	14631	28786	2.58%	0.193%
44	10.463	1419	1423	1429	rBV2	29291	40298	3.61%	0.270%
45	10.563	1436	1440	1445	rVB	19364	31829	2.85%	0.213%
46	10.628	1446	1451	1455	rVV	69601	90406	8.11%	0.605%
47	10.704	1459	1464	1476	rVV	460595	622388	55.82%	4.163%
48	10.828	1480	1485	1492	rVB	45212	74383	6.67%	0.497%
49	11.139	1535	1538	1540	rBV3	14414	18946	1.70%	0.127%
50	11.210	1547	1550	1554	rVB2	15609	19182	1.72%	0.128%
51	11.298	1562	1565	1571	rVB2	41356	61377	5.50%	0.410%
52	11.404	1578	1583	1586	rBV	617985	911515	81.75%	6.096%
53	11.481	1592	1596	1600	rVB	82695	94544	8.48%	0.632%
54	11.639	1619	1623	1629	rBV	31272	47660	4.27%	0.319%
55	11.933	1665	1673	1678	rBV2	159163	315302	28.28%	2.109%
56	12.022	1684	1688	1696	rVB	102482	197825	17.74%	1.323%
57	12.204	1716	1719	1722	rBV	36681	49481	4.44%	0.331%
58	12.463	1759	1763	1766	rBV	52984	80771	7.24%	0.540%
59	12.545	1775	1777	1782	rVB3	30294	35768	3.21%	0.239%
60	12.622	1786	1790	1795	rBV	651061	823465	73.86%	5.507%
61	12.851	1823	1829	1835	rBV	609617	885581	79.43%	5.923%
62	12.992	1848	1853	1861	rVB	814380	1111236	99.67%	7.432%
63	14.057	2029	2034	2037	rBV2	617976	991808	88.95%	6.633%
64	15.127	2212	2216	2224	rVB	207648	436389	39.14%	2.919%
65	15.498	2276	2279	2285	rVB	158636	242924	21.79%	1.625%
66	15.568	2286	2291	2302	rVB2	272196	540593	48.49%	3.616%

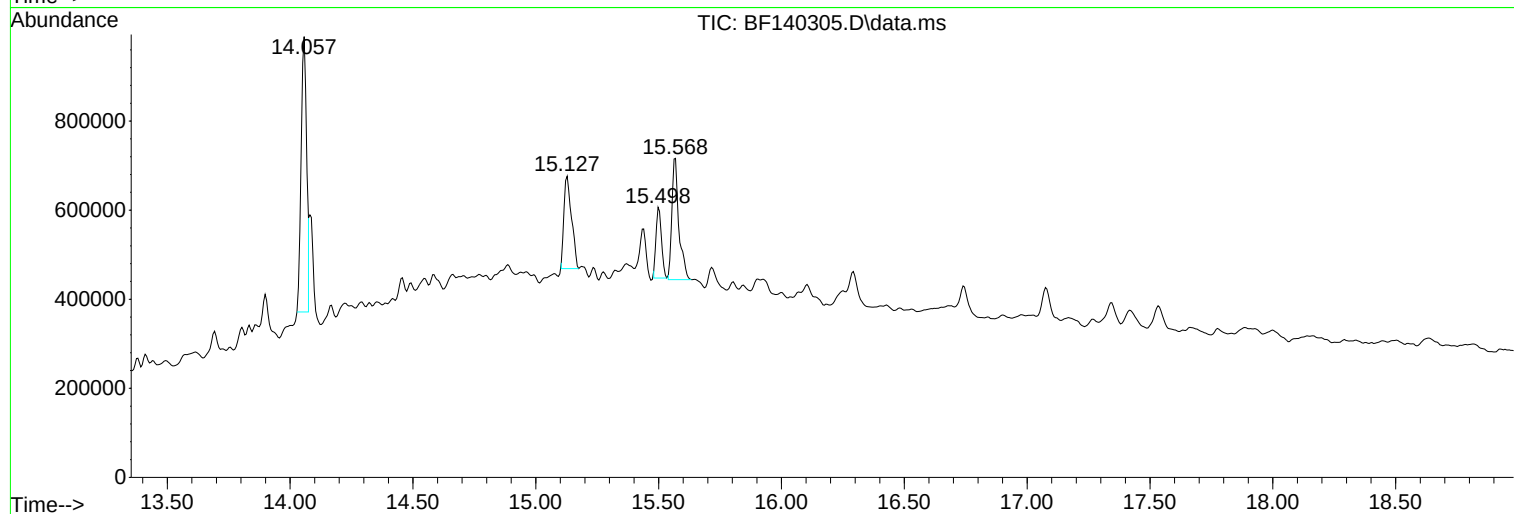
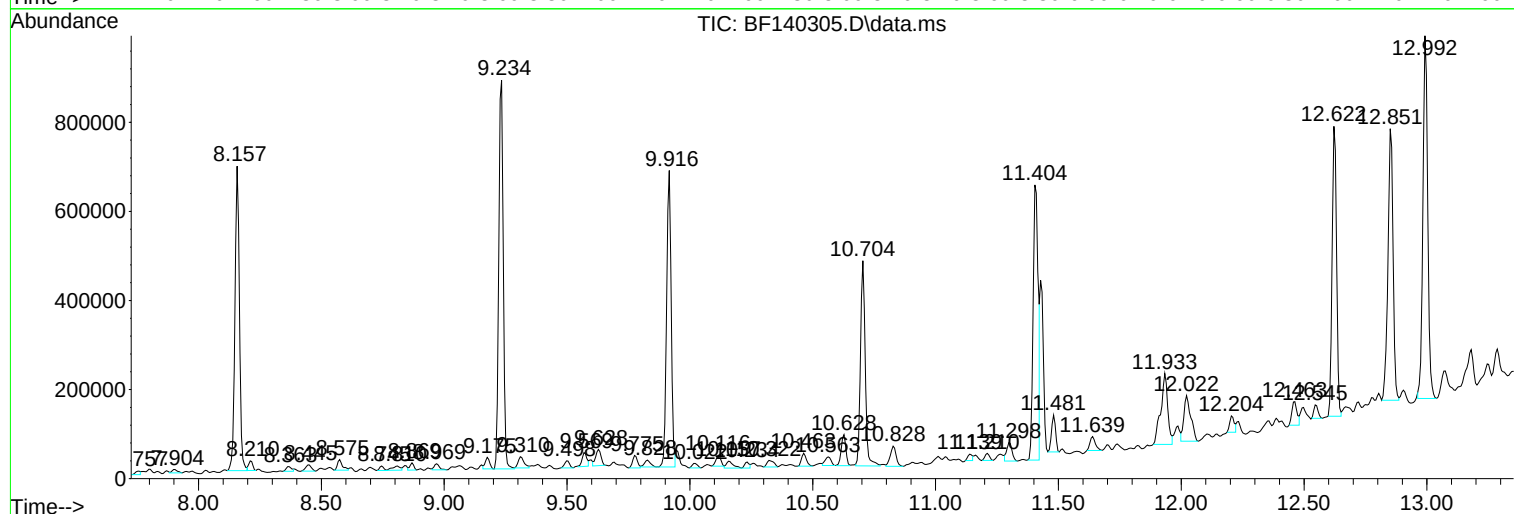
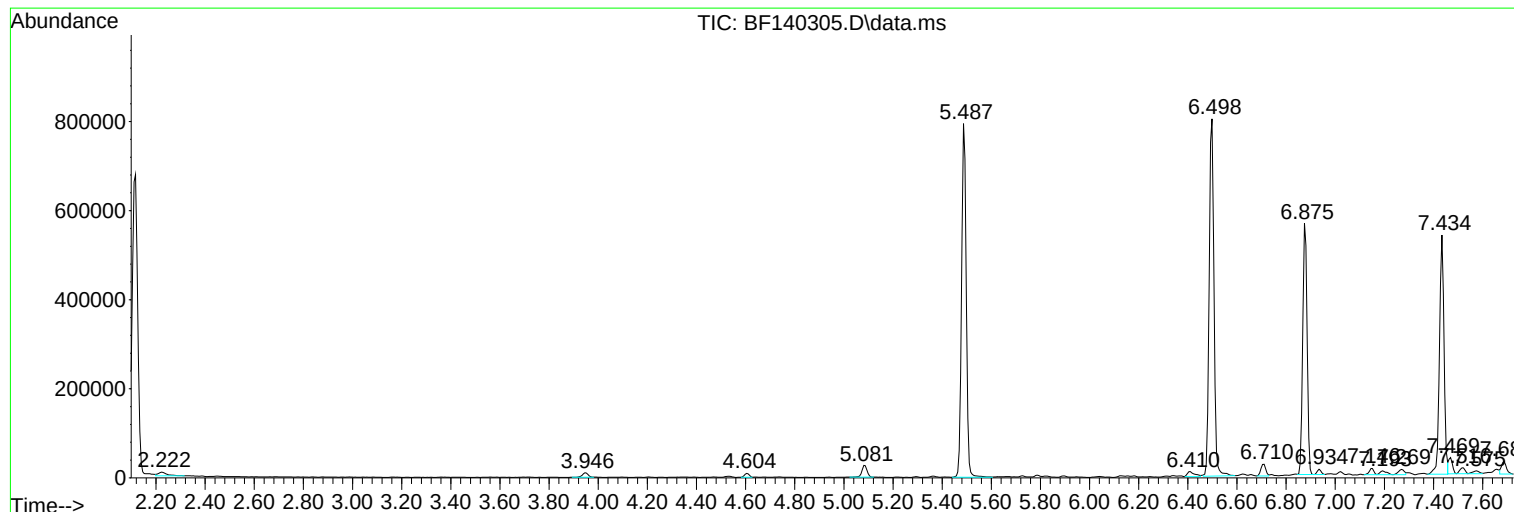
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Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

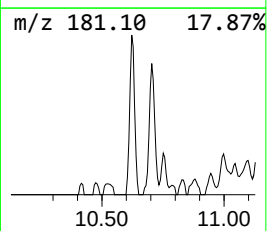
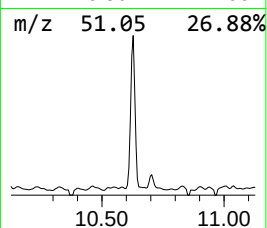
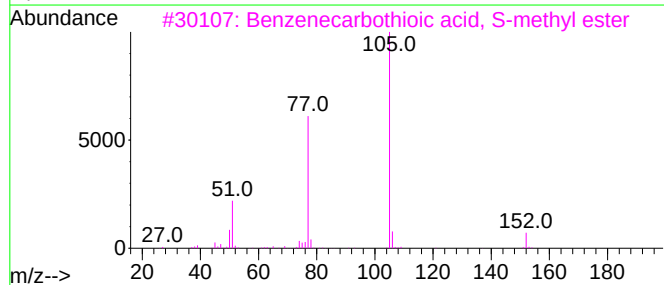
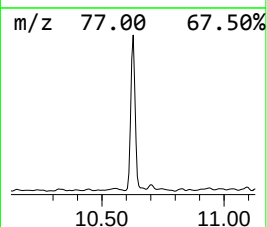
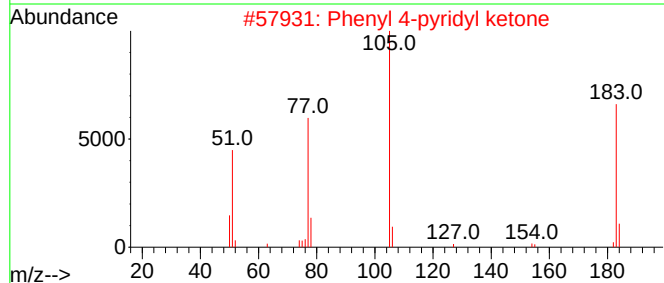
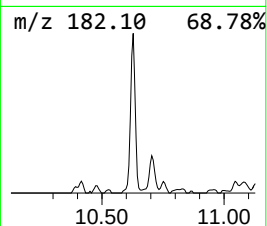
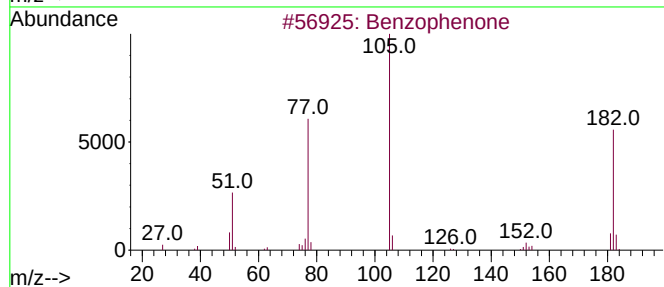
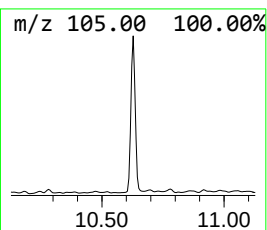
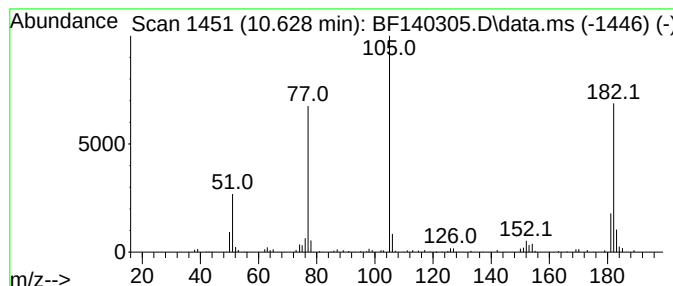
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	2.12 ng	90406	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	95
2			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
5			Benzoylformic acid	150	C8H6O3	000611-73-4	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

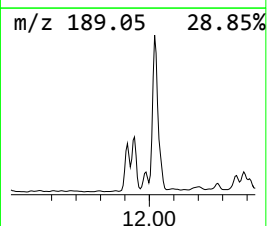
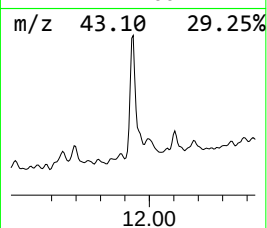
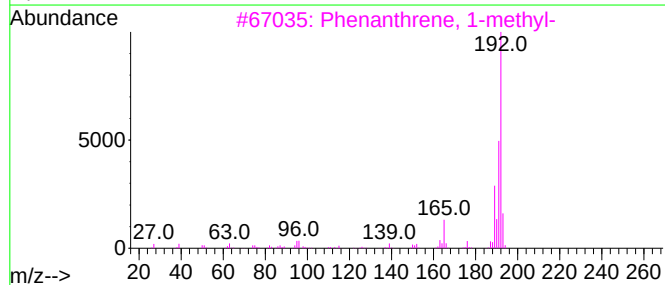
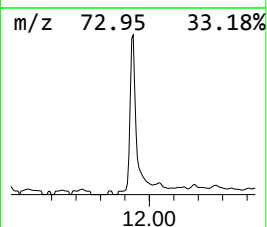
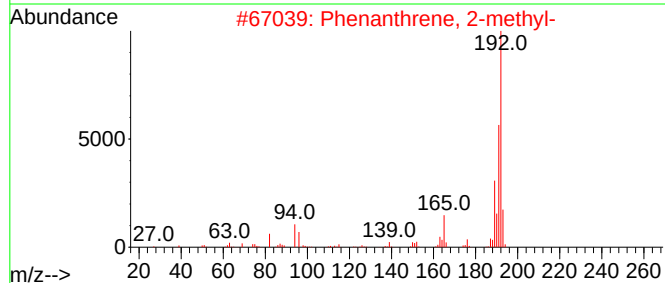
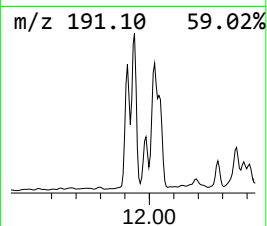
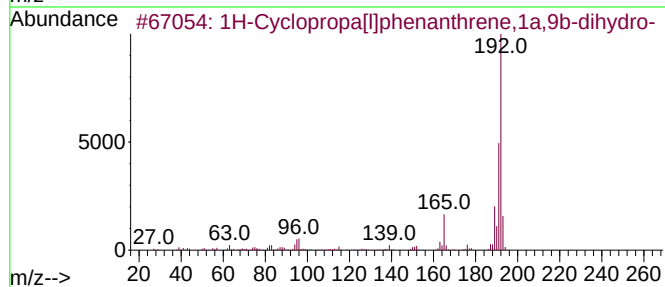
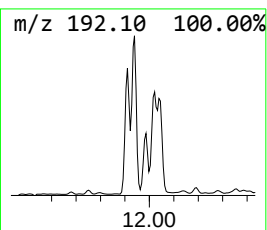
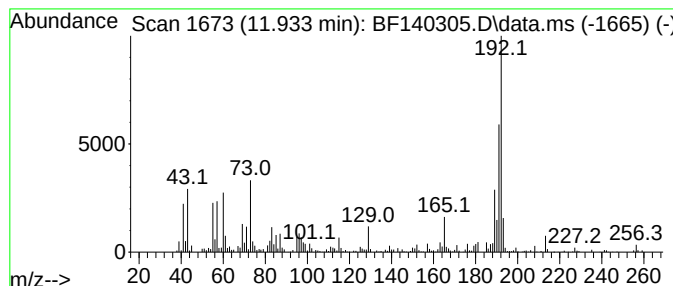
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.92 ng	315302	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

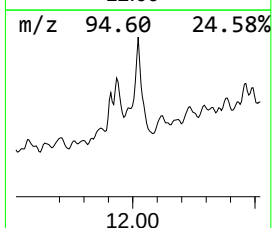
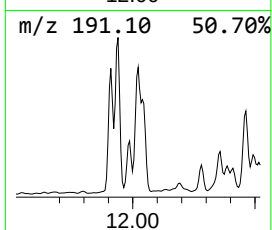
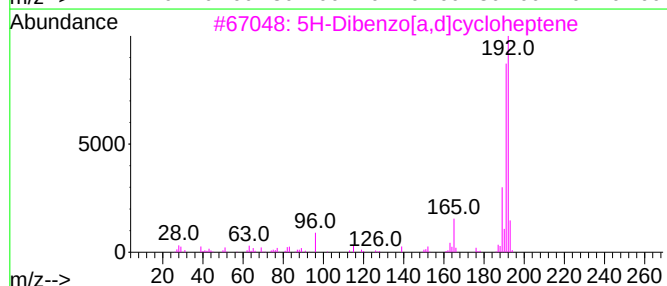
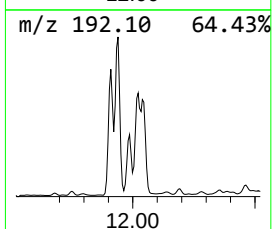
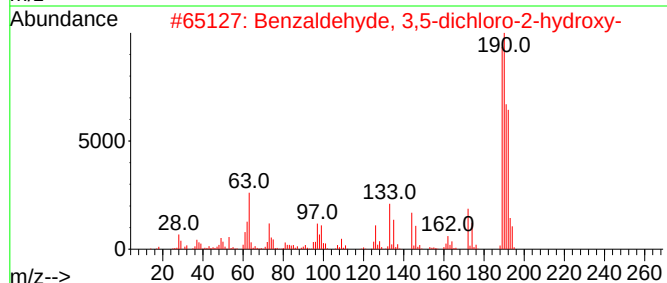
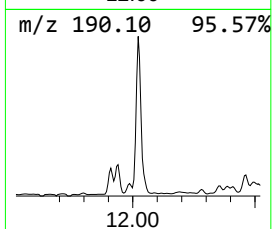
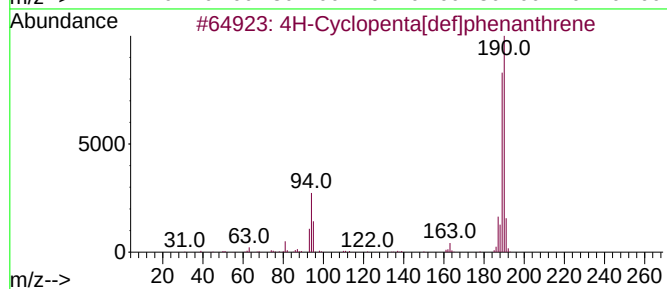
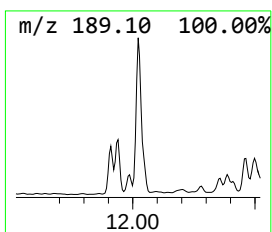
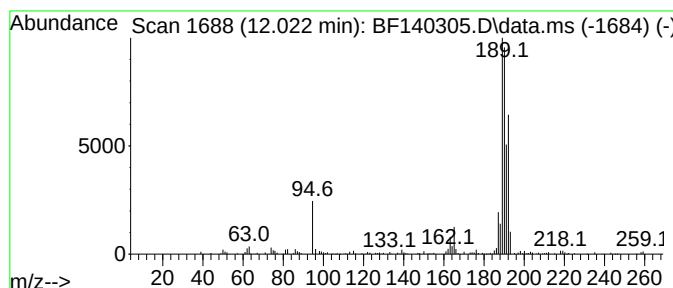
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	4.34 ng	197825	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2			Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140305.D
Acq On : 08 Nov 2024 18:03
Operator : RC/JU
Sample : P4722-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.628	2.1	ng	90406	3	9.916	851898	20.0
1H-Cyclopropa[l...	11.933	6.9	ng	315302	4	11.404	911515	20.0
4H-Cyclopenta[d...	12.022	4.3	ng	197825	4	11.404	911515	20.0

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:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	91.8	U	91.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.7	U	92.7	190	ug/Kg
95-57-8	2-Chlorophenol	92.5	U	92.5	190	ug/Kg
95-48-7	2-Methylphenol	89.2	U	89.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	96.2	U	96.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.4	U	88.4	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.6	U	44.6	88.6	ug/Kg
67-72-1	Hexachloroethane	91.9	U	91.9	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	93.7	U	93.7	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.0	U	95.0	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.6	U	83.6	190	ug/Kg
91-20-3	Naphthalene	160	J	91.5	190	ug/Kg
106-47-8	4-Chloroaniline	91.5	U	91.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.2	U	92.2	190	ug/Kg
105-60-2	Caprolactam	96.1	U	96.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.8	U	85.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.4	U	91.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.9	U	81.9	190	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	190	ug/Kg

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:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	140	J	95.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.1	U	92.1	190	ug/Kg
99-09-2	3-Nitroaniline	98.8	U	98.8	190	ug/Kg
83-32-9	Acenaphthene	250		89.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	150	J	93.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.4	U	95.4	190	ug/Kg
84-66-2	Diethylphthalate	88.7	U	88.7	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.8	U	94.8	190	ug/Kg
86-73-7	Fluorene	210		94.7	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	190	ug/Kg
118-74-1	Hexachlorobenzene	94.1	U	94.1	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	85.6	U	85.6	370	ug/Kg
85-01-8	Phenanthrene	2200		93.0	190	ug/Kg
120-12-7	Anthracene	600		93.5	190	ug/Kg
86-74-8	Carbazole	220		88.9	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.3	U	93.3	190	ug/Kg
206-44-0	Fluoranthene	3000	E	90.5	190	ug/Kg
129-00-0	Pyrene	2300		91.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	1600		89.4	190	ug/Kg
218-01-9	Chrysene	1400		88.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		89.8	190	ug/Kg

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:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	620		91.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	770		86.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260		89.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		88.7	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.1	U	96.1	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.7	U	82.7	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.8		18 - 112	67%	SPK: 150
13127-88-3	Phenol-d6	97.7		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	66.5		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.3		20 - 109	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.7		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	58.3		10 - 105	58%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875
1146-65-2	Naphthalene-d8	426000	8.157
15067-26-2	Acenaphthene-d10	223000	9.916
1517-22-2	Phenanthrene-d10	344000	11.404
1719-03-5	Chrysene-d12	256000	14.068
1520-96-3	Perylene-d12	207000	15.58

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	2700	J	2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	AB	5.10	ug/Kg
000119-61-9	Benzophenone	230	J	10.6	ug/Kg
001730-37-6	9H-Fluorene, 1-methyl-	99.3	J	11.0	ug/Kg
000486-25-9	9H-Fluoren-9-one	97.8	J	11.2	ug/Kg
000132-65-0	Dibenzothiophene	130	J	11.3	ug/Kg
002531-84-2	Phenanthrene, 2-methyl-	220	J	11.9	ug/Kg

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:	P4722-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140303.D	1	11/07/24 09:20	11/08/24 17:10	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	640	J		11.9	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	150	J		12.0	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	590	J		12.0	ug/Kg
003770-48-7	4-Methylcarbazole	98.9	J		12.1	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	180	J		12.2	ug/Kg
003674-65-5	Phenanthrene, 2,3-dimethyl-	200	J		12.5	ug/Kg
	unknown12.498	160	J		12.5	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	180	J		12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	100	J		13.1	ug/Kg
033543-31-6	Fluoranthene, 2-methyl-	140	J		13.2	ug/Kg
000479-79-8	11H-Benzo[a]fluoren-11-one	160	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	260	J		15.3	ug/Kg
000198-55-0	Perylene	1000	J		15.5	ug/Kg

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 : BF140303.D
 Acq On : 08 Nov 2024 17:10
 Operator : RC/JU
 Sample : P4722-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 21:46:56 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	115521	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	425723	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	222785	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	343931	20.000	ng	0.00
76) Chrysene-d12	14.068	240	256443	20.000	ng	0.00
86) Perylene-d12	15.580	264	206534	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	695359	99.753	ng	0.00
7) Phenol-d6	6.498	99	875884	97.688	ng	0.00
23) Nitrobenzene-d5	7.434	82	569109	66.464	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	202000	91.730	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	995137	71.326	ng	0.00
79) Terphenyl-d14	12.998	244	912564	58.294	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.181	128	96069	4.370	ng	98
37) 2-Methylnaphthalene	8.869	142	31164	2.172	ng	98
49) Acenaphthylene	9.775	152	63951	3.727	ng	99
52) Acenaphthene	9.945	154	82571	6.784	ng	99
55) Dibenzofuran	10.122	168	70193	4.124	ng	95
58) Fluorene	10.463	166	75439	5.568	ng	99
71) Phenanthrene	11.433	178	967820	58.965	ng	99
72) Anthracene	11.480	178	262486	16.309	ng	99
73) Carbazole	11.633	167	88007	5.984	ng	98
75) Fluoranthene	12.627	202	1395126	81.289	ng	100
78) Pyrene	12.857	202	1313608	62.039	ng	98
81) Benzo(a)anthracene	14.057	228	734398	44.624	ng	97
83) Chrysene	14.092	228	566900	36.784	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	253871	20.940	ng	96
88) Benzo(b)fluoranthene	15.145	252	673587m	53.918	ng	
89) Benzo(k)fluoranthene	15.163	252	192954m	16.832	ng	
90) Benzo(a)pyrene	15.515	252	444148	43.121	ng	98
91) Dibenzo(a,h)anthracene	17.104	278	70531m	7.071	ng	
92) Benzo(g,h,i)perylene	17.557	276	255958	25.156	ng	99

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

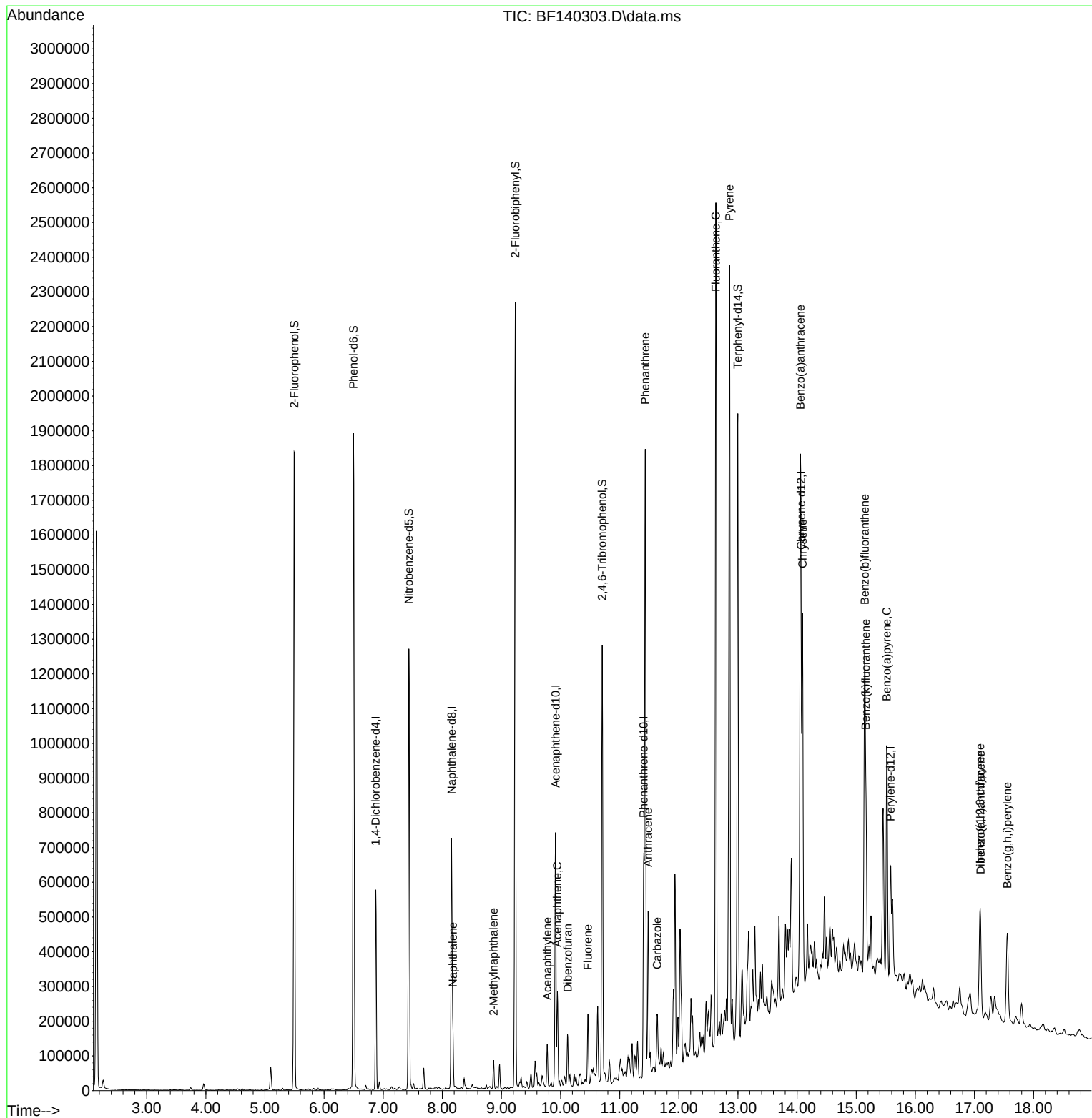
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Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

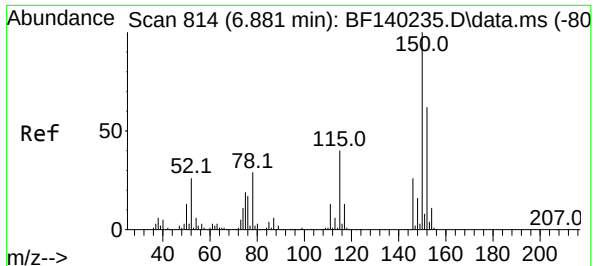
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)

Manual Integrations
APPROVED

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

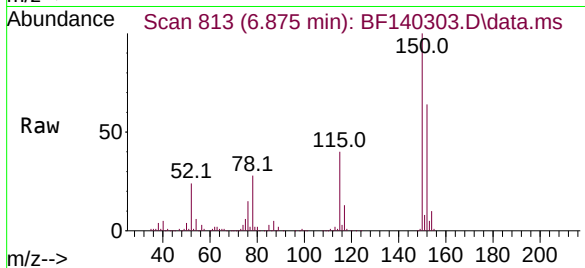
Quant Time: Nov 08 21:46:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

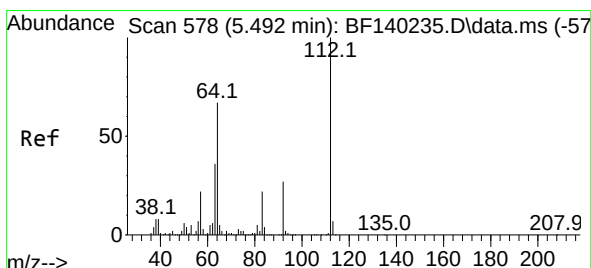
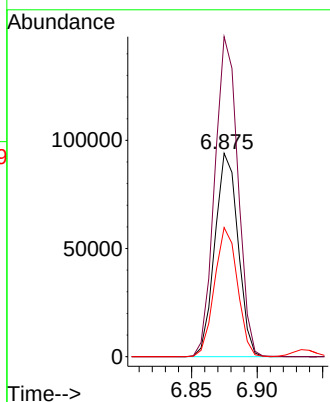
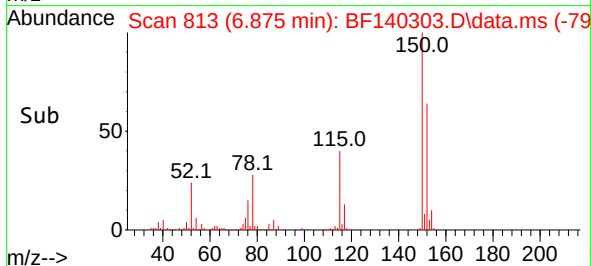
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



Tgt Ion:152 Resp: 11552
Ion Ratio Lower Upper
152 100
150 157.4 129.4 194.2
115 63.5 51.5 77.3

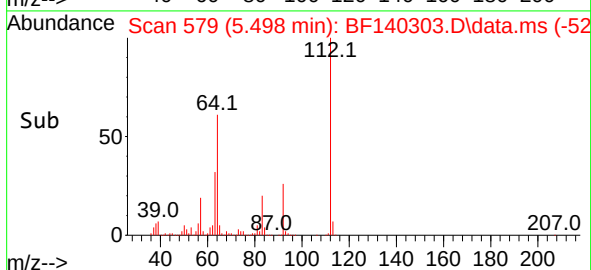
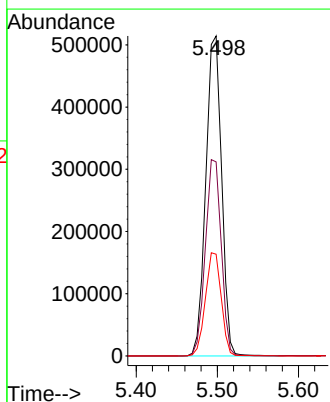
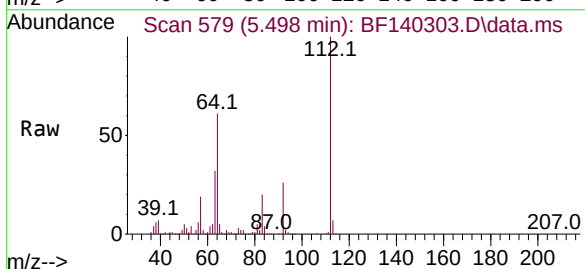
Manual Integrations
APPROVED

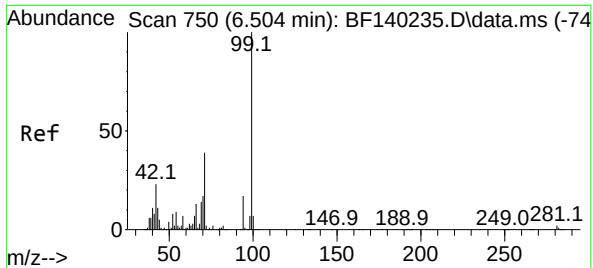
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 99.753 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

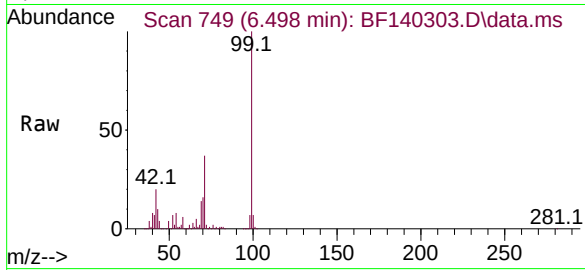
Tgt Ion:112 Resp: 695359
Ion Ratio Lower Upper
112 100
64 60.6 53.4 80.2
63 31.8 28.9 43.3





#7
Phenol-d6
Concen: 97.688 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

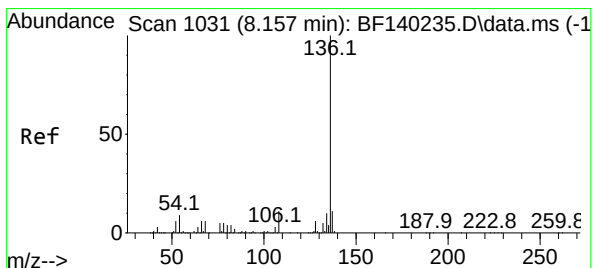
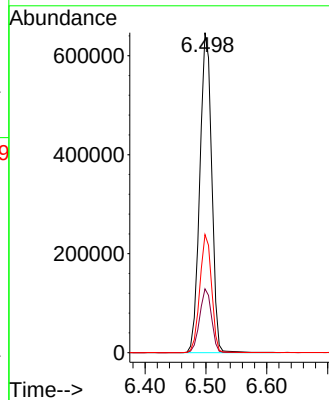
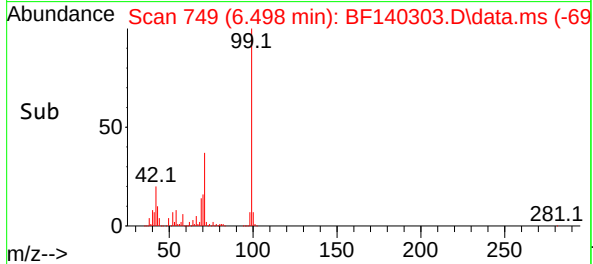
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



Tgt Ion: 99 Resp: 875884
Ion Ratio Lower Upper
99 100
42 20.0 18.2 27.2
71 36.9 30.9 46.3

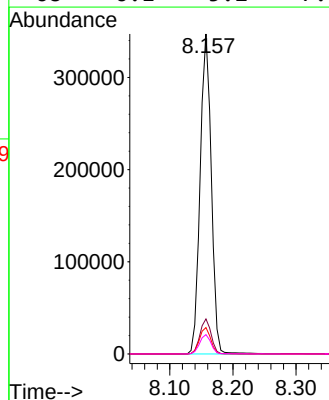
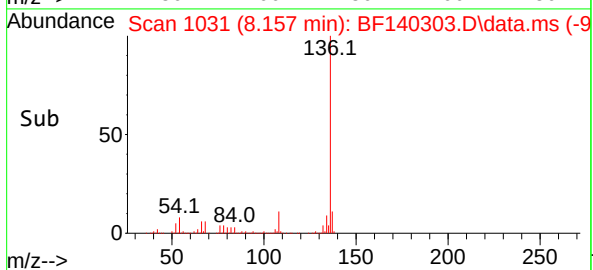
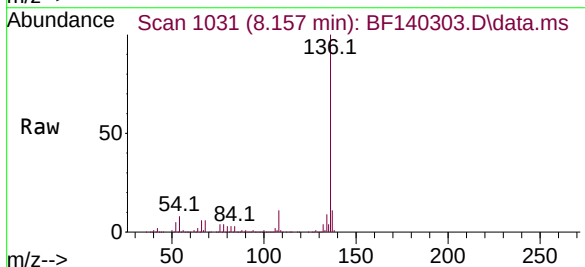
Manual Integrations
APPROVED

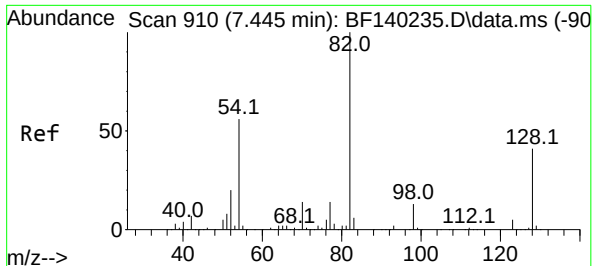
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

Tgt Ion:136 Resp: 425723
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.2 7.7 11.5
68 6.1 5.2 7.8





#23

Nitrobenzene-d5

Concen: 66.464 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

Tgt Ion: 82 Resp: 569109

Ion Ratio Lower Upper

82 100

128 42.3 32.8 49.2

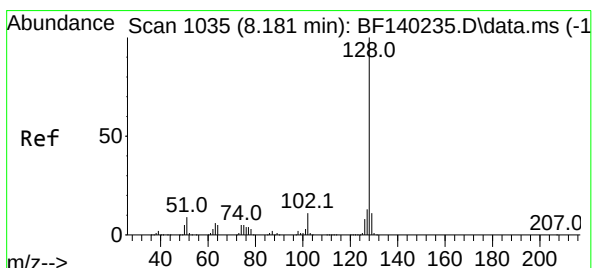
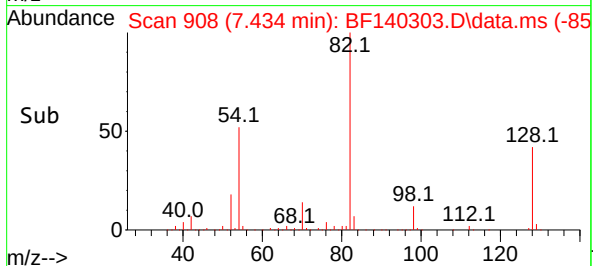
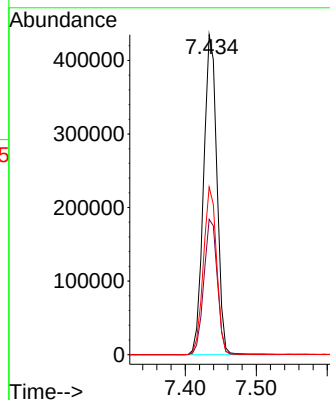
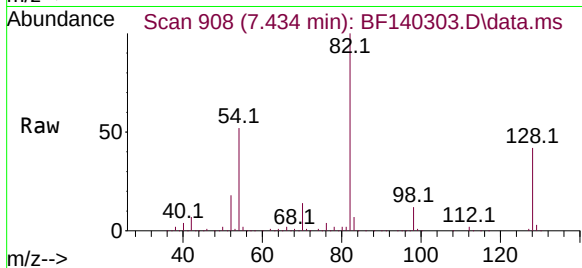
54 52.4 44.3 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#31

Naphthalene

Concen: 4.370 ng

RT: 8.181 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

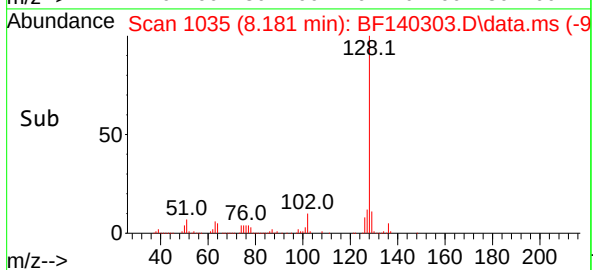
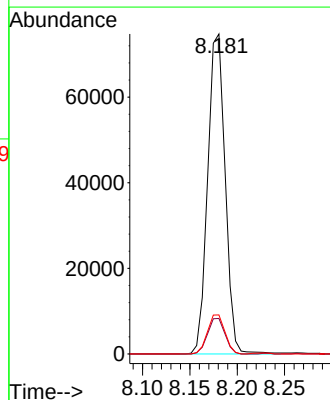
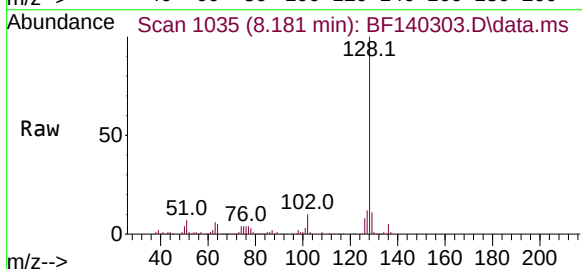
Tgt Ion:128 Resp: 96069

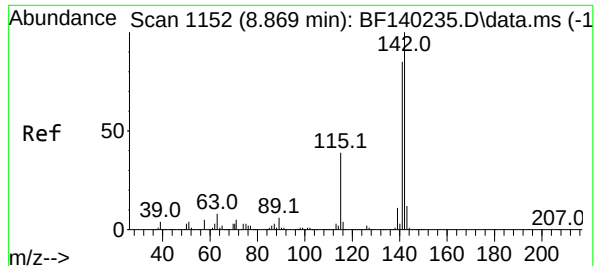
Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

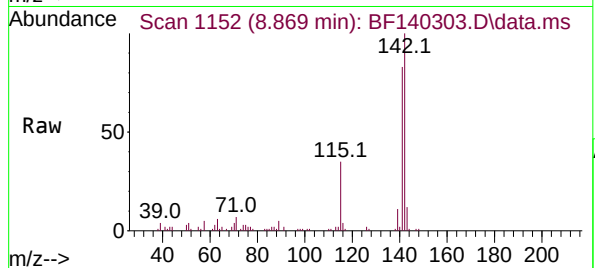
127 12.2 10.7 16.1





#37
2-Methylnaphthalene
Concen: 2.172 ng
RT: 8.869 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

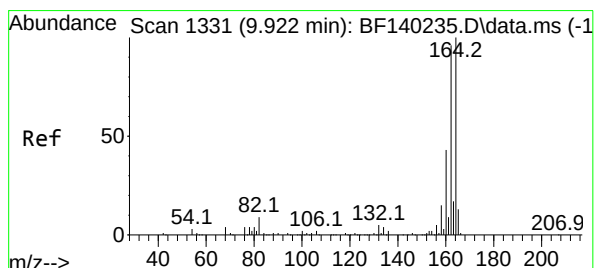
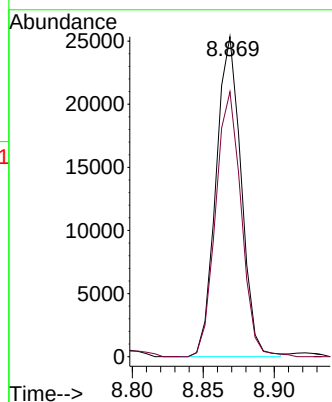
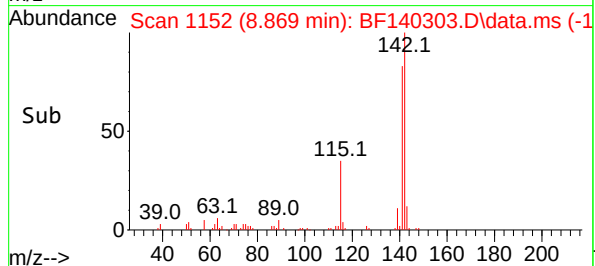
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



Tgt Ion:142 Resp: 31164
Ion Ratio Lower Upper
142 100
141 82.8 67.8 101.8

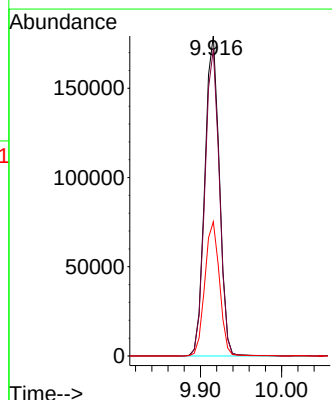
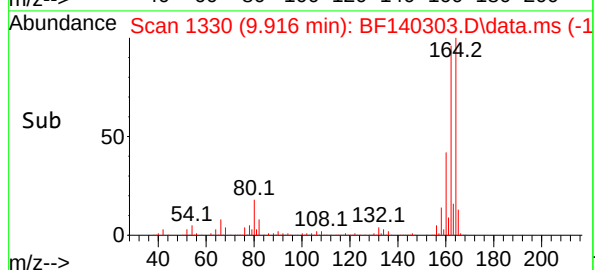
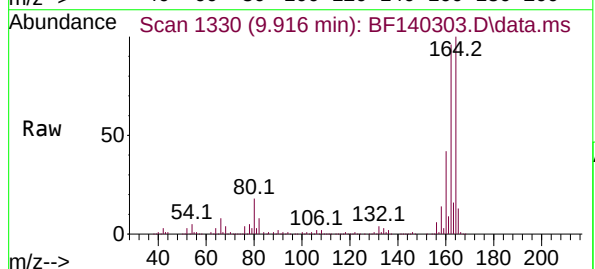
Manual Integrations
APPROVED

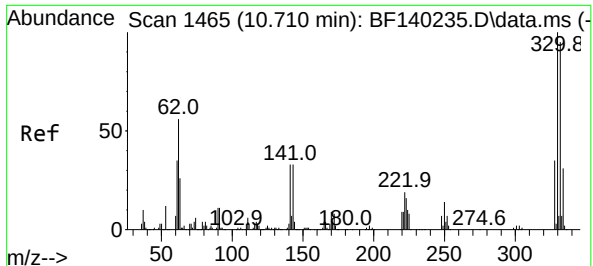
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

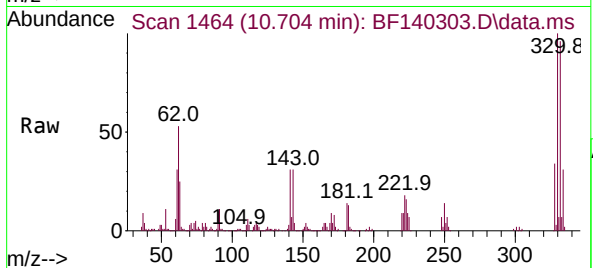
Tgt Ion:164 Resp: 222785
Ion Ratio Lower Upper
164 100
162 95.9 77.0 115.4
160 41.9 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 91.730 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

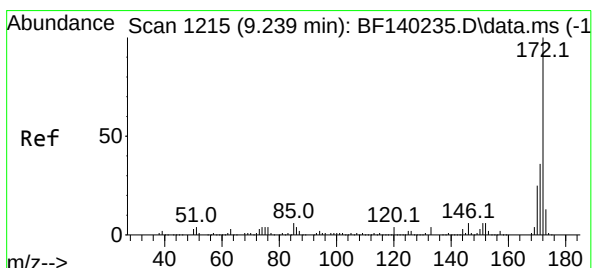
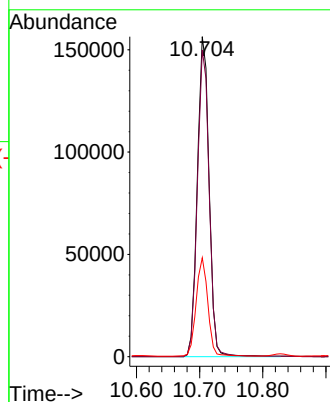
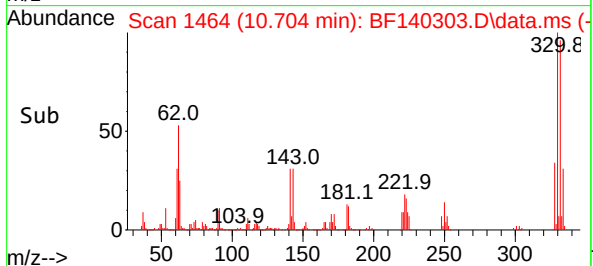
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



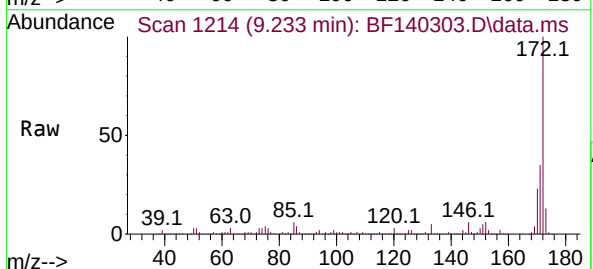
Tgt Ion: 330 Resp: 202000
Ion Ratio Lower Upper
330 100
332 96.3 76.4 114.6
141 30.6 27.0 40.4

Manual Integrations
APPROVED

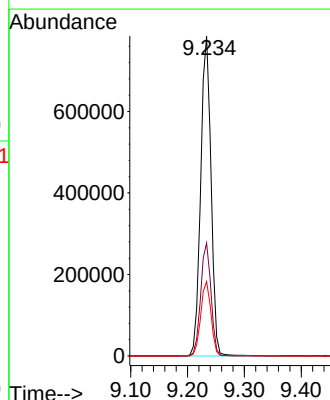
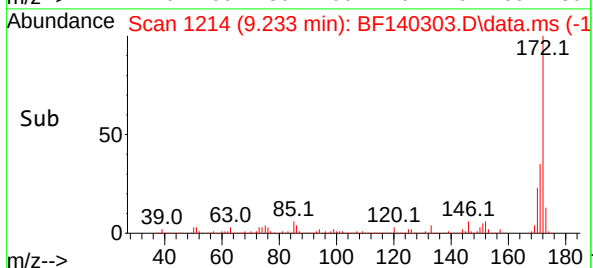
Reviewed By : Yogesh Patel 11/10/2024
Supervised By : mohammad ahmed 11/11/2024

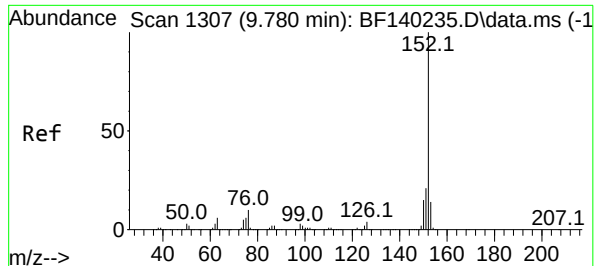


#45
2-Fluorobiphenyl
Concen: 71.326 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10



Tgt Ion: 172 Resp: 995137
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.3 19.6 29.4





#49

Acenaphthylene

Concen: 3.727 ng

RT: 9.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

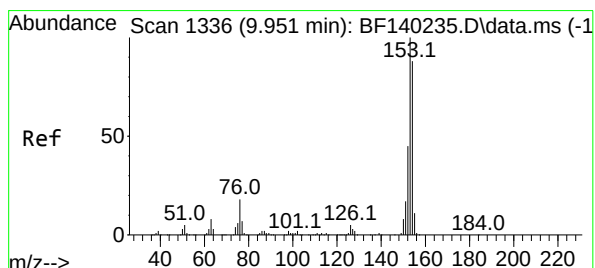
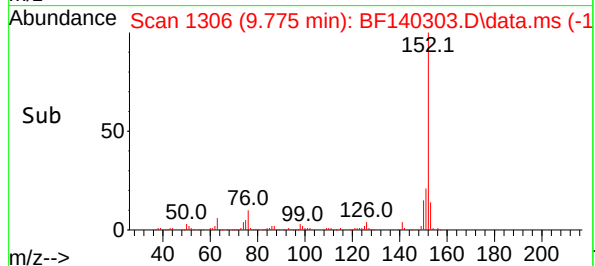
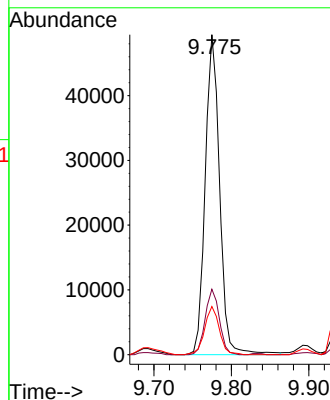
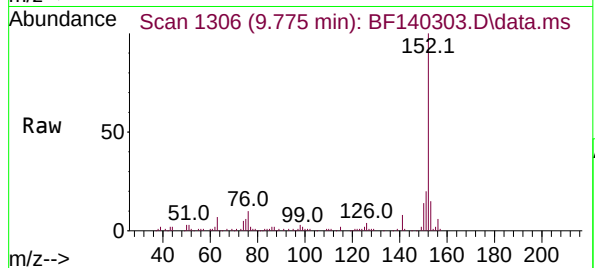
Tgt Ion:	152	Resp:	6395
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.4	24.6
153	15.0	11.1	16.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#52

Acenaphthene

Concen: 6.784 ng

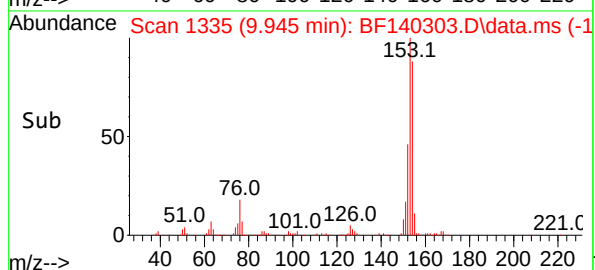
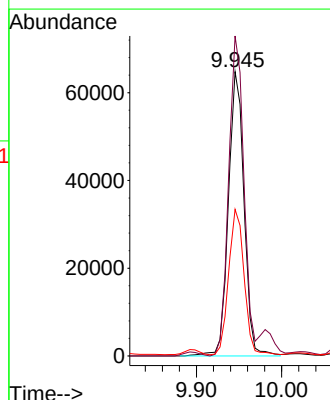
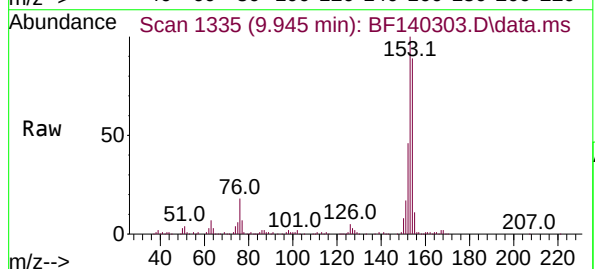
RT: 9.945 min Scan# 1335

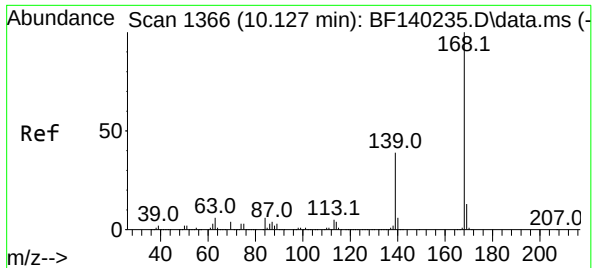
Delta R.T. -0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Tgt Ion:	154	Resp:	82571
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.3	136.9
152	51.5	41.4	62.2





#55

Dibenzenofuran

Concen: 4.124 ng

RT: 10.122 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

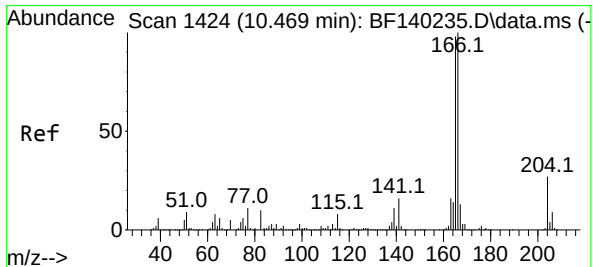
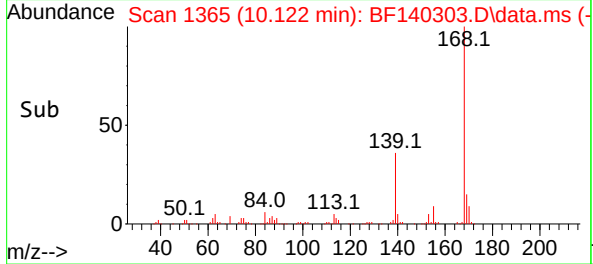
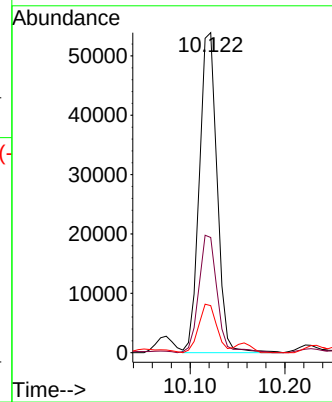
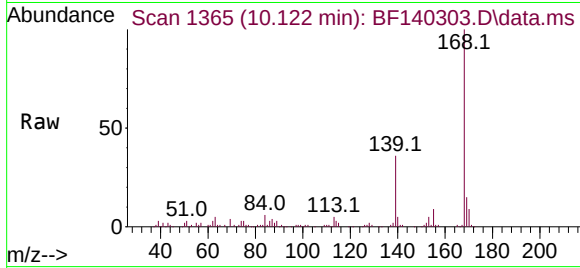
Tgt Ion:168	Resp:	7019
Ion Ratio	Lower	Upper
168	100	
139	36.0	31.5 47.3
169	14.7	10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#58

Fluorene

Concen: 5.568 ng

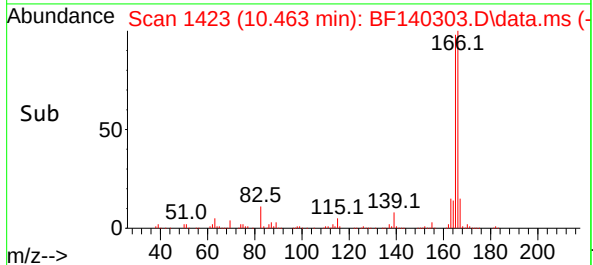
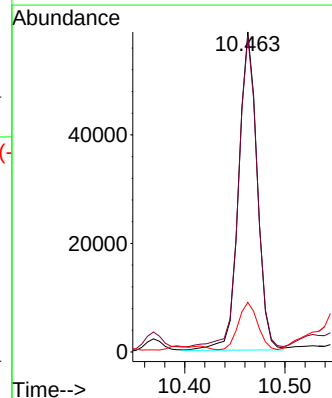
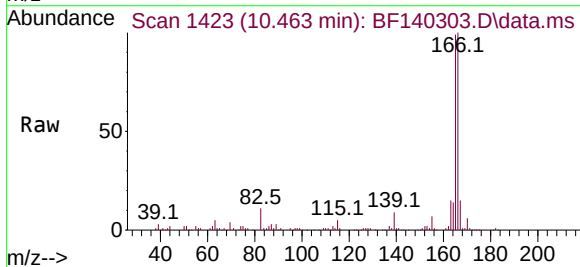
RT: 10.463 min Scan# 1423

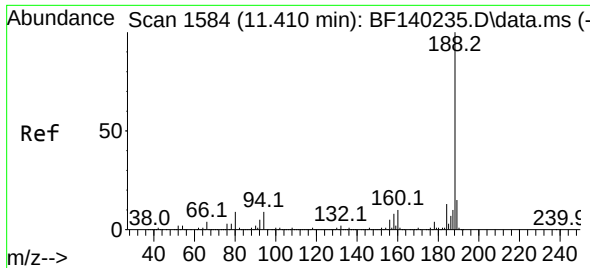
Delta R.T. -0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

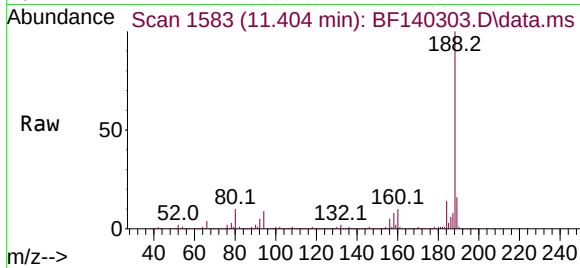
Tgt Ion:166	Resp:	75439
Ion Ratio	Lower	Upper
166	100	
165	98.6	78.7 118.1
167	15.5	10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

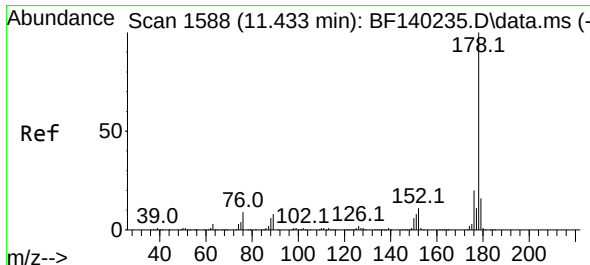
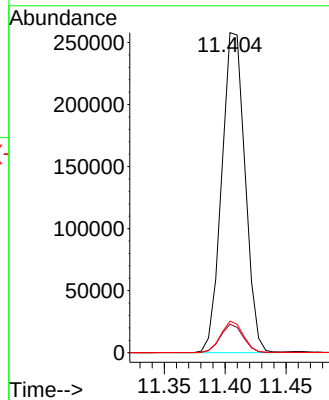
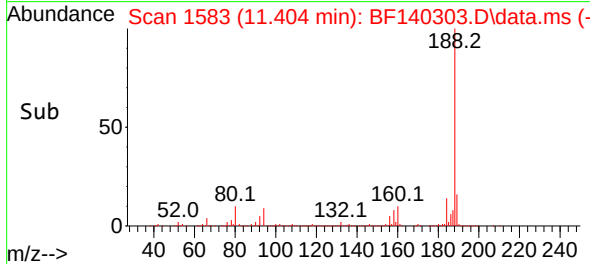
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



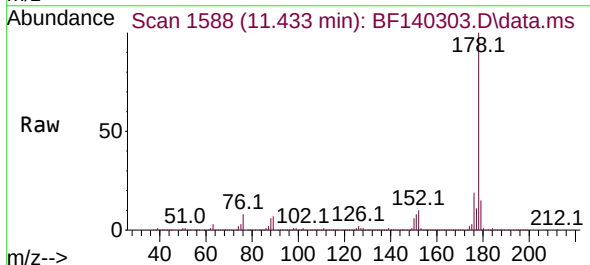
Tgt Ion:188 Resp: 34393
Ion Ratio Lower Upper
188 100
94 8.9 6.9 10.3
80 9.8 7.5 11.3

Manual Integrations
APPROVED

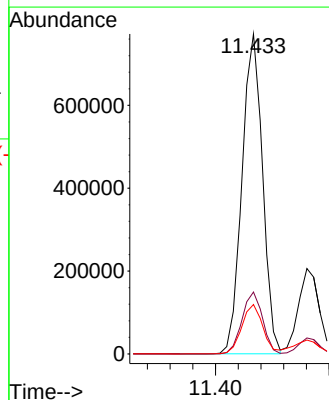
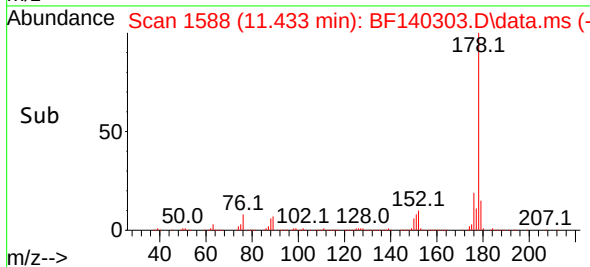
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

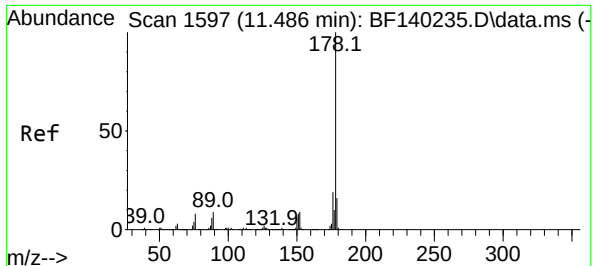


#71
Phenanthrene
Concen: 58.965 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10



Tgt Ion:178 Resp: 967820
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.4 12.6 18.8





#72

Anthracene

Concen: 16.309 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

Tgt Ion:178 Resp: 262480

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

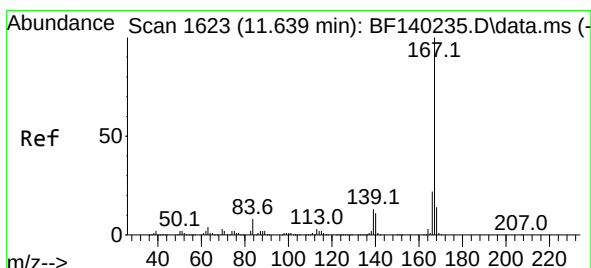
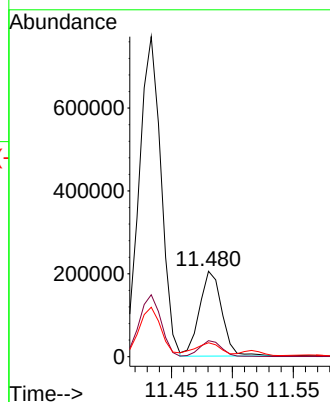
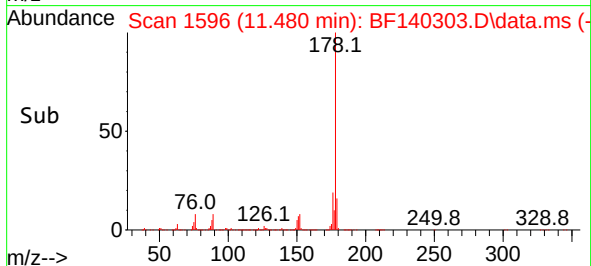
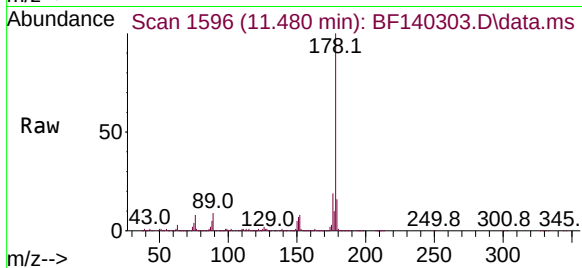
179 16.3 12.7 19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#73

Carbazole

Concen: 5.984 ng

RT: 11.633 min Scan# 1622

Delta R.T. -0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

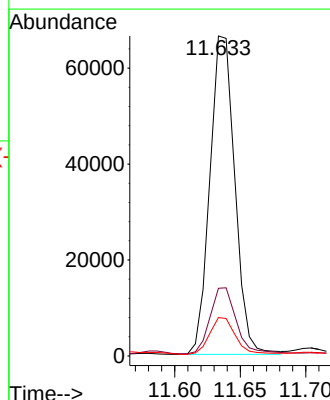
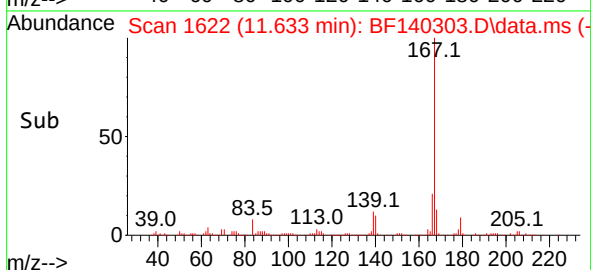
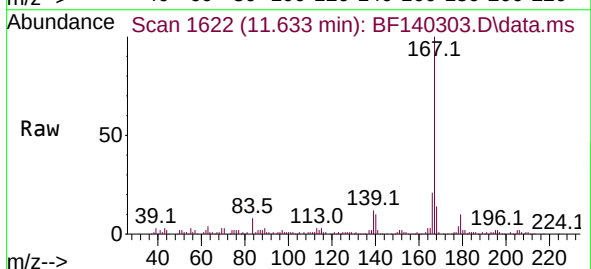
Tgt Ion:167 Resp: 88007

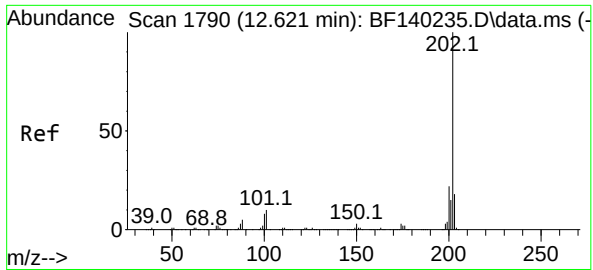
Ion Ratio Lower Upper

167 100

166 21.2 17.3 25.9

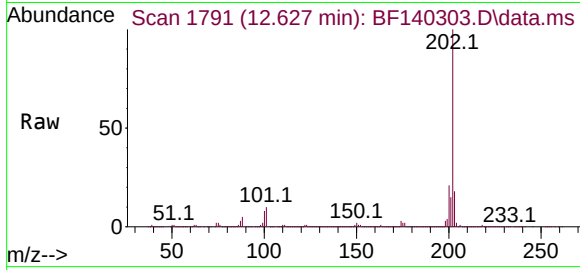
139 12.0 10.7 16.1





#75
Fluoranthene
Concen: 81.289 ng
RT: 12.627 min Scan# 1790
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

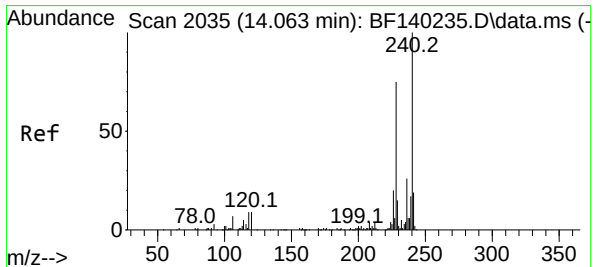
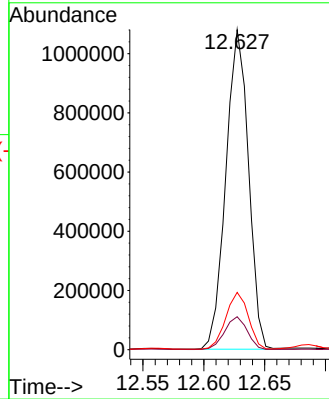
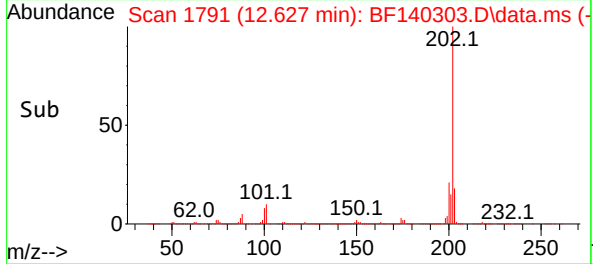
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)



Tgt Ion:202 Resp: 1395120
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.4
203 17.9 0.0 38.0

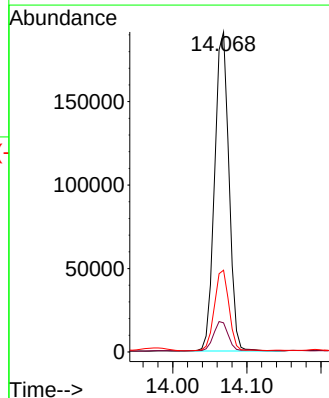
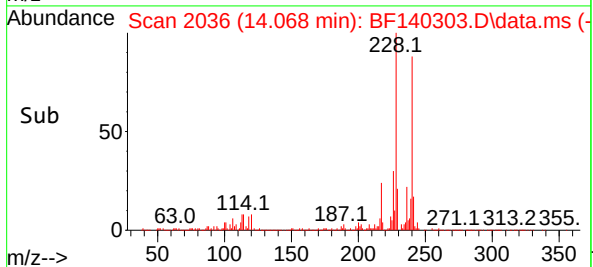
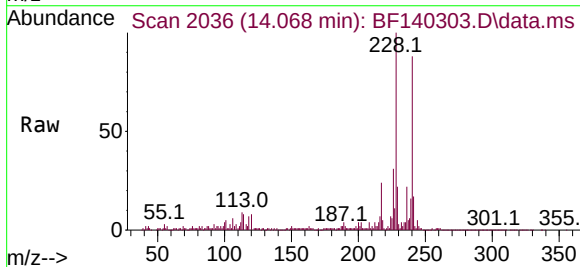
Manual Integrations
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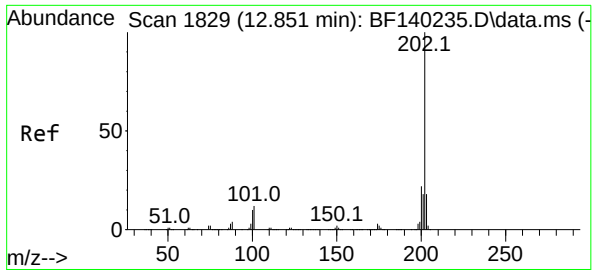
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

Tgt Ion:240 Resp: 256443
Ion Ratio Lower Upper
240 100
120 9.1 7.5 11.3
236 25.6 20.9 31.3





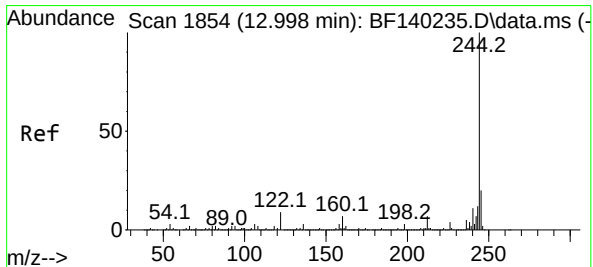
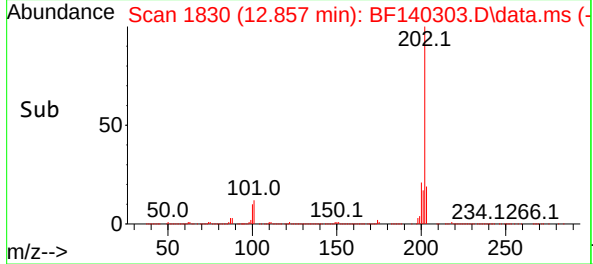
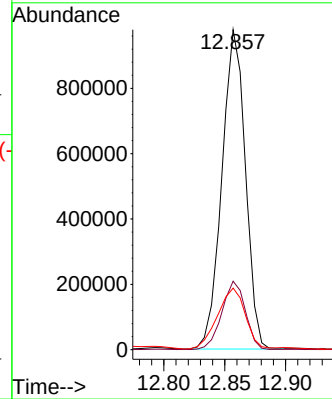
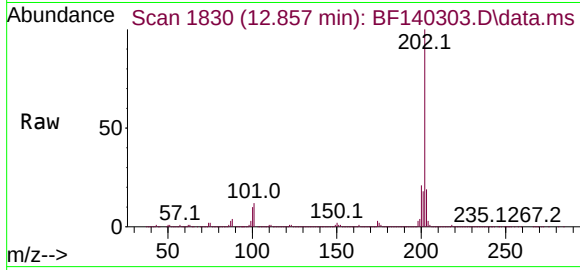
#78
Pyrene
Concen: 62.039 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

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

Tgt Ion:202 Resp: 1313608
Ion Ratio Lower Upper
202 100
200 21.4 17.5 26.3
203 19.3 14.4 21.6

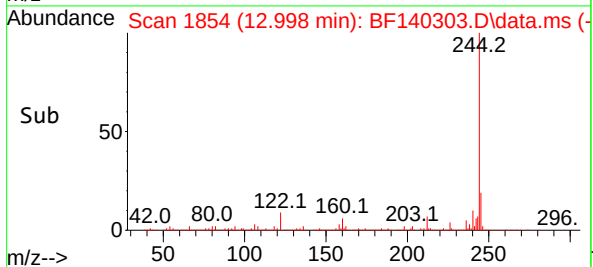
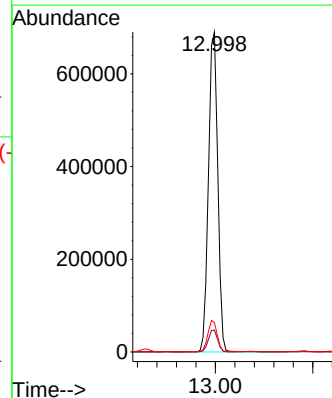
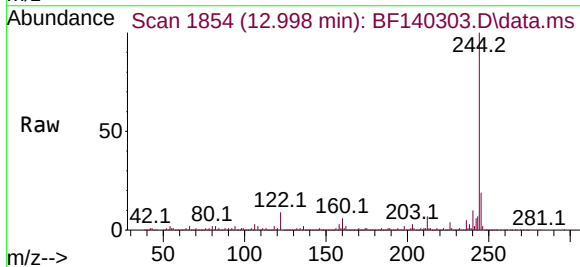
Manual Integrations
APPROVED

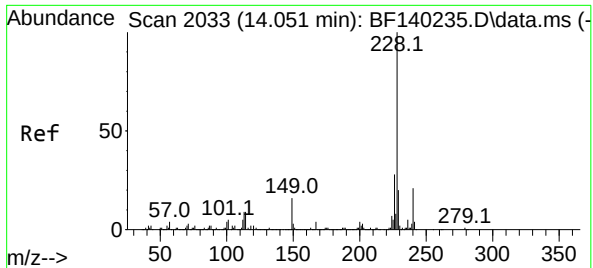
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#79
Terphenyl-d14
Concen: 58.294 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

Tgt Ion:244 Resp: 912564
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.2 7.6 11.4





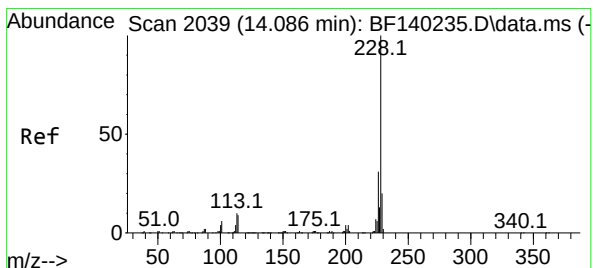
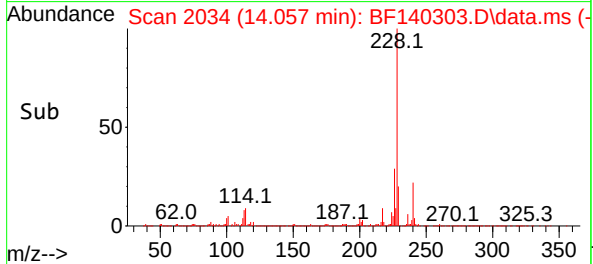
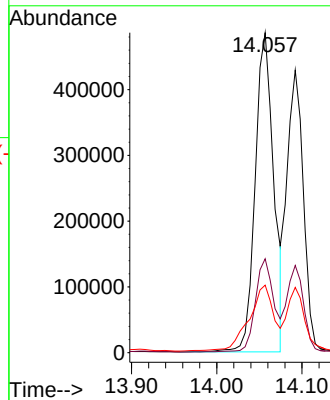
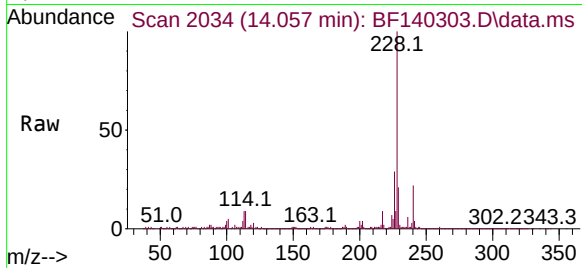
#81
Benzo(a)anthracene
Concen: 44.624 ng
RT: 14.057 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

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

Tgt Ion:228 Resp: 734398
Ion Ratio Lower Upper
228 100
226 29.4 22.3 33.5
229 21.1 16.1 24.1

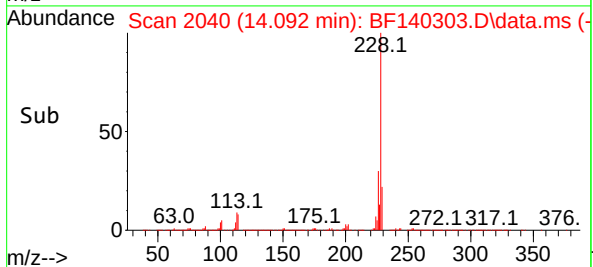
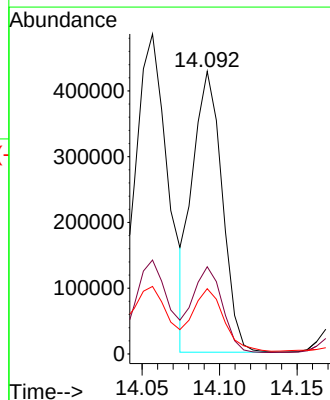
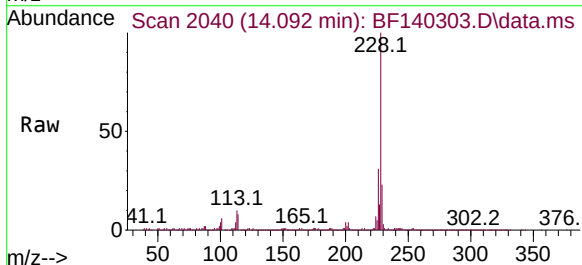
Manual Integrations
APPROVED

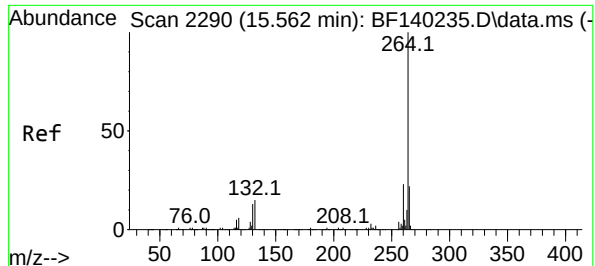
Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024



#83
Chrysene
Concen: 36.784 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.006 min
Lab File: BF140303.D
Acq: 08 Nov 2024 17:10

Tgt Ion:228 Resp: 566900
Ion Ratio Lower Upper
228 100
226 30.9 24.6 36.8
229 23.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

Tgt Ion:264 Resp: 206534

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

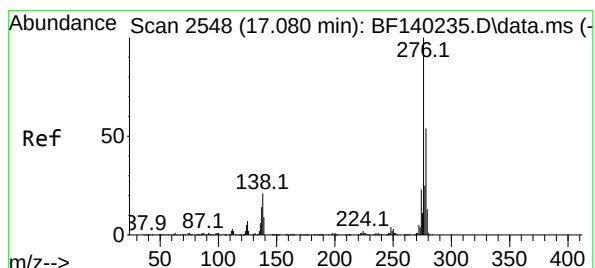
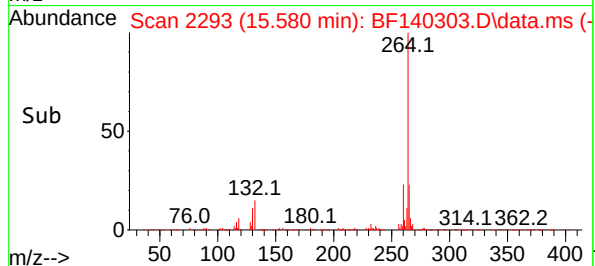
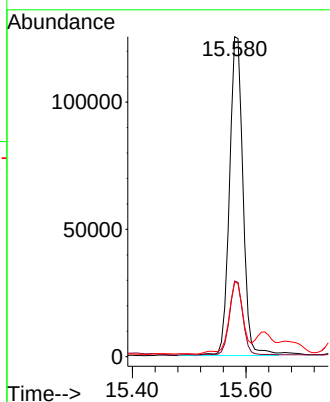
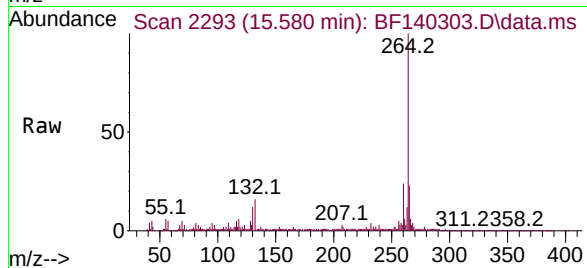
265 23.4 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.940 ng

RT: 17.098 min Scan# 2551

Delta R.T. 0.018 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

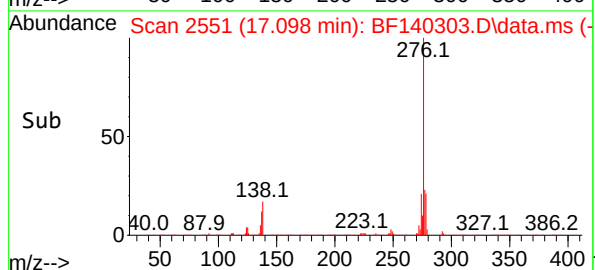
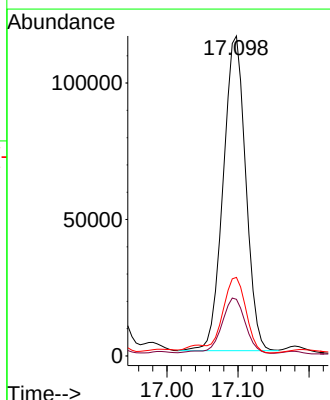
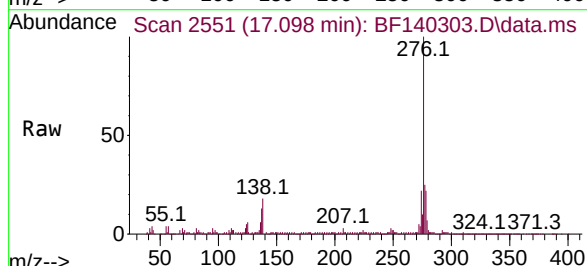
Tgt Ion:276 Resp: 253871

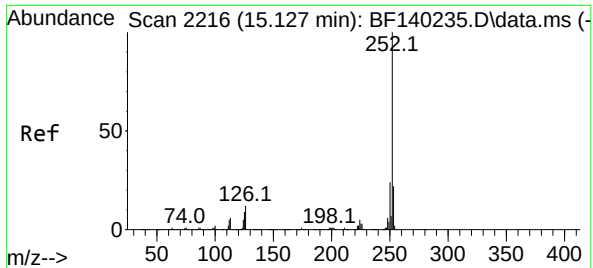
Ion Ratio Lower Upper

276 100

138 18.6 17.6 26.4

277 24.3 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 53.918 ng m

RT: 15.145 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

Tgt Ion:252 Resp: 67358

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

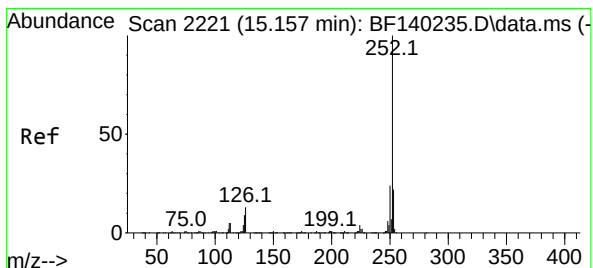
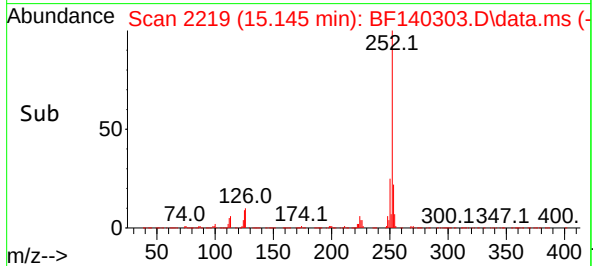
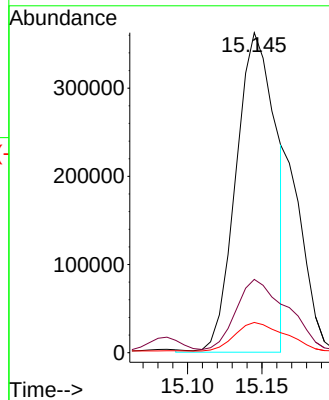
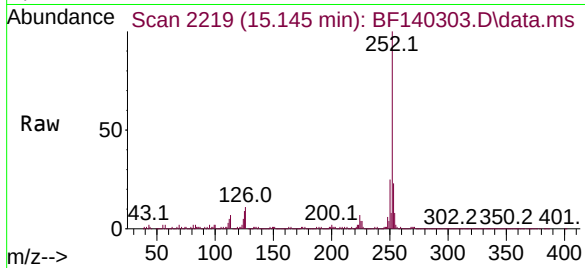
125 9.5 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#89

Benzo(k)fluoranthene

Concen: 16.832 ng m

RT: 15.163 min Scan# 2222

Delta R.T. 0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

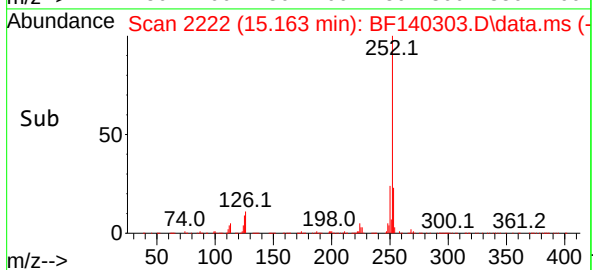
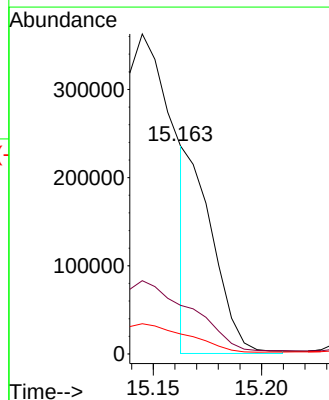
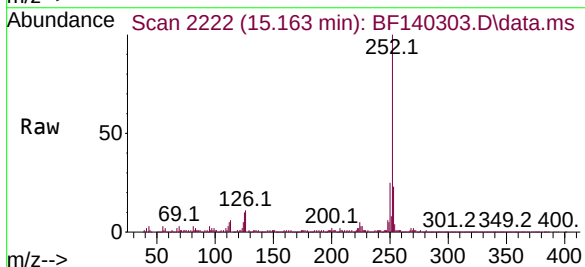
Tgt Ion:252 Resp: 192954

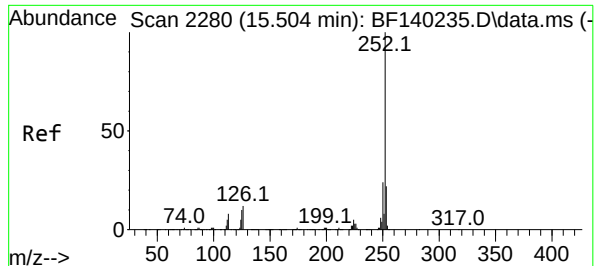
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 9.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 43.121 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)

Tgt Ion:252 Resp: 44414

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

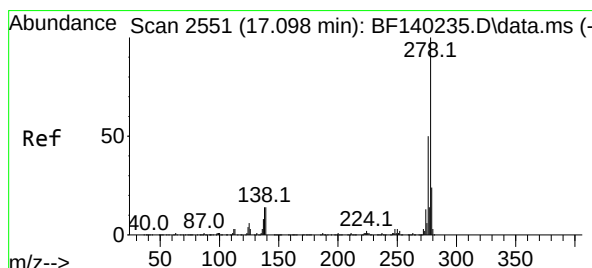
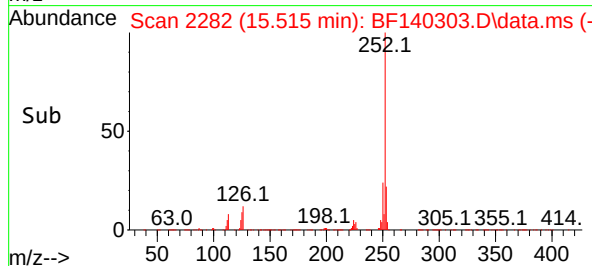
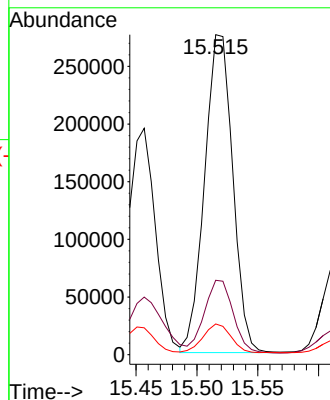
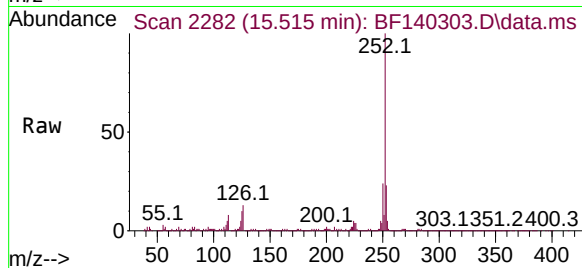
125 9.6 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



#91

Dibenzo(a,h)anthracene

Concen: 7.071 ng m

RT: 17.104 min Scan# 2552

Delta R.T. 0.006 min

Lab File: BF140303.D

Acq: 08 Nov 2024 17:10

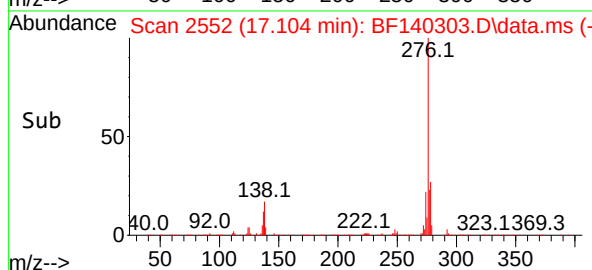
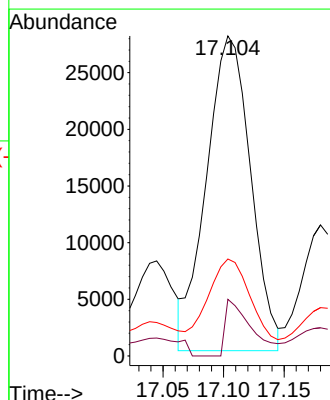
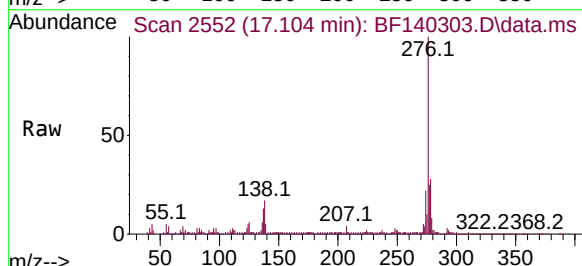
Tgt Ion:278 Resp: 70531

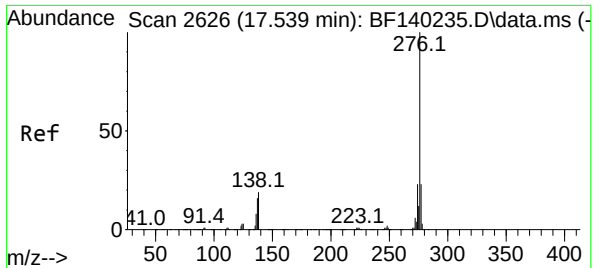
Ion Ratio Lower Upper

278 100

139 17.7 11.1 16.7#

279 30.3 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 25.156 ng

RT: 17.557 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF140303.D

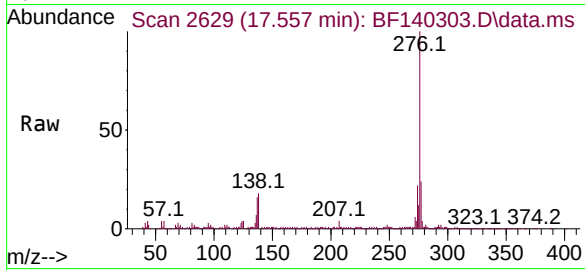
Acq: 08 Nov 2024 17:10

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)



Tgt Ion:276 Resp: 255958

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

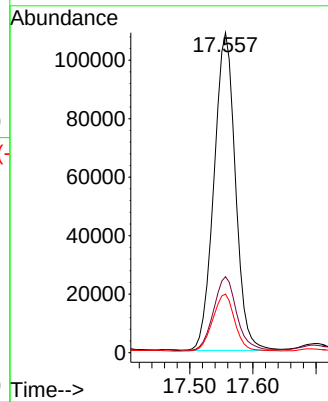
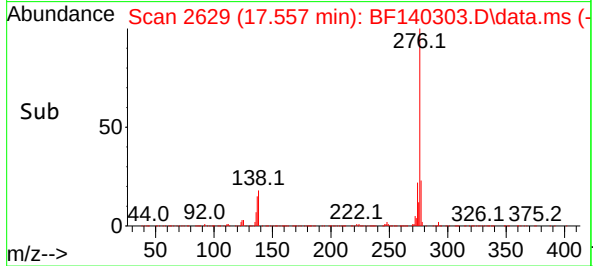
138 18.3 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140303.D
 Acq On : 08 Nov 2024 17:10
 Operator : RC/JU
 Sample : P4722-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140303.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	3	10	19	rVB	1602467	2533229	76.97%	5.074%
2	2.263	24	29	47	rVB3	25627	57843	1.76%	0.116%
3	5.098	501	511	518	rVB	65278	103299	3.14%	0.207%
4	5.493	569	578	584	rBV	1837273	2512833	76.35%	5.034%
5	6.498	743	749	768	rVB	1888245	2593049	78.79%	5.194%
6	6.875	808	813	818	rBV	574931	702778	21.35%	1.408%
7	7.434	899	908	913	rBV	1269905	1669105	50.72%	3.343%
8	7.687	946	951	957	rVB	61571	76727	2.33%	0.154%
9	8.157	1024	1031	1039	rBV2	719228	1082884	32.90%	2.169%
10	8.369	1063	1067	1071	rBV	28806	41119	1.25%	0.082%
11	8.869	1147	1152	1157	rBB	81298	98661	3.00%	0.198%
12	8.969	1165	1169	1177	rVB	72912	93910	2.85%	0.188%
13	9.234	1208	1214	1219	rBV	2261667	2860329	86.91%	5.730%
14	9.334	1228	1231	1236	rVB	29500	37174	1.13%	0.074%
15	9.498	1253	1259	1264	rBV	42798	67983	2.07%	0.136%
16	9.569	1266	1271	1274	rBV	75993	107604	3.27%	0.216%
17	9.598	1274	1276	1279	rVB	34010	34149	1.04%	0.068%
18	9.686	1286	1291	1300	rVB2	31397	63305	1.92%	0.127%
19	9.775	1301	1306	1311	rBV	120714	151375	4.60%	0.303%
20	9.916	1322	1330	1333	rBV	731217	971803	29.53%	1.947%
21	9.945	1333	1335	1339	rVB	261506	289374	8.79%	0.580%
22	10.069	1351	1356	1360	rBV2	24742	37512	1.14%	0.075%
23	10.116	1360	1364	1368	rBV	144746	187620	5.70%	0.376%
24	10.157	1368	1371	1379	rVB	33120	44598	1.36%	0.089%
25	10.228	1379	1383	1386	rBV2	34780	49296	1.50%	0.099%
26	10.263	1386	1389	1394	rVB2	25423	33053	1.00%	0.066%
27	10.322	1394	1399	1400	rBV	32004	42000	1.28%	0.084%
28	10.463	1418	1423	1428	rVB	198640	258998	7.87%	0.519%
29	10.528	1428	1434	1436	rBV	39011	69563	2.11%	0.139%
30	10.628	1446	1451	1456	rVB2	215825	300332	9.13%	0.602%
31	10.704	1458	1464	1469	rBV	1254742	1610195	48.93%	3.225%
32	10.828	1479	1485	1491	rVB4	63251	109035	3.31%	0.218%
33	11.010	1510	1516	1519	rBV4	59343	117199	3.56%	0.235%
34	11.139	1533	1538	1540	rBV3	57679	85665	2.60%	0.172%
35	11.210	1546	1550	1554	rVB	93573	115615	3.51%	0.232%
36	11.257	1554	1558	1562	rVV2	60646	110287	3.35%	0.221%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140303.D
 Acq On : 08 Nov 2024 17:10
 Operator : RC/JU
 Sample : P4722-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.304	1562	1566	1571	rVB	106119	147549	4.48%	0.296%
38	11.410	1578	1584	1585	rBV	648215	871112	26.47%	1.745%
39	11.433	1585	1588	1592	rVV	1804341	2234361	67.89%	4.476%
40	11.480	1592	1596	1600	rVV	467681	621928	18.90%	1.246%
41	11.516	1600	1602	1607	rVB	55206	65020	1.98%	0.130%
42	11.633	1616	1622	1630	rBV2	165237	307399	9.34%	0.616%
43	11.698	1630	1633	1637	rVV3	58586	87907	2.67%	0.176%
44	11.739	1637	1640	1644	rVB4	40704	54044	1.64%	0.108%
45	11.910	1664	1669	1670	rBV	220624	263867	8.02%	0.529%
46	11.933	1670	1673	1678	rVV2	548097	755746	22.96%	1.514%
47	11.986	1678	1682	1684	rVV	127842	172016	5.23%	0.345%
48	12.022	1684	1688	1696	rVB	382096	701887	21.33%	1.406%
49	12.110	1696	1703	1706	rBV6	51708	116813	3.55%	0.234%
50	12.204	1715	1719	1722	rBV	153830	215167	6.54%	0.431%
51	12.357	1741	1745	1747	rBV	51255	64654	1.96%	0.130%
52	12.463	1758	1763	1766	rBV	146941	237022	7.20%	0.475%
53	12.498	1766	1769	1774	rVV3	105809	194683	5.92%	0.390%
54	12.545	1774	1777	1783	rVB	147709	211429	6.42%	0.424%
55	12.627	1785	1791	1796	rBV	2427133	3143779	95.53%	6.297%
56	12.686	1796	1801	1804	rVV2	42271	73193	2.22%	0.147%
57	12.716	1804	1806	1809	rVB	56784	60366	1.83%	0.121%
58	12.804	1819	1821	1823	rVB	65465	52044	1.58%	0.104%
59	12.857	1823	1830	1835	rVB	2184075	3291037	100.00%	6.592%
60	12.904	1835	1838	1844	rVB2	118690	168873	5.13%	0.338%
61	12.998	1845	1854	1861	rBV	1799984	2790706	84.80%	5.590%
62	13.069	1861	1866	1871	rBV3	192575	387076	11.76%	0.775%
63	13.180	1877	1885	1889	rVB2	259189	508851	15.46%	1.019%
64	13.251	1894	1897	1899	rVV2	105391	114957	3.49%	0.230%
65	13.286	1899	1903	1907	rVV2	219038	277935	8.45%	0.557%
66	13.380	1916	1919	1921	rBV	107439	118835	3.61%	0.238%
67	13.410	1921	1924	1928	rVB2	114205	144088	4.38%	0.289%
68	13.569	1947	1951	1960	rBV8	89665	269528	8.19%	0.540%
69	13.692	1968	1972	1977	rVB	241794	324043	9.85%	0.649%
70	13.804	1987	1991	1994	rBV2	204381	324225	9.85%	0.649%
71	13.833	1994	1996	1999	rVV	88881	114044	3.47%	0.228%
72	13.904	2004	2008	2014	rVB3	387821	601116	18.27%	1.204%
73	14.057	2028	2034	2038	rBV2	1511037	2762996	83.96%	5.535%
74	14.092	2038	2040	2047	rVB	1064169	1296464	39.39%	2.597%
75	14.174	2051	2054	2058	rVV	131301	151199	4.59%	0.303%
76	14.463	2100	2103	2107	rVB	179226	218182	6.63%	0.437%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.145	2213	2219	2228	rBV	929058	2160645	65.65%	4.328%
78	15.251	2234	2237	2241	rVB	153034	194009	5.90%	0.389%
79	15.457	2267	2272	2277	rVB	467781	776755	23.60%	1.556%
80	15.515	2277	2282	2288	rVB	660139	1051185	31.94%	2.106%
81	15.580	2289	2293	2297	rBV	308543	554823	16.86%	1.111%
82	17.098	2545	2551	2560	rVB2	315793	711808	21.63%	1.426%
83	17.557	2623	2629	2646	rVB	262416	636437	19.34%	1.275%

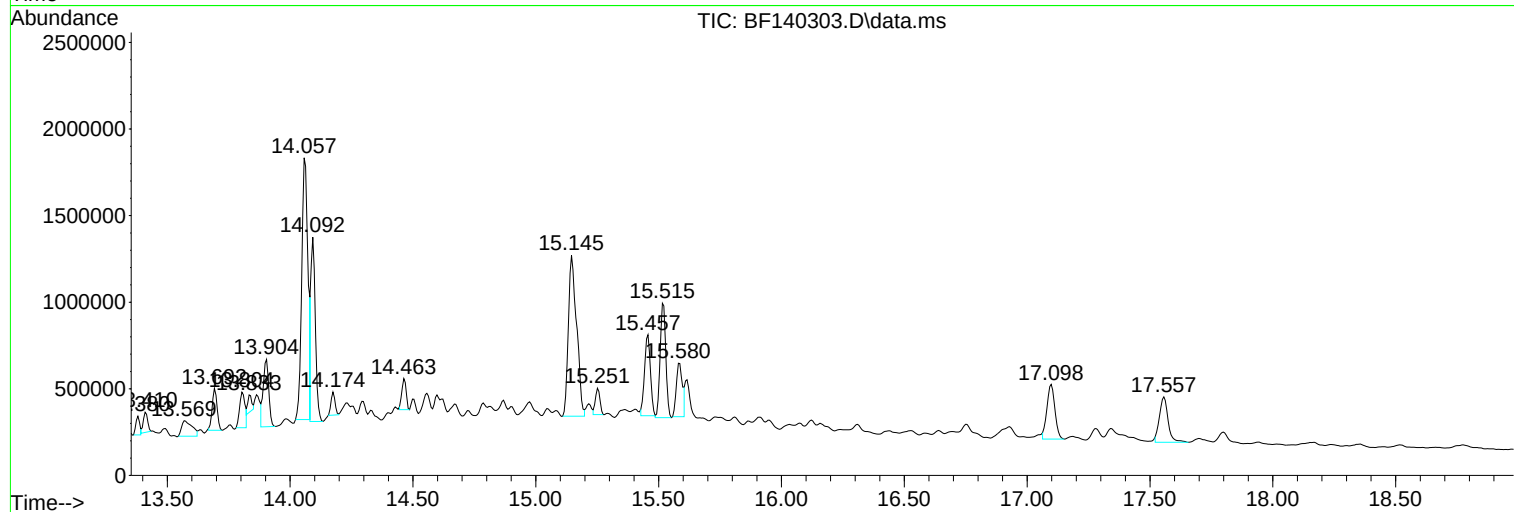
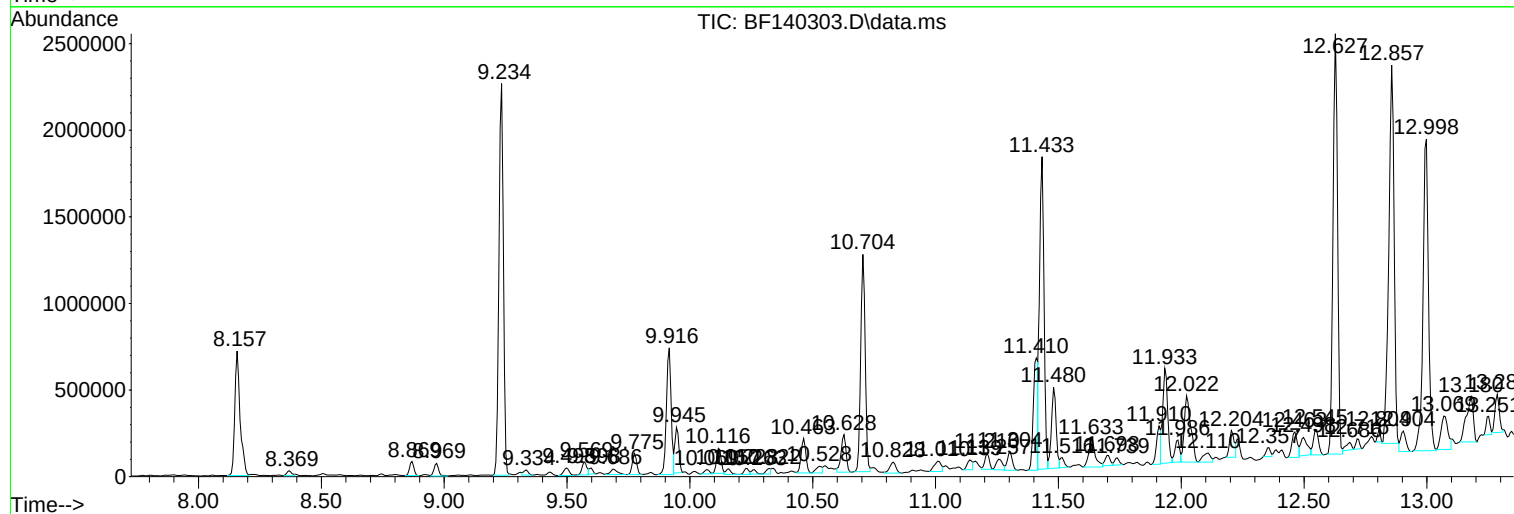
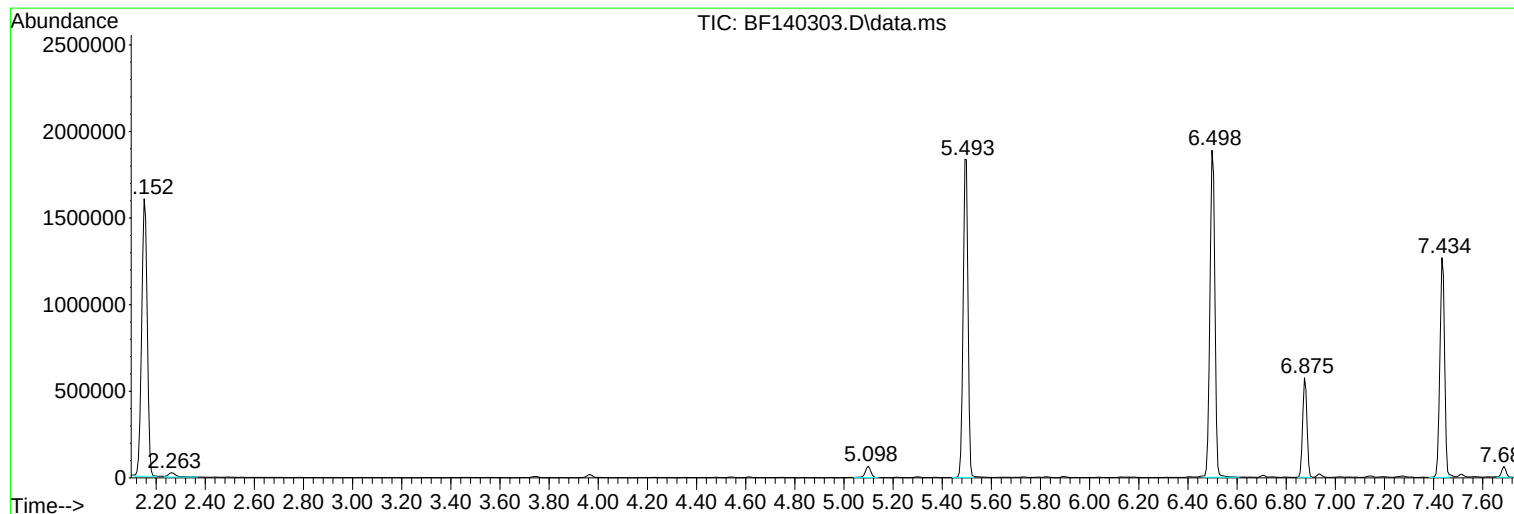
Sum of corrected areas: 49921304

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

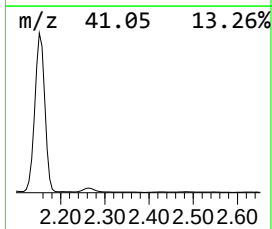
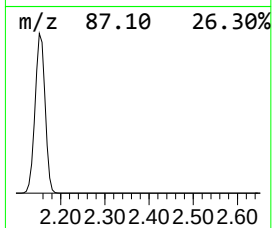
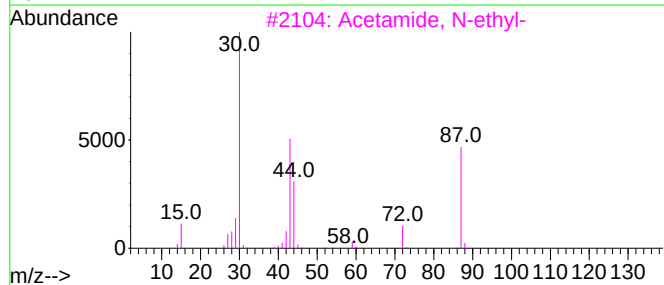
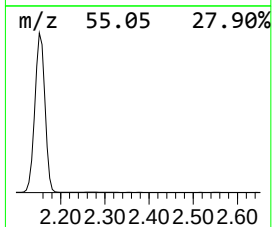
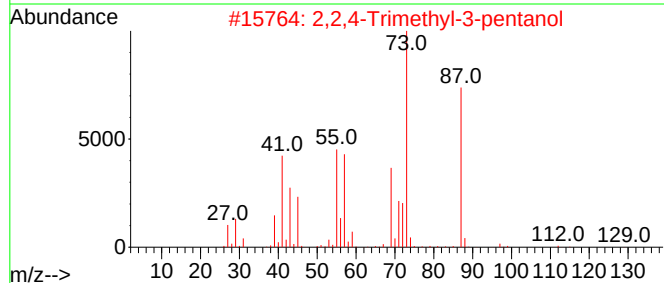
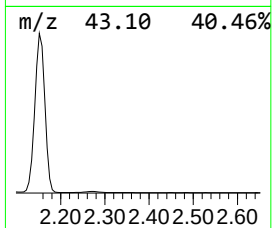
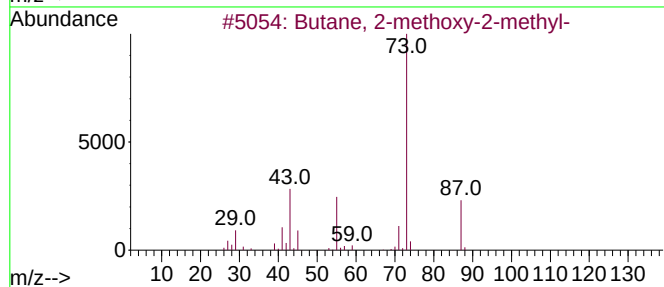
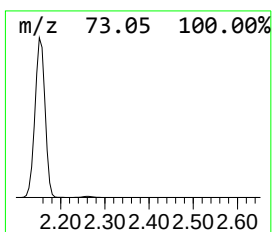
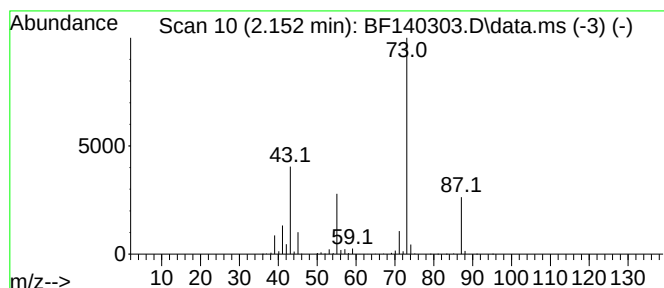
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	72.09 ng	2533230	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
4			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

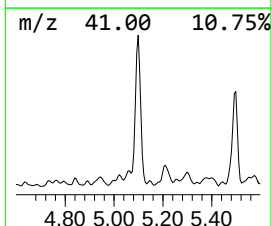
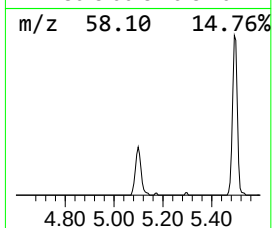
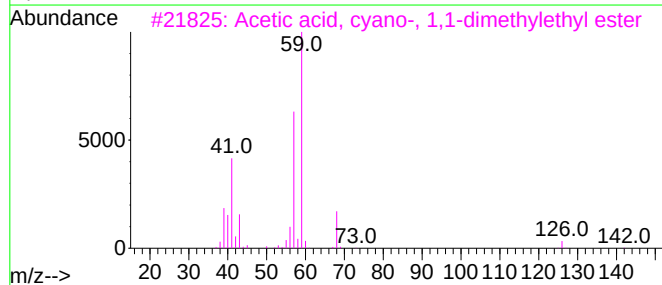
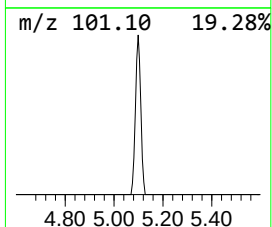
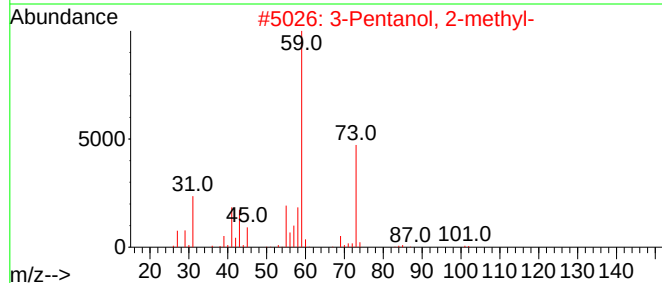
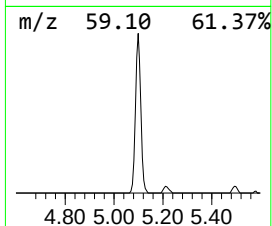
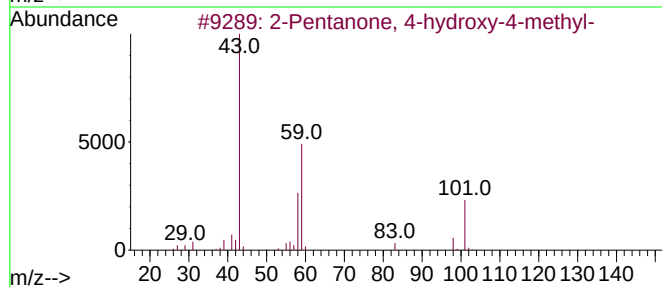
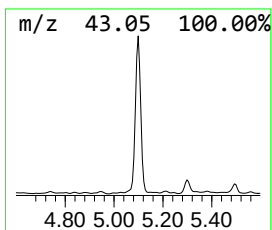
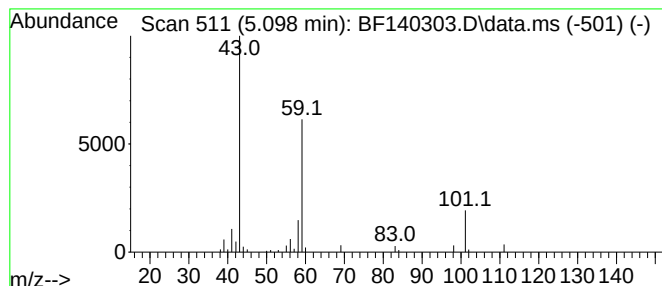
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	2.94 ng	103299	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	25
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5			5-Oxohexanenitrile	111	C6H9NO	010412-98-3	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

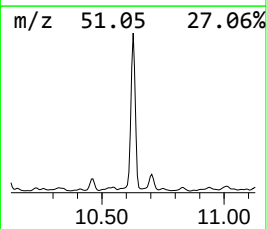
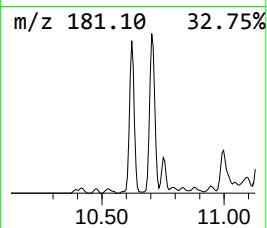
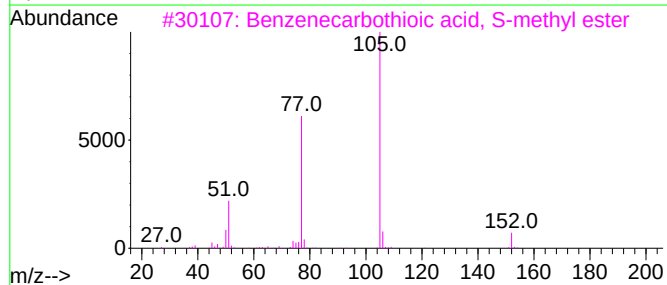
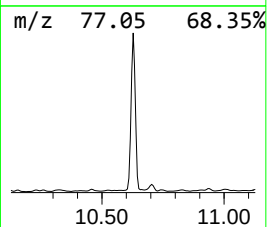
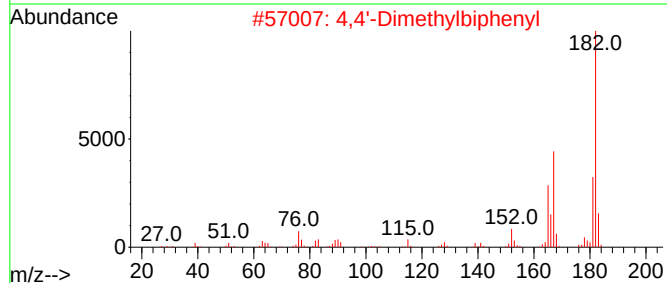
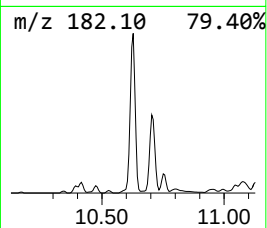
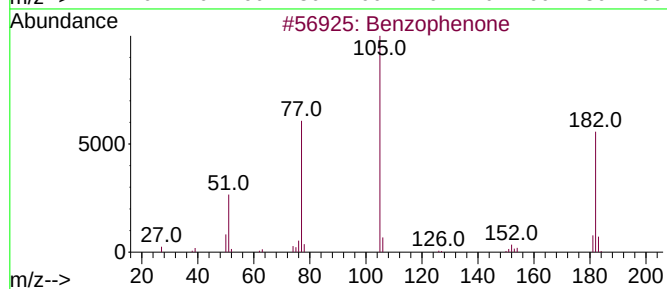
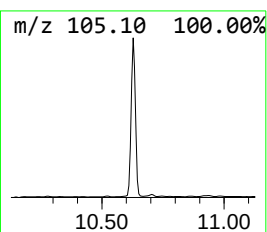
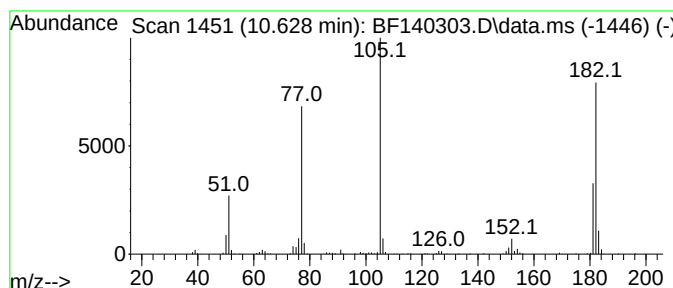
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzophenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	6.18 ng	300332	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	90
2			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	41
4			Glyoxylohydroximoyl chloride, 2-...	183	C8H6ClNO2	004937-87-5	35
5			Methyl benzilate	242	C15H14O3	000076-89-1	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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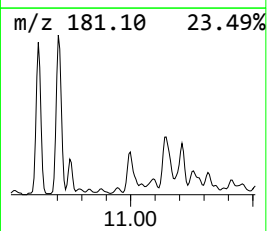
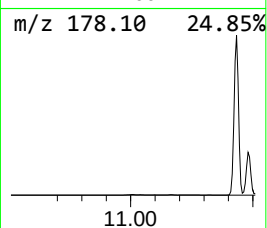
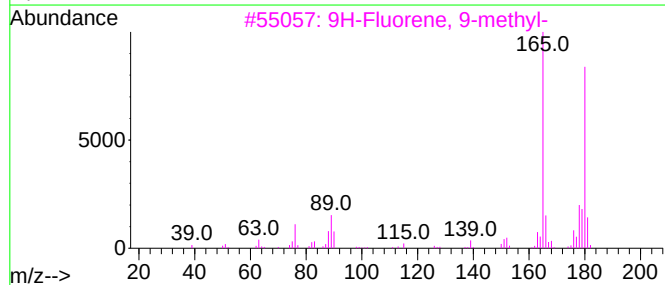
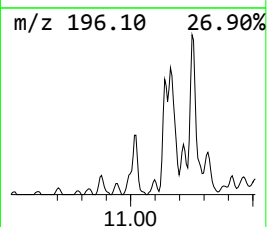
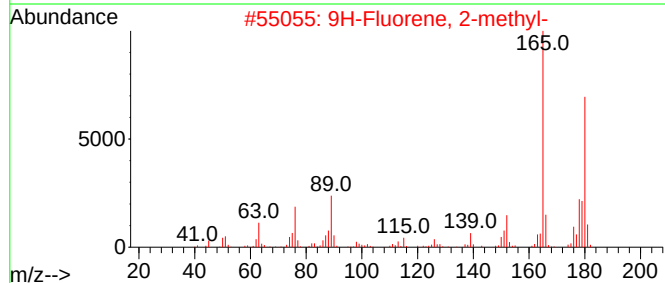
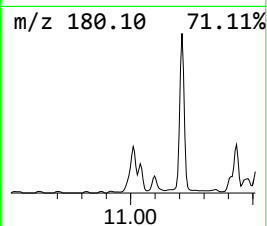
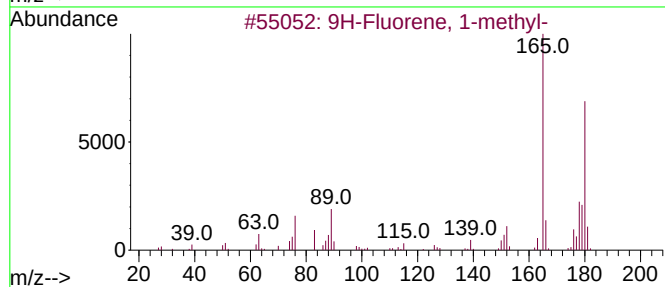
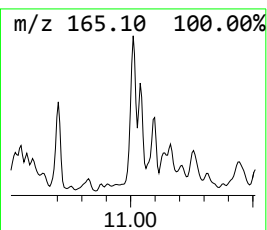
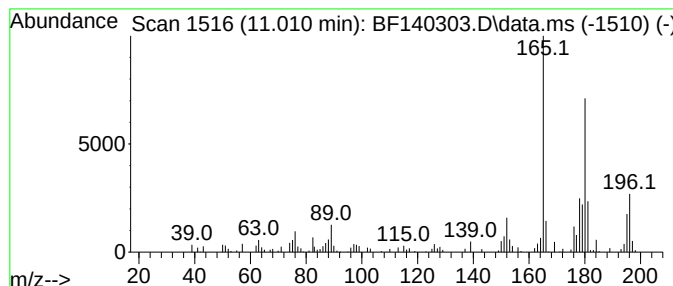
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.010	2.69 ng	117199	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
4		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	58
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
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ALS Vial : 19 Sample Multiplier: 1

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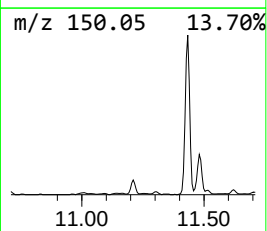
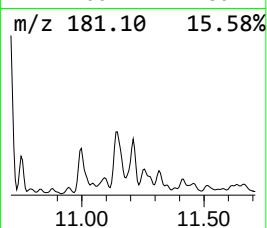
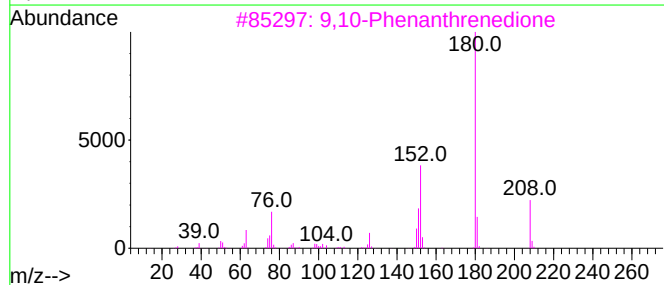
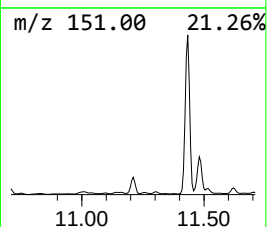
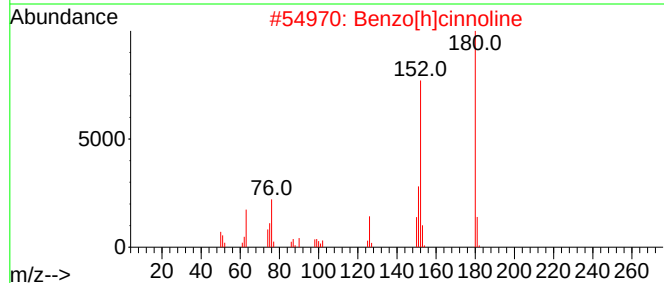
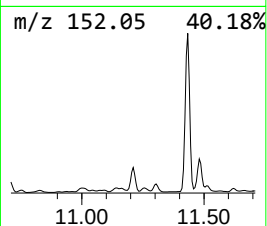
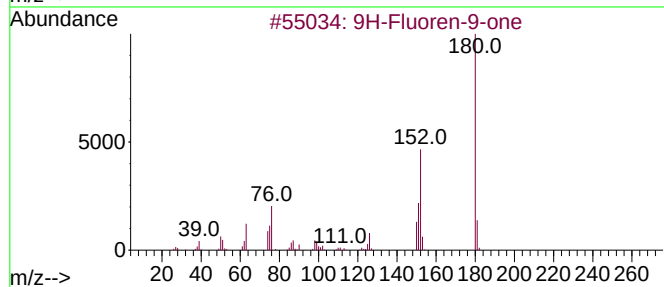
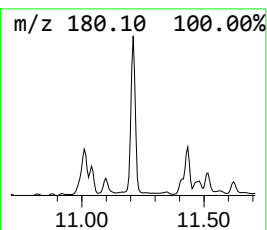
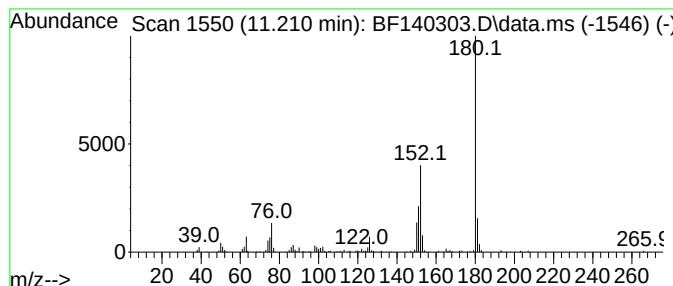
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	2.65 ng	115615	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
5			Diphenic anhydride	224	C14H8O3	006050-13-1	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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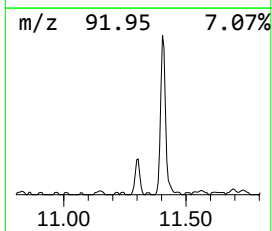
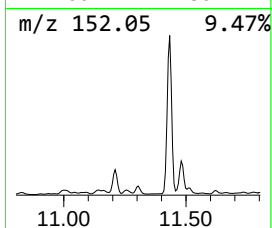
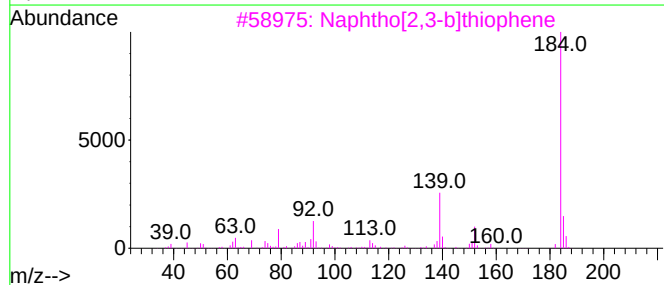
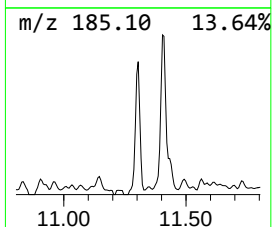
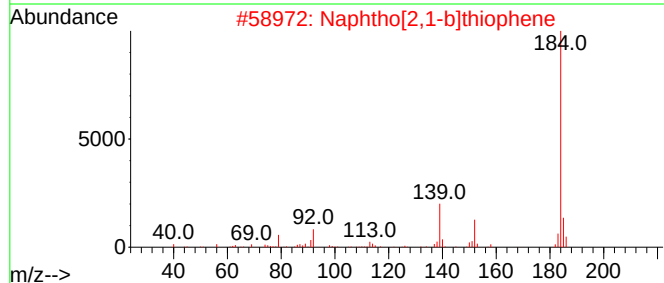
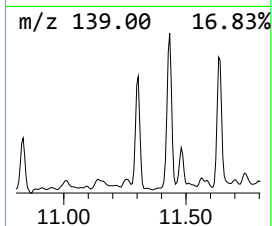
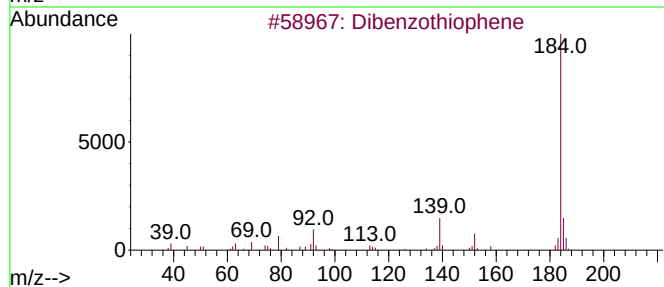
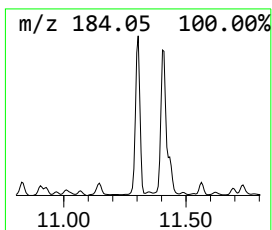
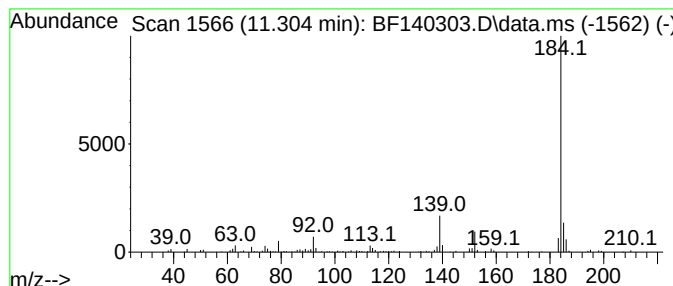
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	3.39 ng	147549	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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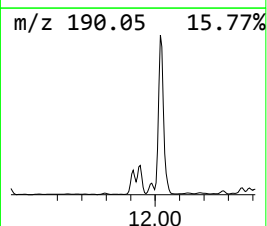
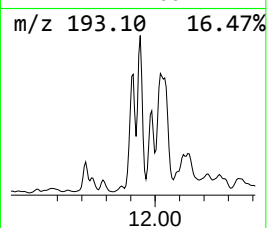
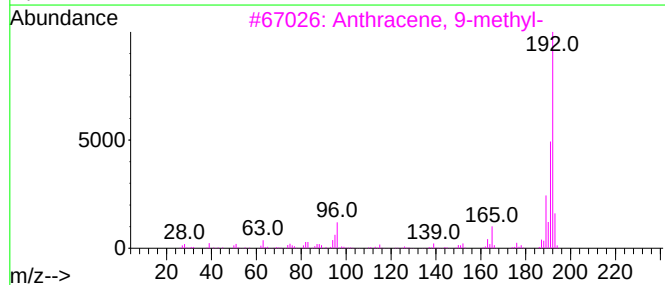
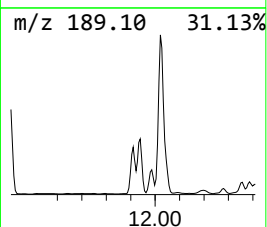
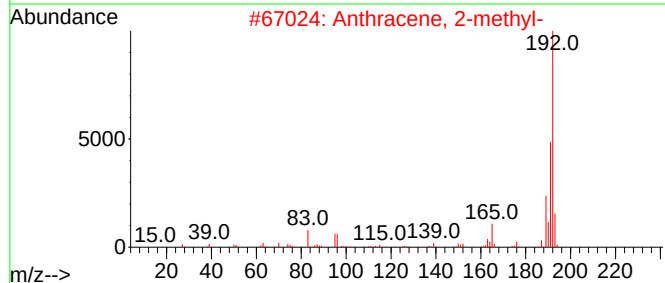
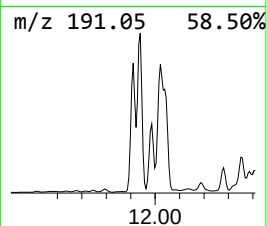
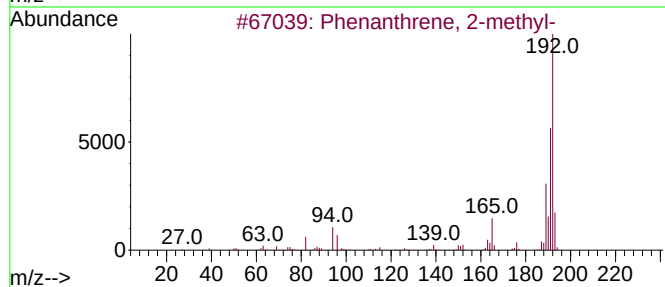
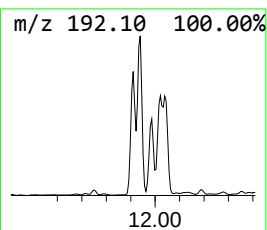
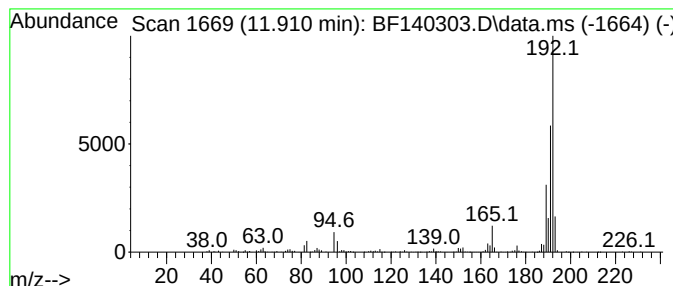
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	6.06 ng	263867	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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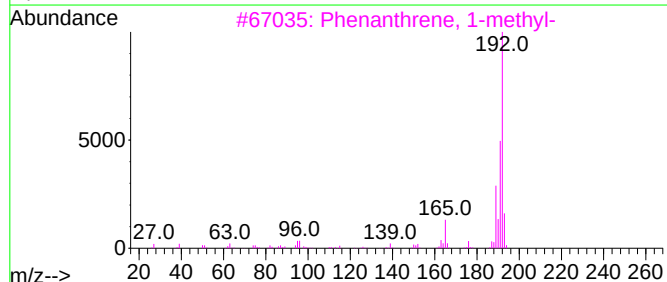
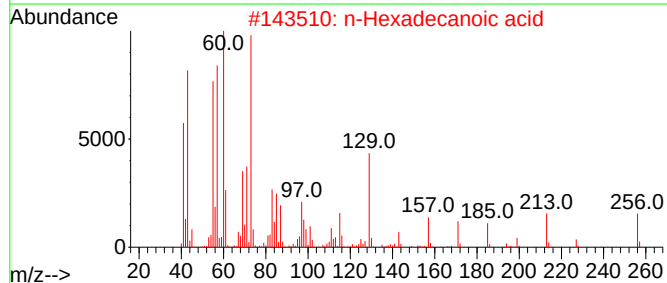
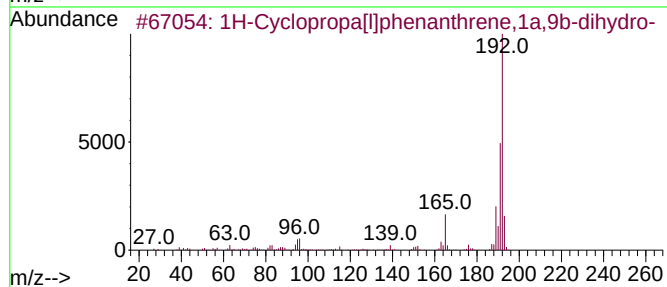
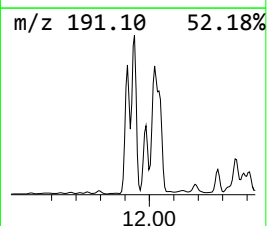
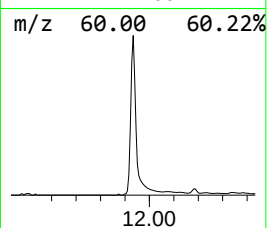
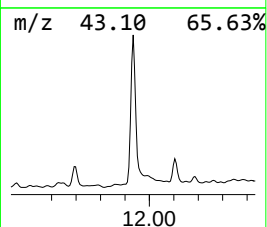
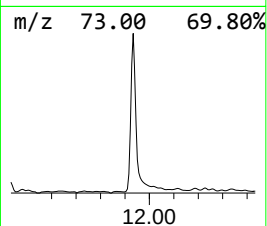
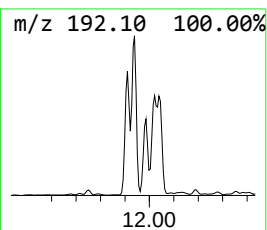
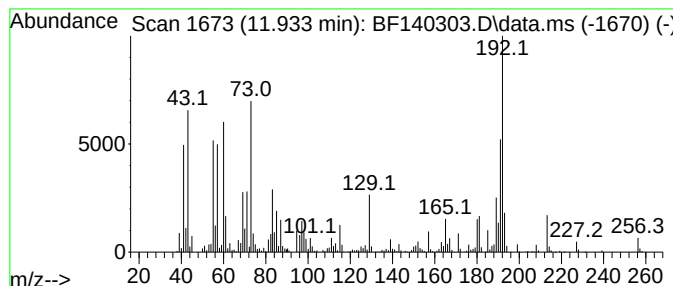
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.933	17.35 ng	755746	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
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ALS Vial : 19 Sample Multiplier: 1

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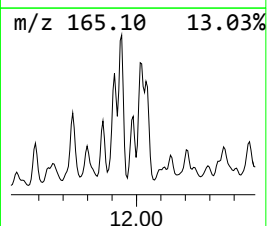
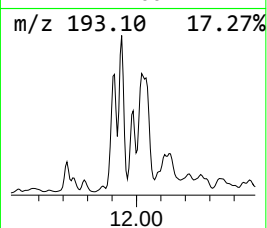
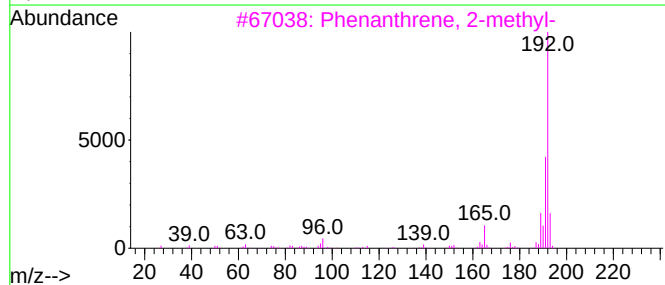
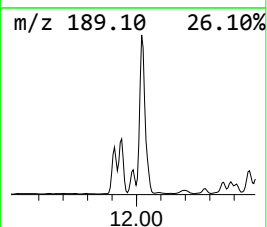
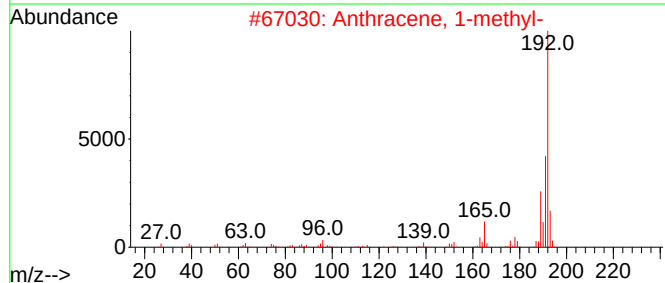
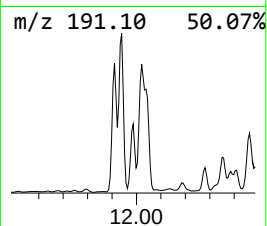
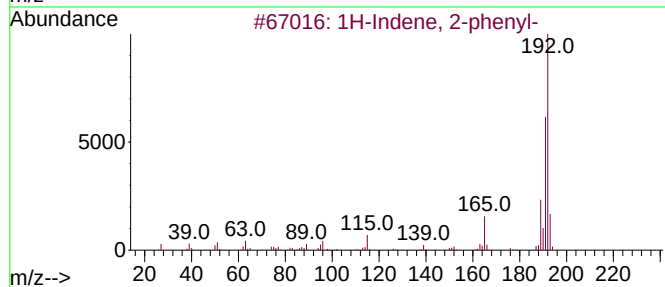
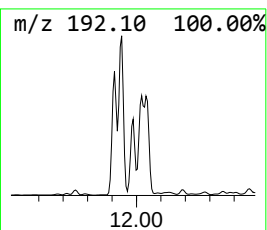
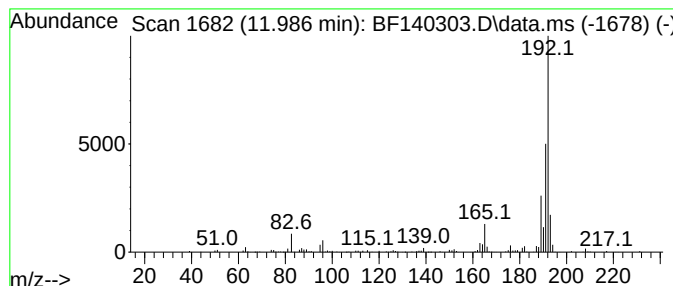
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	3.95 ng	172016	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

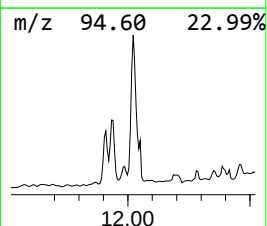
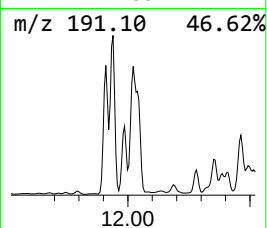
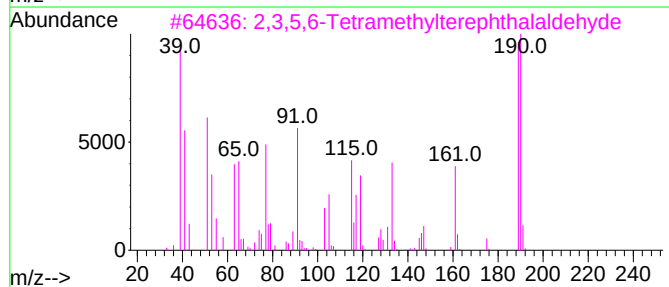
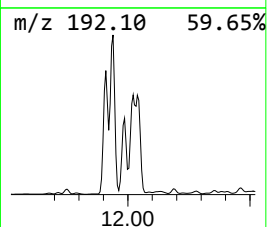
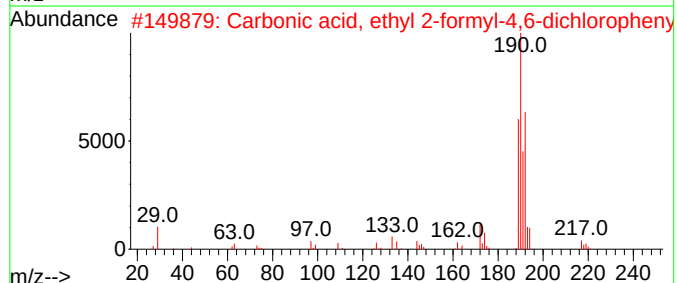
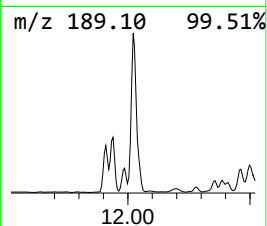
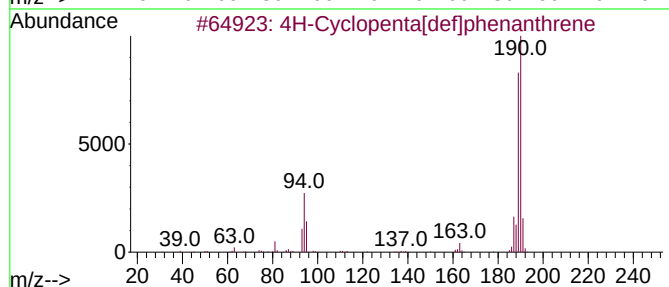
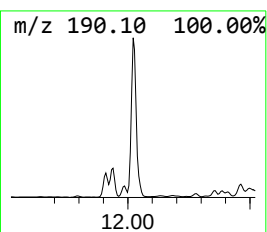
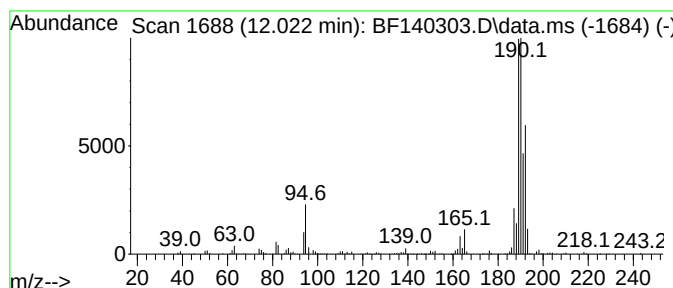
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	16.11 ng	701887	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4			Methyl diselenide	190	C2H6Se2	007101-31-7	41
5			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
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Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

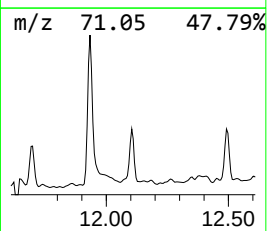
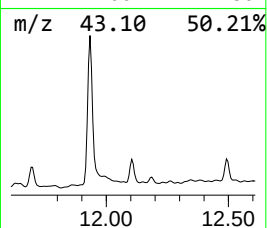
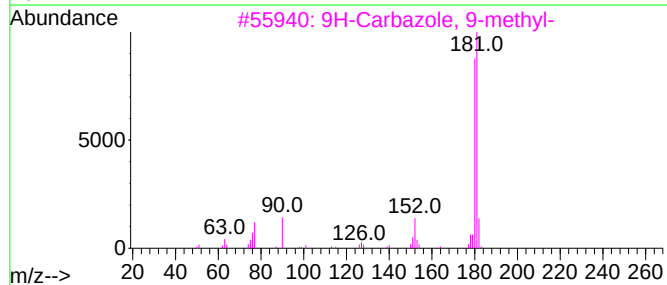
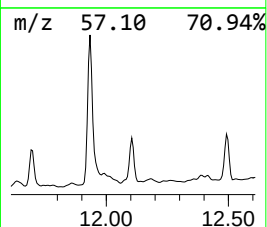
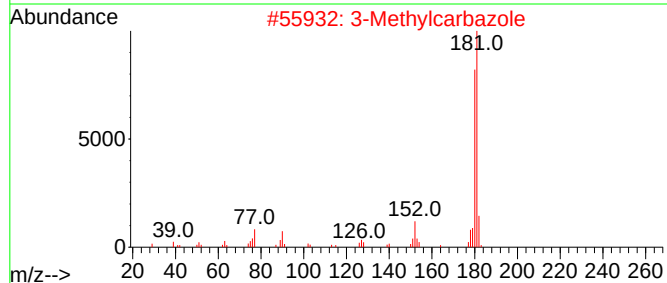
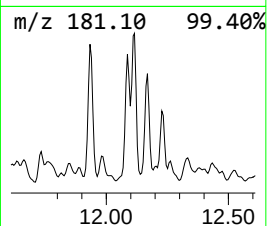
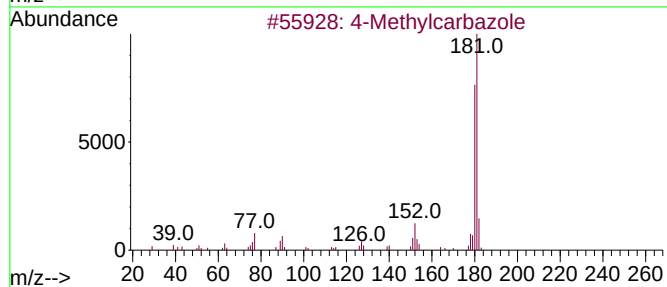
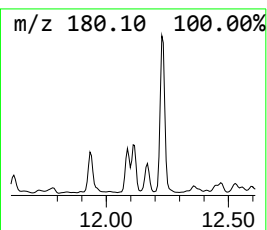
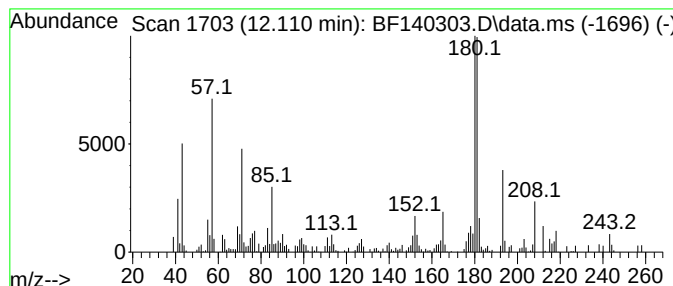
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4-Methylcarbazole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	2.68 ng	116813	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Methylcarbazole	181	C13H11N	003770-48-7	91
2		3-Methylcarbazole	181	C13H11N	004630-20-0	87
3		9H-Carbazole, 9-methyl-	181	C13H11N	001484-12-4	70
4		9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	55
5		1-Aminofluorene	181	C13H11N	006344-63-4	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
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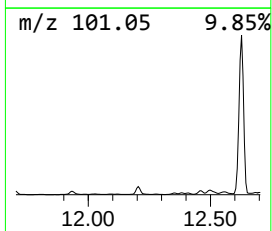
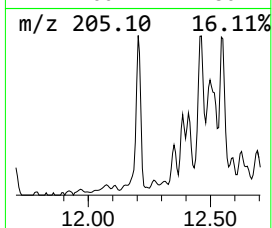
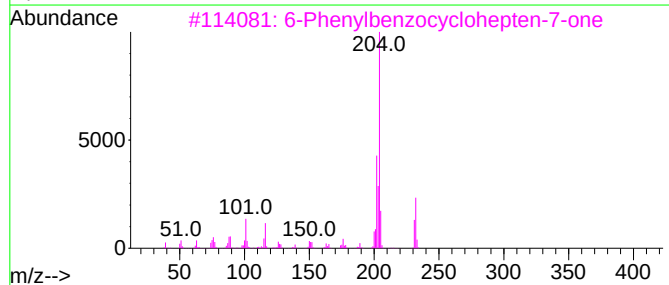
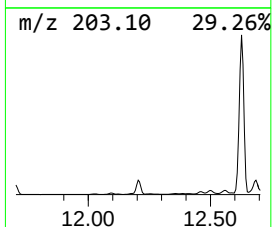
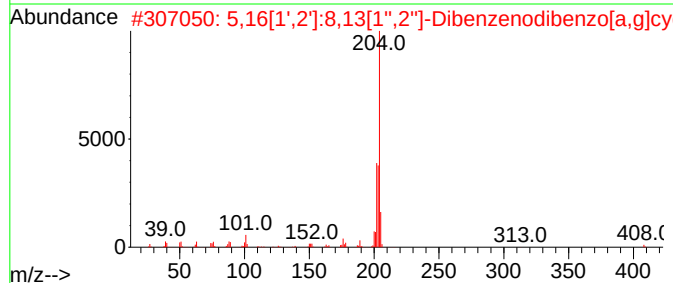
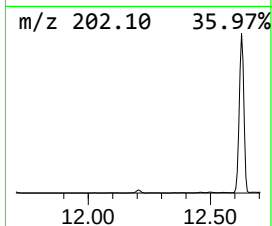
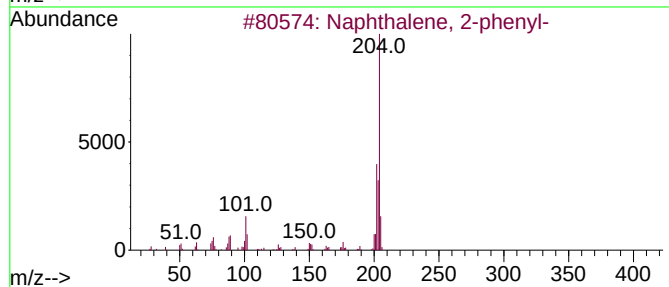
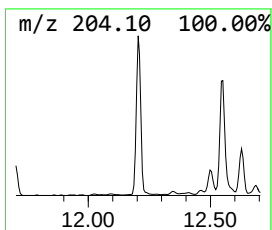
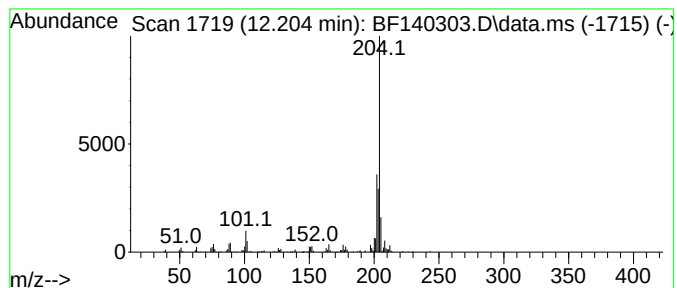
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	4.94 ng	215167	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5			Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

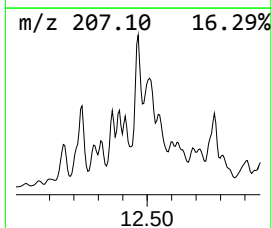
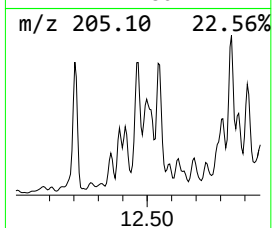
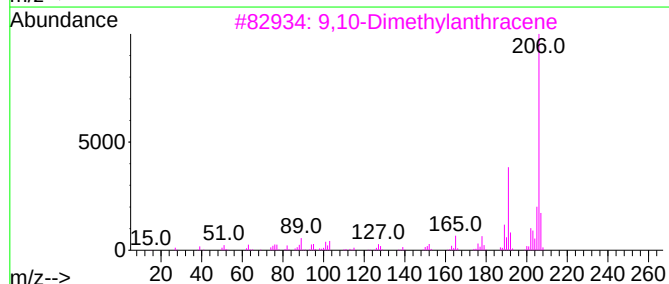
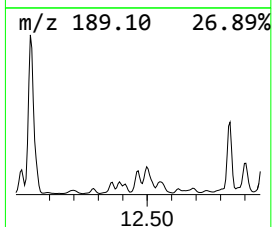
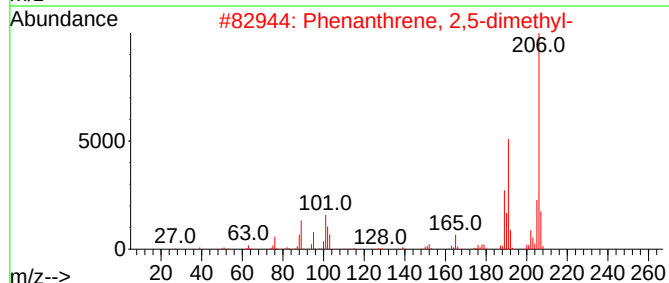
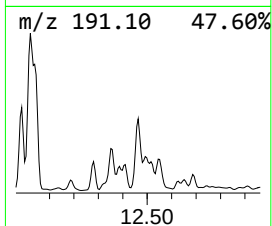
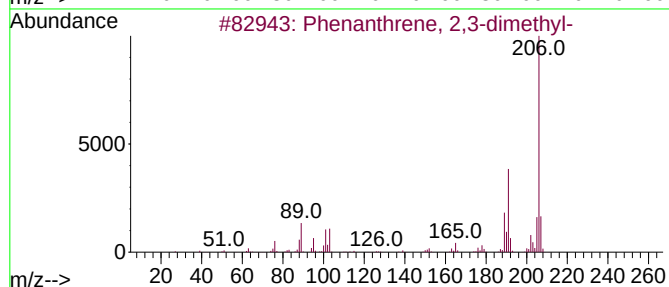
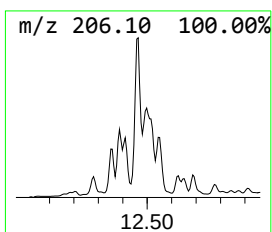
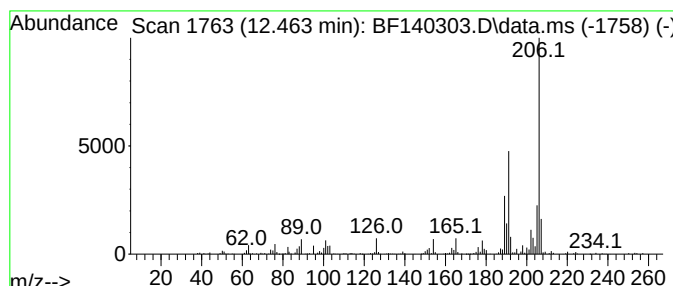
Instrument :
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ClientSampleId :
WC-2(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.463	5.44 ng	237022	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	93
3	9,10-Dimethylantracene		206	C16H14	000781-43-1	90
4	Anthracene, 1,4-dimethyl-		206	C16H14	000781-92-0	86
5	di-p-Tolylacetylene		206	C16H14	002789-88-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
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Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

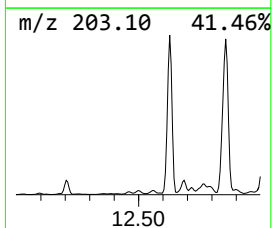
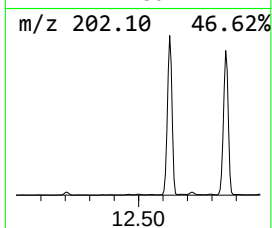
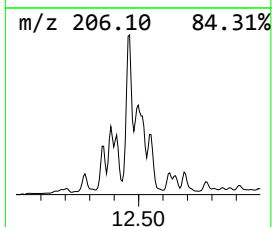
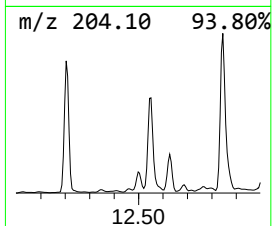
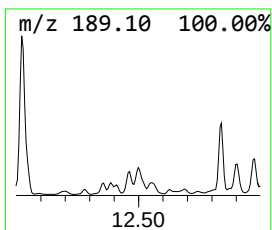
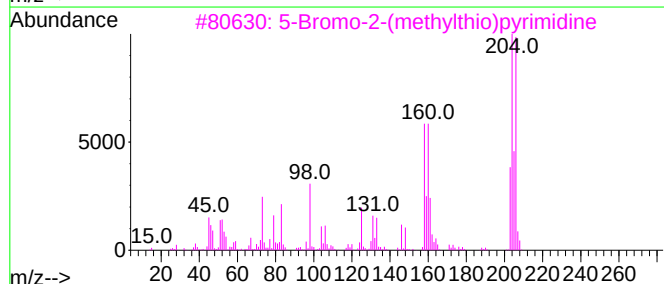
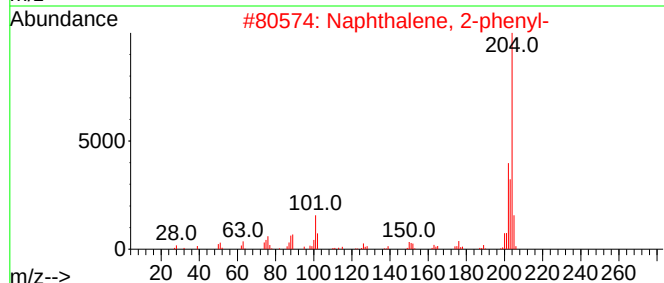
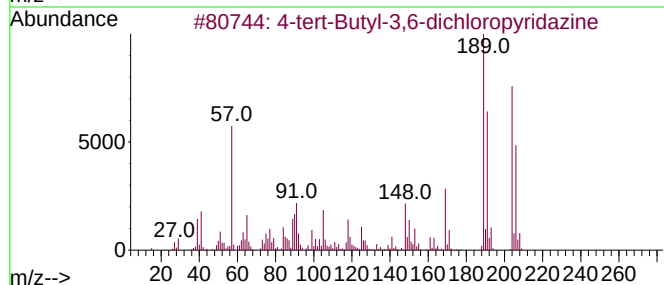
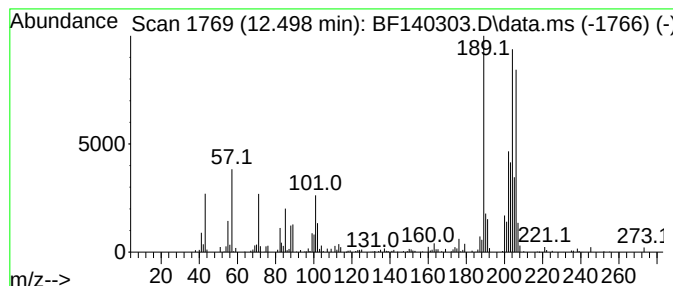
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown12.498 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	4.47 ng	194683	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-tert-Butyl-3,6-dichloropyridazine	204	C8H10Cl2N2	022808-29-3	47
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
3		5-Bromo-2-(methylthio)pyrimidine	204	C5H5BrN2S	014001-67-3	38
4		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5		3-Methoxy-2,4,5-trifluorobenzoic...	248	C11H11F3O3	1000338-75-8	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
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Acq On : 08 Nov 2024 17:10
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Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

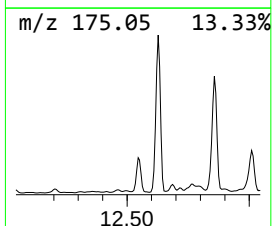
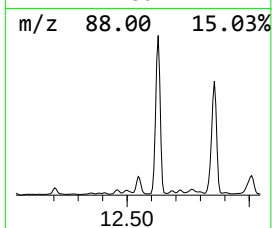
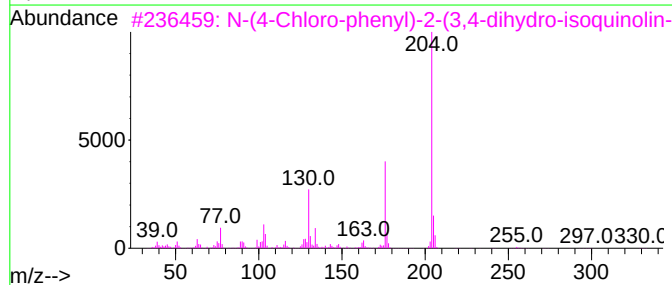
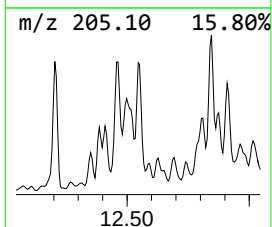
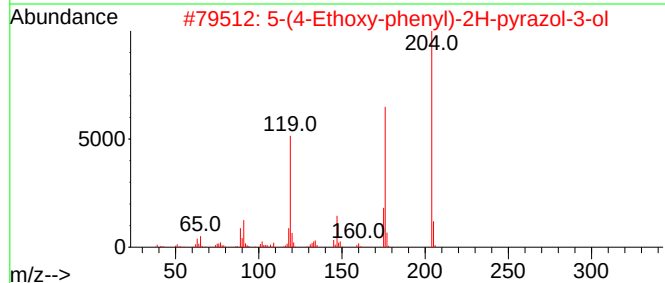
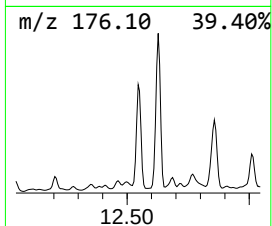
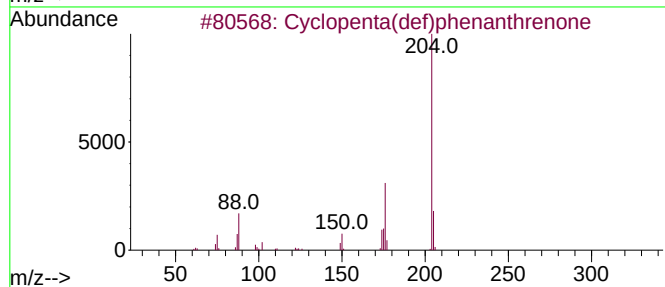
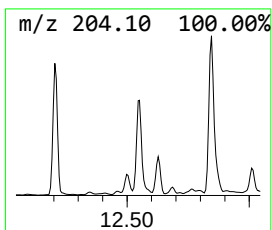
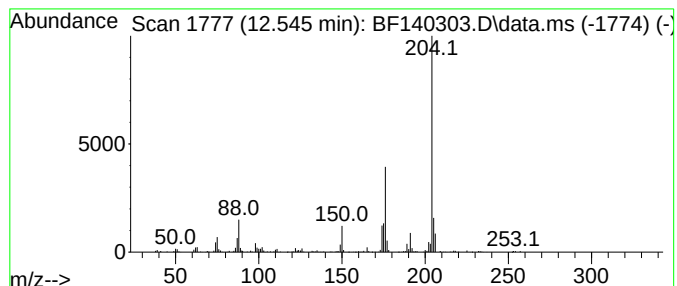
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ClientSampleId :
WC-2(0-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.545	4.85 ng	211429	Phenanthrene-d10			11.404
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	93
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol		204	C11H12N2O2	1000278-26-8	59
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...		330	C17H15ClN2OS	1010296-34-3	59
4	9-Acridinecarbonitrile		204	C14H8N2	005326-19-2	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile		204	C14H8N2	004341-02-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

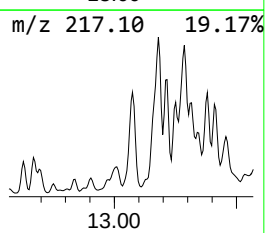
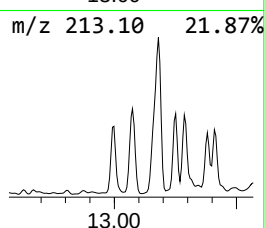
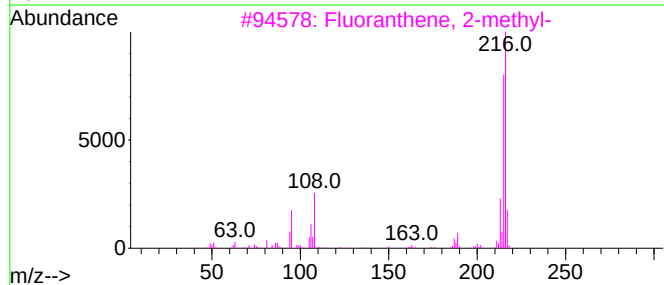
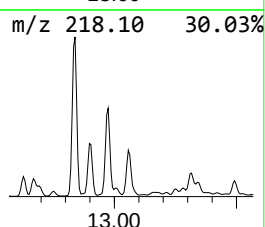
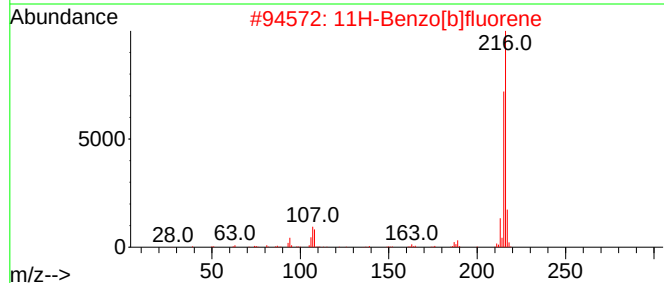
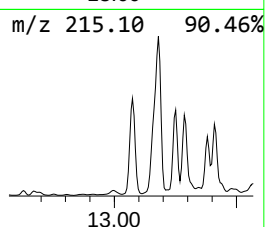
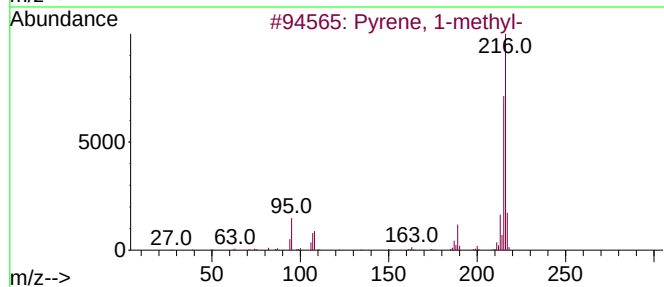
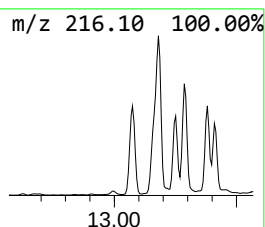
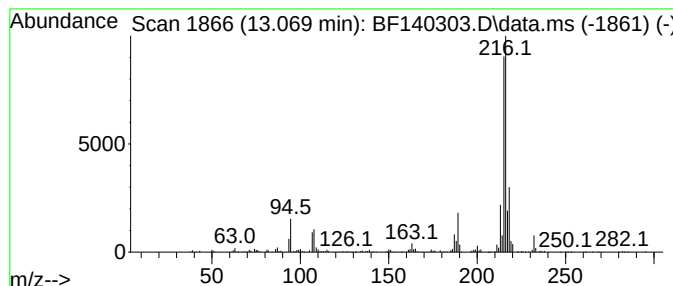
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	2.80 ng	387076	Chrysene-d12	14.069

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

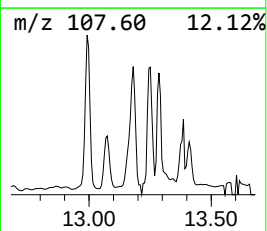
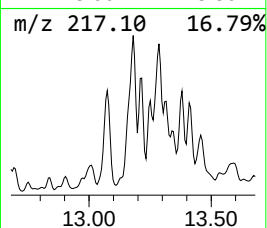
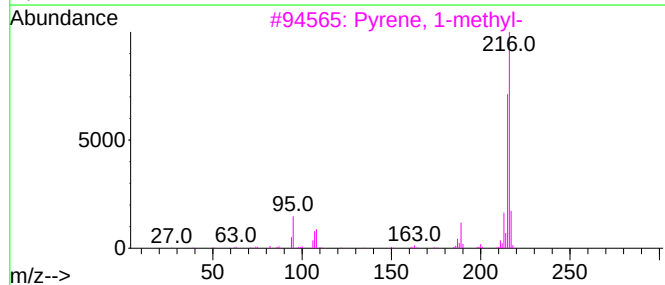
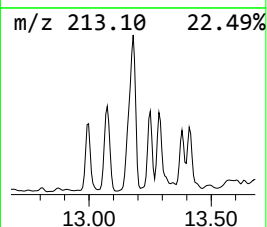
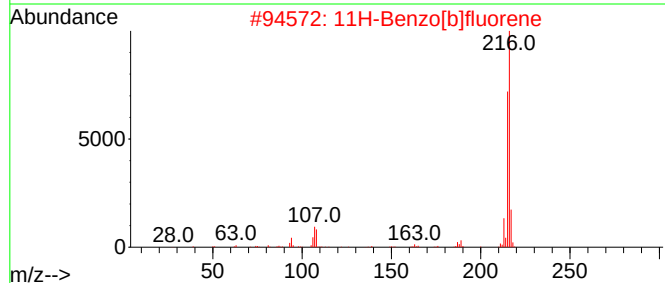
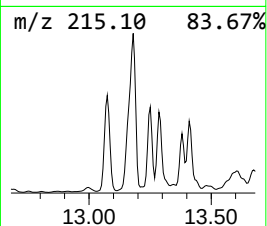
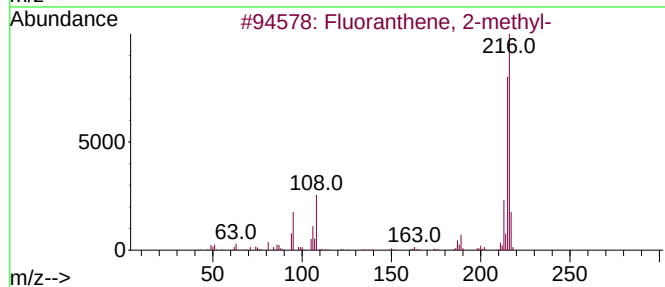
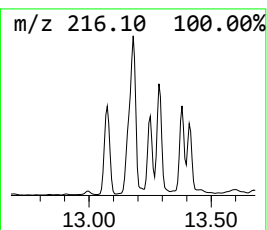
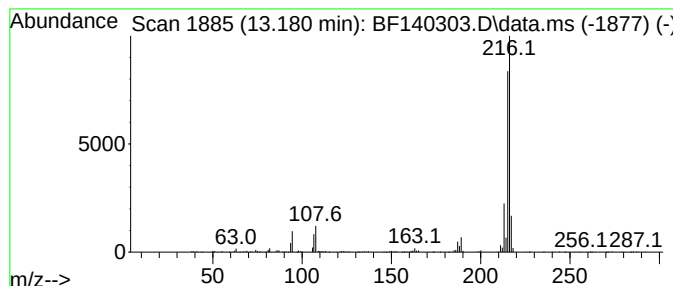
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.180	3.68 ng	508851	Chrysene-d12	14.069

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

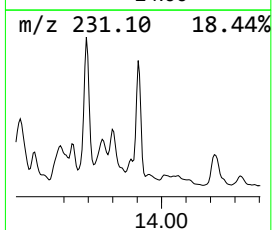
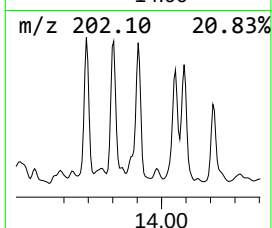
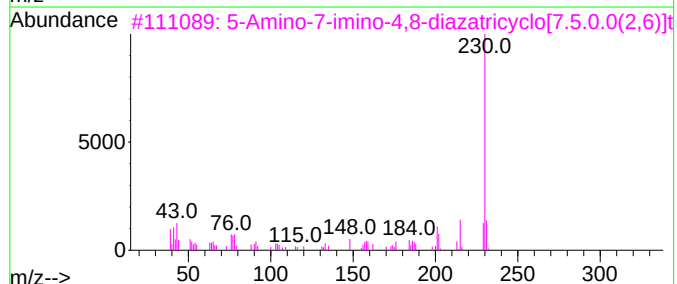
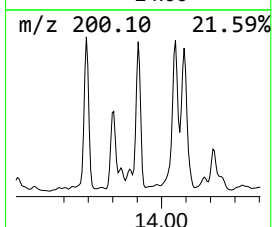
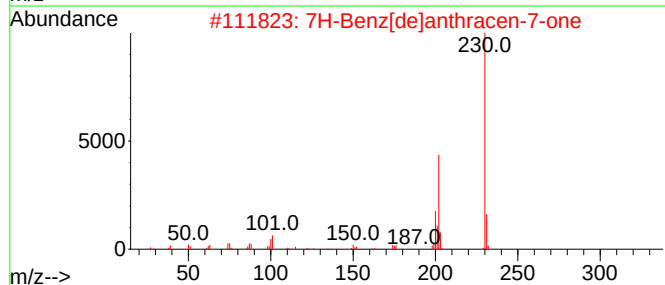
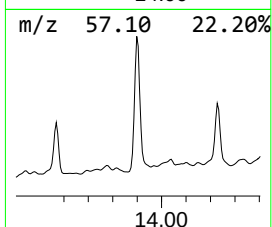
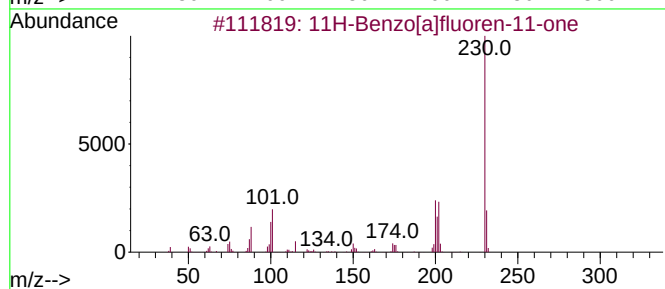
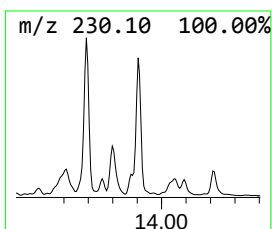
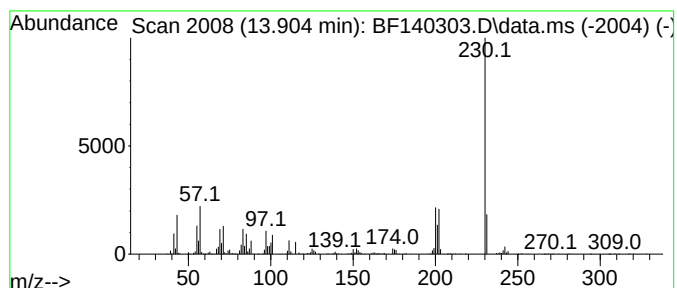
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.904	4.35 ng	601116	Chrysene-d12	14.069	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	49
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	45
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

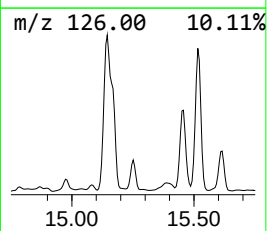
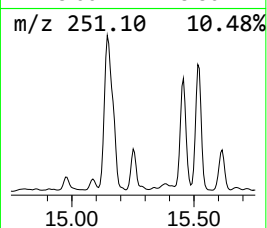
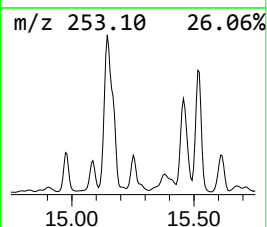
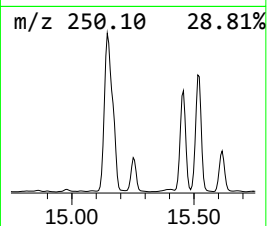
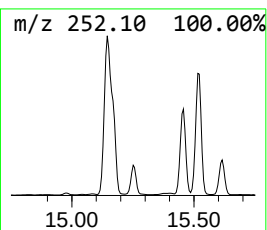
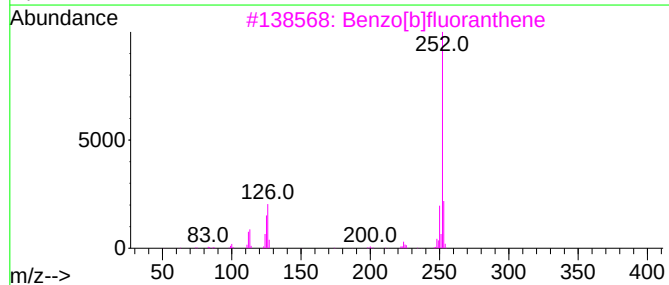
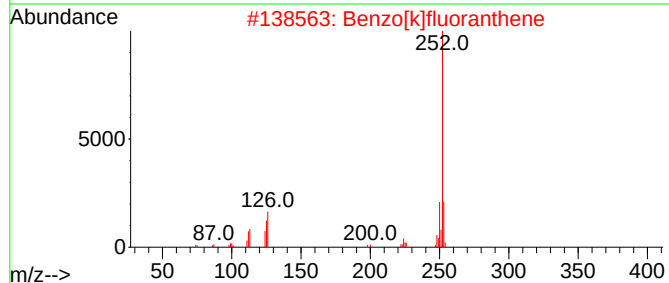
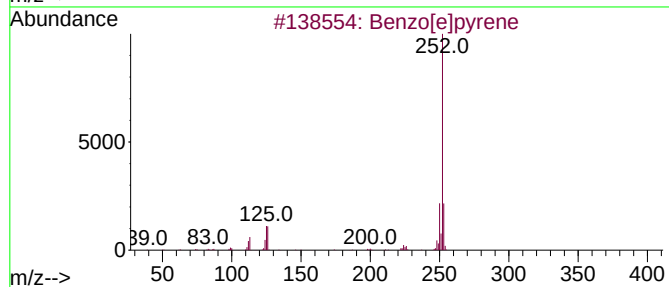
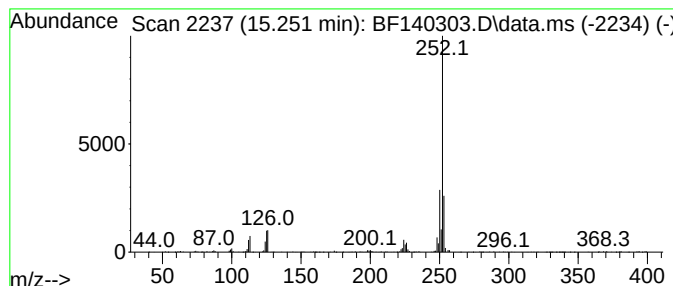
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	6.99 ng	194009	Perylene-d12	15.580

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

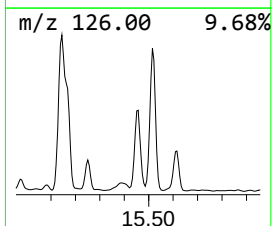
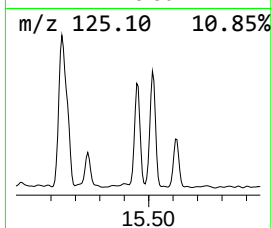
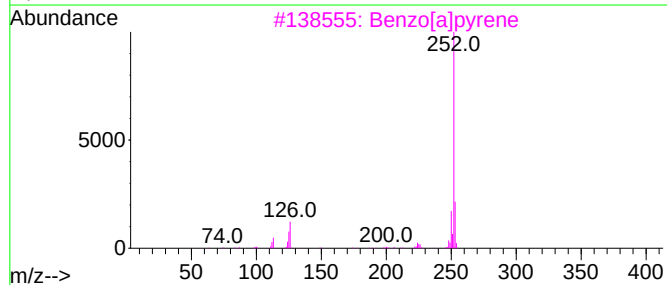
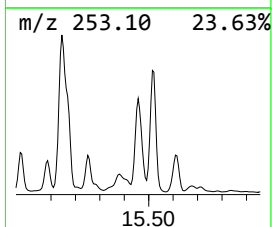
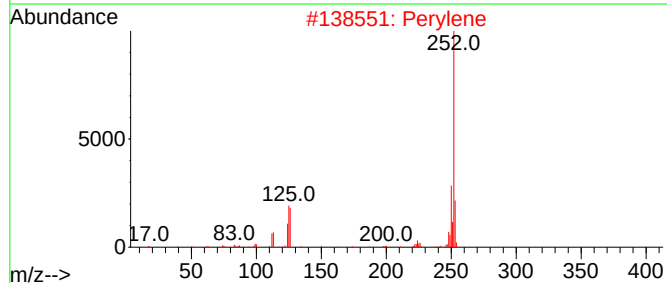
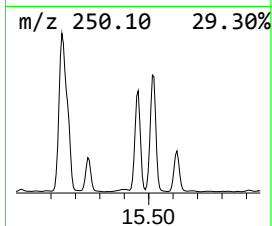
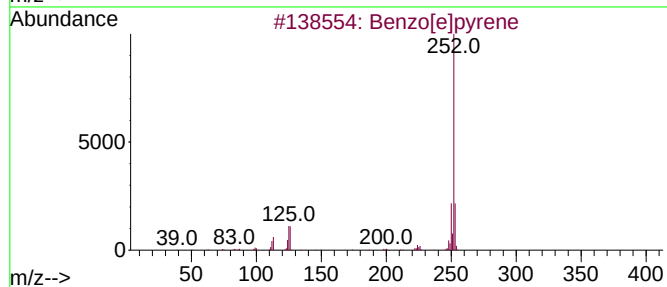
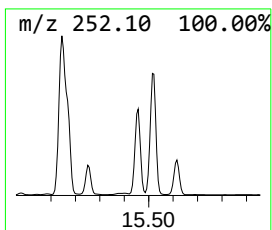
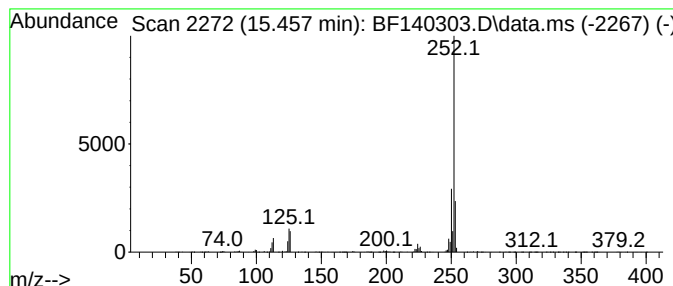
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.457	28.00 ng	776755	Perylene-d12	15.580

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Perylene	252	C20H12	000198-55-0	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140303.D
Acq On : 08 Nov 2024 17:10
Operator : RC/JU
Sample : P4722-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.152	72.1	ng	2533230	1	6.875	702778	20.0
2-Pentanone, 4-...	5.098	2.9	ng	103299	1	6.875	702778	20.0
Benzophenone	10.628	6.2	ng	300332	3	9.916	971803	20.0
9H-Fluorene, 1-...	11.010	2.7	ng	117199	4	11.404	871112	20.0
9H-Fluoren-9-one	11.210	2.6	ng	115615	4	11.404	871112	20.0
Dibenzothiophene	11.304	3.4	ng	147549	4	11.404	871112	20.0
Phenanthrene, 2...	11.910	6.1	ng	263867	4	11.404	871112	20.0
1H-Cyclopropa[1...	11.933	17.4	ng	755746	4	11.404	871112	20.0
1H-Indene, 2-ph...	11.986	4.0	ng	172016	4	11.404	871112	20.0
4H-Cyclopenta[d...	12.022	16.1	ng	701887	4	11.404	871112	20.0
4-Methylcarbazole	12.110	2.7	ng	116813	4	11.404	871112	20.0
Naphthalene, 2-...	12.204	4.9	ng	215167	4	11.404	871112	20.0
Phenanthrene, 2...	12.463	5.4	ng	237022	4	11.404	871112	20.0
unknown12.498	12.498	4.5	ng	194683	4	11.404	871112	20.0
Cyclopenta(def)...	12.545	4.8	ng	211429	4	11.404	871112	20.0
Pyrene, 1-methyl-	13.069	2.8	ng	387076	5	14.069	2763000	20.0
Fluoranthene, 2...	13.180	3.7	ng	508851	5	14.069	2763000	20.0
11H-Benzo[a]flu...	13.904	4.3	ng	601116	5	14.069	2763000	20.0
Benzo[e]pyrene	15.251	7.0	ng	194009	6	15.580	554823	20.0
Perylene	15.457	28.0	ng	776755	6	15.580	554823	20.0

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)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	400	UD	400	730	ug/Kg
108-95-2	Phenol	180	UD	180	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	UD	190	380	ug/Kg
95-57-8	2-Chlorophenol	180	UD	180	380	ug/Kg
95-48-7	2-Methylphenol	180	UD	180	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	200	UD	200	380	ug/Kg
98-86-2	Acetophenone	190	UD	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	180	UD	180	730	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.2	UD	89.2	180	ug/Kg
67-72-1	Hexachloroethane	180	UD	180	380	ug/Kg
98-95-3	Nitrobenzene	200	UD	200	380	ug/Kg
78-59-1	Isophorone	190	UD	190	380	ug/Kg
88-75-5	2-Nitrophenol	210	UD	210	380	ug/Kg
105-67-9	2,4-Dimethylphenol	210	UD	210	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	UD	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	170	UD	170	380	ug/Kg
91-20-3	Naphthalene	180	UD	180	380	ug/Kg
106-47-8	4-Chloroaniline	180	UD	180	380	ug/Kg
87-68-3	Hexachlorobutadiene	180	UD	180	380	ug/Kg
105-60-2	Caprolactam	190	UD	190	730	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	UD	170	380	ug/Kg
91-57-6	2-Methylnaphthalene	180	UD	180	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	UDQ	350	730	ug/Kg
88-06-2	2,4,6-Trichlorophenol	160	UD	160	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	UD	160	380	ug/Kg
92-52-4	1,1-Biphenyl	190	UD	190	380	ug/Kg
91-58-7	2-Chloronaphthalene	180	UD	180	380	ug/Kg
88-74-4	2-Nitroaniline	210	UD	210	380	ug/Kg
131-11-3	Dimethylphthalate	180	UD	180	380	ug/Kg

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)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	UD	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	UD	180	380	ug/Kg
99-09-2	3-Nitroaniline	200	UD	200	380	ug/Kg
83-32-9	Acenaphthene	250	JD	180	380	ug/Kg
51-28-5	2,4-Dinitrophenol	540	UD	540	730	ug/Kg
100-02-7	4-Nitrophenol	260	UD	260	730	ug/Kg
132-64-9	Dibenzofuran	190	UD	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	UD	190	380	ug/Kg
84-66-2	Diethylphthalate	180	UD	180	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	UD	190	380	ug/Kg
86-73-7	Fluorene	200	JD	190	380	ug/Kg
100-01-6	4-Nitroaniline	240	UD	240	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	260	UD	260	730	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	UD	180	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	UD	170	380	ug/Kg
118-74-1	Hexachlorobenzene	190	UD	190	380	ug/Kg
1912-24-9	Atrazine	200	UD	200	380	ug/Kg
87-86-5	Pentachlorophenol	170	UD	170	730	ug/Kg
85-01-8	Phenanthrene	2300	D	190	380	ug/Kg
120-12-7	Anthracene	590	D	190	380	ug/Kg
86-74-8	Carbazole	210	JD	180	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	UD	190	380	ug/Kg
206-44-0	Fluoranthene	3000	D	180	380	ug/Kg
129-00-0	Pyrene	2400	D	180	380	ug/Kg
85-68-7	Butylbenzylphthalate	210	UD	210	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UD	220	730	ug/Kg
56-55-3	Benzo(a)anthracene	1600	D	180	380	ug/Kg
218-01-9	Chrysene	1500	D	180	380	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	UD	200	380	ug/Kg
117-84-0	Di-n-octyl phthalate	240	UD	240	730	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000	D	180	380	ug/Kg

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)DL	SDG No.:	P4722
Lab Sample ID:	P4722-08DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140377.D	2	11/07/24 09:20	11/14/24 21:54	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	620	D	180	380	ug/Kg
50-32-8	Benzo(a)pyrene	1600	D	210	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	800	D	170	380	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230	JD	180	380	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950	D	180	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	UD	190	380	ug/Kg
123-91-1	1,4-Dioxane	240	UD	240	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	UD	170	380	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	102		18 - 112	68%	SPK: 150
13127-88-3	Phenol-d6	97.6		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	71.4		18 - 107	71%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.2		20 - 109	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.8		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	6.875			
1146-65-2	Naphthalene-d8	500000	8.157			
15067-26-2	Acenaphthene-d10	232000	9.91			
1517-22-2	Phenanthrene-d10	344000	11.398			
1719-03-5	Chrysene-d12	250000	14.045			
1520-96-3	Perylene-d12	179000	15.539			

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\BF111424\
 Data File : BF140377.D
 Acq On : 14 Nov 2024 21:54
 Operator : RC/JU
 Sample : P4722-08DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-6)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024

Quant Time: Nov 15 00:30:07 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	137496	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	500452	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	231647	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	343646	20.000	ng	0.00
76) Chrysene-d12	14.045	240	249695	20.000	ng	0.00
86) Perylene-d12	15.539	264	178555	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	411590	51.110	ng	0.01
7) Phenol-d6	6.516	99	532252	48.783	ng	0.01
23) Nitrobenzene-d5	7.434	82	342877	35.697	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	89556	38.877	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	584873	40.588	ng	0.00
79) Terphenyl-d14	12.980	244	450848	31.341	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	56490	2.225	ng	99
52) Acenaphthene	9.939	154	45039	3.433	ng	97
55) Dibenzofuran	10.116	168	37557	2.022	ng	96
58) Fluorene	10.457	166	39750	2.709	ng	99
71) Phenanthrene	11.422	178	494923	30.659	ng	99
72) Anthracene	11.475	178	126783	8.014	ng	98
73) Carbazole	11.633	167	45373	2.904	ng	98
75) Fluoranthene	12.616	202	739589	40.836	ng	100
78) Pyrene	12.845	202	694308	32.508	ng	99
81) Benzo(a)anthracene	14.033	228	347397	21.169	ng	98
83) Chrysene	14.068	228	296320	19.790	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	119520	10.836	ng	95
88) Benzo(b)fluoranthene	15.104	252	309451m	26.494	ng	
89) Benzo(k)fluoranthene	15.121	252	80593m	8.446	ng	
90) Benzo(a)pyrene	15.474	252	196874	21.705	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	28476	3.123	ng	# 85
92) Benzo(g,h,i)perylene	17.492	276	120148	12.890	ng	100

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

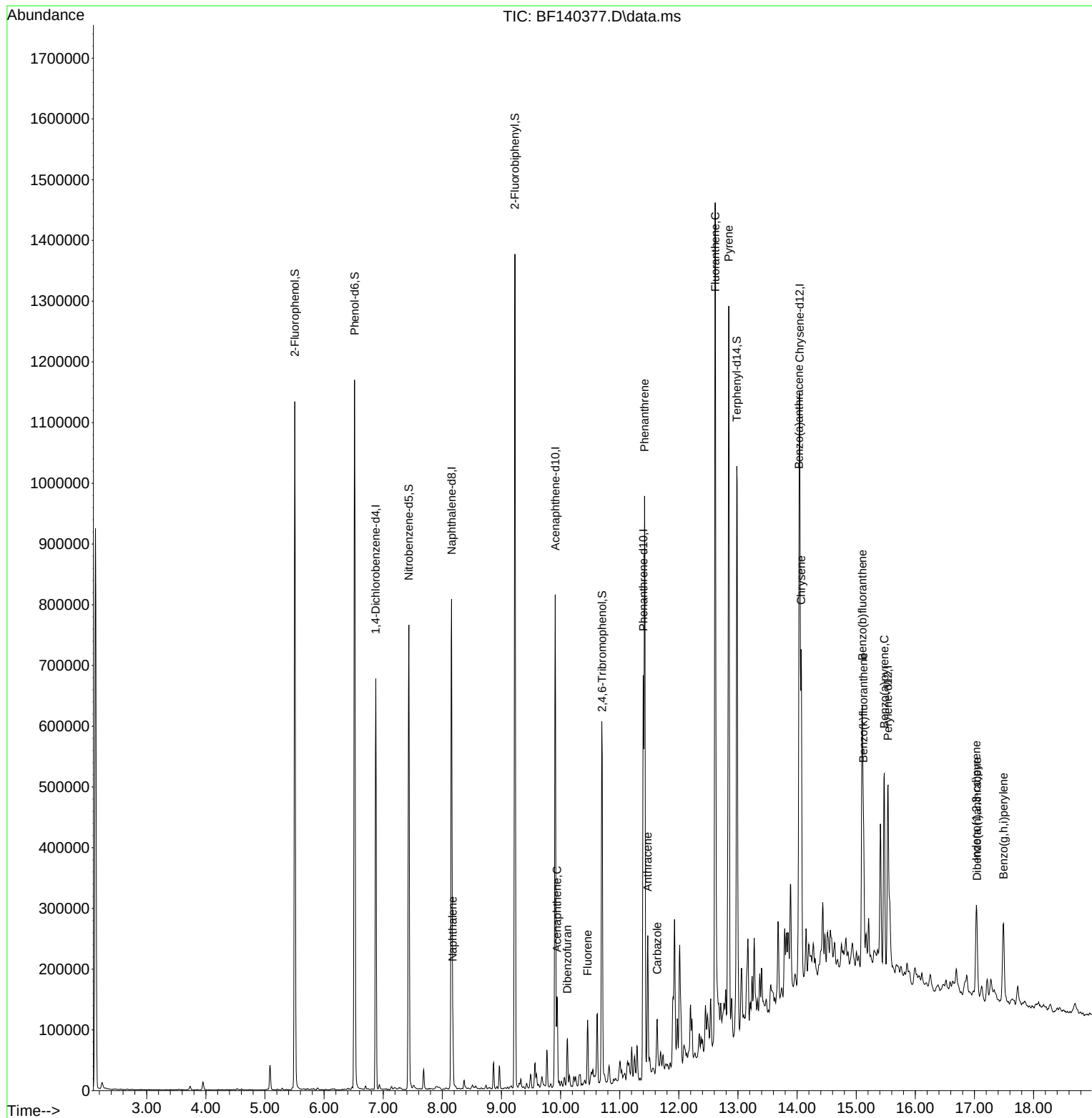
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Data File : BF140377.D
Acq On : 14 Nov 2024 21:54
Operator : RC/JU
Sample : P4722-08DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

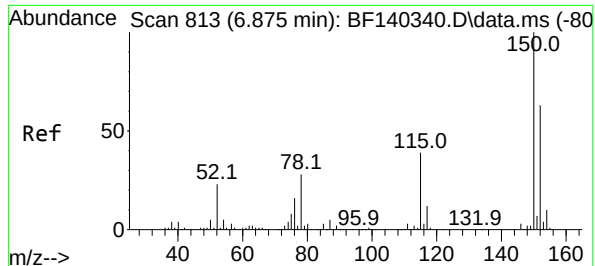
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

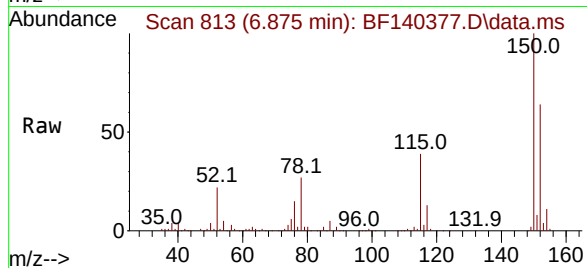
Quant Time: Nov 15 00:30:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

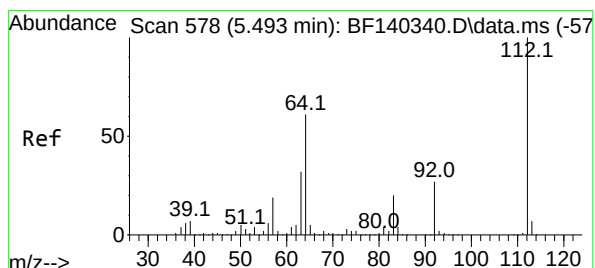
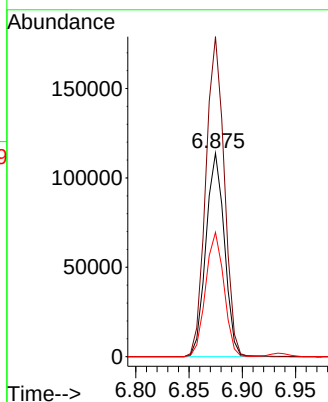
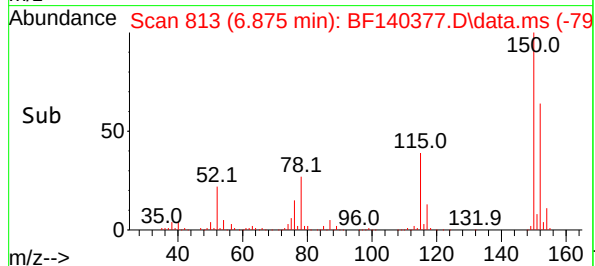
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL



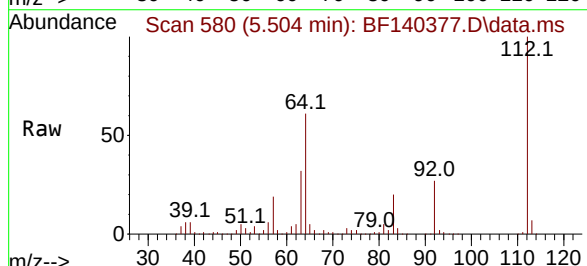
Tgt Ion:152 Resp: 137490
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 61.1 47.4 71.2

Manual Integrations
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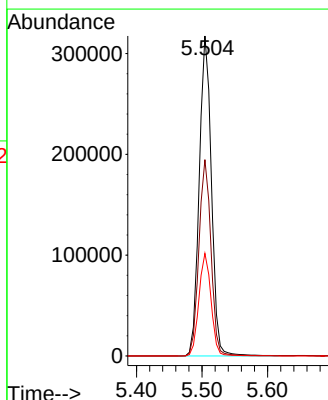
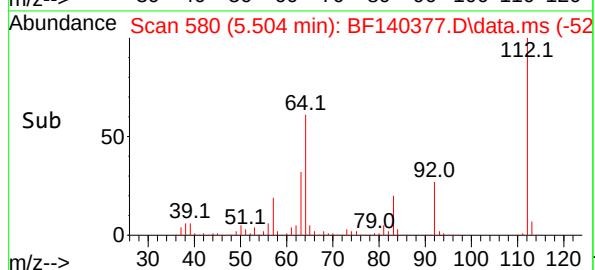
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024

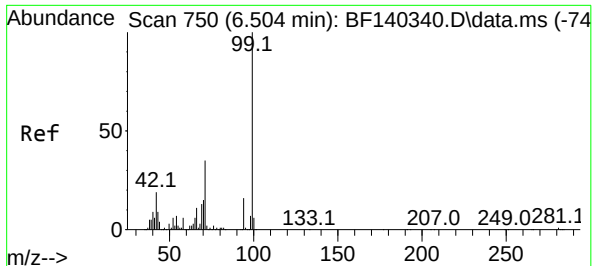


#5
2-Fluorophenol
Concen: 51.110 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54



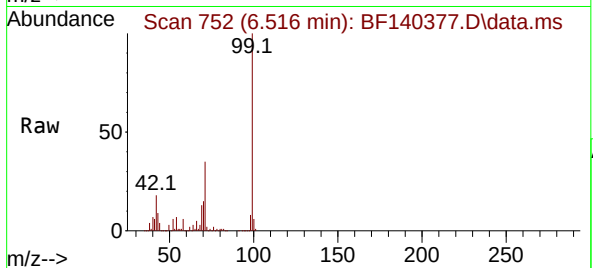
Tgt Ion:112 Resp: 411590
Ion Ratio Lower Upper
112 100
64 61.4 49.2 73.8
63 32.0 25.6 38.4





#7
Phenol-d6
Concen: 48.783 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

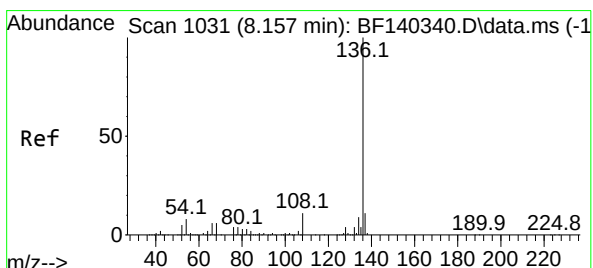
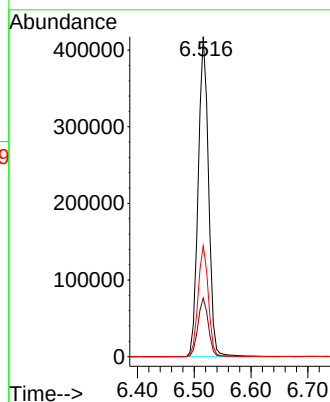
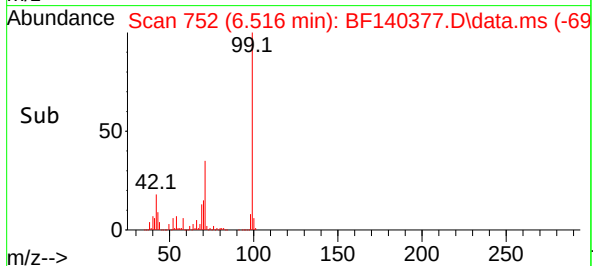
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL



Tgt Ion: 99 Resp: 532252
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 34.7 27.9 41.9

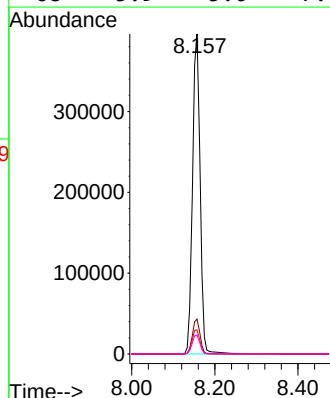
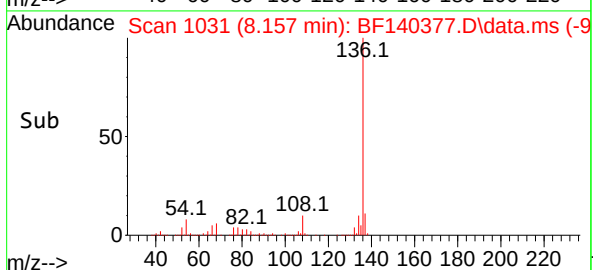
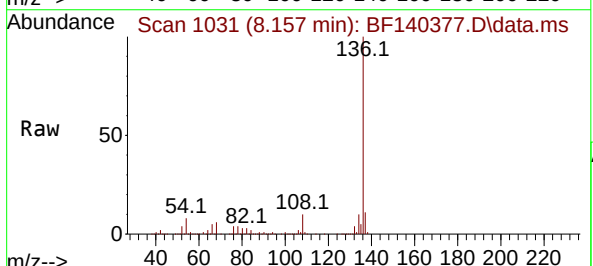
Manual Integrations
APPROVED

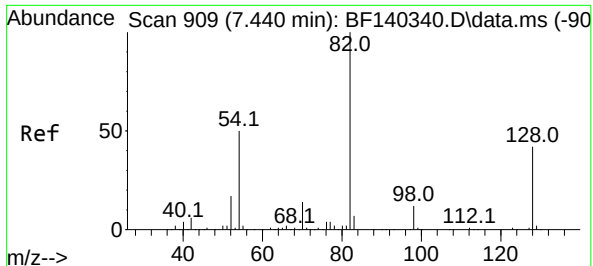
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:136 Resp: 500452
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.5 6.5 9.7
68 5.9 5.0 7.6





#23

Nitrobenzene-d5

Concen: 35.697 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion: 82 Resp: 34287

Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

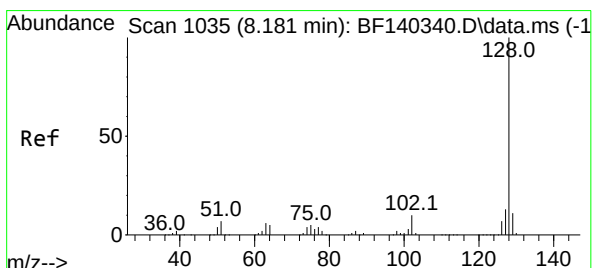
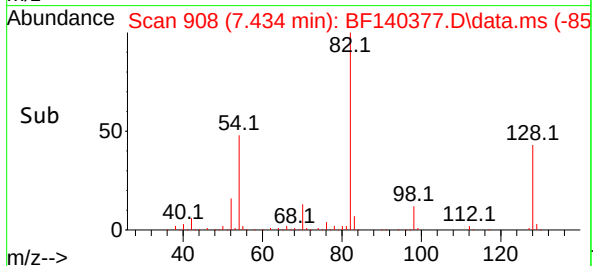
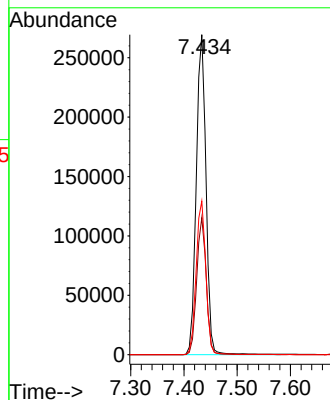
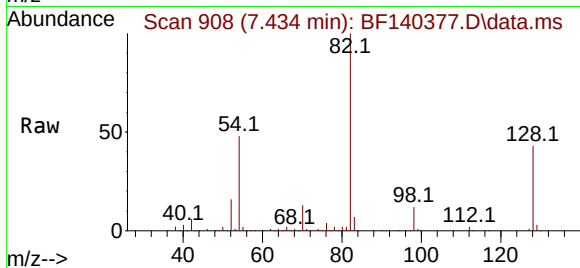
54 48.0 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#31

Naphthalene

Concen: 2.225 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

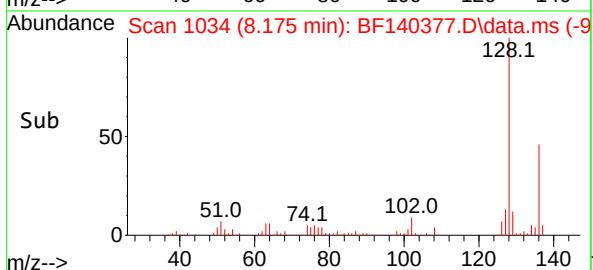
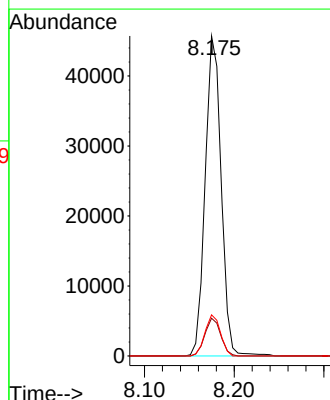
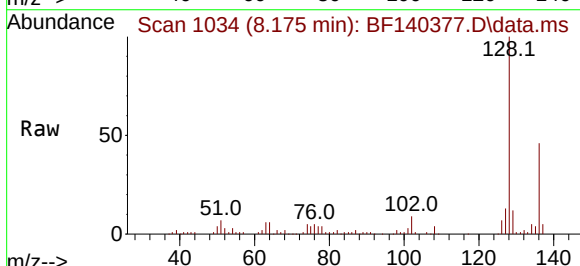
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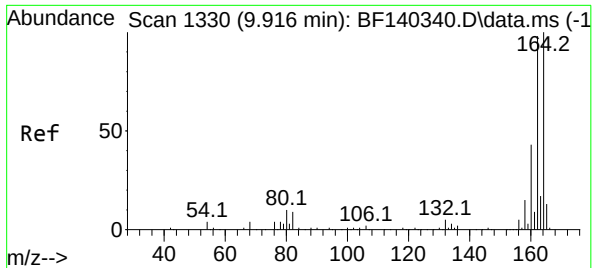
Ion Ratio Lower Upper

128 100

129 11.8 8.9 13.3

127 12.9 10.6 15.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:164 Resp: 23164

Ion Ratio Lower Upper

164 100

162 100.5 79.8 119.8

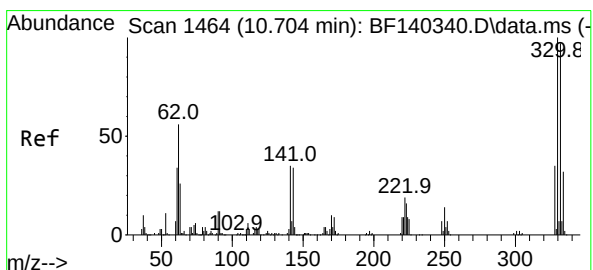
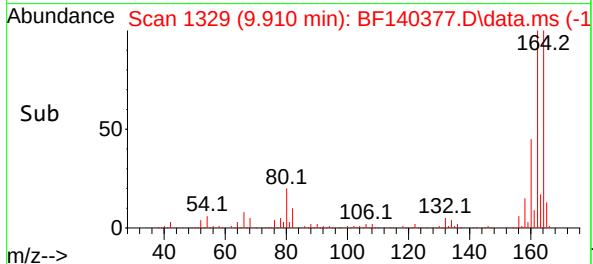
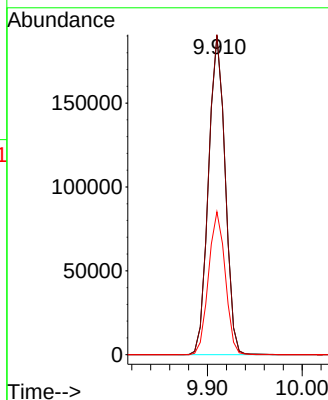
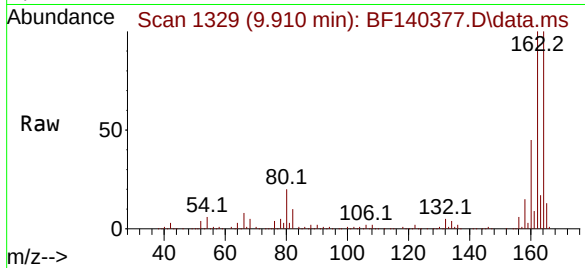
160 44.8 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#42

2,4,6-Tribromophenol

Concen: 38.877 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

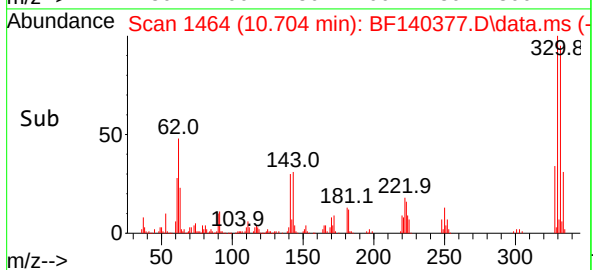
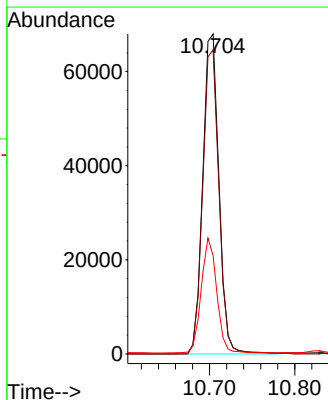
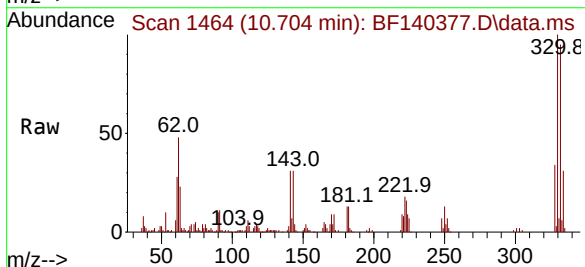
Tgt Ion:330 Resp: 89556

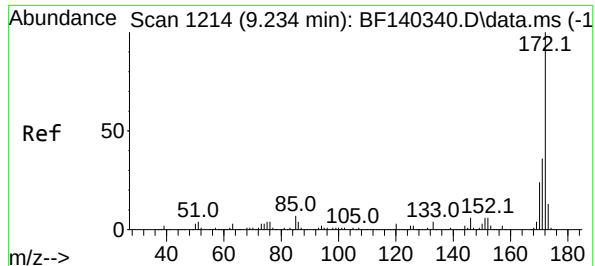
Ion Ratio Lower Upper

330 100

332 95.7 75.9 113.9

141 34.2 26.9 40.3





#45

2-Fluorobiphenyl

Concen: 40.588 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:172 Resp: 58487

Ion Ratio Lower Upper

172 100

171 34.8 28.5 42.7

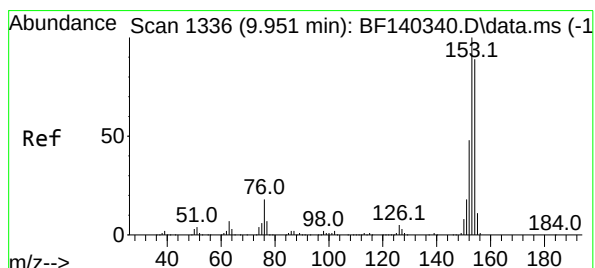
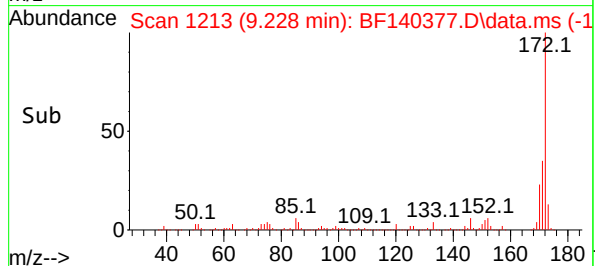
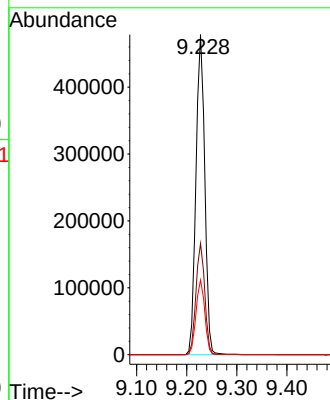
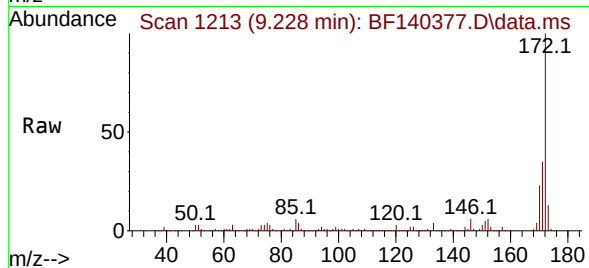
170 23.3 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#52

Acenaphthene

Concen: 3.433 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

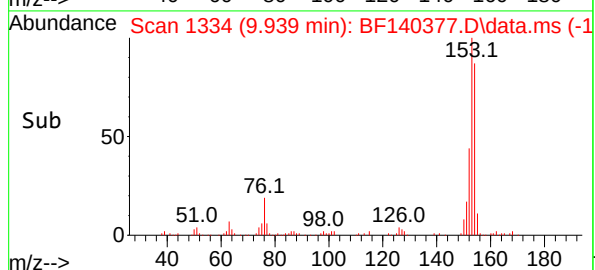
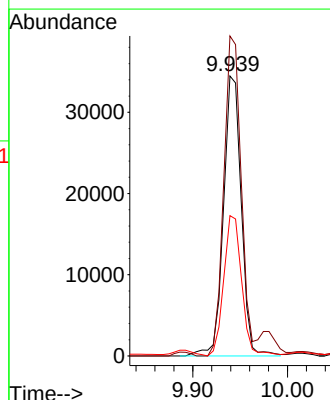
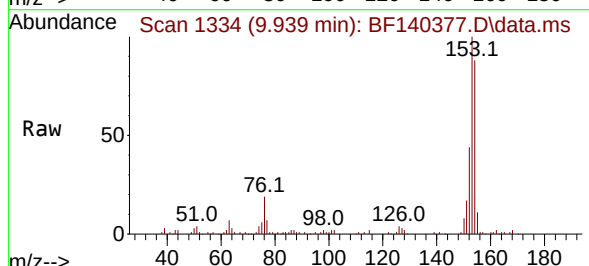
Tgt Ion:154 Resp: 45039

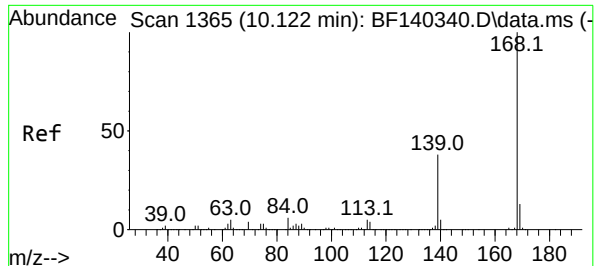
Ion Ratio Lower Upper

154 100

153 114.3 89.8 134.8

152 50.1 42.6 64.0





#55

Dibenzenofuran

Concen: 2.022 ng

RT: 10.116 min Scan# 1365

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

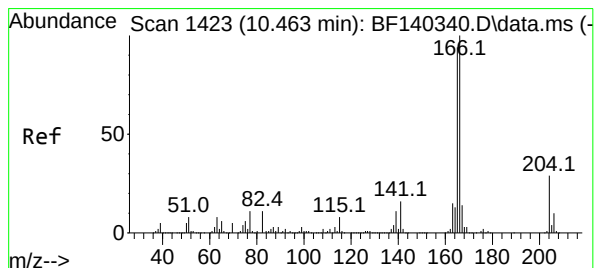
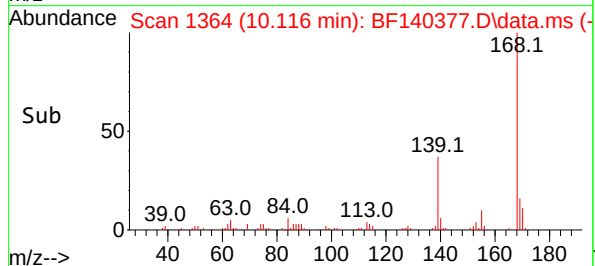
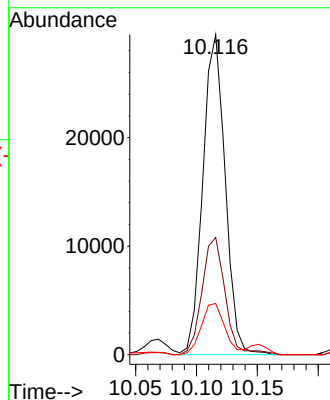
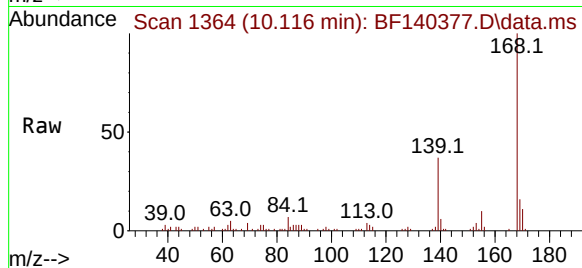
Tgt Ion:168	Resp:	3755
Ion Ratio	Lower	Upper
168	100	
139	36.6	30.8 46.2
169	16.0	10.8 16.2

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#58

Fluorene

Concen: 2.709 ng

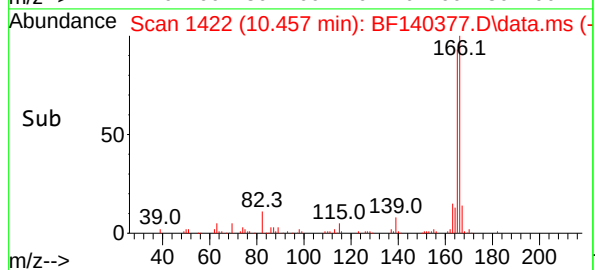
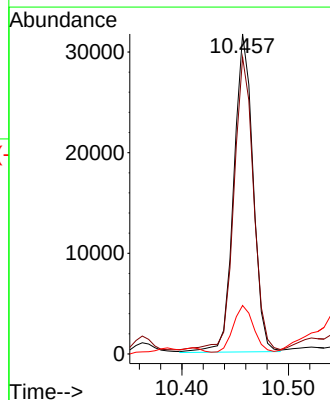
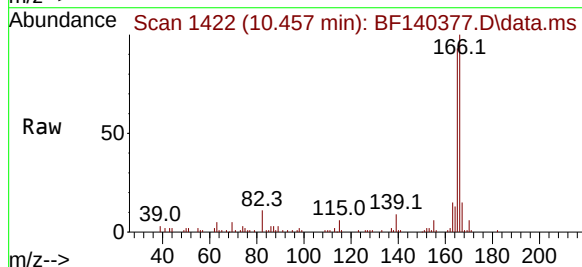
RT: 10.457 min Scan# 1422

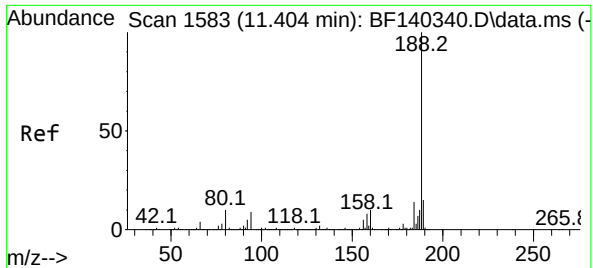
Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Tgt Ion:166	Resp:	39750
Ion Ratio	Lower	Upper
166	100	
165	92.7	73.9 110.9
167	15.2	10.9 16.3





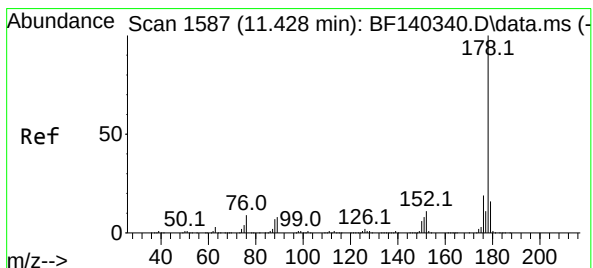
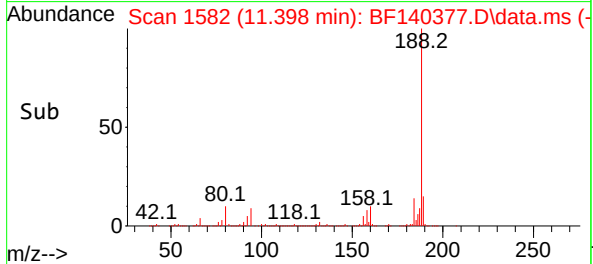
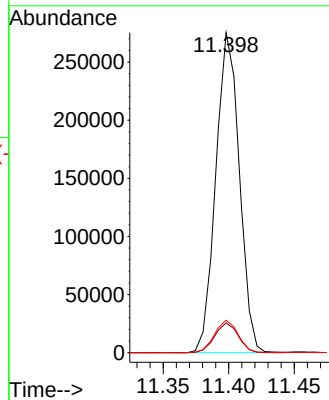
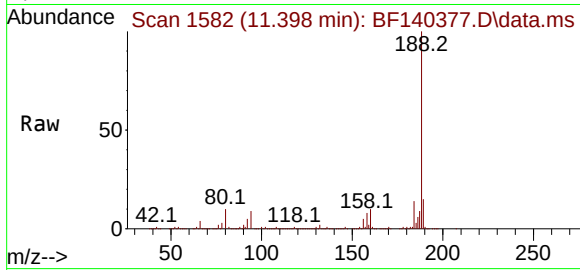
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

Tgt Ion:188 Resp: 343640
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 10.1 8.0 12.0

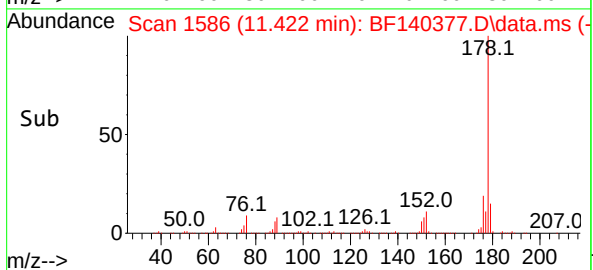
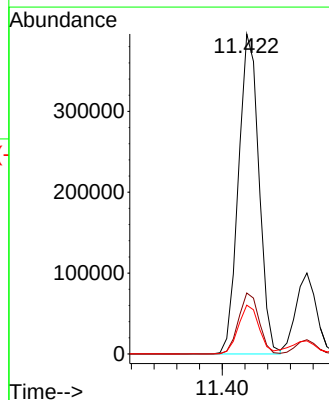
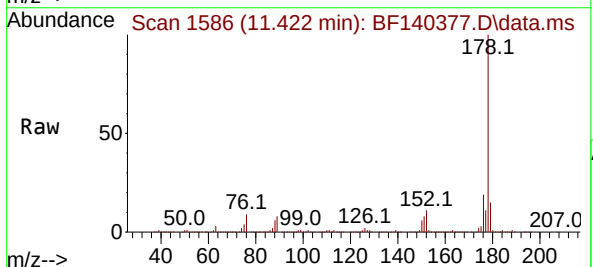
Manual Integrations
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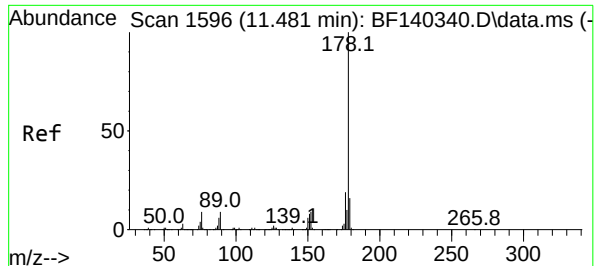
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#71
Phenanthrene
Concen: 30.659 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

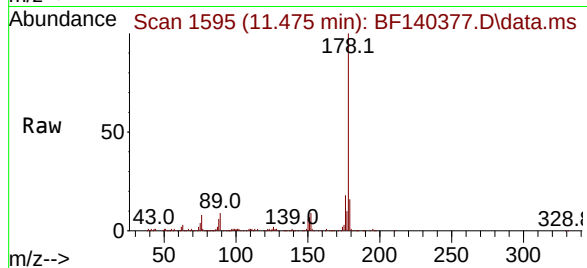
Tgt Ion:178 Resp: 494923
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 8.014 ng
 RT: 11.475 min Scan# 1595
 Delta R.T. -0.006 min
 Lab File: BF140377.D
 Acq: 14 Nov 2024 21:54

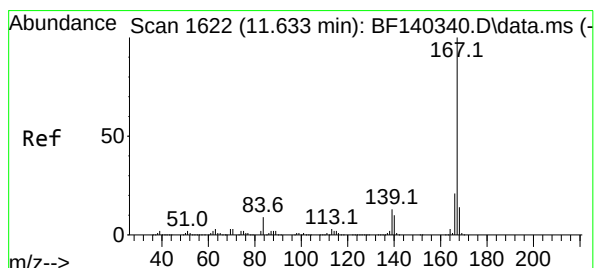
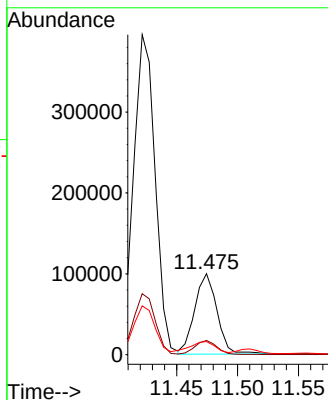
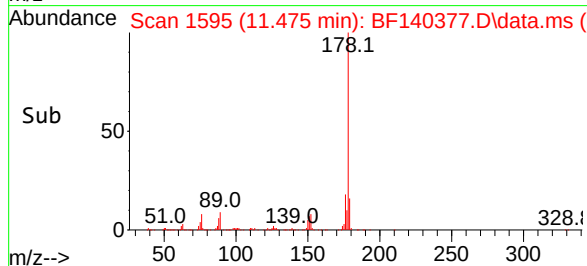
Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-6)DL



Tgt Ion:178 Resp: 126783
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.0
 179 16.2 12.6 18.8

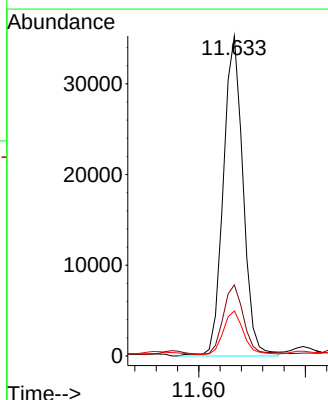
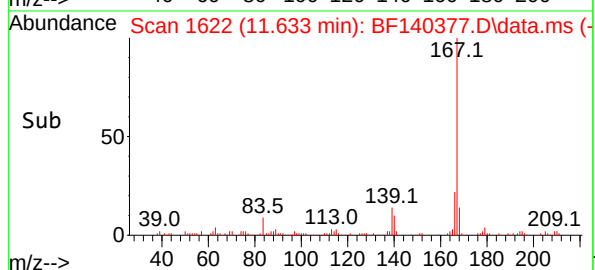
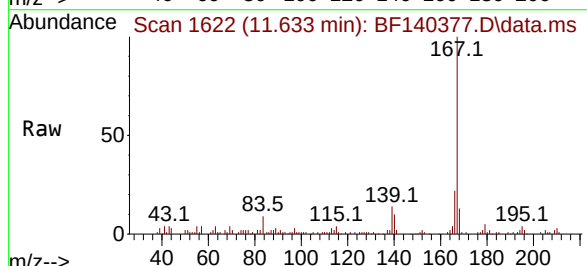
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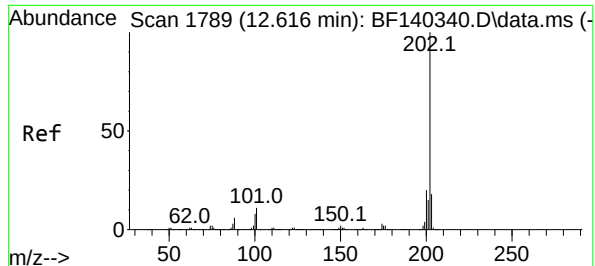
Reviewed By :Yogesh Patel 11/15/2024
 Supervised By :mohammad ahmed 11/15/2024



#73
 Carbazole
 Concen: 2.904 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.000 min
 Lab File: BF140377.D
 Acq: 14 Nov 2024 21:54

Tgt Ion:167 Resp: 45373
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 14.0 10.4 15.6





#75

Fluoranthene

Concen: 40.836 ng

RT: 12.616 min Scan# 1789

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:202 Resp: 739589

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.7

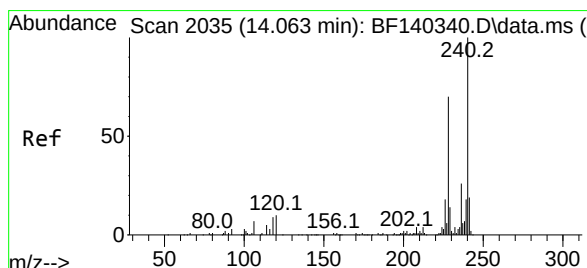
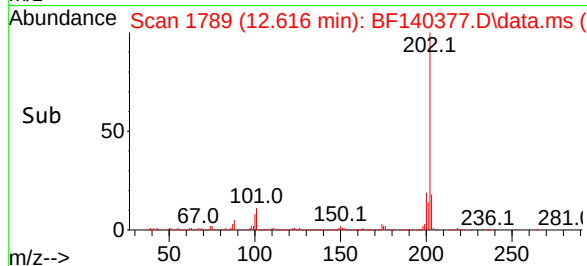
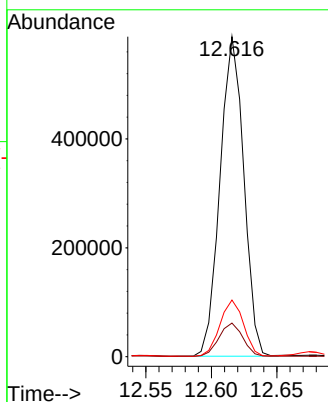
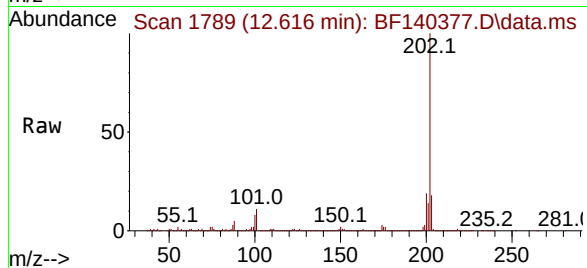
203 17.7 0.0 37.7

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

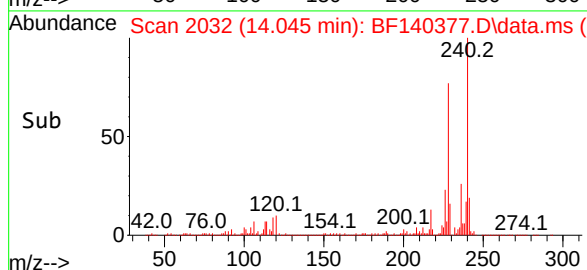
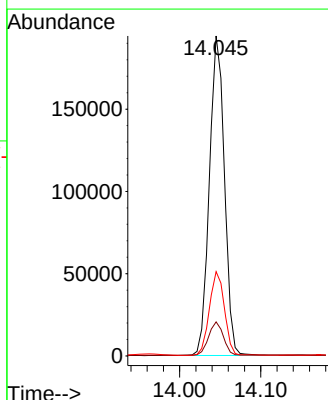
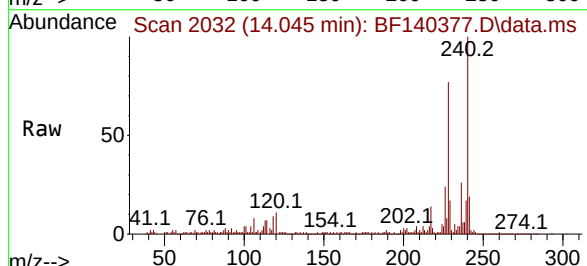
Tgt Ion:240 Resp: 249695

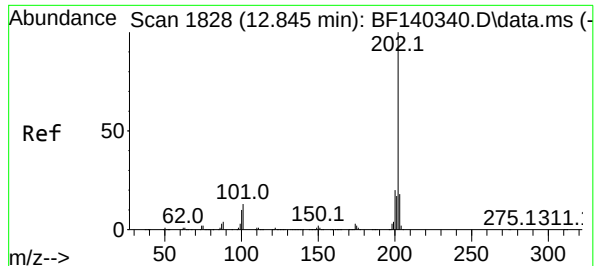
Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

236 26.4 20.9 31.3





#78

Pyrene

Concen: 32.508 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:202 Resp: 694308

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

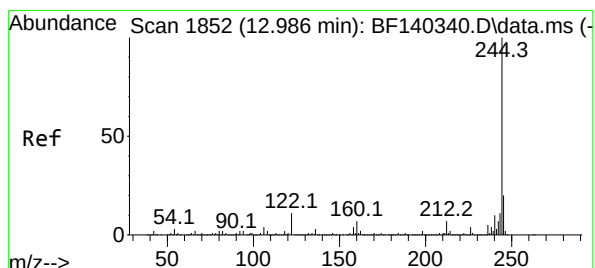
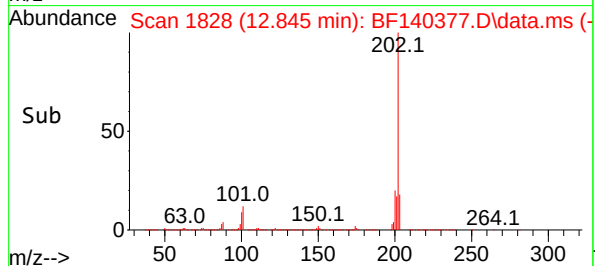
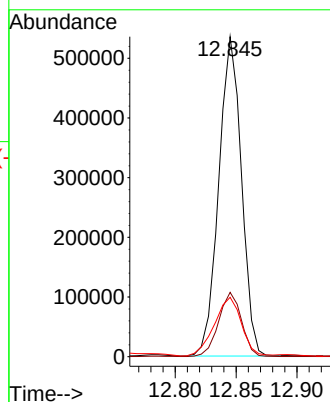
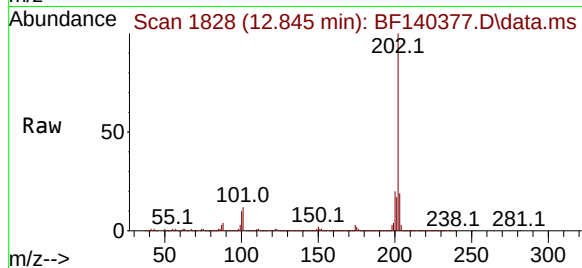
203 18.5 14.2 21.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#79

Terphenyl-d14

Concen: 31.341 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

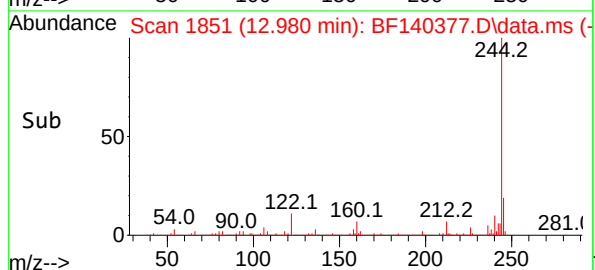
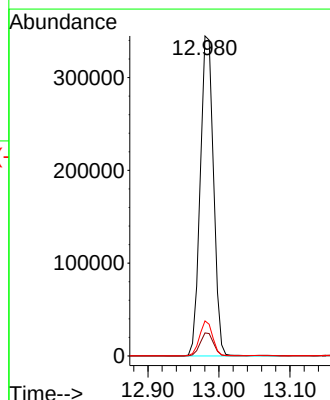
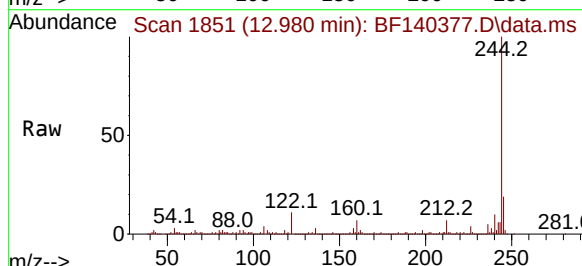
Tgt Ion:244 Resp: 450848

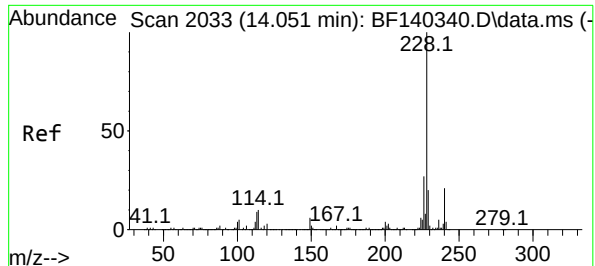
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 11.0 8.8 13.2





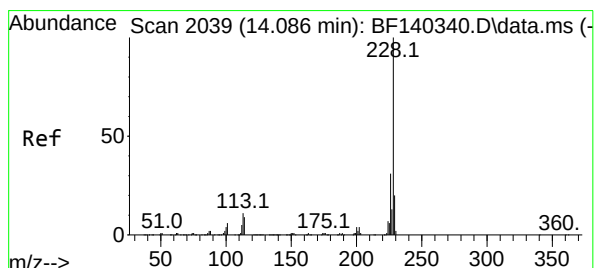
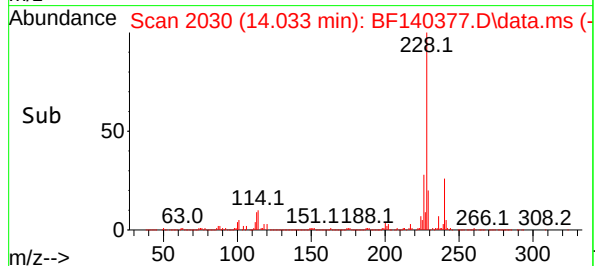
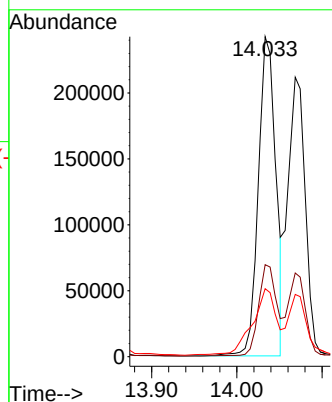
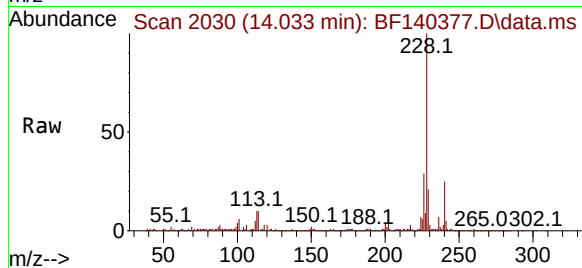
#81
Benzo(a)anthracene
Concen: 21.169 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL

Tgt Ion:228 Resp: 34739
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.4
229 21.2 15.8 23.6

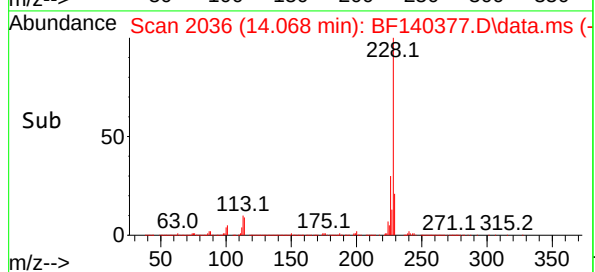
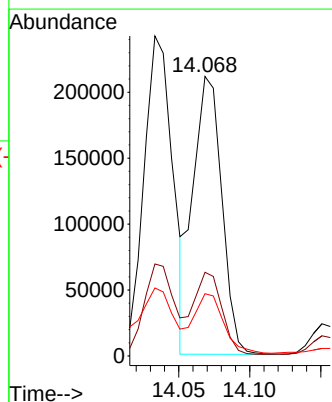
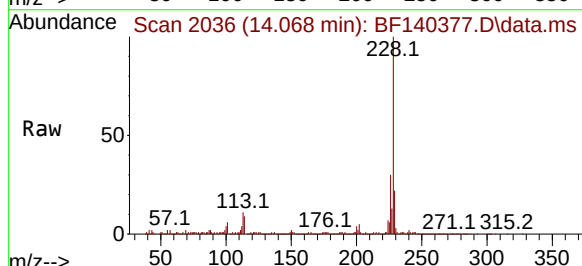
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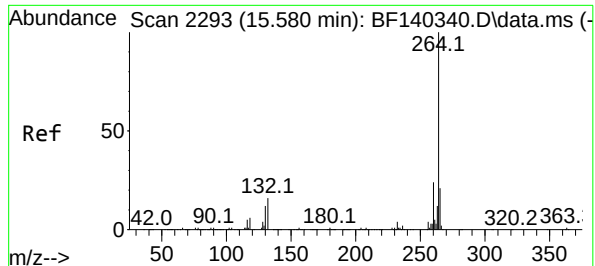
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#83
Chrysene
Concen: 19.790 ng
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:228 Resp: 296320
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 22.3 16.0 24.0





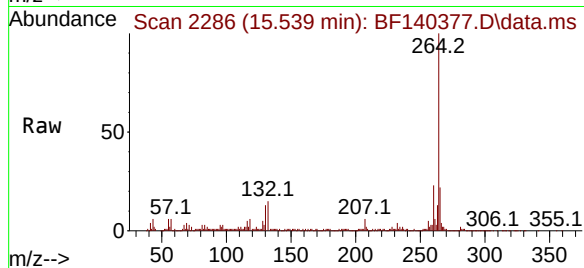
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

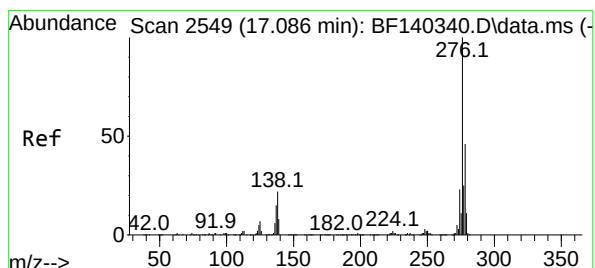
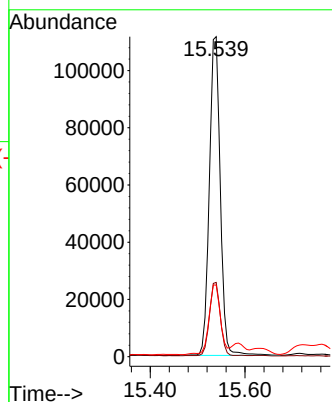
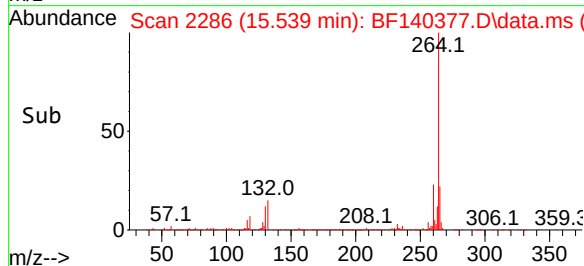
WC-2(0-6)DL



Tgt Ion:264 Resp: 17855
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 22.4 17.1 25.7

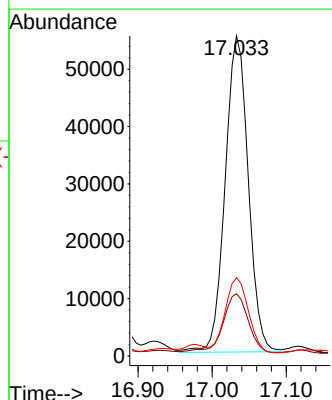
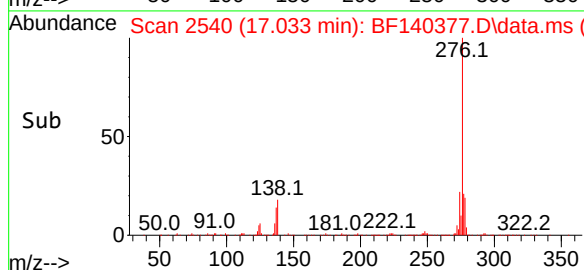
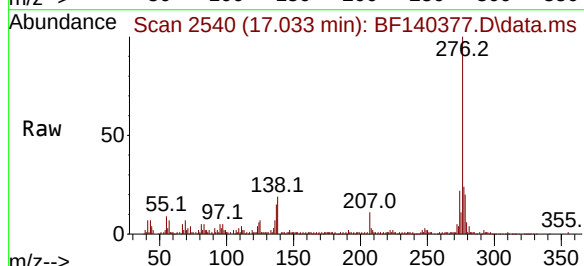
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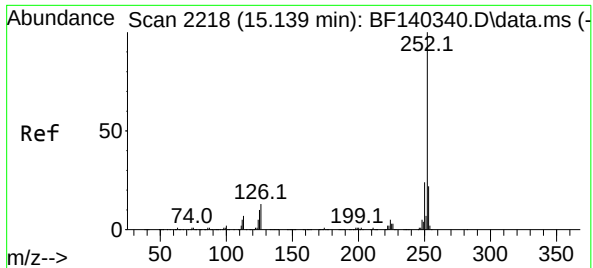
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.836 ng
RT: 17.033 min Scan# 2540
Delta R.T. -0.024 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

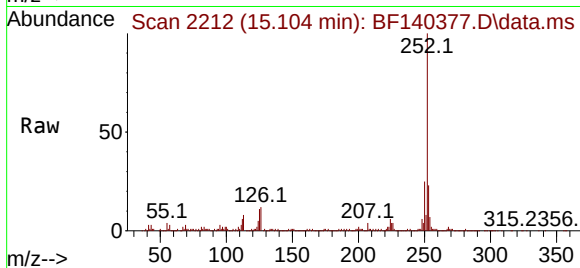
Tgt Ion:276 Resp: 119520
Ion Ratio Lower Upper
276 100
138 20.1 18.8 28.2
277 24.0 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 26.494 ng m
RT: 15.104 min Scan# 2115
Delta R.T. -0.012 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

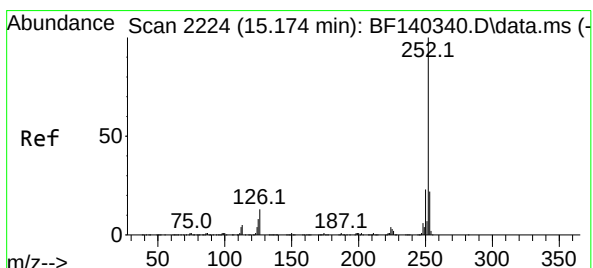
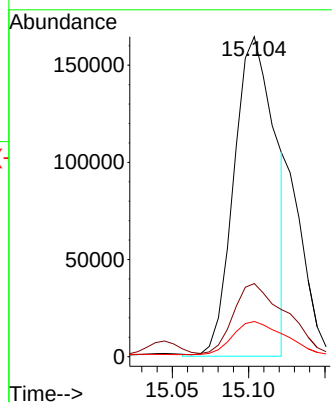
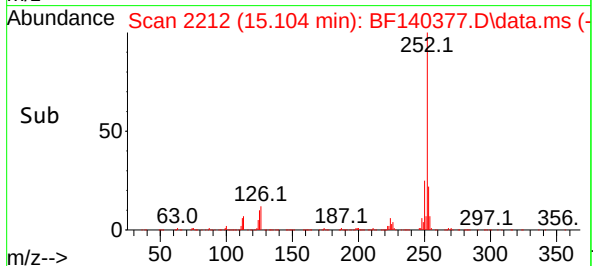
Instrument :
BNA_F
ClientSampleId :
WC-2(0-6)DL



Tgt Ion:252 Resp: 30945
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.0 8.0 12.0

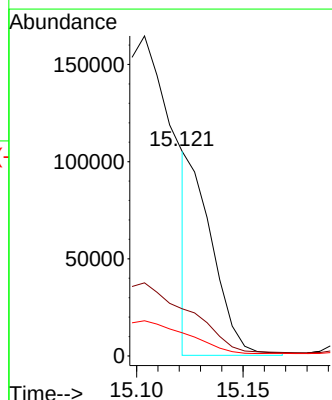
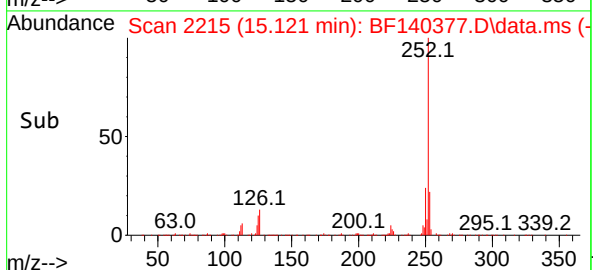
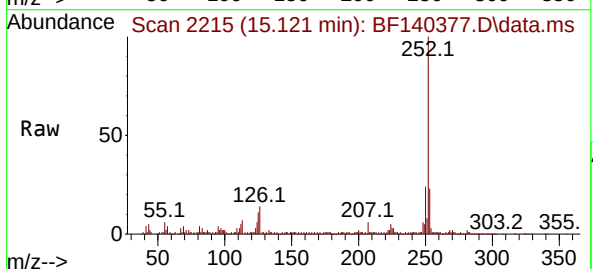
Manual Integrations
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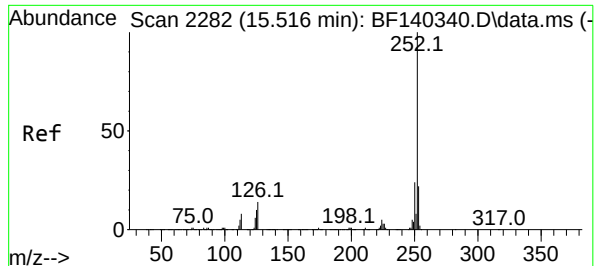
Reviewed By :Yogesh Patel 11/15/2024
Supervised By :mohammad ahmed 11/15/2024



#89
Benzo(k)fluoranthene
Concen: 8.446 ng m
RT: 15.121 min Scan# 2215
Delta R.T. -0.030 min
Lab File: BF140377.D
Acq: 14 Nov 2024 21:54

Tgt Ion:252 Resp: 80593
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 21.705 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL

Tgt Ion:252 Resp: 196874

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.6

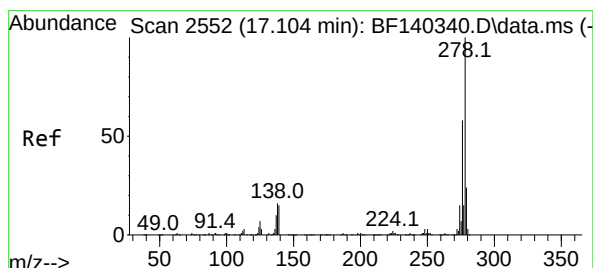
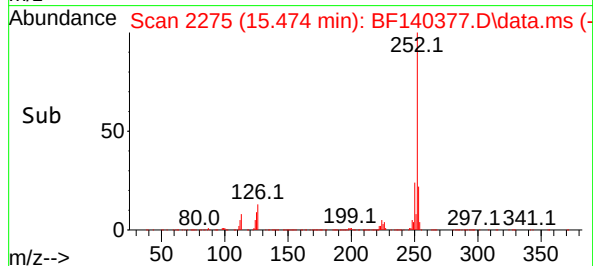
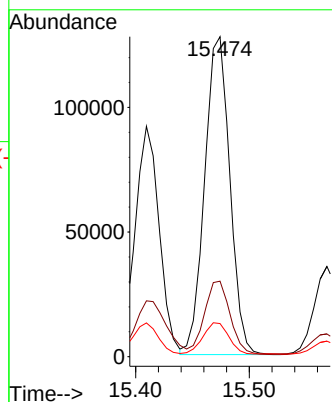
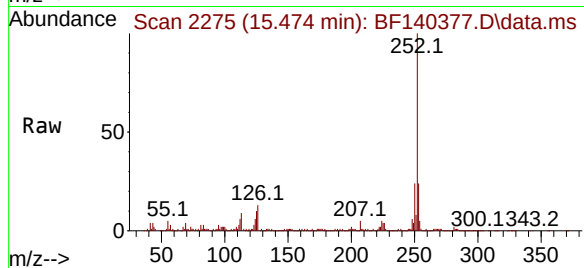
125 10.3 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 3.123 ng

RT: 17.045 min Scan# 2542

Delta R.T. -0.029 min

Lab File: BF140377.D

Acq: 14 Nov 2024 21:54

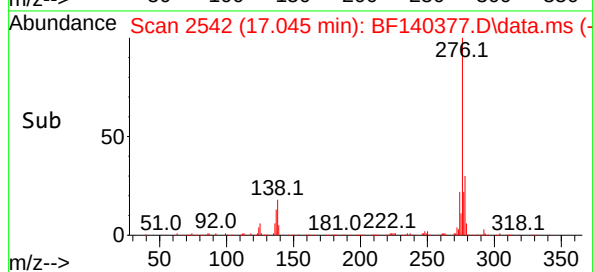
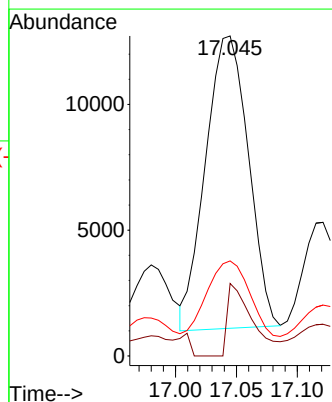
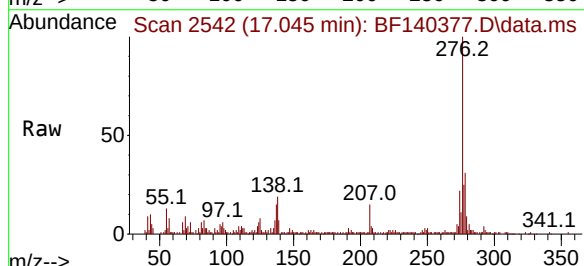
Tgt Ion:278 Resp: 28476

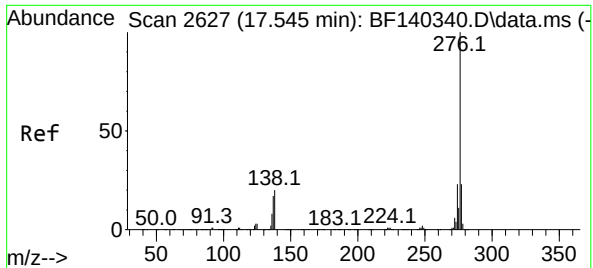
Ion Ratio Lower Upper

278 100

139 22.7 11.8 17.8#

279 29.7 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 12.890 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF140377.D

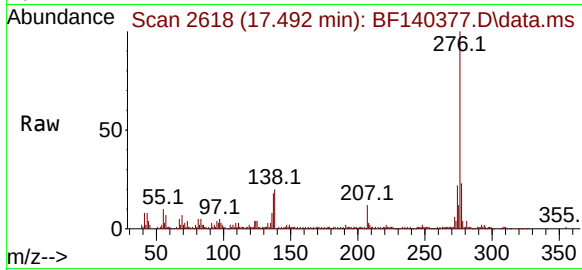
Acq: 14 Nov 2024 21:54

Instrument :

BNA_F

ClientSampleId :

WC-2(0-6)DL



Tgt Ion:276 Resp: 120148

Ion Ratio Lower Upper

276 100

277 23.4 18.6 28.0

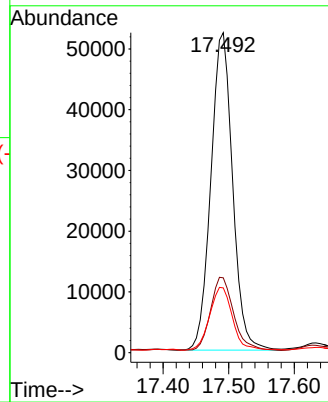
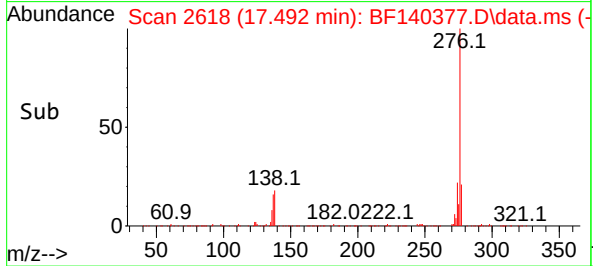
138 20.3 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/15/2024

Supervised By :mohammad ahmed 11/15/2024



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:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1000	U	1000	1900	ug/Kg
108-95-2	Phenol	480	U	480	980	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	480	U	480	980	ug/Kg
95-57-8	2-Chlorophenol	480	U	480	980	ug/Kg
95-48-7	2-Methylphenol	460	U	460	980	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	520	U	520	980	ug/Kg
98-86-2	Acetophenone	500	U	500	980	ug/Kg
65794-96-9	3+4-Methylphenols	460	U	460	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	230	U	230	460	ug/Kg
67-72-1	Hexachloroethane	480	U	480	980	ug/Kg
98-95-3	Nitrobenzene	520	U	520	980	ug/Kg
78-59-1	Isophorone	490	U	490	980	ug/Kg
88-75-5	2-Nitrophenol	540	U	540	980	ug/Kg
105-67-9	2,4-Dimethylphenol	540	U	540	980	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	490	U	490	980	ug/Kg
120-83-2	2,4-Dichlorophenol	440	U	440	980	ug/Kg
91-20-3	Naphthalene	480	U	480	980	ug/Kg
106-47-8	4-Chloroaniline	480	U	480	980	ug/Kg
87-68-3	Hexachlorobutadiene	480	U	480	980	ug/Kg
105-60-2	Caprolactam	500	U	500	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	450	U	450	980	ug/Kg
91-57-6	2-Methylnaphthalene	480	U	480	980	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900	UQ	900	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	410	U	410	980	ug/Kg
95-95-4	2,4,5-Trichlorophenol	430	U	430	980	ug/Kg
92-52-4	1,1-Biphenyl	500	U	500	980	ug/Kg
91-58-7	2-Chloronaphthalene	480	U	480	980	ug/Kg
88-74-4	2-Nitroaniline	550	U	550	980	ug/Kg
131-11-3	Dimethylphthalate	470	U	470	980	ug/Kg

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:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	500	U	500	980	ug/Kg
606-20-2	2,6-Dinitrotoluene	480	U	480	980	ug/Kg
99-09-2	3-Nitroaniline	510	U	510	980	ug/Kg
83-32-9	Acenaphthene	470	U	470	980	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	1900	ug/Kg
100-02-7	4-Nitrophenol	670	U	670	1900	ug/Kg
132-64-9	Dibenzofuran	490	U	490	980	ug/Kg
121-14-2	2,4-Dinitrotoluene	500	U	500	980	ug/Kg
84-66-2	Diethylphthalate	460	U	460	980	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	490	U	490	980	ug/Kg
86-73-7	Fluorene	490	U	490	980	ug/Kg
100-01-6	4-Nitroaniline	620	U	620	980	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	670	U	670	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	470	U	470	980	ug/Kg
101-55-3	4-Bromophenyl-phenylether	450	U	450	980	ug/Kg
118-74-1	Hexachlorobenzene	490	U	490	980	ug/Kg
1912-24-9	Atrazine	530	U	530	980	ug/Kg
87-86-5	Pentachlorophenol	450	U	450	1900	ug/Kg
85-01-8	Phenanthrene	2700		480	980	ug/Kg
120-12-7	Anthracene	610	J	490	980	ug/Kg
86-74-8	Carbazole	460	U	460	980	ug/Kg
84-74-2	Di-n-butylphthalate	490	U	490	980	ug/Kg
206-44-0	Fluoranthene	4600		470	980	ug/Kg
129-00-0	Pyrene	2900		480	980	ug/Kg
85-68-7	Butylbenzylphthalate	560	U	560	980	ug/Kg
91-94-1	3,3-Dichlorobenzidine	570	U	570	1900	ug/Kg
56-55-3	Benzo(a)anthracene	2700		470	980	ug/Kg
218-01-9	Chrysene	2200		460	980	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	520	U	520	980	ug/Kg
117-84-0	Di-n-octyl phthalate	630	U	630	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200		470	980	ug/Kg

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:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		480	980	ug/Kg
50-32-8	Benzo(a)pyrene	2400		540	980	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	990		450	980	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	470	U	470	980	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		460	980	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U	500	980	ug/Kg
123-91-1	1,4-Dioxane	630	U	630	980	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	430	U	430	980	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	86.4		18 - 112	58%	SPK: 150
13127-88-3	Phenol-d6	87.1		15 - 107	58%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.5		18 - 107	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.8		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.8		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	46.1		10 - 105	46%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	116000	6.875
1146-65-2	Naphthalene-d8	438000	8.157
15067-26-2	Acenaphthene-d10	226000	9.916
1517-22-2	Phenanthrene-d10	319000	11.404
1719-03-5	Chrysene-d12	257000	14.051
1520-96-3	Perylene-d12	207000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000613-12-7	Anthracene, 2-methyl-	440	J	11.9	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	680	J	11.9	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	970	J	12.0	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	390	J	12.5	ug/Kg
002381-21-7	Pyrene, 1-methyl-	430	J	13.1	ug/Kg
000238-84-6	11H-Benzo[a]fluorene	540	J	13.2	ug/Kg

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:	P4722-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140280.D	5	11/07/24 09:20	11/07/24 17:32	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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\BF110724\
 Data File : BF140280.D
 Acq On : 07 Nov 2024 17:32
 Operator : RC/JU
 Sample : P4722-13 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:29:43 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	116141	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	437848	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	226170	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	319073	20.000	ng	0.00
76) Chrysene-d12	14.051	240	257317	20.000	ng	-0.01
86) Perylene-d12	15.539	264	207144	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	121092	17.279	ng	0.00
7) Phenol-d6	6.492	99	157081	17.426	ng	-0.01
23) Nitrobenzene-d5	7.434	82	97760	11.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	30744	13.752	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	186479	13.166	ng	-0.01
79) Terphenyl-d14	12.986	244	144934	9.227	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	217036	14.253	ng	99
72) Anthracene	11.480	178	47797	3.201	ng	99
75) Fluoranthene	12.621	202	385234	24.195	ng	99
78) Pyrene	12.851	202	317617	14.950	ng	99
81) Benzo(a)anthracene	14.039	228	230097	13.934	ng	93
83) Chrysene	14.074	228	176165	11.392	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	62975	5.179	ng	95
88) Benzo(b)fluoranthene	15.104	252	210210m	16.777	ng	
89) Benzo(k)fluoranthene	15.121	252	66608m	5.793	ng	
90) Benzo(a)pyrene	15.474	252	127688	12.360	ng	97
92) Benzo(g,h,i)perylene	17.492	276	55538	5.442	ng	95

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

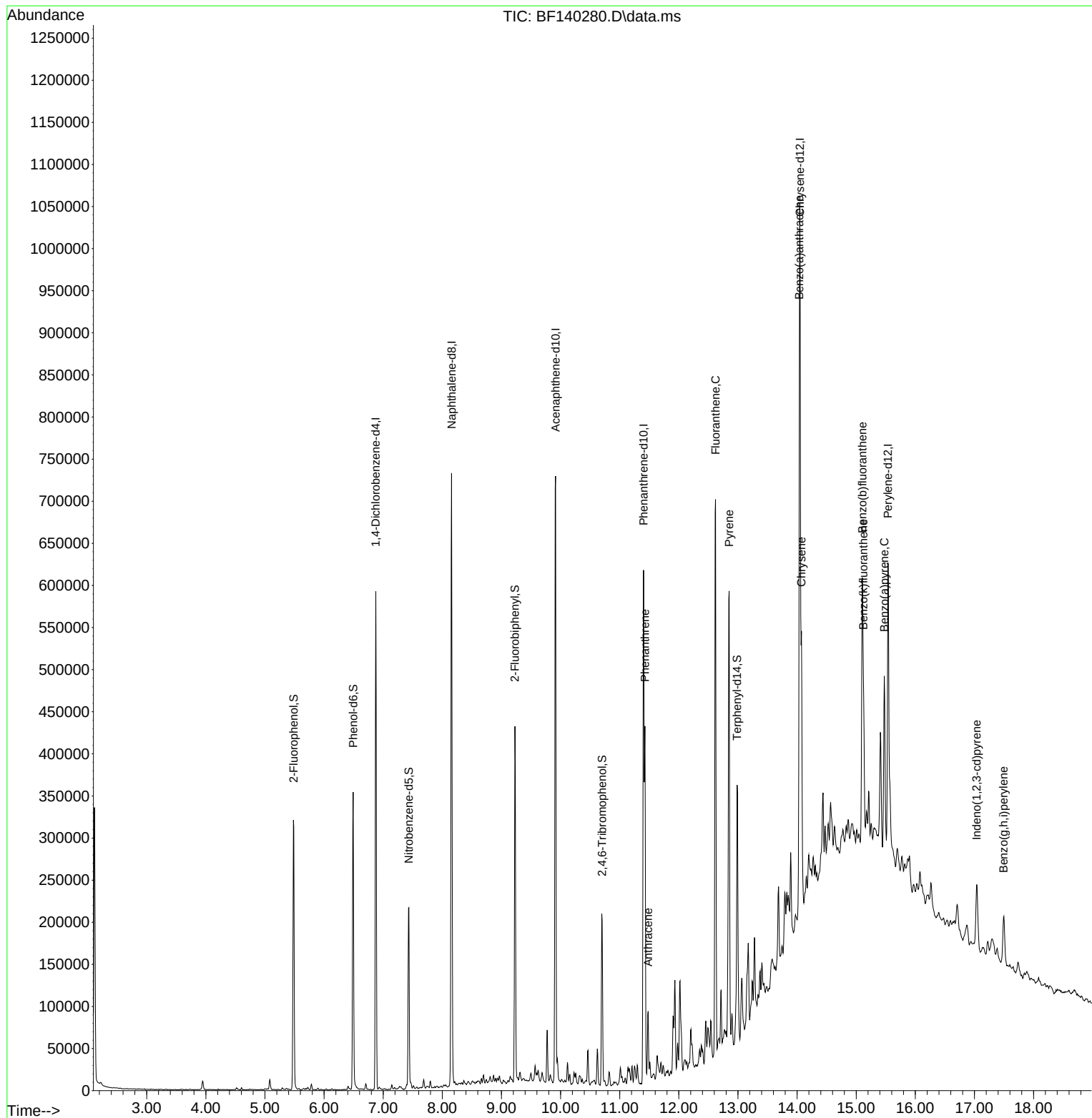
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

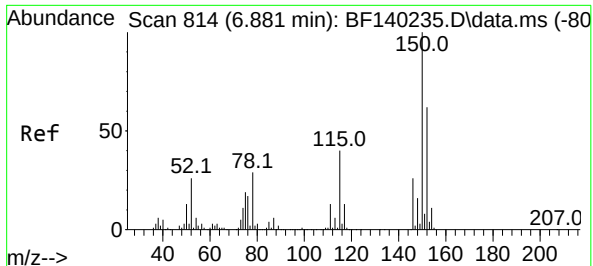
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Quant Time: Nov 08 01:29:43 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

Manual Integrations
APPROVED

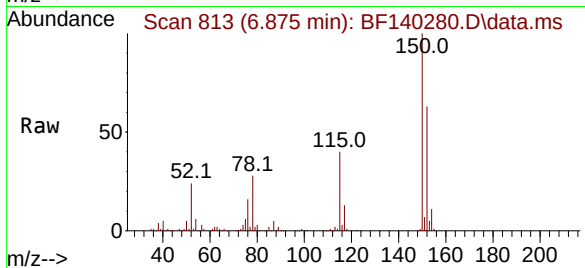
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

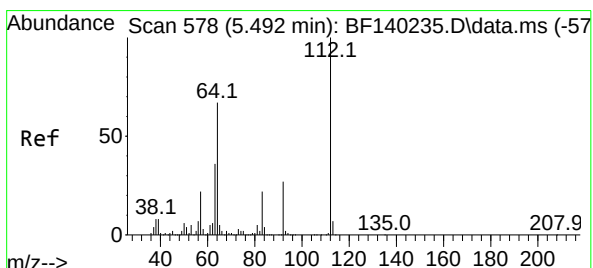
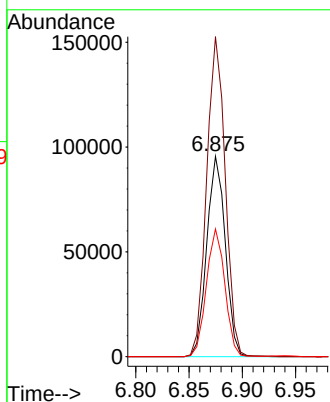
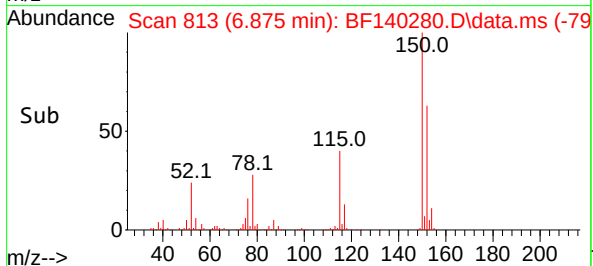
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion:152 Resp: 11614
Ion Ratio Lower Upper
152 100
150 159.7 129.4 194.2
115 63.7 51.5 77.3

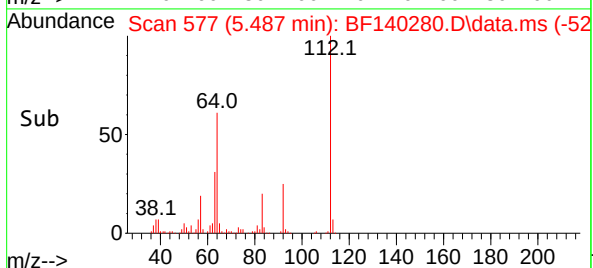
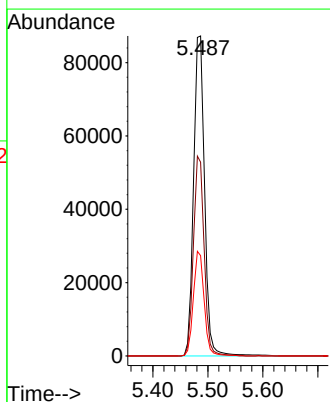
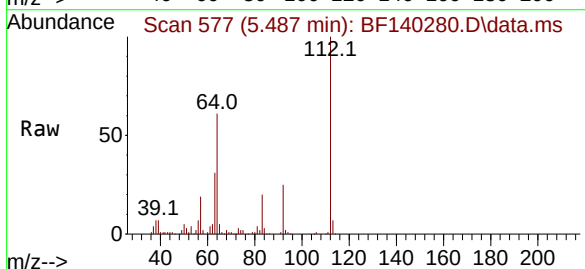
Manual Integrations
APPROVED

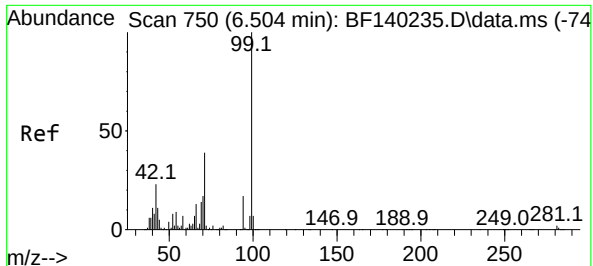
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 17.279 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

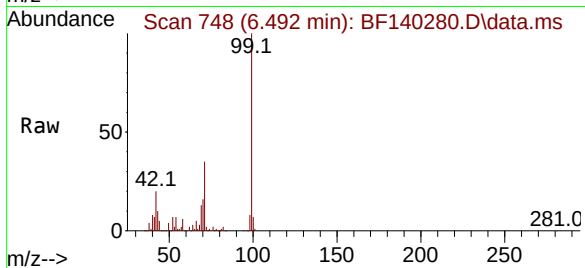
Tgt Ion:112 Resp: 121092
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 31.4 28.9 43.3





#7
Phenol-d6
Concen: 17.426 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

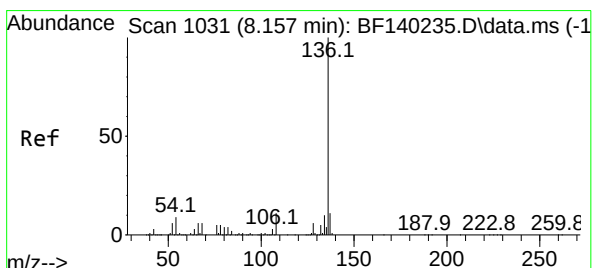
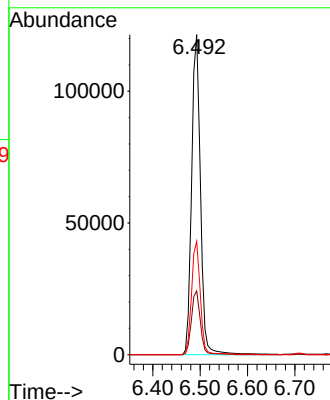
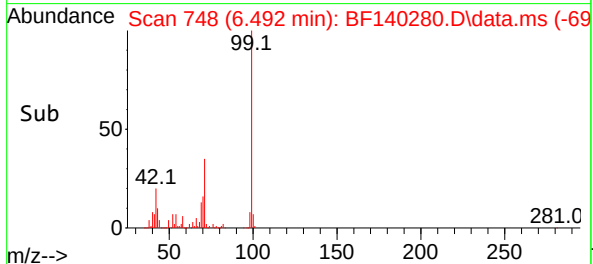
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion: 99 Resp: 15708
Ion Ratio Lower Upper
99 100
42 19.9 18.2 27.2
71 35.4 30.9 46.3

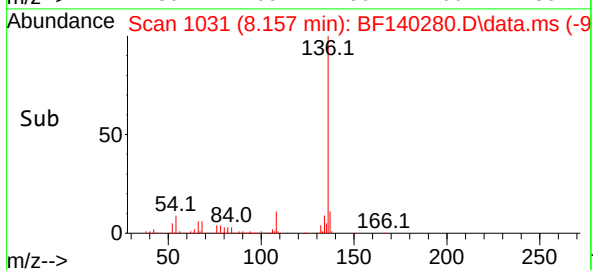
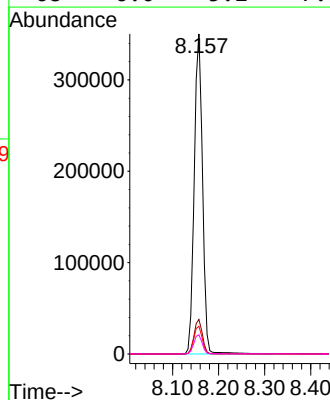
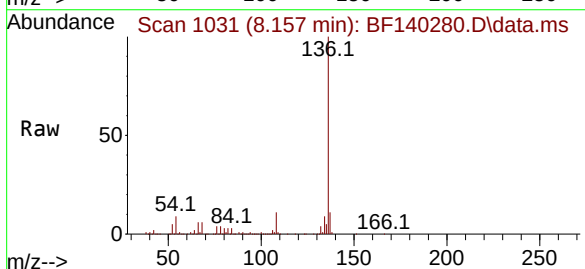
Manual Integrations
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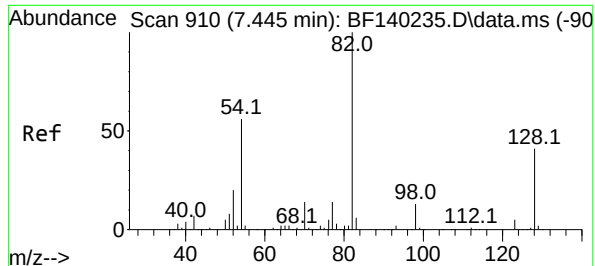
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

Tgt Ion:136 Resp: 437848
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 8.7 7.7 11.5
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 11.101 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion: 82 Resp: 97760

Ion Ratio Lower Upper

82 100

128 41.2 32.8 49.2

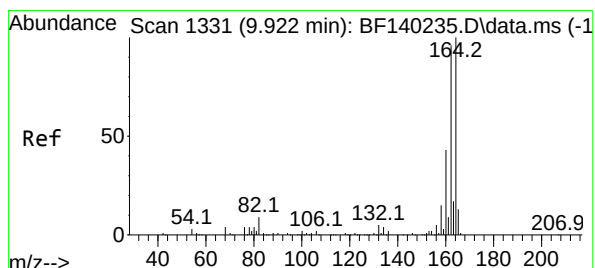
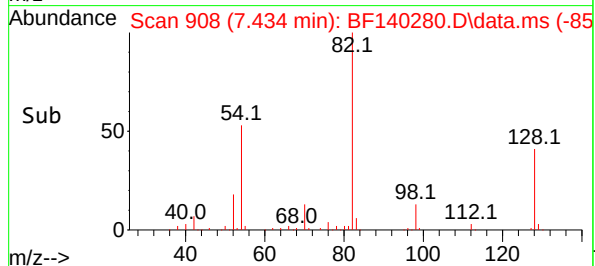
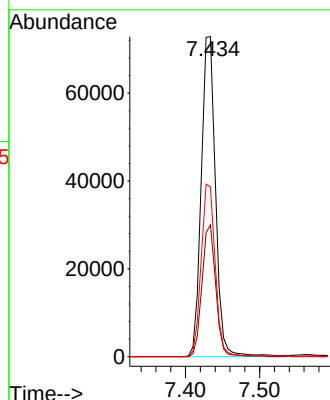
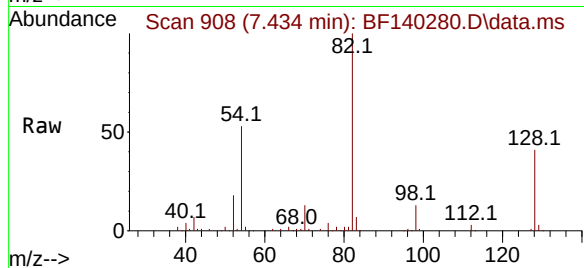
54 53.1 44.3 66.5

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.006 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

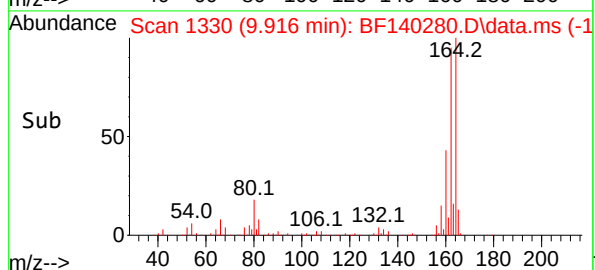
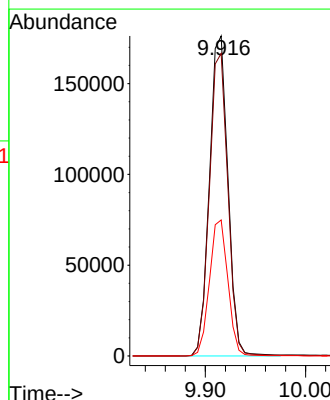
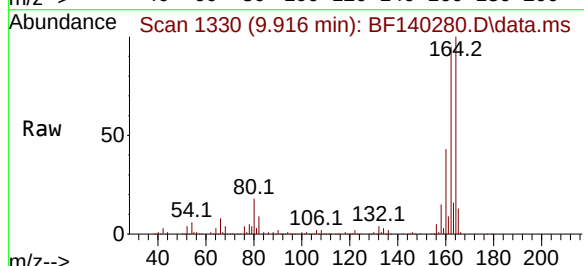
Tgt Ion:164 Resp: 226170

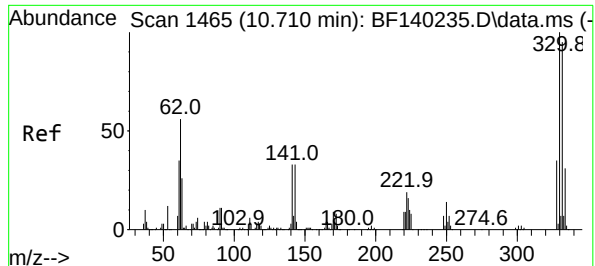
Ion Ratio Lower Upper

164 100

162 94.6 77.0 115.4

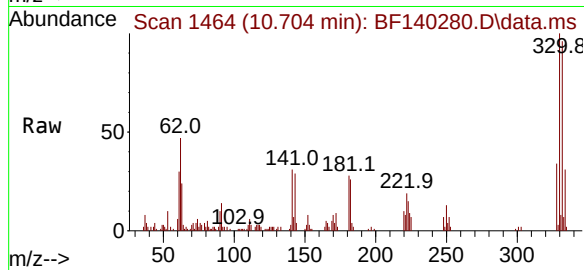
160 42.5 34.1 51.1





#42
2,4,6-Tribromophenol
Concen: 13.752 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

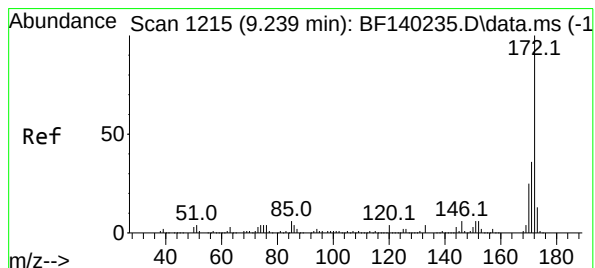
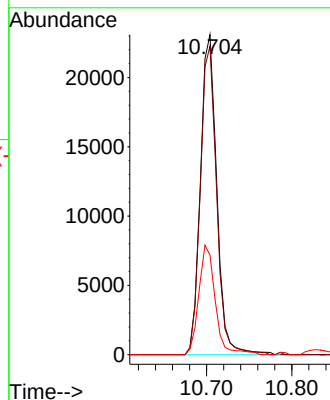
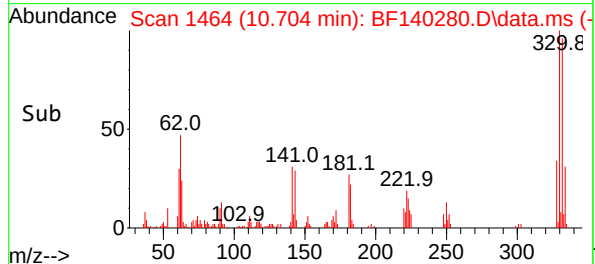
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



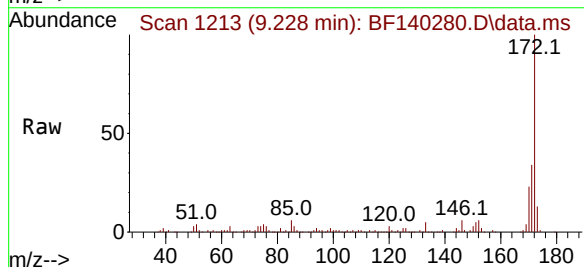
Tgt Ion: 330 Resp: 30744
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 34.5 27.0 40.4

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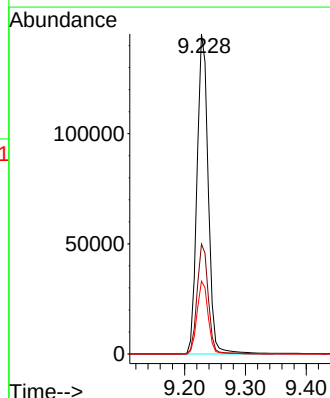
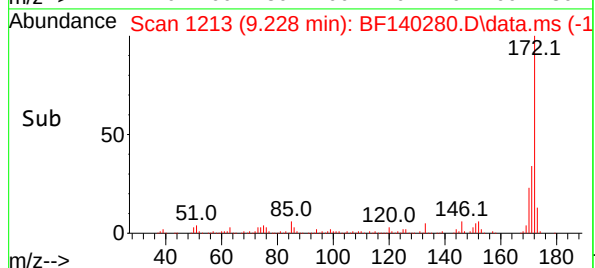
Reviewed By : Yogesh Patel 11/08/2024
Supervised By : mohammad ahmed 11/11/2024

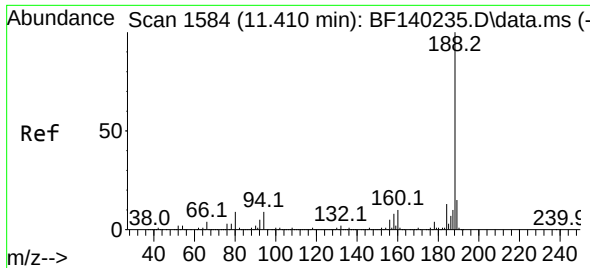


#45
2-Fluorobiphenyl
Concen: 13.166 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32



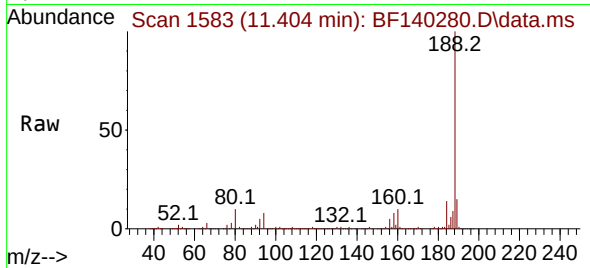
Tgt Ion: 172 Resp: 186479
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 22.8 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

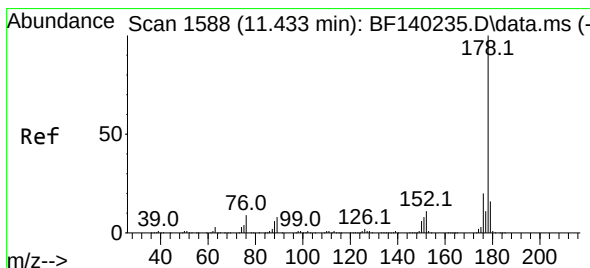
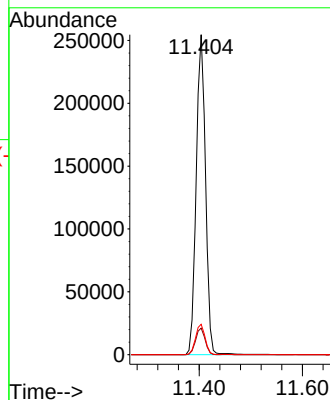
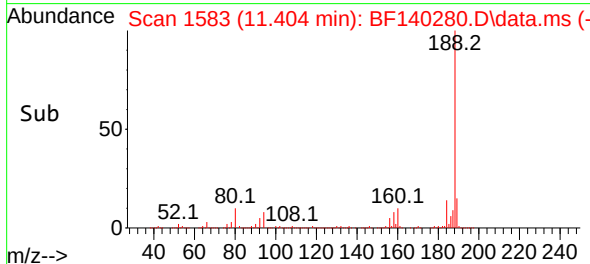
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)



Tgt Ion:188 Resp: 31907
Ion Ratio Lower Upper
188 100
94 8.3 6.9 10.3
80 9.5 7.5 11.3

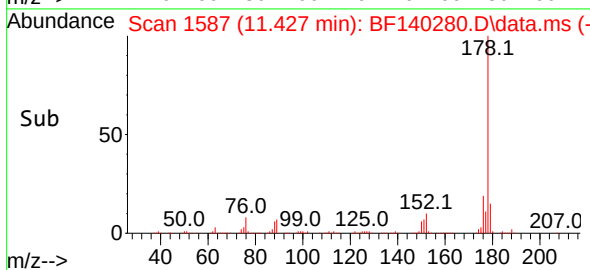
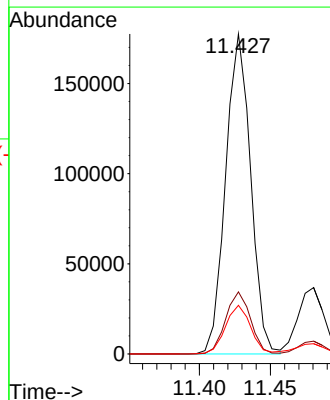
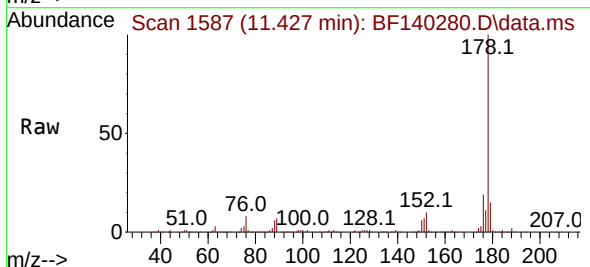
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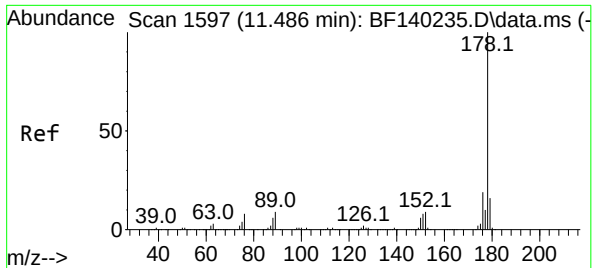
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 14.253 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140280.D
Acq: 07 Nov 2024 17:32

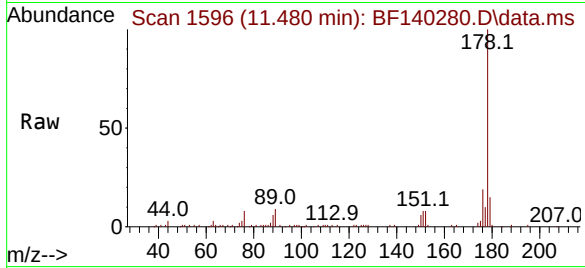
Tgt Ion:178 Resp: 217036
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.2 12.6 18.8





#72
 Anthracene
 Concen: 3.201 ng
 RT: 11.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

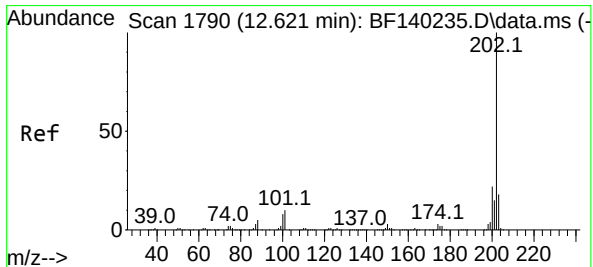
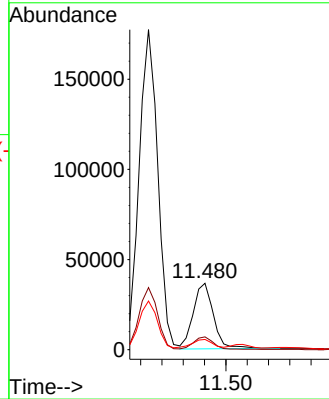
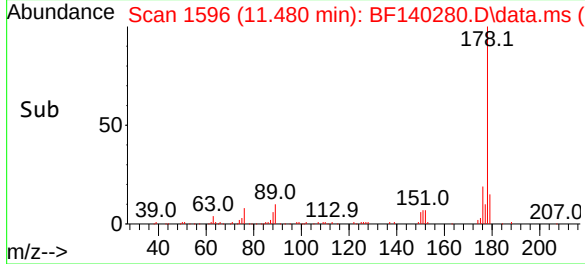
Instrument :
 BNA_F
 ClientSampleId :
 WC-3(0-6)



Tgt Ion:178 Resp: 4779
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.4 12.7 19.1

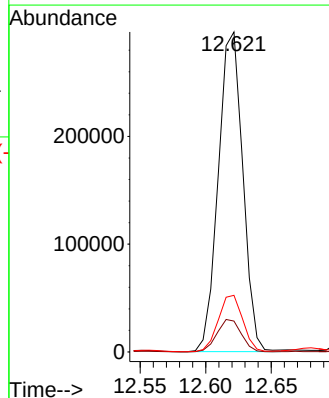
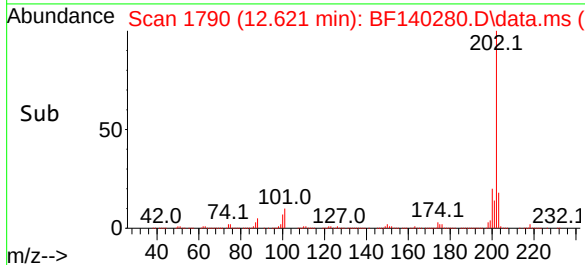
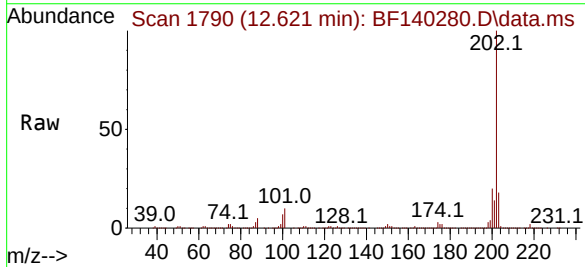
Manual Integrations
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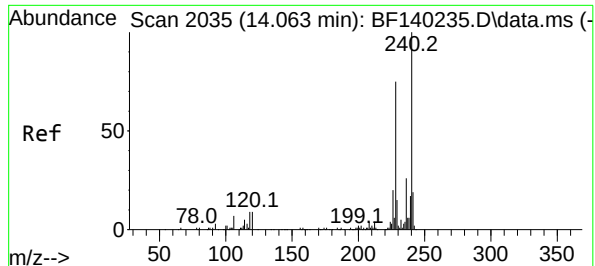
Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



#75
 Fluoranthene
 Concen: 24.195 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140280.D
 Acq: 07 Nov 2024 17:32

Tgt Ion:202 Resp: 385234
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.4
 203 17.7 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:240 Resp: 25731

Ion Ratio Lower Upper

240 100

120 9.6 7.5 11.3

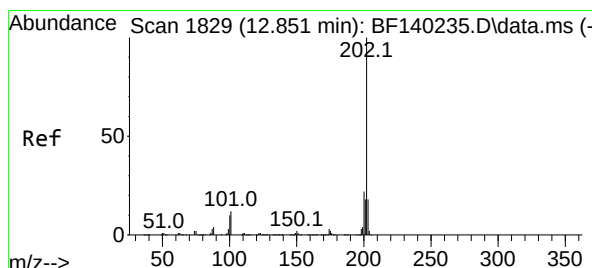
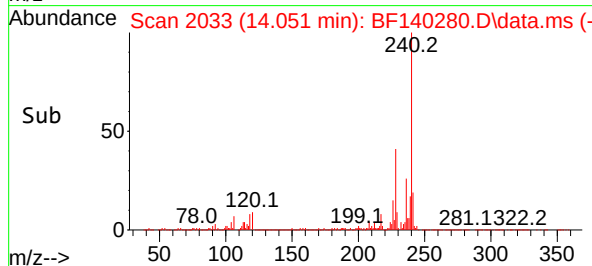
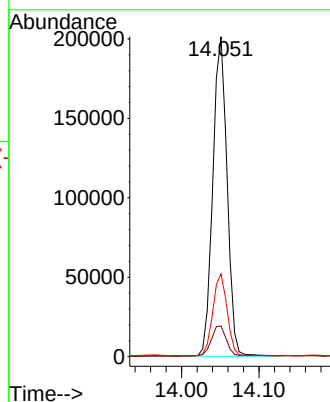
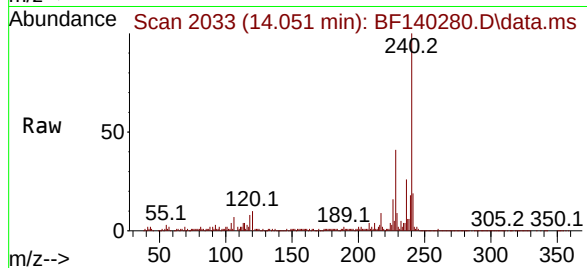
236 25.9 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#78

Pyrene

Concen: 14.950 ng

RT: 12.851 min Scan# 1829

Delta R.T. 0.000 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

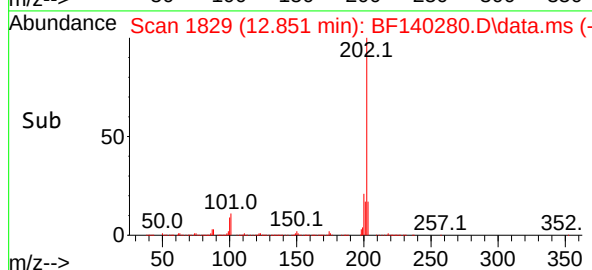
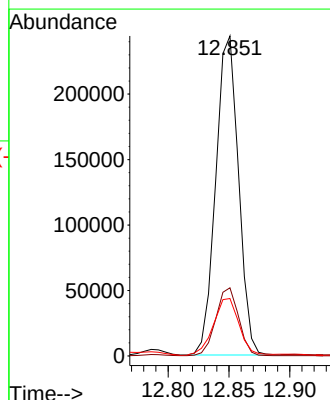
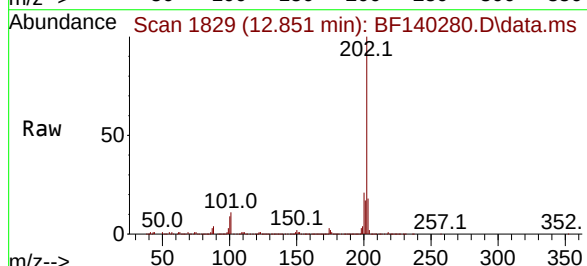
Tgt Ion:202 Resp: 317617

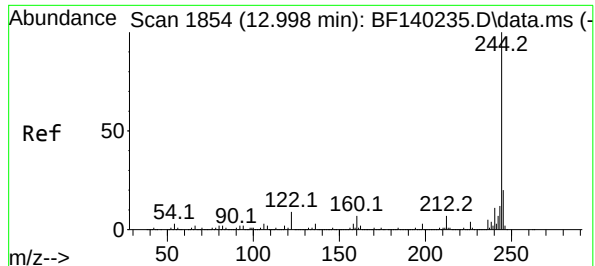
Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

203 18.0 14.4 21.6





#79

Terphenyl-d14

Concen: 9.227 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF140280.D

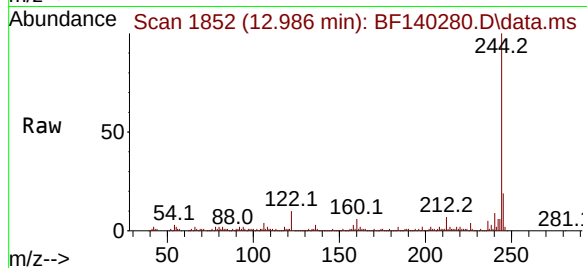
Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)



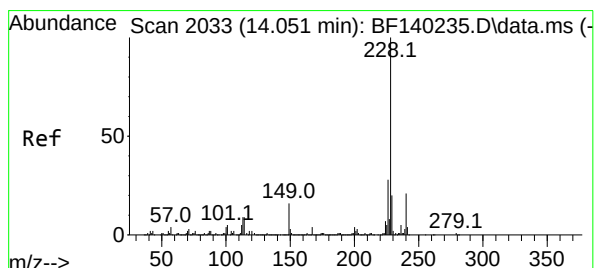
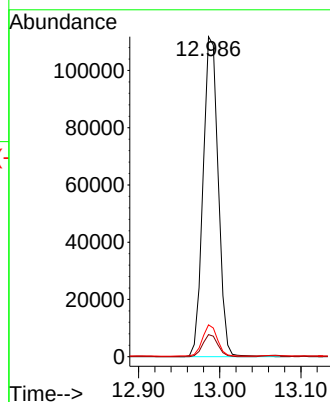
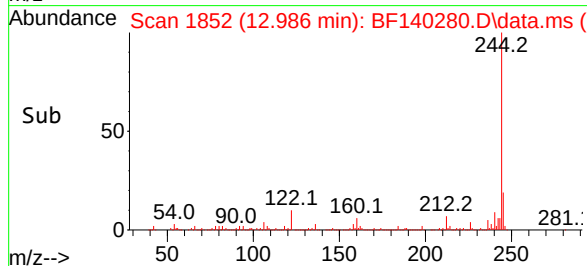
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.9	7.6	11.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#81

Benzo(a)anthracene

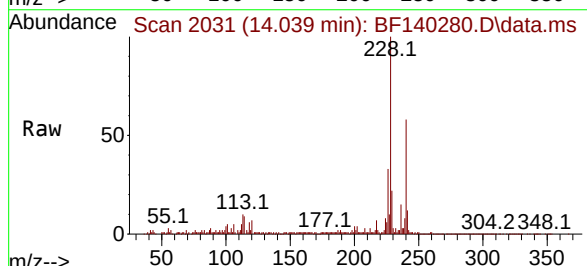
Concen: 13.934 ng

RT: 14.039 min Scan# 2031

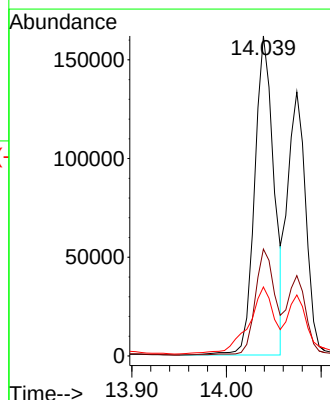
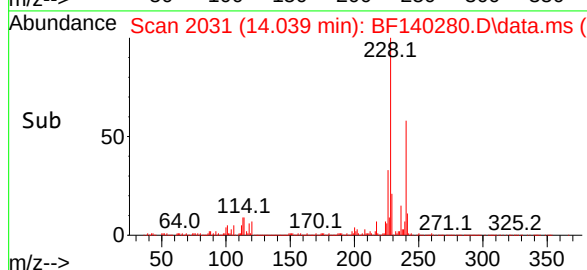
Delta R.T. -0.012 min

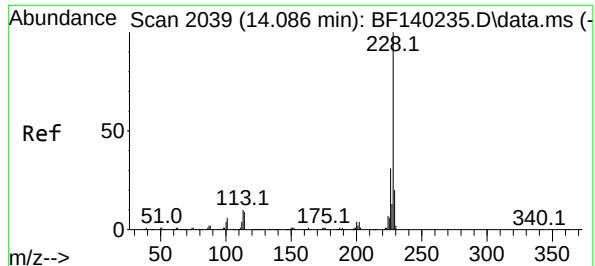
Lab File: BF140280.D

Acq: 07 Nov 2024 17:32



Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.3	33.5
229	21.5	16.1	24.1





#83

Chrysene

Concen: 11.392 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:228 Resp: 17616

Ion Ratio Lower Upper

228 100

226 30.4 24.6 36.8

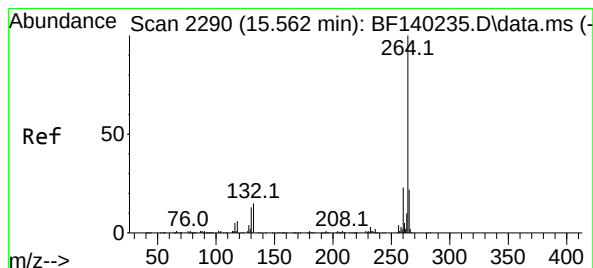
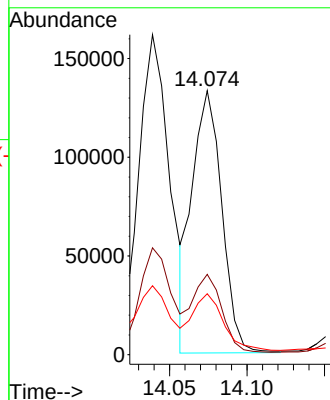
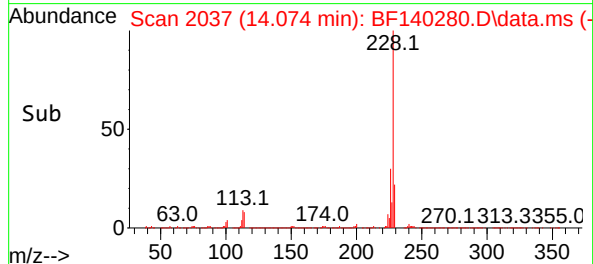
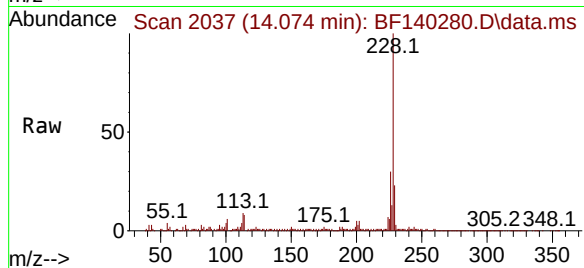
229 23.1 16.1 24.1

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.024 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

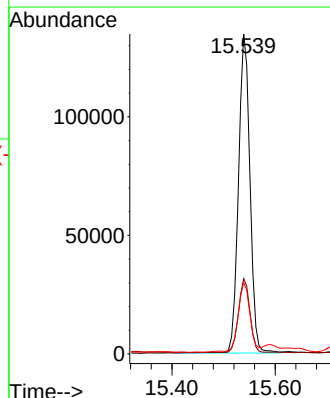
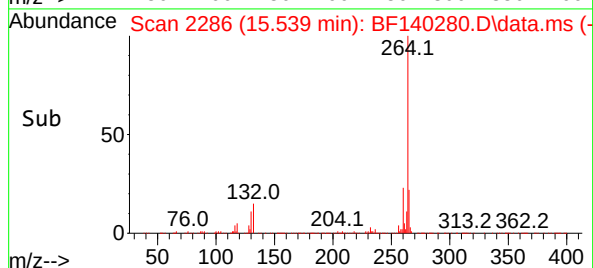
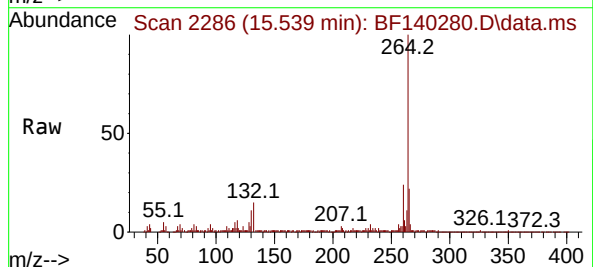
Tgt Ion:264 Resp: 207144

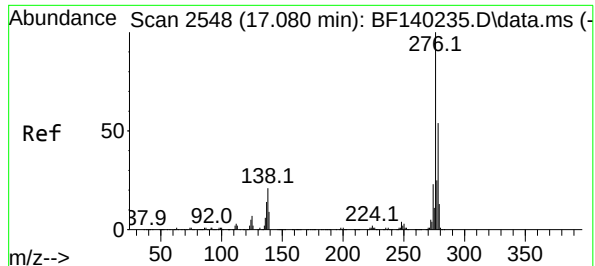
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.179 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:276 Resp: 6297

Ion Ratio Lower Upper

276 100

138 18.1 17.6 26.4

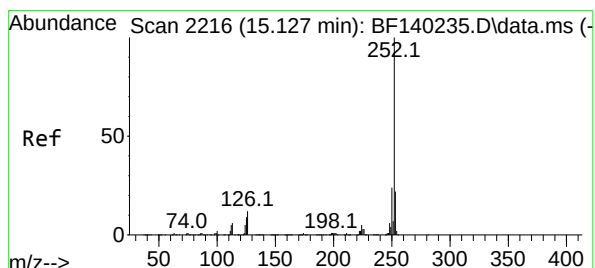
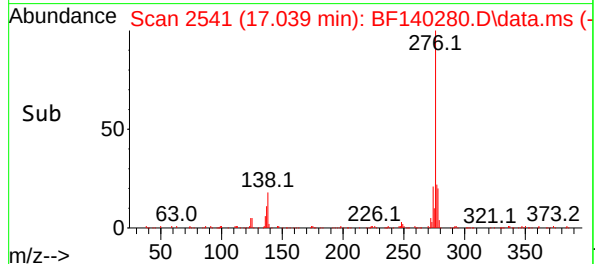
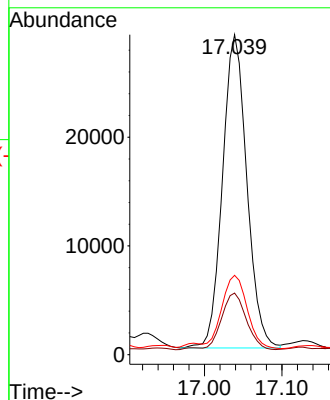
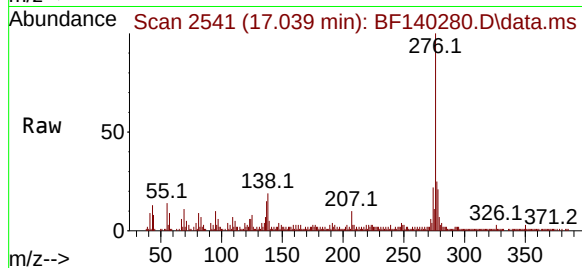
277 24.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#88

Benzo(b)fluoranthene

Concen: 16.777 ng m

RT: 15.104 min Scan# 2212

Delta R.T. -0.024 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

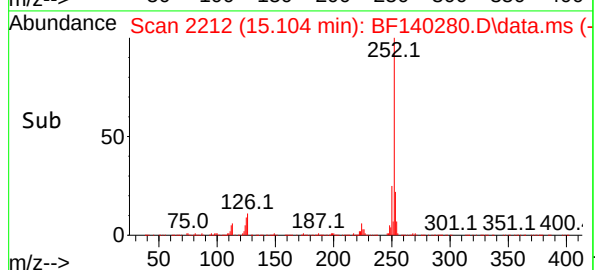
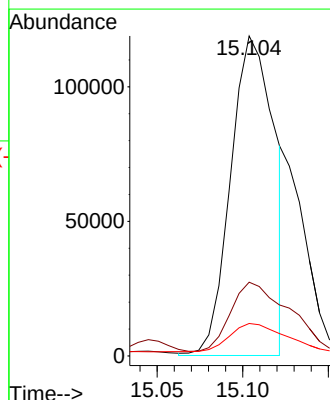
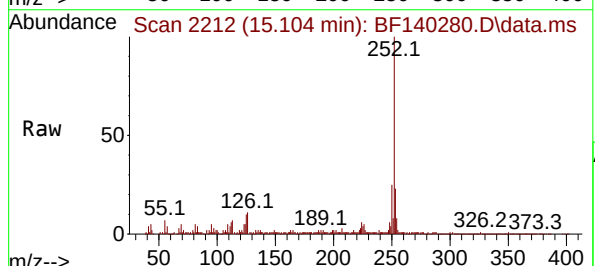
Tgt Ion:252 Resp: 210210

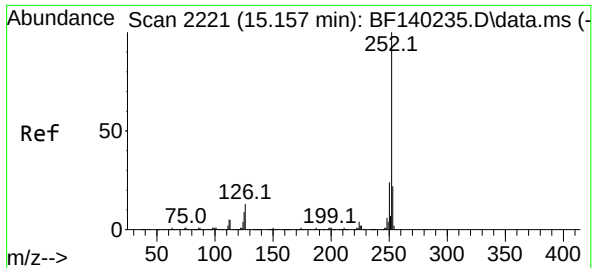
Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

125 10.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 5.793 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)

Tgt Ion:252 Resp: 66608

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

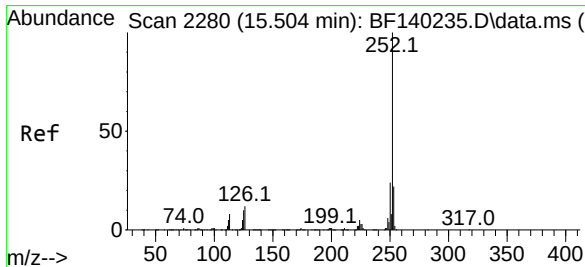
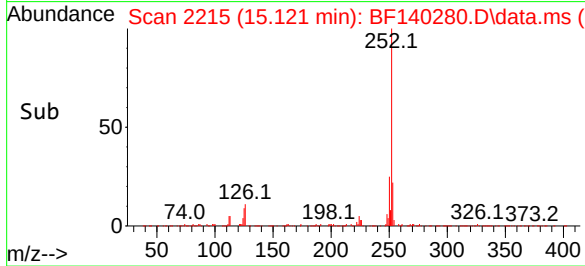
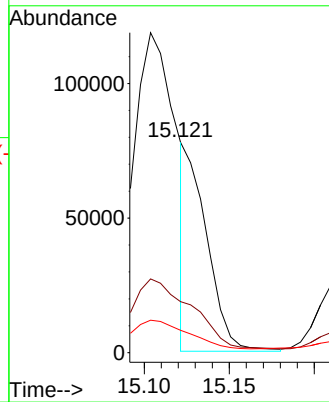
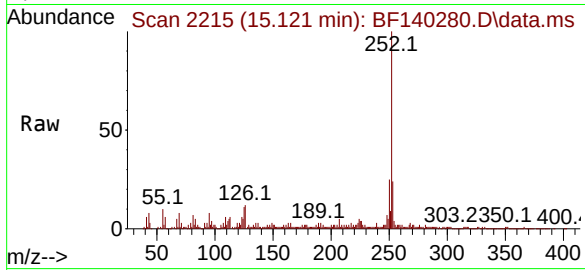
125 10.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 12.360 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.029 min

Lab File: BF140280.D

Acq: 07 Nov 2024 17:32

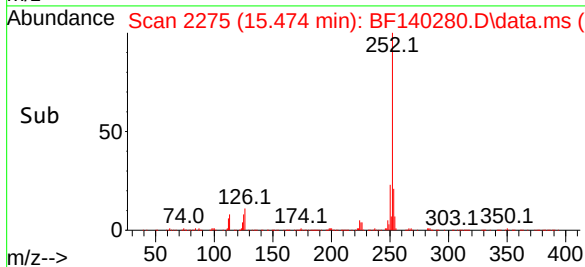
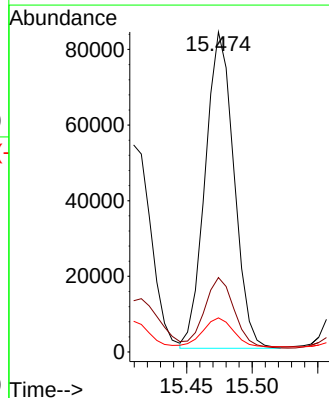
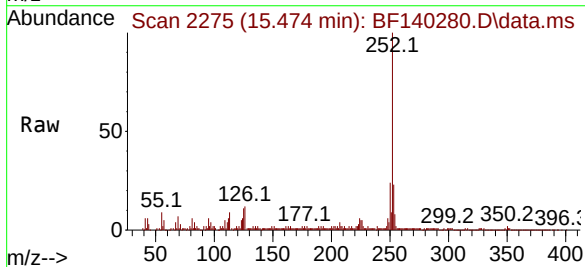
Tgt Ion:252 Resp: 127688

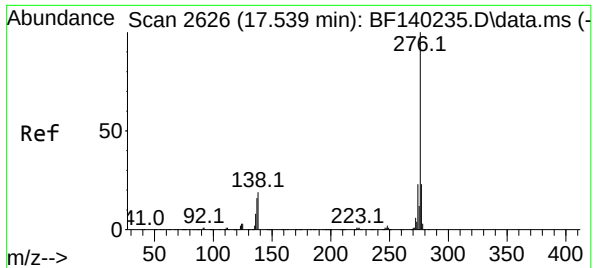
Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 10.7 7.6 11.4





#92

Benzo(g,h,i)perylene

Concen: 5.442 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF140280.D

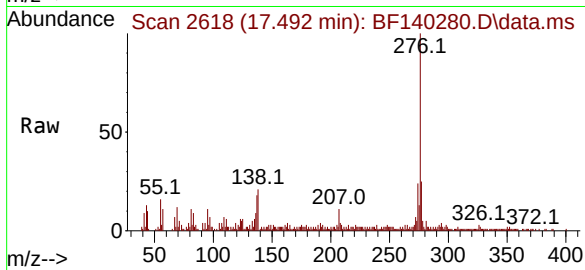
Acq: 07 Nov 2024 17:32

Instrument :

BNA_F

ClientSampleId :

WC-3(0-6)



Tgt Ion:276 Resp: 55538

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

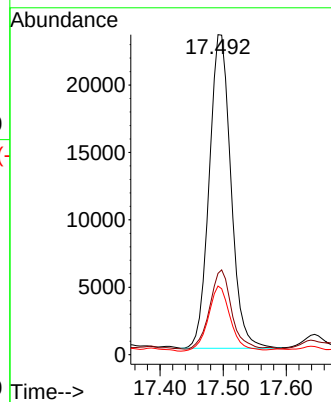
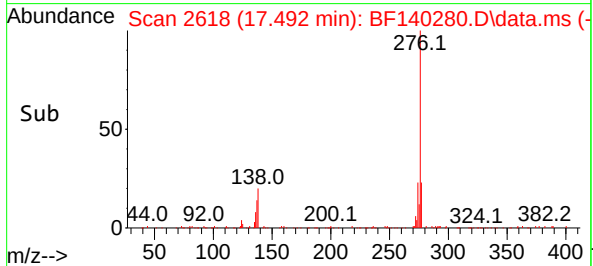
138 21.5 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140280.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.946	306	315	320	rBV	10179	16508	1.16%	0.117%
2	5.081	504	508	515	rVB	11569	17097	1.20%	0.121%
3	5.481	568	576	589	rBV	320222	440594	30.96%	3.127%
4	6.492	742	748	763	rBV	352814	459100	32.26%	3.259%
5	6.875	808	813	818	rBV	591381	714533	50.20%	5.072%
6	7.434	903	908	912	rBV	210369	269982	18.97%	1.916%
7	7.687	944	951	956	rVB5	10075	14264	1.00%	0.101%
8	8.157	1021	1031	1038	rBV	728571	929818	65.33%	6.600%
9	8.969	1165	1169	1176	rVB	9135	15488	1.09%	0.110%
10	9.228	1208	1213	1220	rBV	422550	529799	37.22%	3.760%
11	9.316	1223	1228	1233	rVB5	9734	17022	1.20%	0.121%
12	9.569	1267	1271	1274	rVV	18243	27339	1.92%	0.194%
13	9.622	1277	1280	1286	rVB4	12999	19935	1.40%	0.141%
14	9.686	1286	1291	1301	rVB3	11617	23066	1.62%	0.164%
15	9.775	1301	1306	1311	rBV	62258	79818	5.61%	0.567%
16	9.828	1311	1315	1322	rVB5	9668	17505	1.23%	0.124%
17	9.916	1322	1330	1334	rBV	720568	948608	66.65%	6.733%
18	9.945	1334	1335	1344	rVB2	27044	25949	1.82%	0.184%
19	10.116	1360	1364	1368	rBV	23241	28629	2.01%	0.203%
20	10.157	1368	1371	1375	rVB	12221	15652	1.10%	0.111%
21	10.228	1379	1383	1386	rBV2	13248	19856	1.40%	0.141%
22	10.257	1386	1388	1394	rVB2	12339	14400	1.01%	0.102%
23	10.322	1394	1399	1401	rBV2	9757	16217	1.14%	0.115%
24	10.463	1419	1423	1429	rVB2	41007	57961	4.07%	0.411%
25	10.622	1445	1450	1458	rVB2	43400	61919	4.35%	0.439%
26	10.698	1458	1463	1469	rBV	204040	275088	19.33%	1.952%
27	10.822	1479	1484	1489	rVB3	16278	26527	1.86%	0.188%
28	11.010	1508	1516	1519	rBV2	20878	35776	2.51%	0.254%
29	11.139	1534	1538	1540	rBV	18992	27084	1.90%	0.192%
30	11.210	1546	1550	1553	rVB	18751	23093	1.62%	0.164%
31	11.251	1553	1557	1562	rVV2	19434	36065	2.53%	0.256%
32	11.298	1562	1565	1572	rVB	22224	31310	2.20%	0.222%
33	11.404	1578	1583	1585	rBV	609881	806494	56.66%	5.724%
34	11.427	1585	1587	1592	rVV	423569	466561	32.78%	3.312%
35	11.480	1592	1596	1599	rVV	83872	114303	8.03%	0.811%
36	11.510	1599	1601	1605	rVV2	22739	28147	1.98%	0.200%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.574	1607	1612	1616	rVV6	7192	15334	1.08%	0.109%
38	11.633	1616	1622	1629	rVV3	28079	64042	4.50%	0.455%
39	11.698	1630	1633	1636	rVV2	17068	24516	1.72%	0.174%
40	11.733	1636	1639	1644	rVB3	12485	19249	1.35%	0.137%
41	11.904	1663	1668	1670	rBV	68813	92894	6.53%	0.659%
42	11.933	1670	1673	1677	rVV	108718	142481	10.01%	1.011%
43	11.980	1677	1681	1684	rVV	32168	44553	3.13%	0.316%
44	12.022	1684	1688	1696	rVB2	105981	203643	14.31%	1.445%
45	12.104	1696	1702	1705	rBV6	12640	29109	2.05%	0.207%
46	12.204	1715	1719	1721	rBV	39788	54728	3.85%	0.388%
47	12.351	1741	1744	1747	rBV	14405	18331	1.29%	0.130%
48	12.380	1747	1749	1752	rBV	13842	16240	1.14%	0.115%
49	12.457	1757	1762	1765	rBV	50983	82129	5.77%	0.583%
50	12.492	1765	1768	1773	rVV3	31169	58562	4.11%	0.416%
51	12.539	1773	1776	1782	rVB	43613	65860	4.63%	0.467%
52	12.621	1784	1790	1794	rBV	660778	870625	61.17%	6.179%
53	12.680	1794	1800	1802	rBV2	13094	25714	1.81%	0.183%
54	12.716	1802	1806	1809	rVV	63936	76453	5.37%	0.543%
55	12.851	1822	1829	1834	rBV2	529660	797423	56.03%	5.660%
56	12.898	1834	1837	1842	rVB2	37469	52537	3.69%	0.373%
57	12.986	1844	1852	1860	rBV2	307088	521306	36.63%	3.700%
58	13.069	1860	1866	1873	rBV3	72482	157821	11.09%	1.120%
59	13.174	1876	1884	1888	rBV2	95957	199987	14.05%	1.419%
60	13.239	1893	1895	1898	rVV2	34498	43663	3.07%	0.310%
61	13.280	1898	1902	1909	rVB2	81356	121822	8.56%	0.865%
62	13.374	1915	1918	1920	rBV	29762	32163	2.26%	0.228%
63	13.404	1920	1923	1927	rVV2	33062	43049	3.02%	0.306%
64	13.686	1967	1971	1976	rBV	83229	107610	7.56%	0.764%
65	13.792	1986	1989	1992	rBV2	55975	85856	6.03%	0.609%
66	13.892	2003	2006	2014	rVB	95434	132967	9.34%	0.944%
67	14.045	2027	2032	2036	rBV2	833534	1423267	100.00%	10.102%
68	15.104	2207	2212	2221	rBV	310338	704544	49.50%	5.001%
69	15.474	2271	2275	2281	rBV	196994	315135	22.14%	2.237%
70	15.539	2282	2286	2307	rVB2	360727	793969	55.78%	5.635%

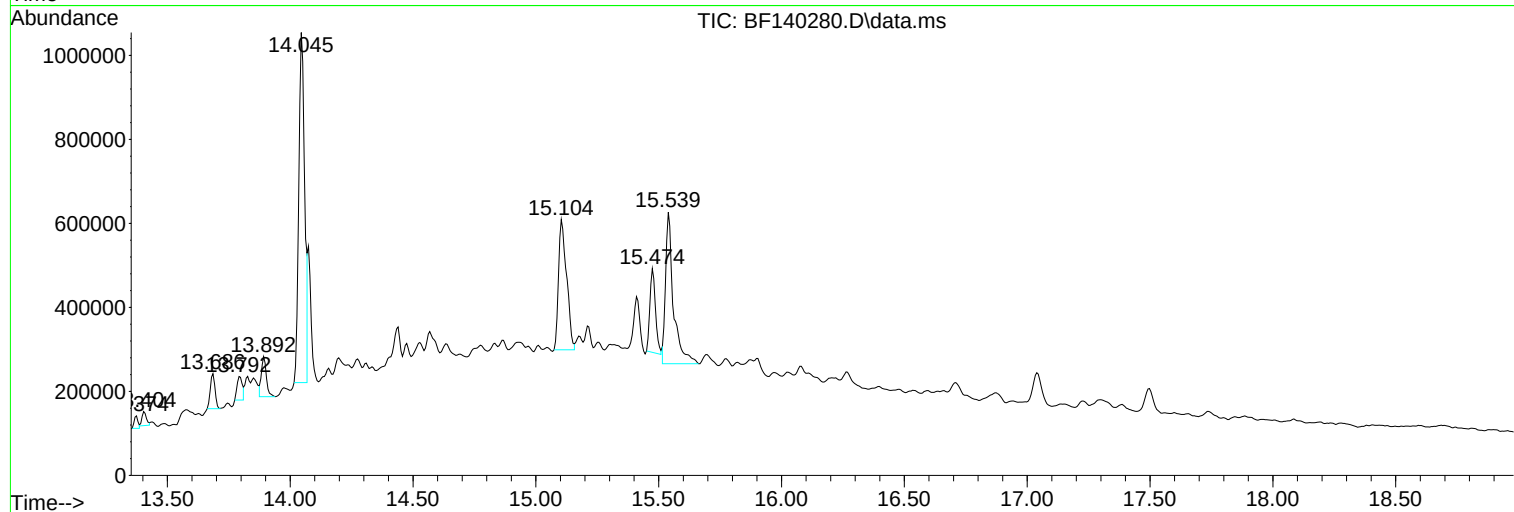
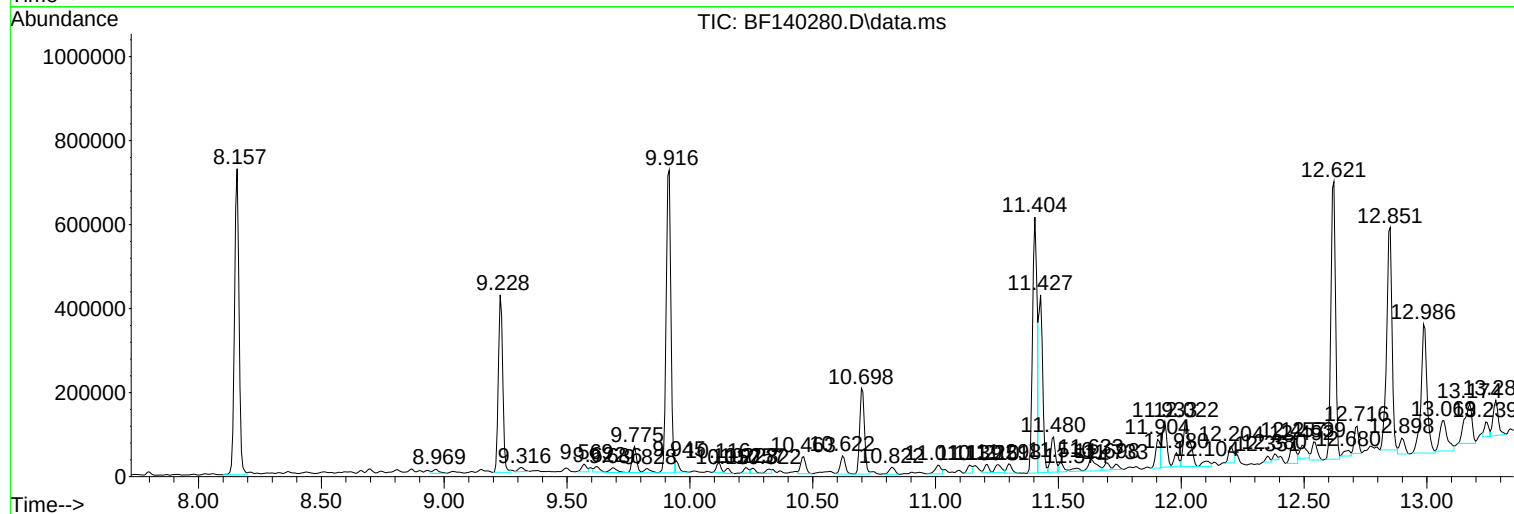
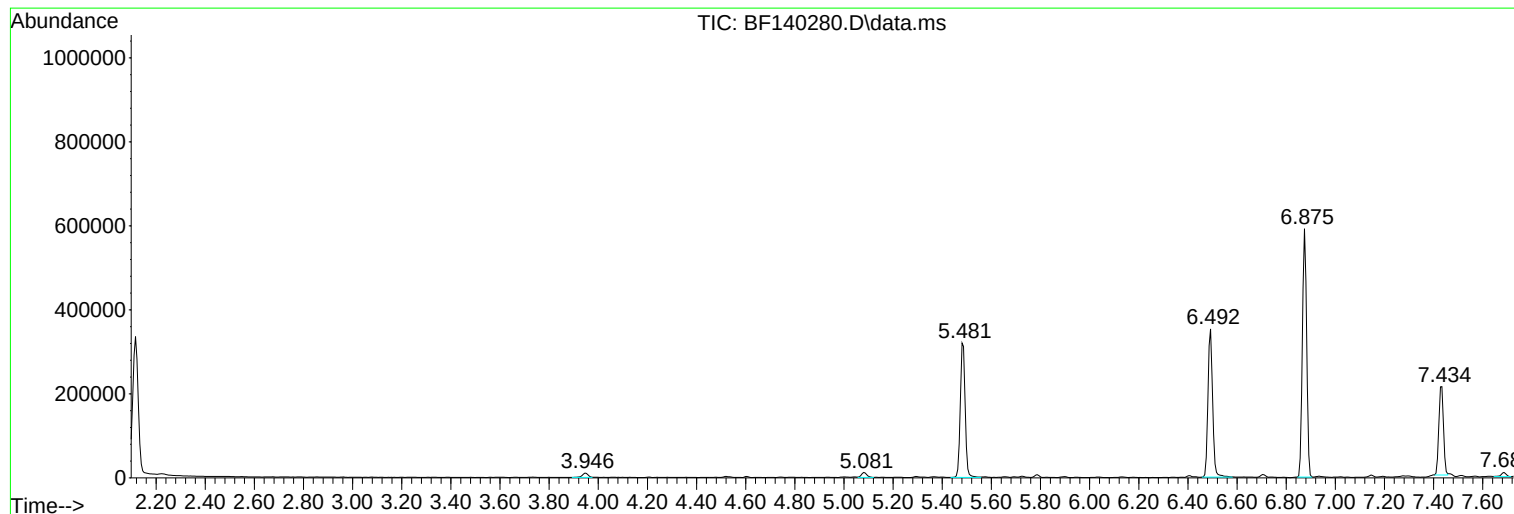
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

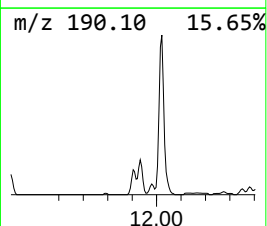
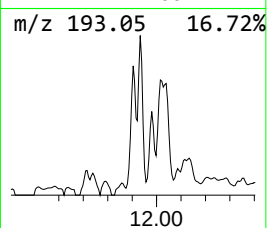
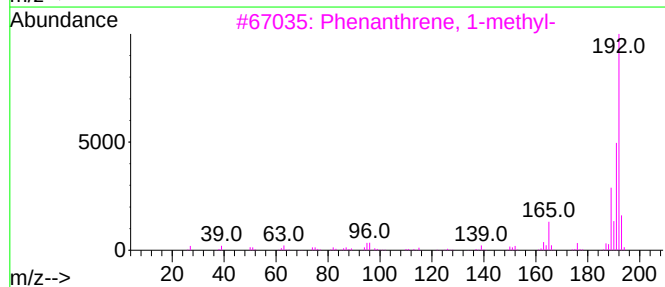
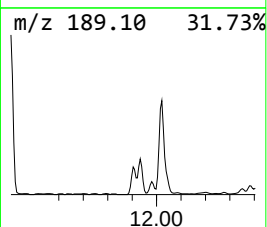
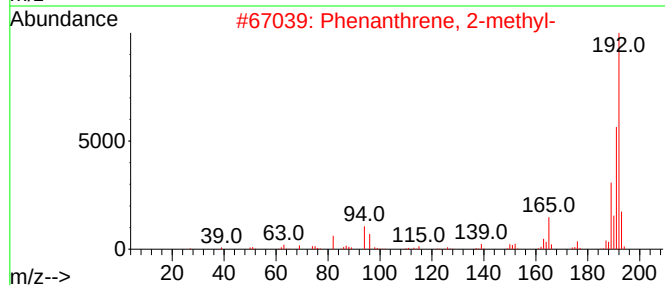
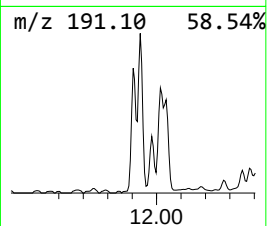
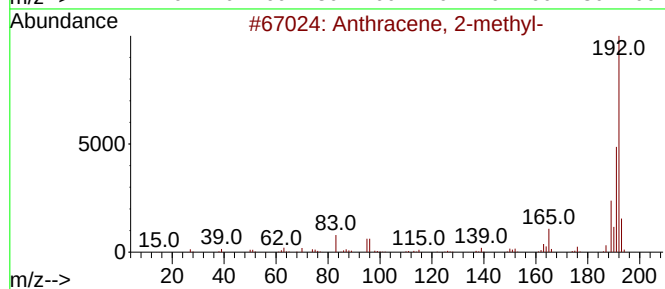
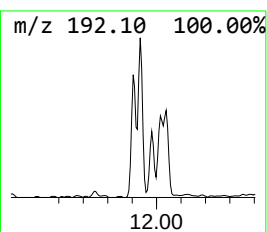
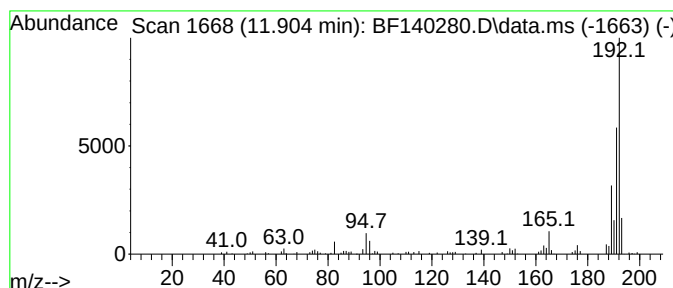
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	2.30 ng	92894	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

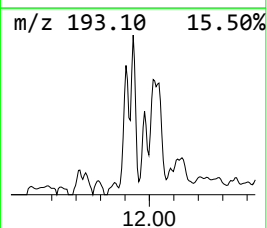
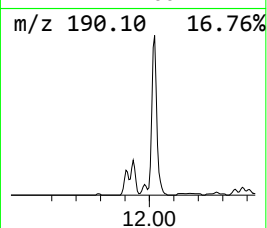
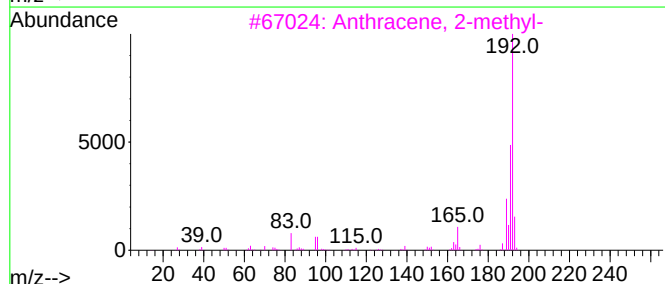
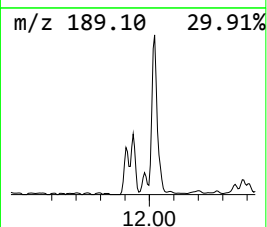
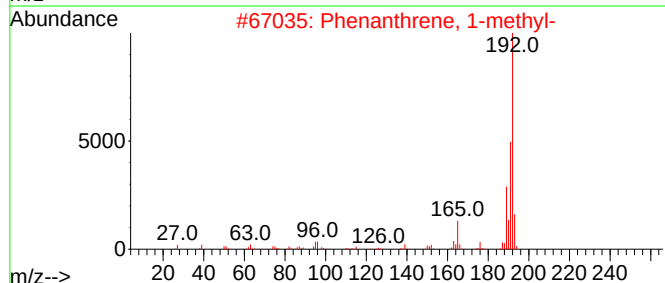
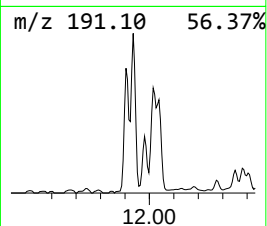
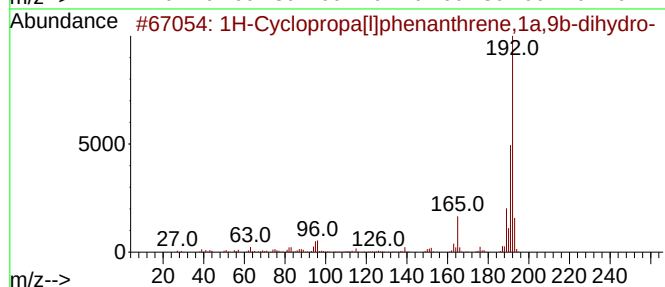
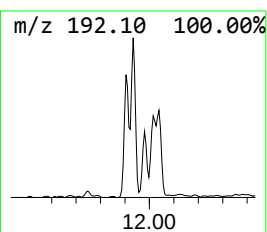
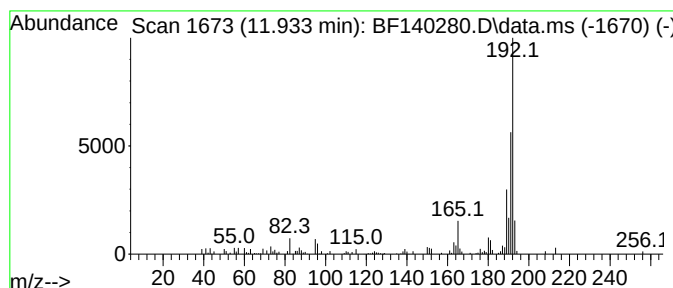
Instrument :
BNA_F
ClientSampleId :
WC-3(0-6)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.933	3.53 ng	142481	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

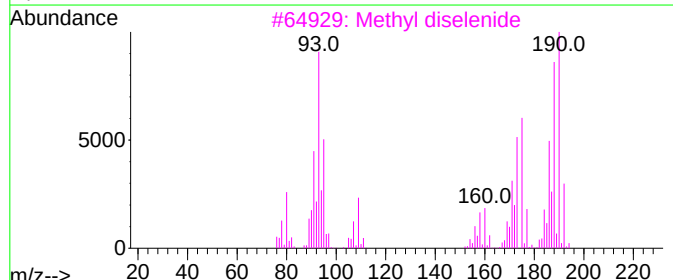
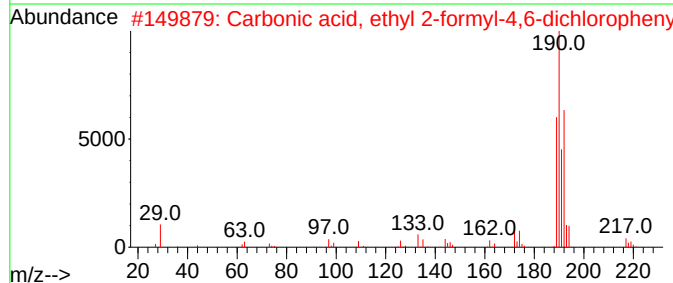
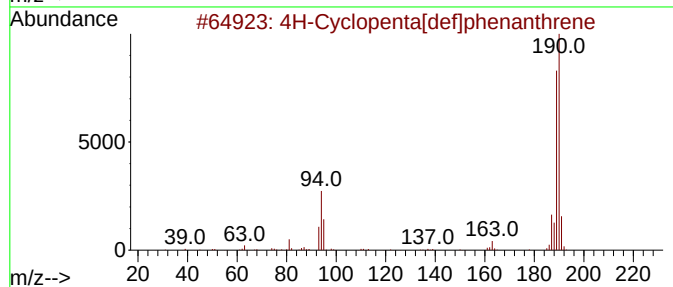
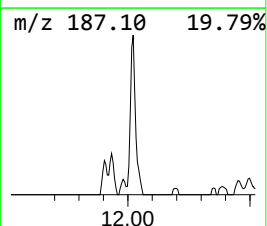
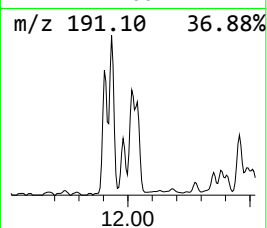
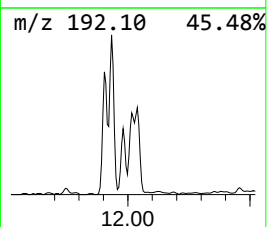
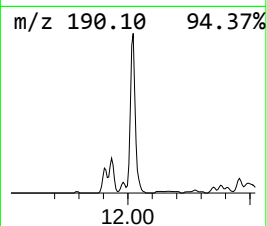
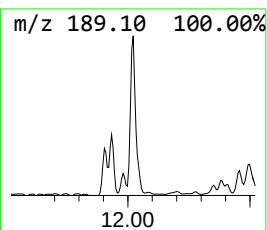
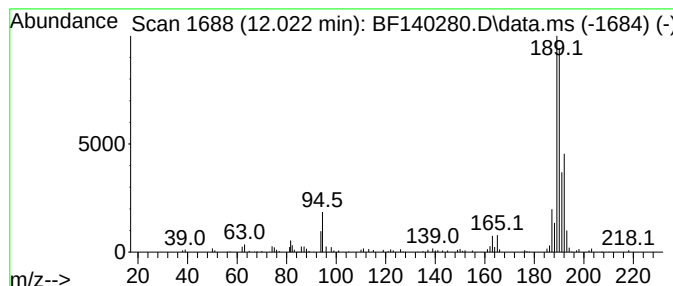
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	5.05 ng	203643	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3			Methyl diselenide	190	C2H6Se2	007101-31-7	45
4			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

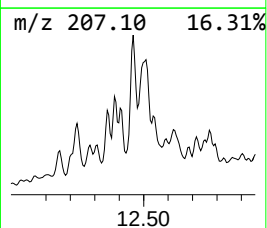
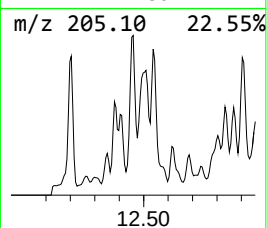
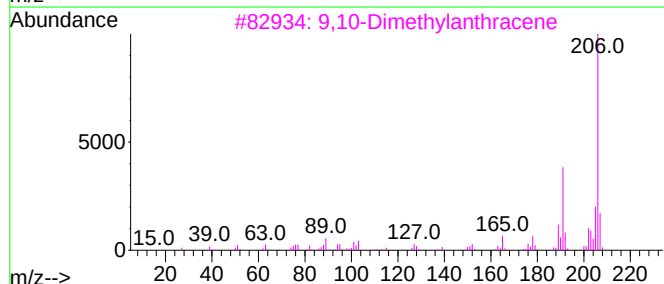
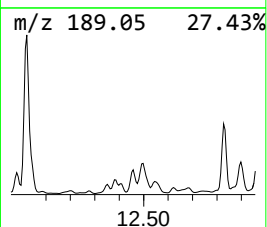
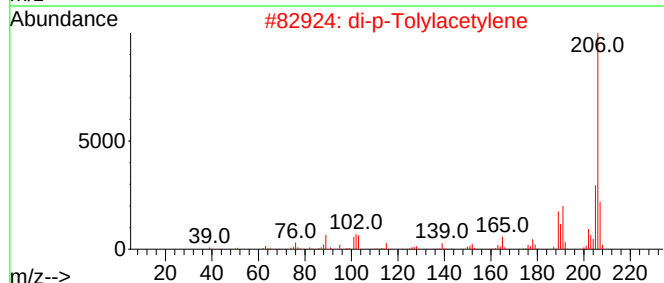
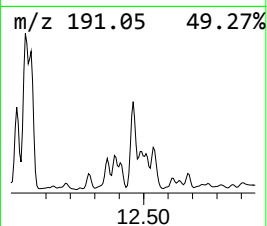
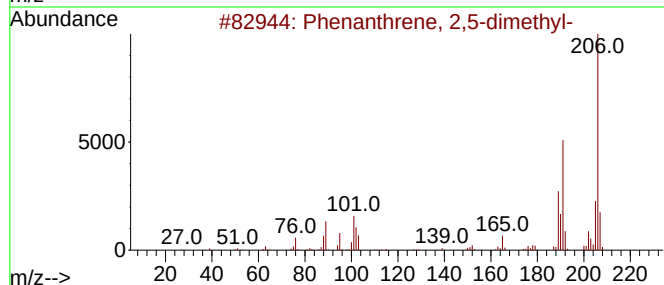
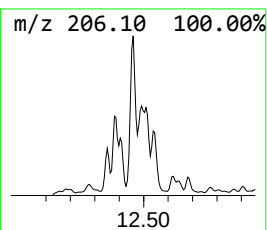
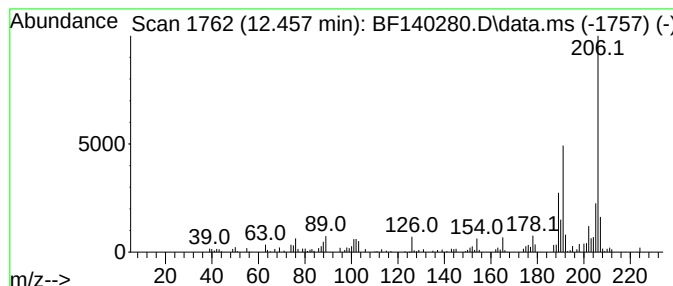
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	2.04 ng	82129	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	92
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

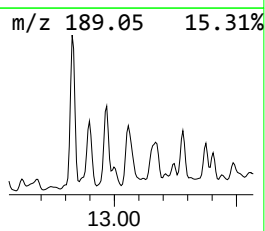
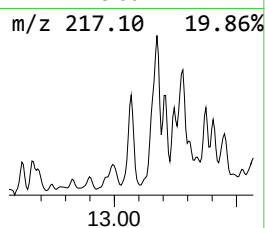
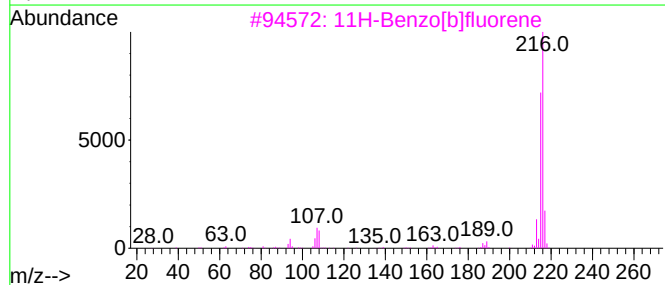
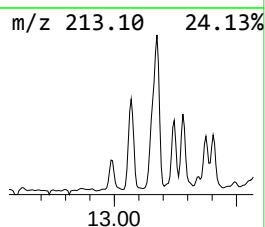
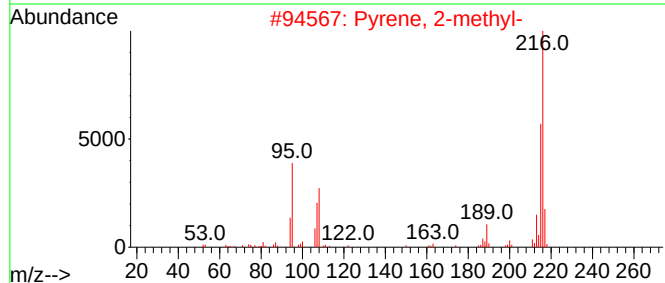
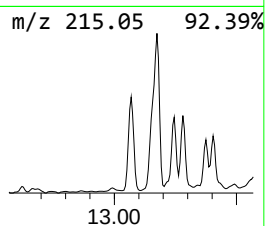
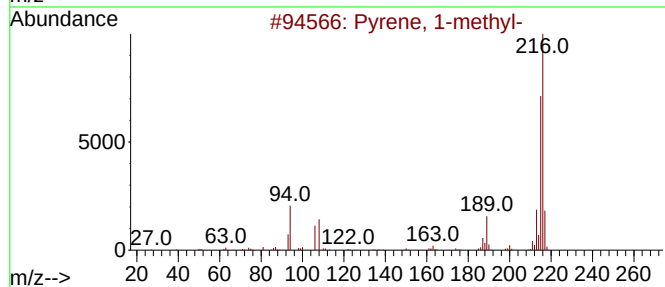
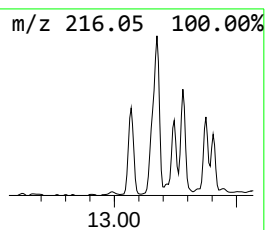
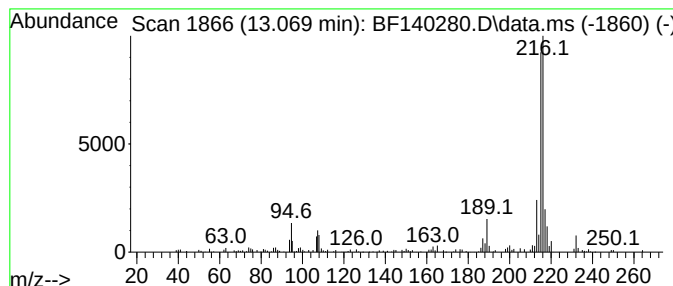
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.069	2.22 ng	157821	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2			Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

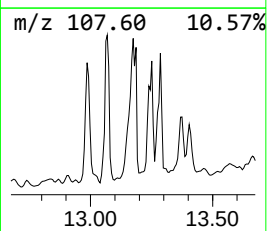
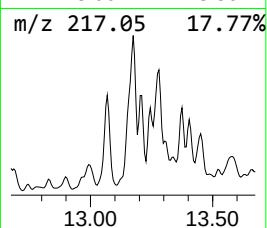
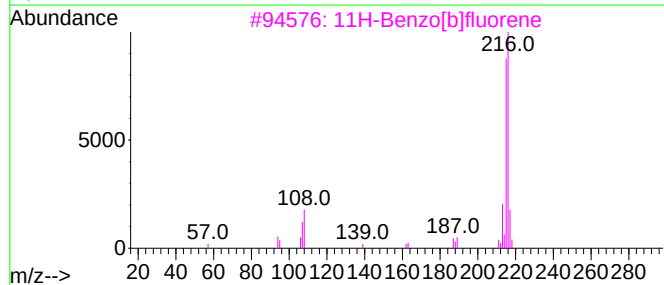
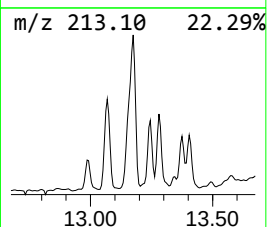
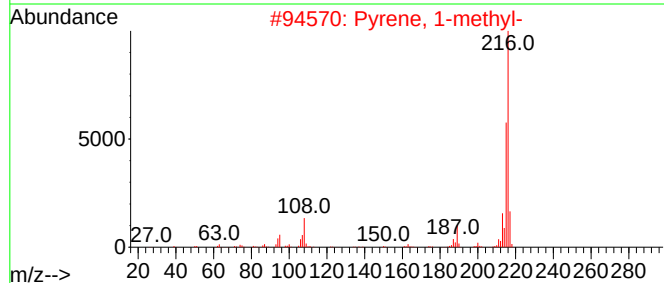
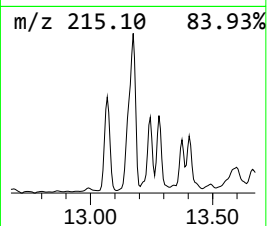
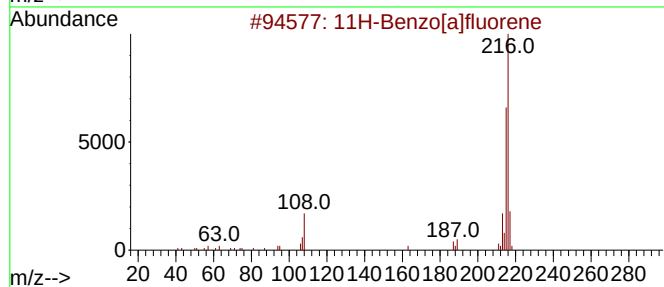
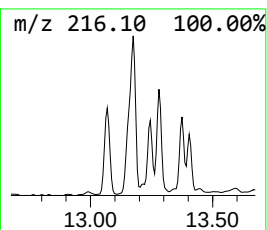
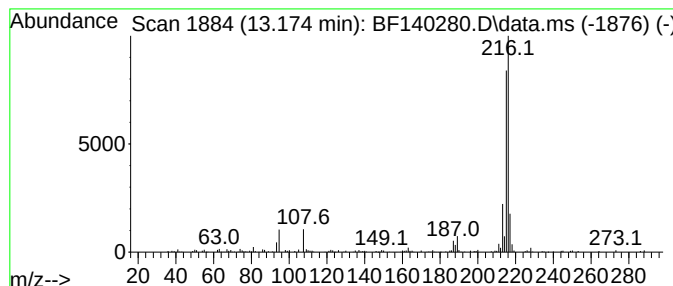
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	2.81 ng	199987	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140280.D
Acq On : 07 Nov 2024 17:32
Operator : RC/JU
Sample : P4722-13 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Anthracene, 2-m...	11.904	2.3	ng	92894	4	11.404	806494	20.0
1H-Cyclopropa[1...	11.933	3.5	ng	142481	4	11.404	806494	20.0
4H-Cyclopenta[d...	12.022	5.0	ng	203643	4	11.404	806494	20.0
Phenanthrene, 2...	12.457	2.0	ng	82129	4	11.404	806494	20.0
Pyrene, 1-methyl-	13.069	2.2	ng	157821	5	14.051	1423270	20.0
11H-Benzo[a]flu...	13.174	2.8	ng	199987	5	14.051	1423270	20.0



CALIBRATION SUMMARY

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
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.759	19.8
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
Phenol		1.646	1.682	1.702	1.664	1.709	1.688	2.5
bis(2-Chloroethyl) ether		1.362	1.474	1.392	1.165	1.446	1.397	8.0
2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.340	1.3
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
2,2-oxybis(1-Chloropropane)		1.733	1.690	1.700	1.628	1.625	1.654	3.4
Acetophenone		0.462	0.460	0.461	0.443	0.447	0.453	1.9
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
n-Nitroso-di-n-propylamine	0.958	0.996	1.040	1.058	1.027	1.046	1.023	3.5
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
Isophorone		0.599	0.619	0.632	0.611	0.618	0.616	2.0
2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.175	5.4
2,4-Dimethylphenol		0.196	0.199	0.204	0.198	0.205	0.203	2.8
bis(2-Chloroethoxy) methane		0.376	0.383	0.386	0.371	0.375	0.377	1.7
2,4-Dichlorophenol		0.275	0.279	0.289	0.283	0.294	0.288	3.4
Naphthalene		1.071	1.033	1.027	0.983	0.983	1.010	3.6
4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.355	3.7
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
Caprolactam		0.097	0.107	0.107	0.107	0.106	0.106	4.1
4-Chloro-3-methylphenol		0.293	0.318	0.316	0.312	0.318	0.314	3.3
2-Methylnaphthalene		0.744	0.733	0.733	0.706	0.705	0.717	2.9
Hexachlorocyclopentadiene		0.106	0.128	0.153	0.167	0.175	0.154	17.7
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
1,1-Biphenyl		1.451	1.416	1.424	1.336	1.344	1.380	3.7
2-Chloronaphthalene		1.124	1.104	1.115	1.060	1.065	1.088	2.5
2-Nitroaniline		0.248	0.273	0.292	0.288	0.300	0.288	7.4
Dimethylphthalate		1.500	1.479	1.478	1.389	1.368	1.424	4.2
Acenaphthylene		1.664	1.660	1.661	1.584	1.586	1.622	2.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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
2,6-Dinitrotoluene		0.316	0.330	0.336	0.324	0.327	0.329	2.2
3-Nitroaniline		0.282	0.320	0.335	0.328	0.323	0.319	5.7
Acenaphthene		1.116	1.075	1.080	1.007	0.996	1.035	5.4
2,4-Dinitrophenol			0.139	0.178	0.194	0.208	0.193	15.8
4-Nitrophenol		0.197	0.235	0.278	0.275	0.274	0.264	13.3
Dibenzofuran		1.799	1.736	1.724	1.615	1.591	1.666	5.2
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
Diethylphthalate		1.600	1.579	1.577	1.457	1.442	1.502	5.4
4-Chlorophenyl-phenylether		0.757	0.736	0.733	0.689	0.680	0.706	5.1
Fluorene		1.490	1.475	1.458	1.363	1.328	1.391	6.0
4-Nitroaniline		0.285	0.334	0.359	0.349	0.355	0.344	8.1
4,6-Dinitro-2-methylphenol		0.084	0.104	0.117	0.123	0.131	0.119	16.0
n-Nitrosodiphenylamine		0.550	0.534	0.545	0.519	0.526	0.531	2.7
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
4-Bromophenyl-phenylether		0.226	0.218	0.221	0.214	0.221	0.221	1.9
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Atrazine		0.202	0.187	0.151	0.171	0.121	0.157	19.7
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Phenanthrene		1.067	1.000	1.016	0.942	0.936	0.973	5.9
Anthracene		1.030	0.985	0.998	0.943	0.932	0.961	4.9
Carbazole		1.030	1.003	1.001	0.940	0.924	0.963	5.0
Di-n-butylphthalate		1.312	1.269	1.261	1.170	1.128	1.190	7.7
Fluoranthene		1.442	1.353	1.316	1.208	1.157	1.247	10.0
Pyrene		1.201	1.158	1.199	1.130	1.125	1.138	4.9
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4
Butylbenzylphthalate		0.541	0.522	0.531	0.507	0.500	0.511	4.3
3,3-Dichlorobenzidine		0.466	0.474	0.480	0.469	0.478	0.468	2.9
Benzo (a) anthracene		1.334	1.258	1.258	1.170	1.138	1.188	8.5
Chrysene		1.261	1.215	1.207	1.116	1.074	1.129	9.1
Bis (2-ethylhexyl) phthalate		0.857	0.816	0.822	0.760	0.738	0.773	7.8
Di-n-octyl phthalate		1.510	1.430	1.383	1.284	1.226	1.308	10.6
Benzo (b) fluoranthene		1.220	1.158	1.107	1.056	1.053	1.097	6.5
Benzo (k) fluoranthene		1.119	1.045	1.080	0.977	0.966	0.996	9.2
Benzo (a) pyrene		1.023	0.974	0.977	0.926	0.923	0.947	5.0
Indeno (1,2,3-cd) pyrene		1.480	1.394	1.411	1.347	1.342	1.374	4.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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
Dibenzo (a,h) anthracene		1.250	1.169	1.189	1.128	1.111	1.145	5.7
Benzo (g,h,i) perylene		1.239	1.164	1.182	1.133	1.148	1.163	3.5
1,2,4,5-Tetrachlorobenzene		0.546	0.518	0.535	0.513	0.519	0.527	2.2
1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.421	10.5
2,3,4,6-Tetrachlorophenol		0.379	0.366	0.377	0.369	0.370	0.373	1.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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 =BE101500.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

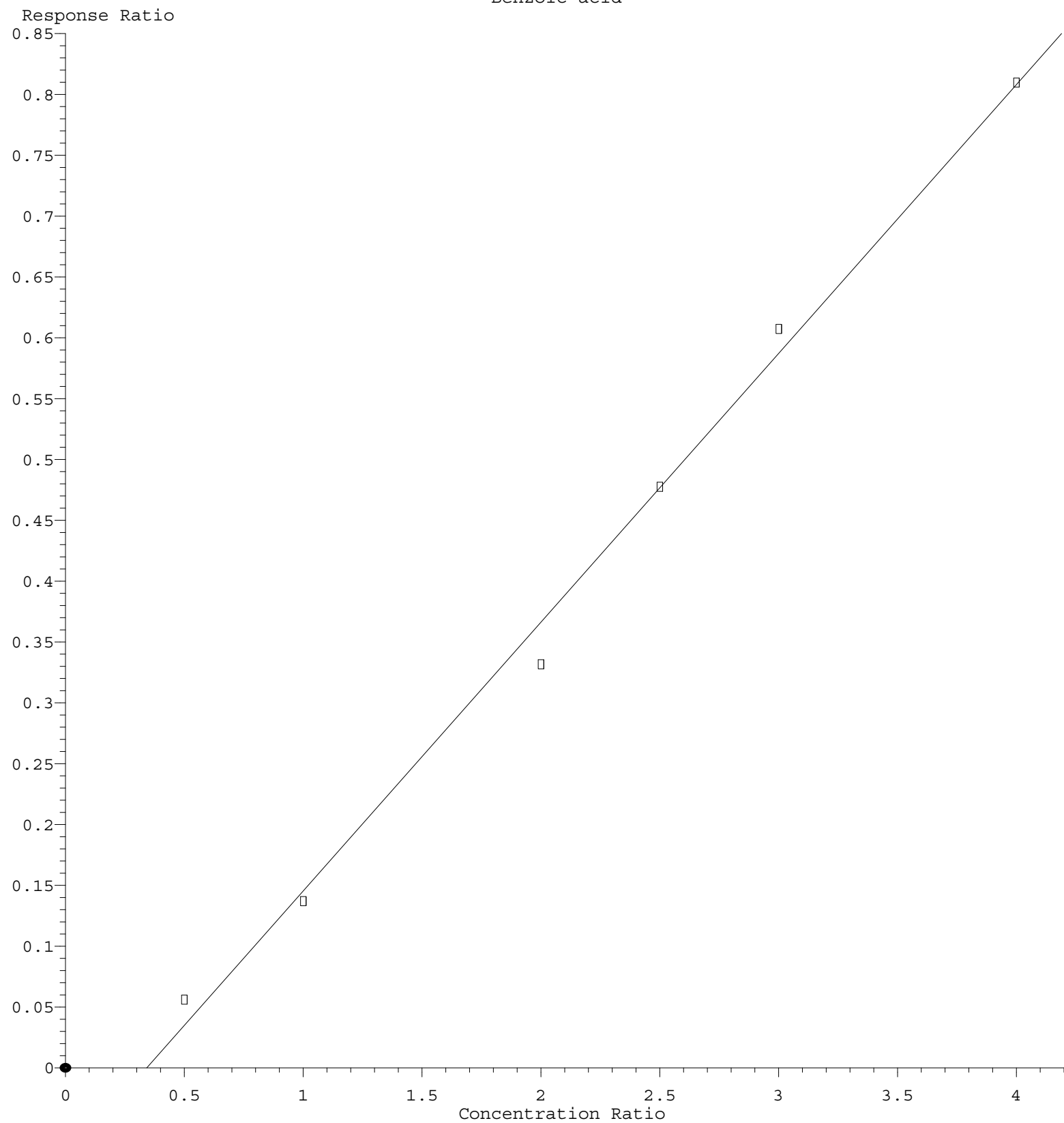
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.546	0.518	0.535	0.513	0.519	0.535	0.525	0.527	2.24	
41) P	Hexachlorocycl...	0.106	0.128	0.153	0.167	0.175	0.178	0.171	0.154	17.72	
42) S	2,4,6-Tribromo...	0.388	0.391	0.391	0.369	0.364	0.375	0.357	0.376	3.64	
43) C	2,4,6-Trichlor...	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

Benzoic acid



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

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)

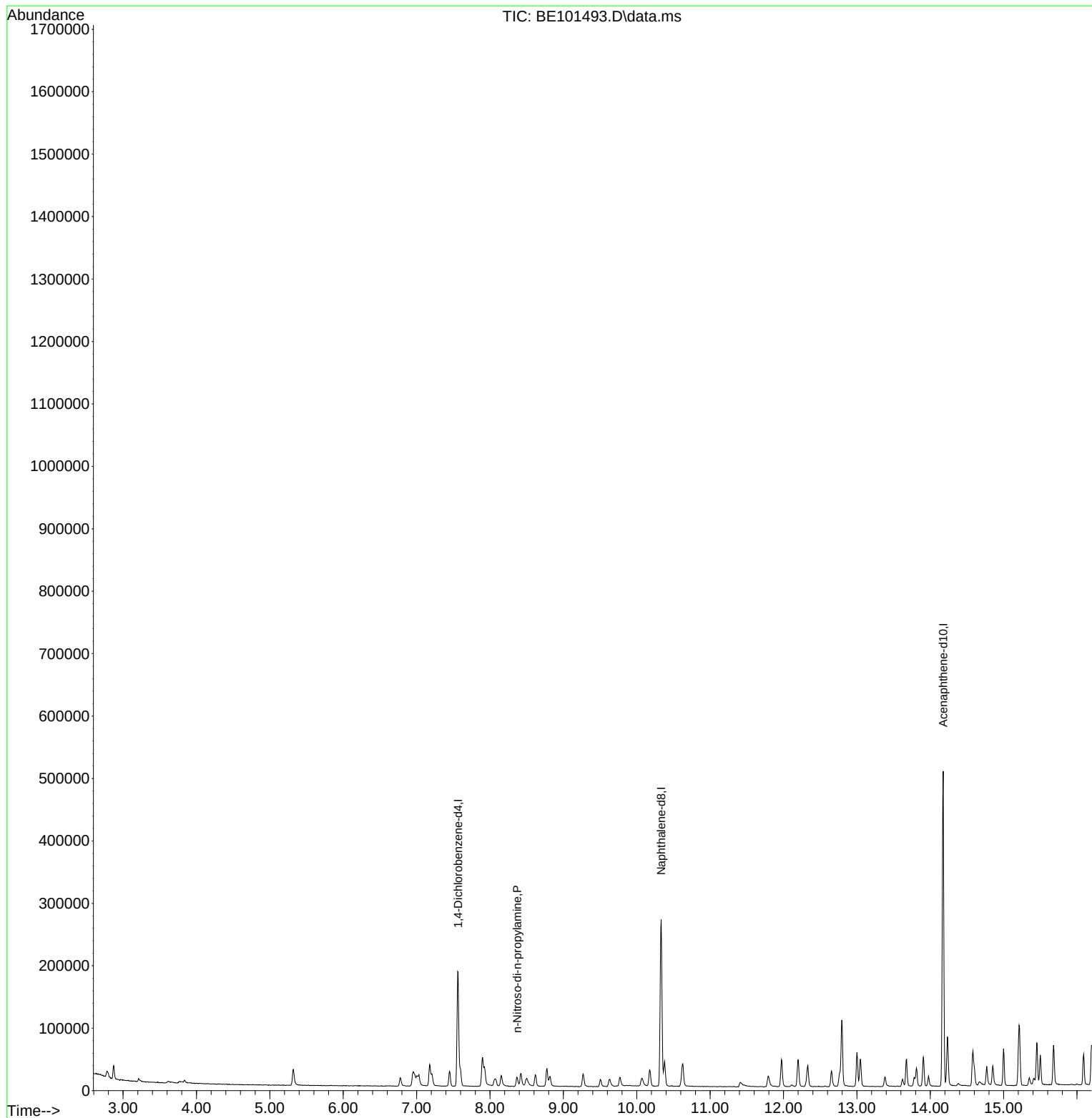
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.566	152	55140	20.000	ng	0.00
21) Naphthalene-d8	10.333	136	244662	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	174059	20.000	ng	0.00
64) Phenanthrene-d10	16.908	188	418467	20.000	ng	0.00
76) Chrysene-d12	21.074	240	553680	20.000	ng	0.00
86) Perylene-d12	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

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

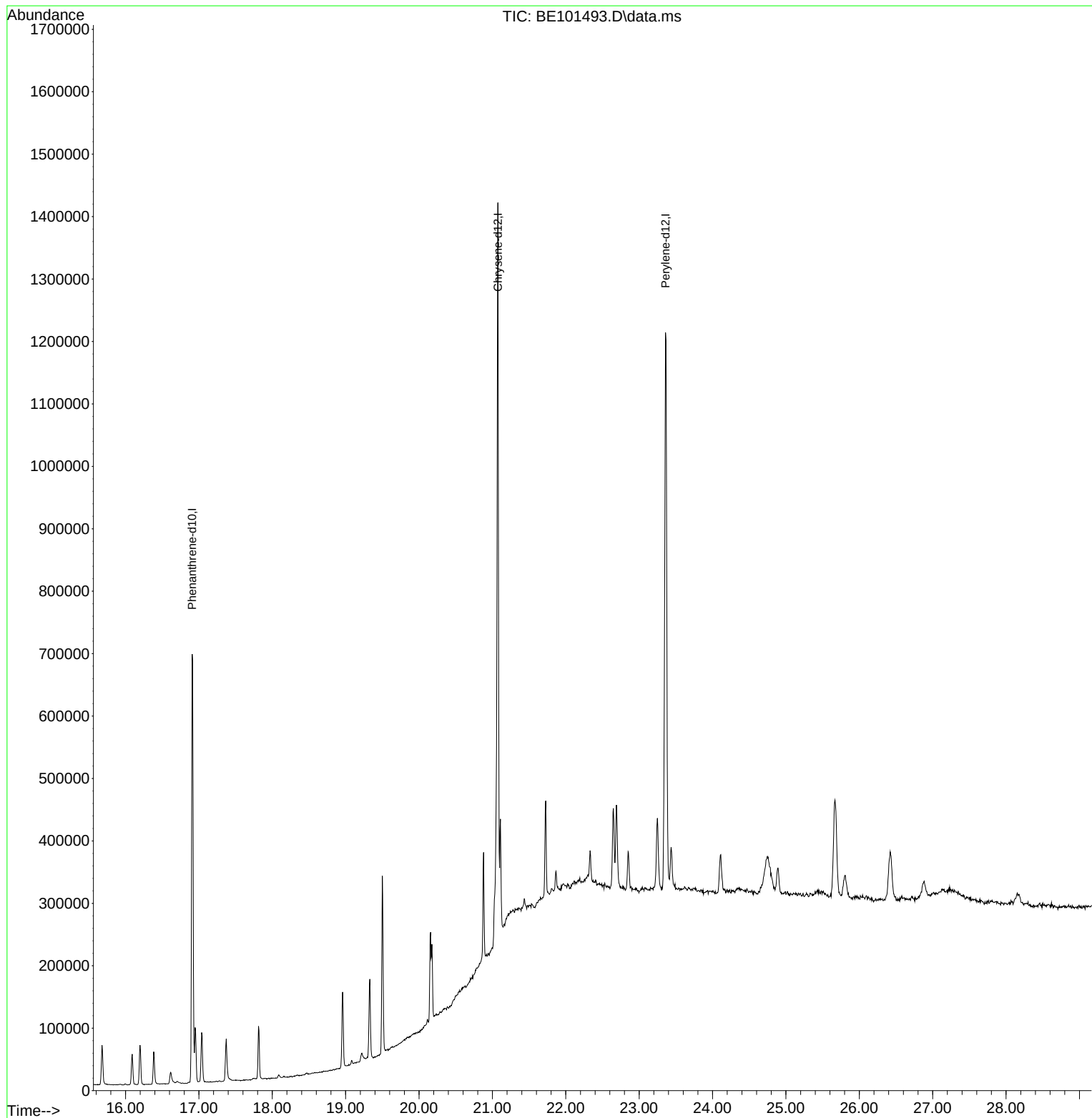
Quant Time: Nov 06 23:14:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 23:10:33 2024
Response via : Initial Calibration



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



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

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

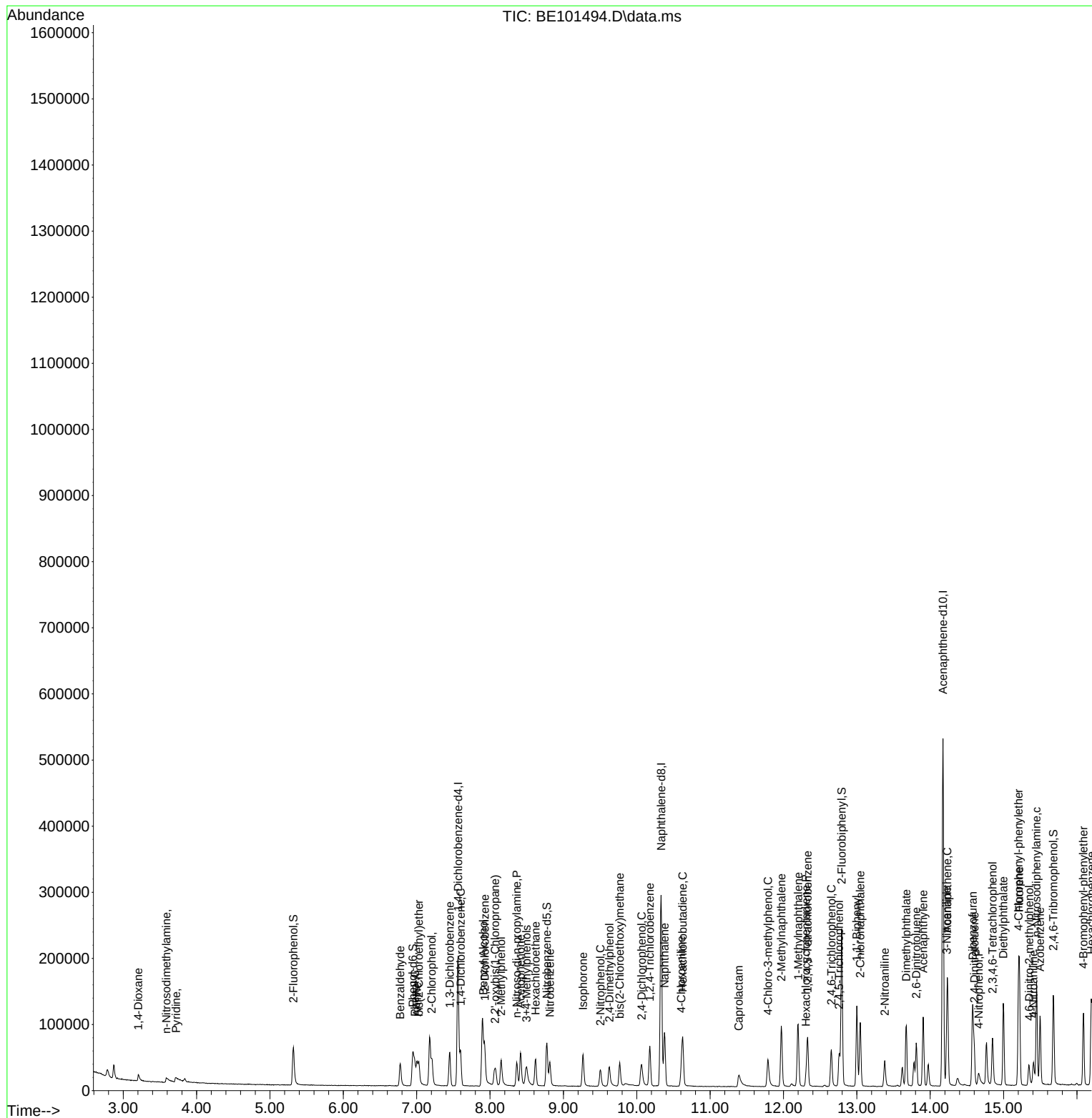
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.999	154	65480	5.258	ng	98
47) 2-Chloronaphthalene	13.046	162	50727	5.164	ng	99
48) 2-Nitroaniline	13.380	65	11198	4.307	ng	98
49) Acenaphthylene	13.903	152	75121	5.132	ng	98
50) Dimethylphthalate	13.674	163	67715	5.267	ng	99
51) 2,6-Dinitrotoluene	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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



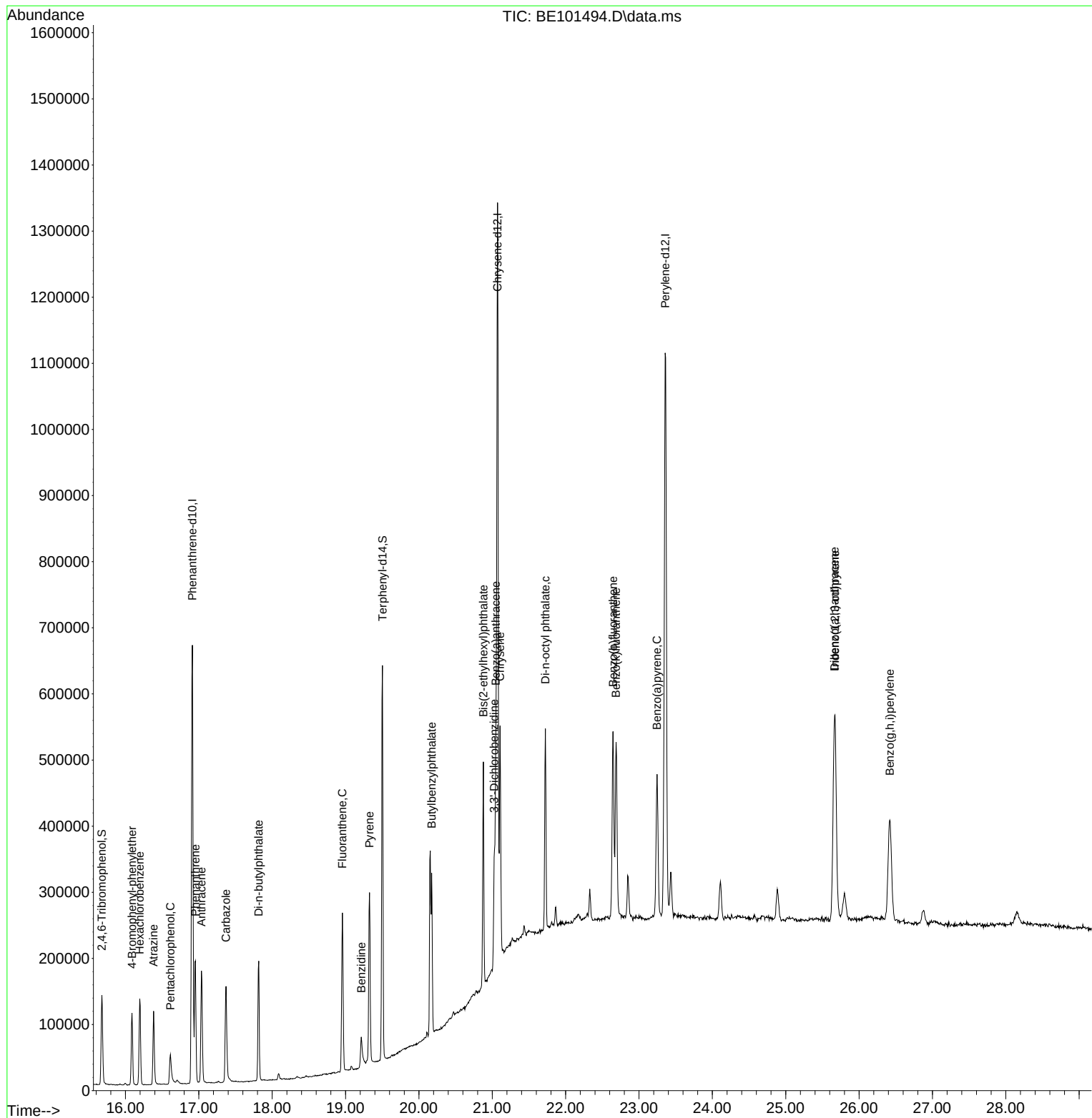
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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

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 : 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

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

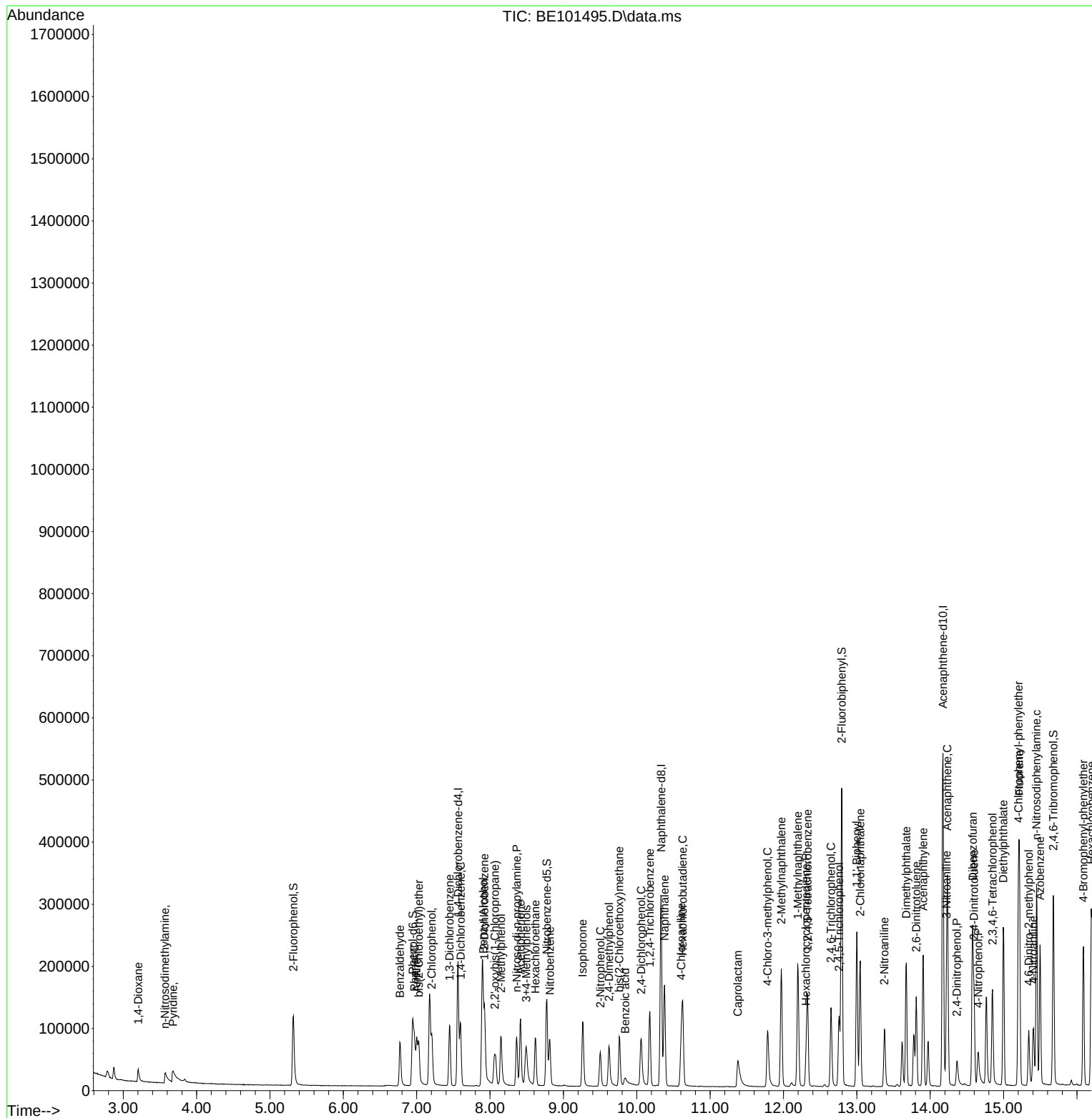
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.758	196	36598	9.456	ng	99
46) 1,1'-Biphenyl	12.999	154	135881	10.267	ng	99
47) 2-Chloronaphthalene	13.046	162	105886	10.143	ng	98
48) 2-Nitroaniline	13.375	65	26212	9.486	ng	94
49) Acenaphthylene	13.904	152	159301	10.240	ng	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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



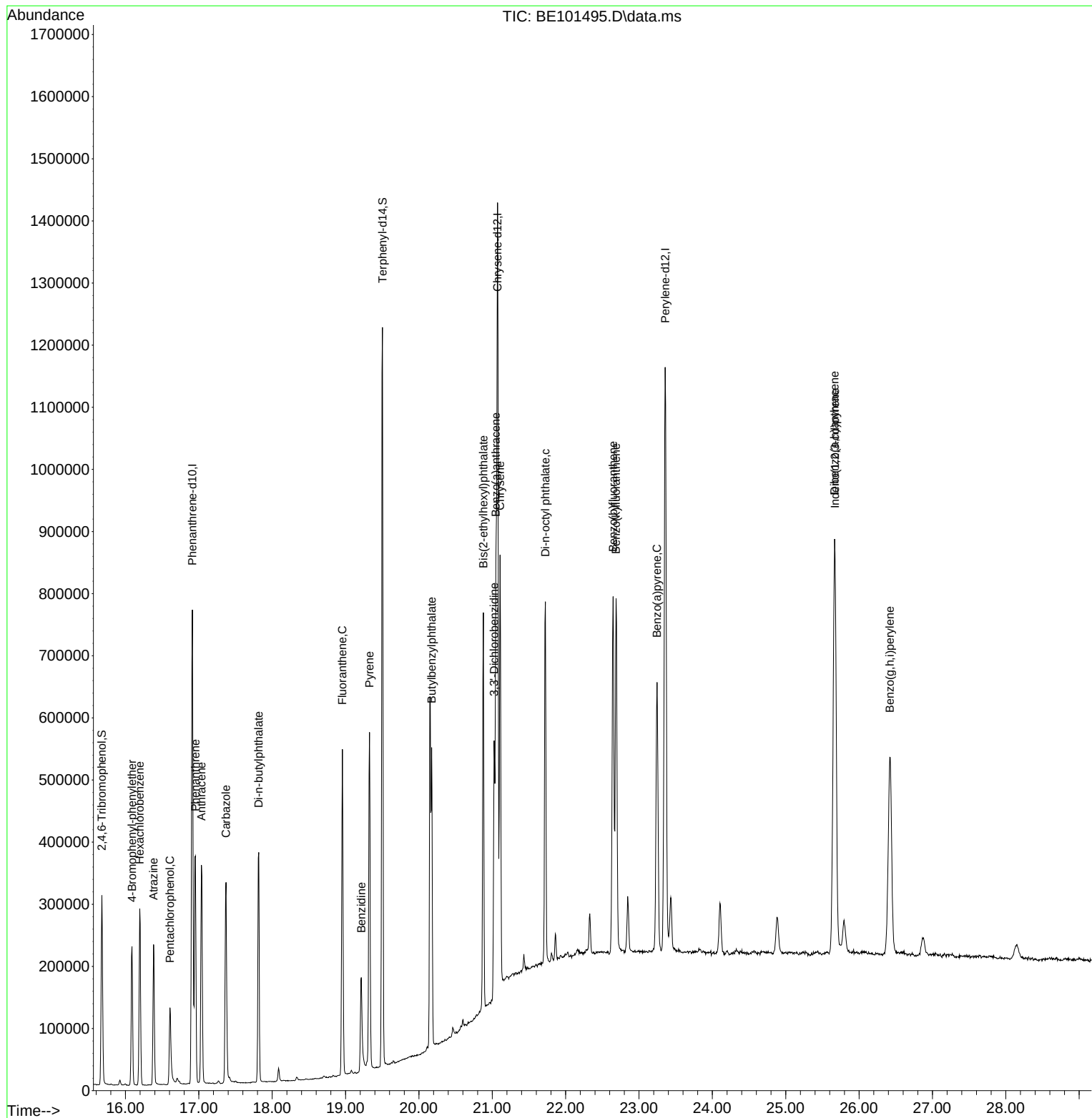
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Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

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



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

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

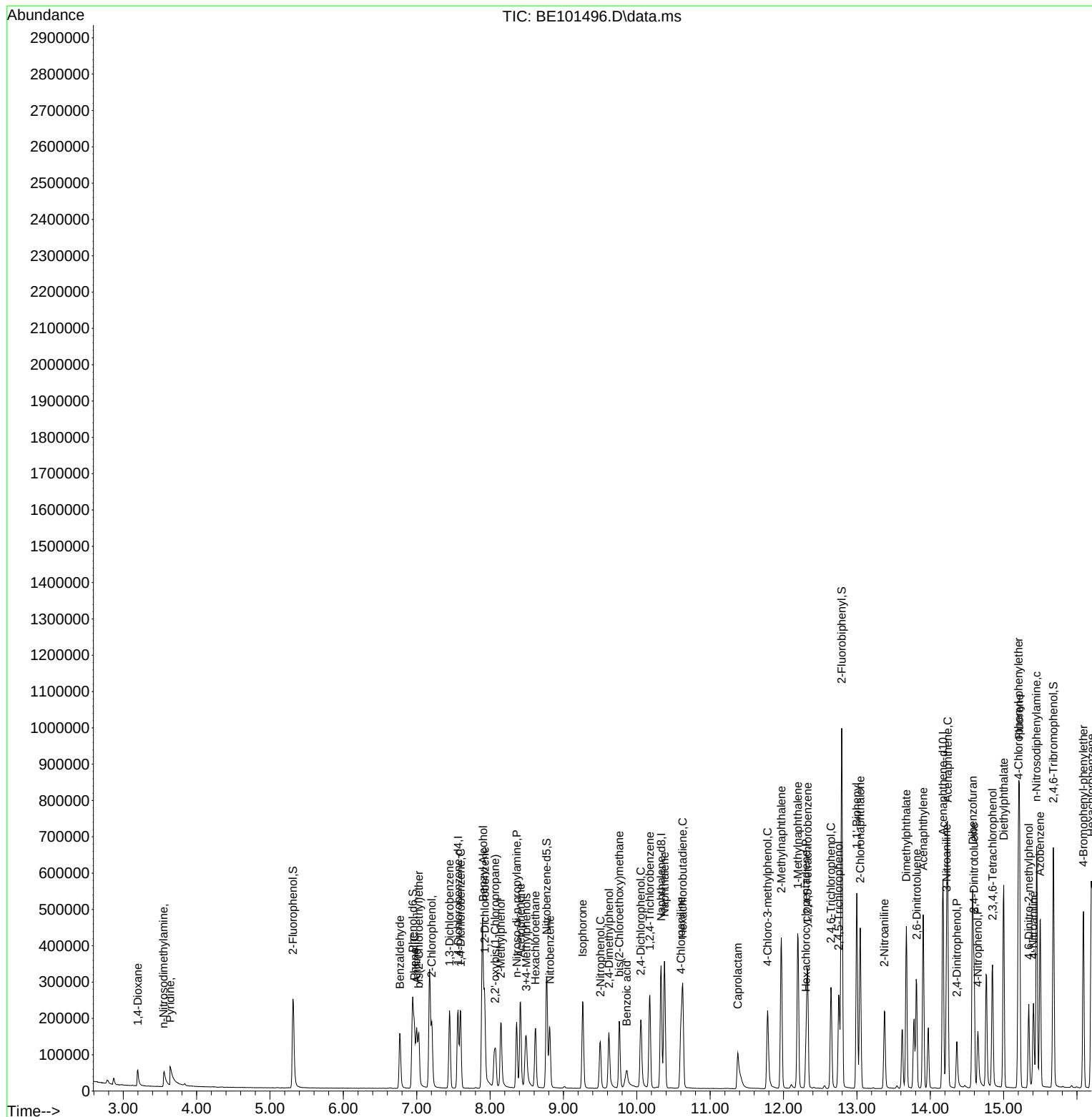
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.752	196	82078	19.923	ng	98
46) 1,1'-Biphenyl	12.998	154	290783	20.641	ng	98
47) 2-Chloronaphthalene	13.045	162	227654	20.488	ng	98
48) 2-Nitroaniline	13.374	65	59673	20.289	ng	95
49) Acenaphthylene	13.903	152	339324	20.493	ng	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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



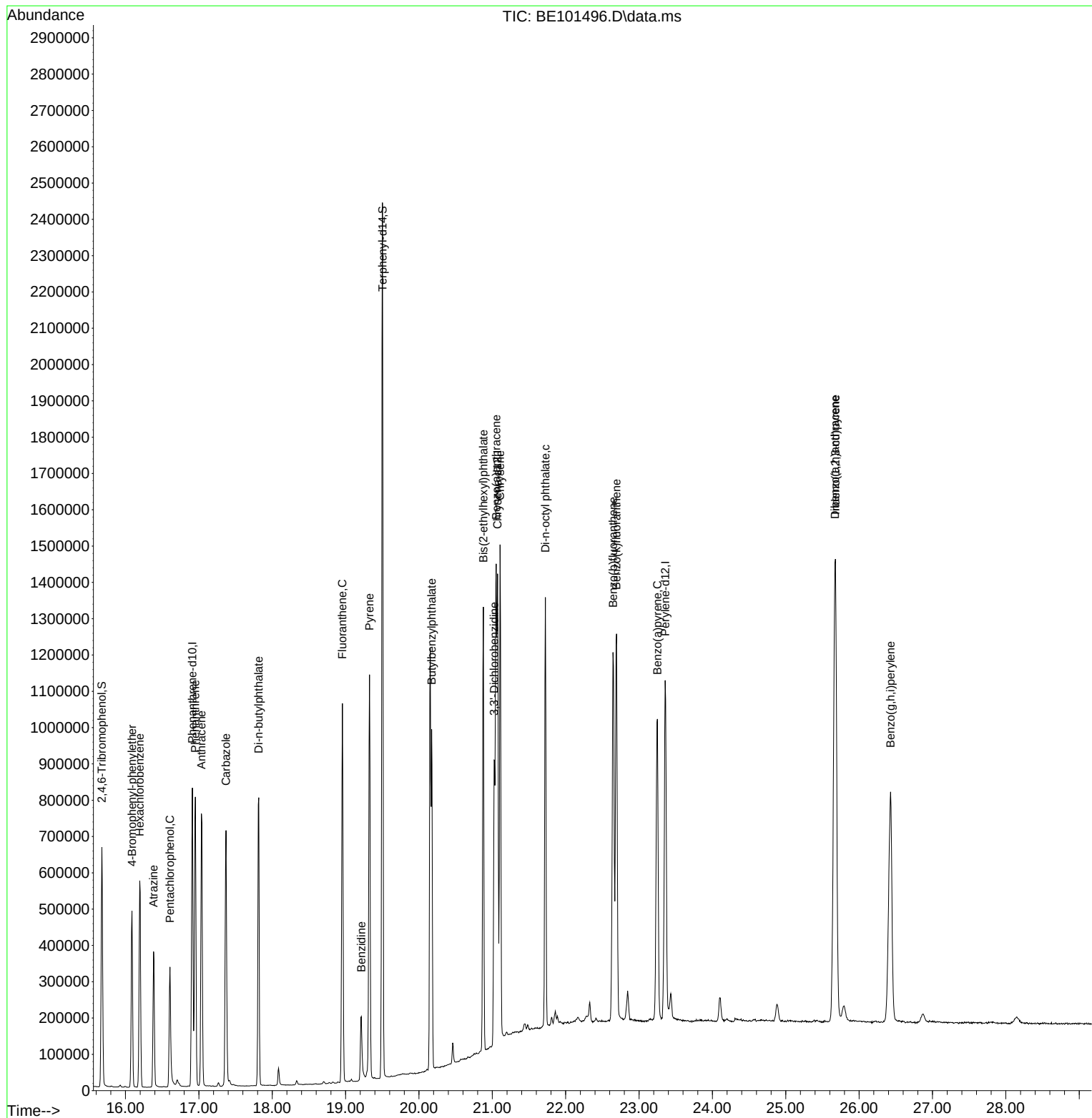
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



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)

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

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

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 :

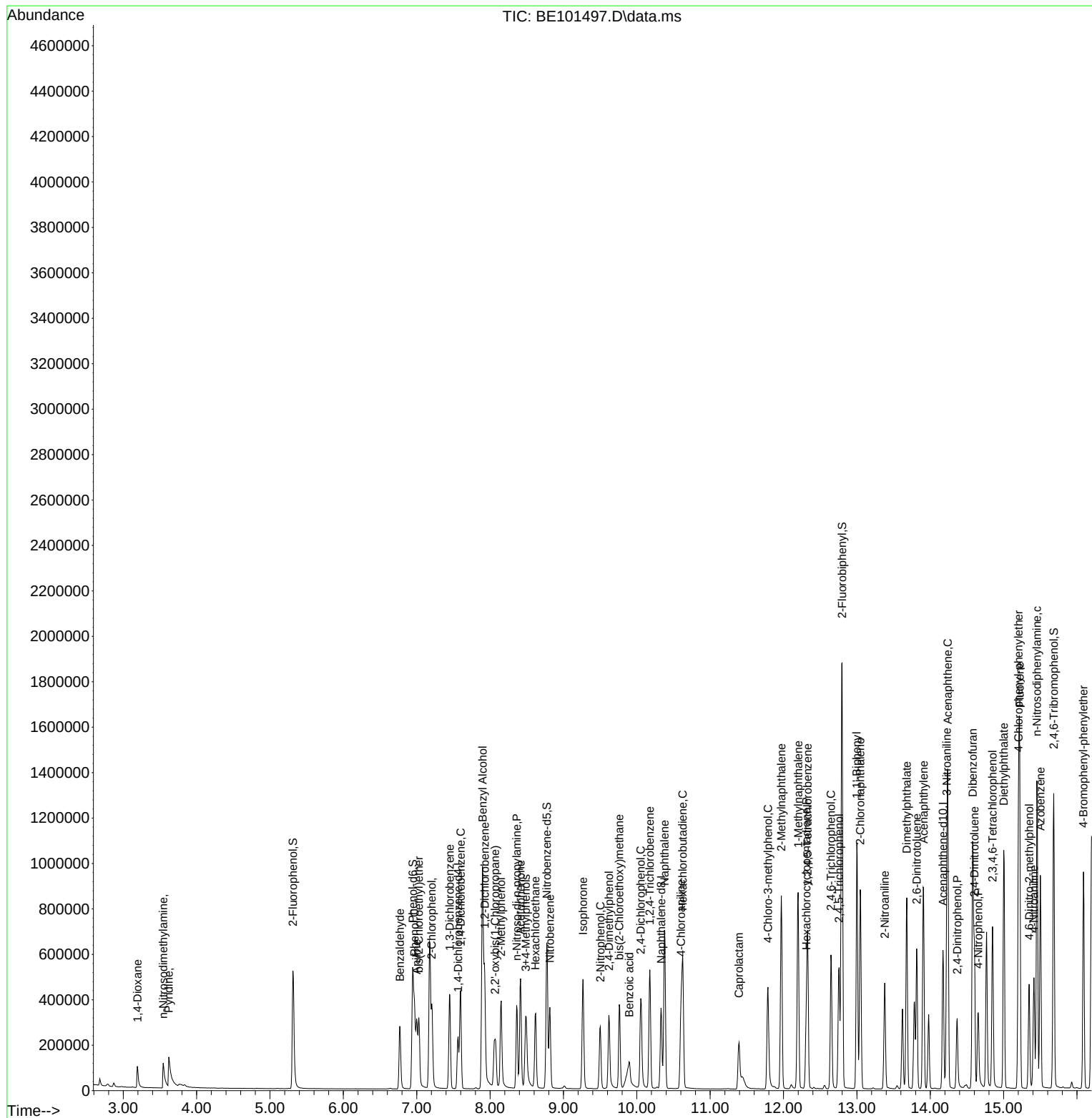
SSTDICCC040

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



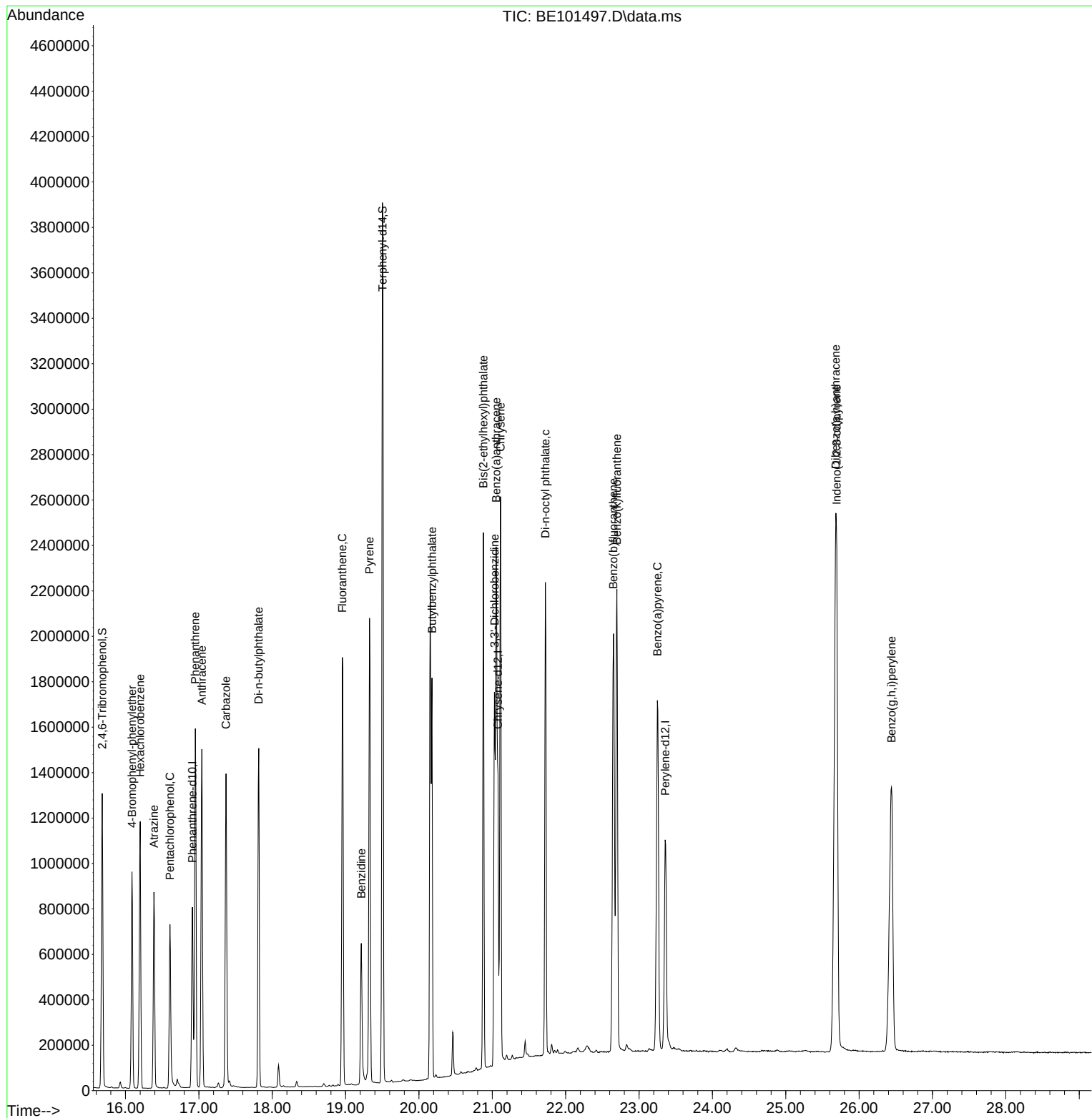
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

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

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 : 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

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

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

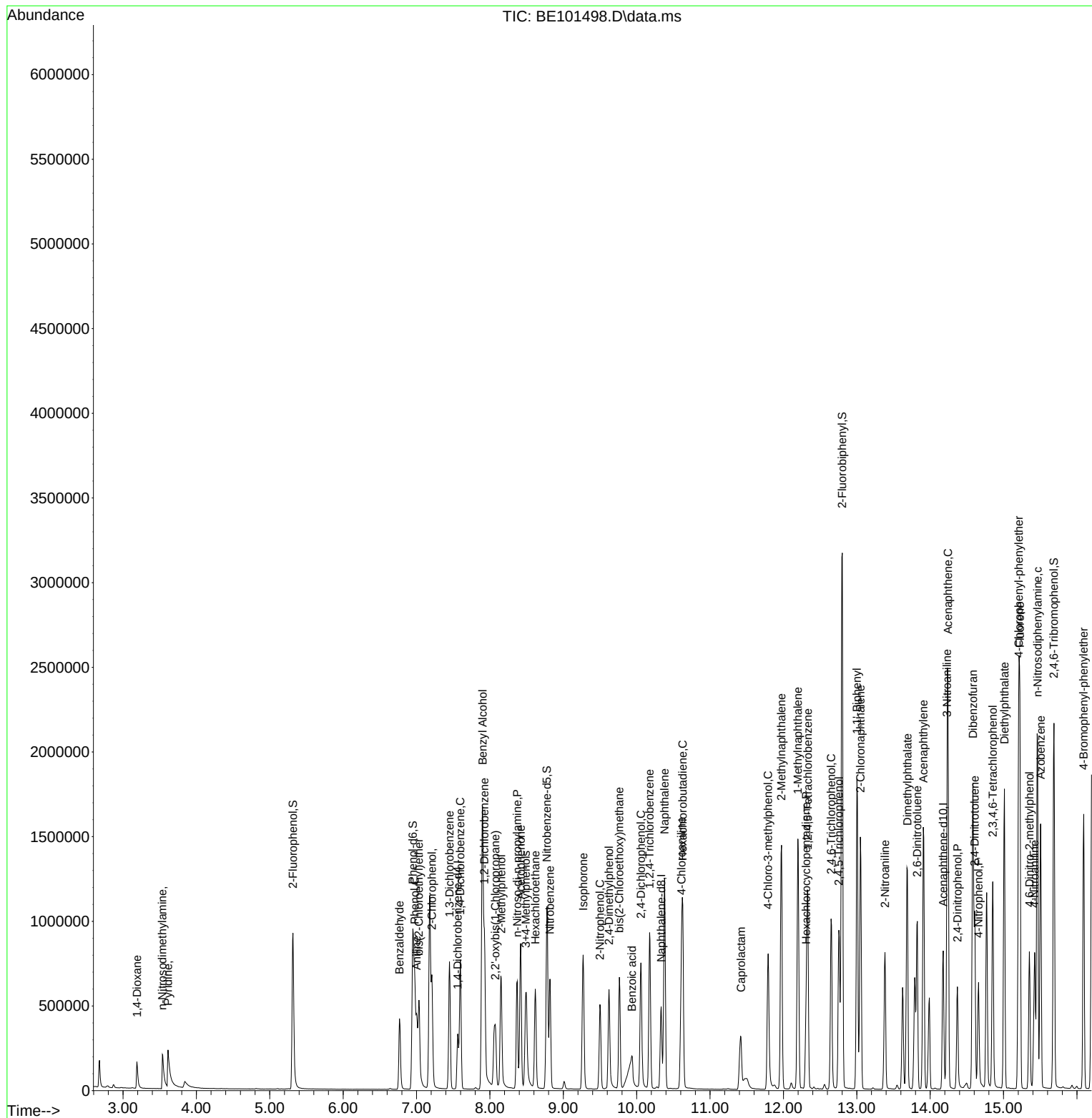
Quant Time: Nov 06 23:53:13 2024

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



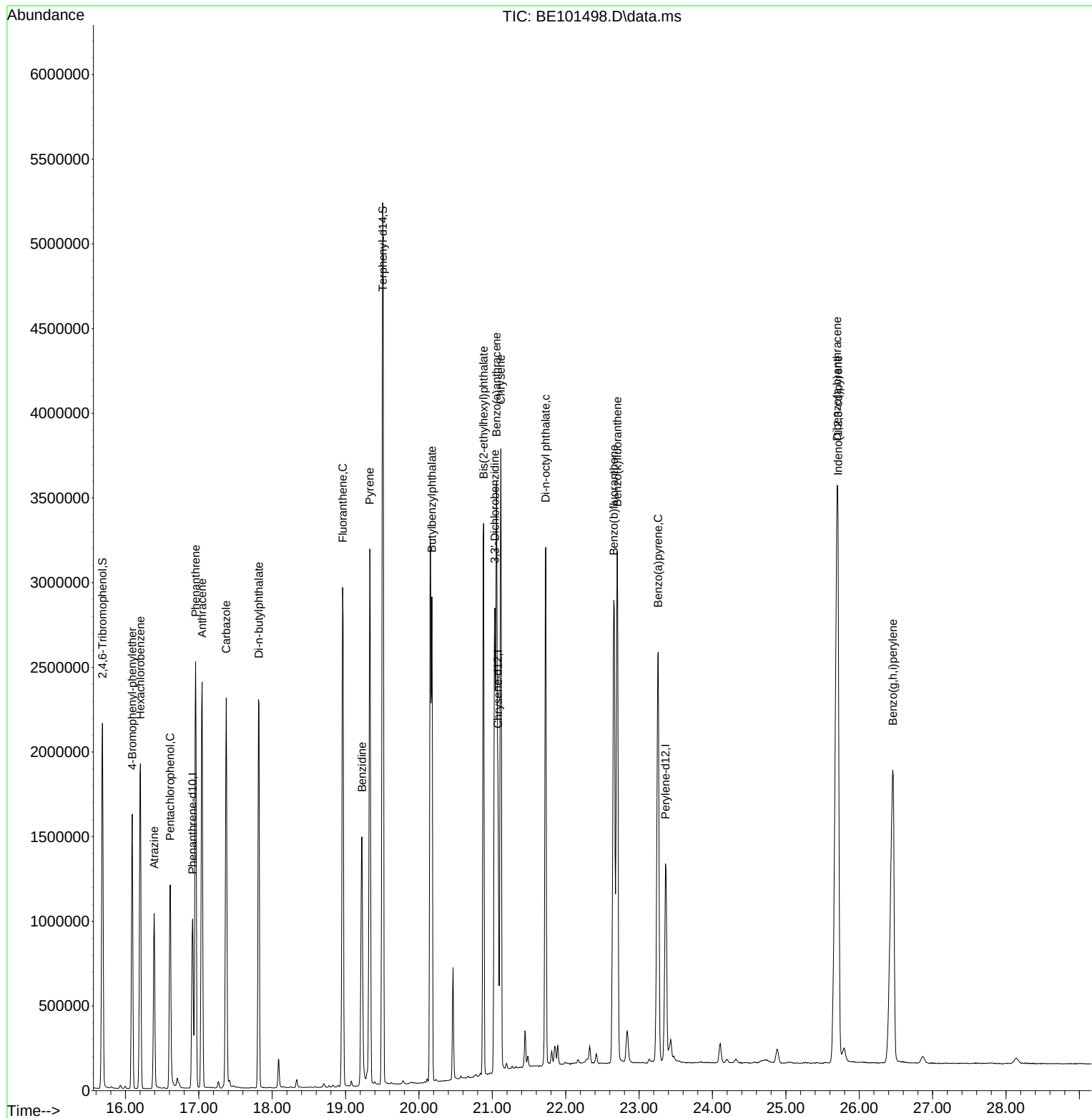
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

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

Manual Integrations
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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 : 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

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

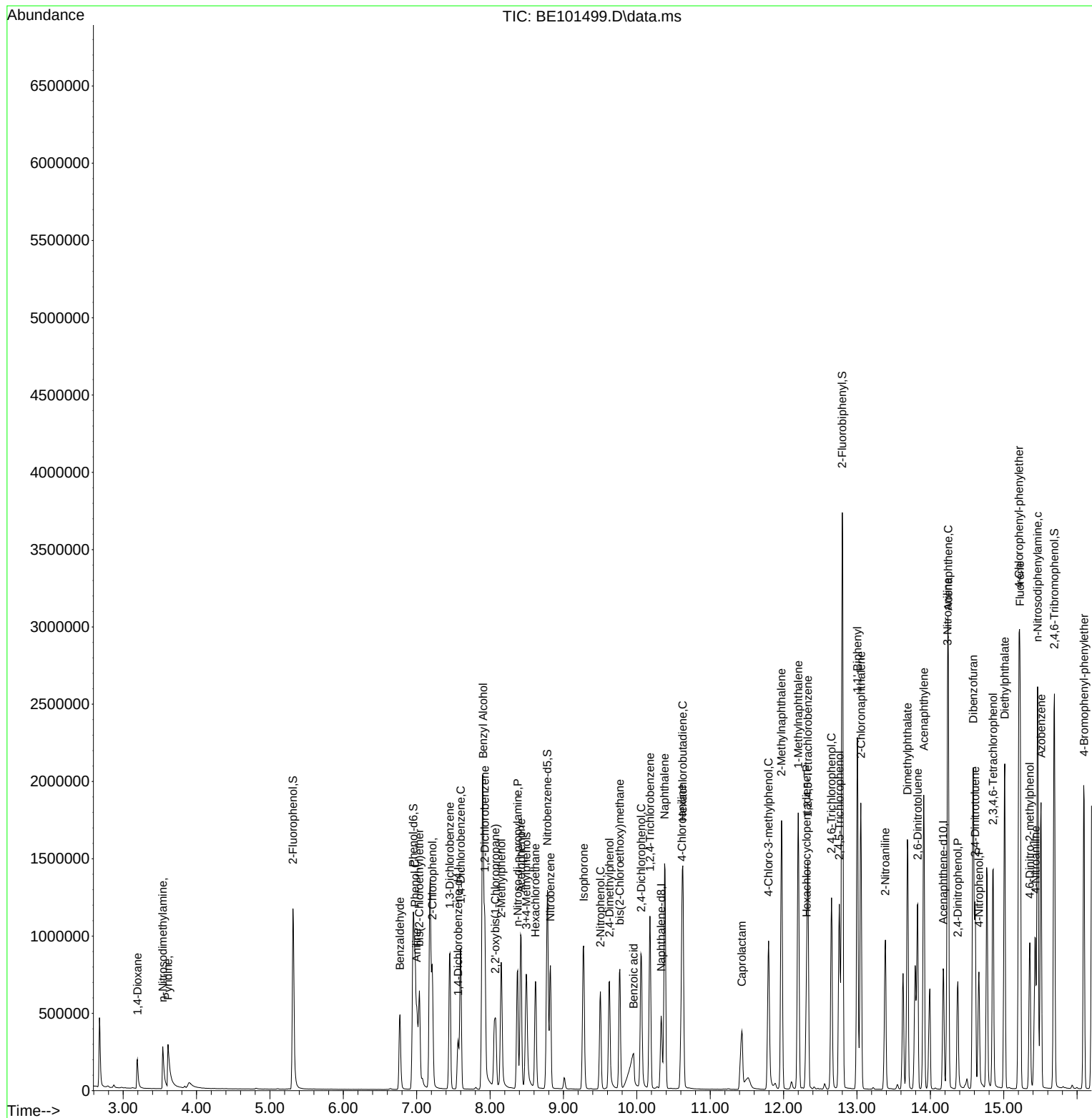
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.759	196	367820	63.214	ng	99
46) 1,1'-Biphenyl	13.006	154	1182260	59.418	ng	98
47) 2-Chloronaphthalene	13.053	162	943815	60.141	ng	98
48) 2-Nitroaniline	13.388	65	270091	65.018	ng	100
49) Acenaphthylene	13.911	152	1409914	60.288	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

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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



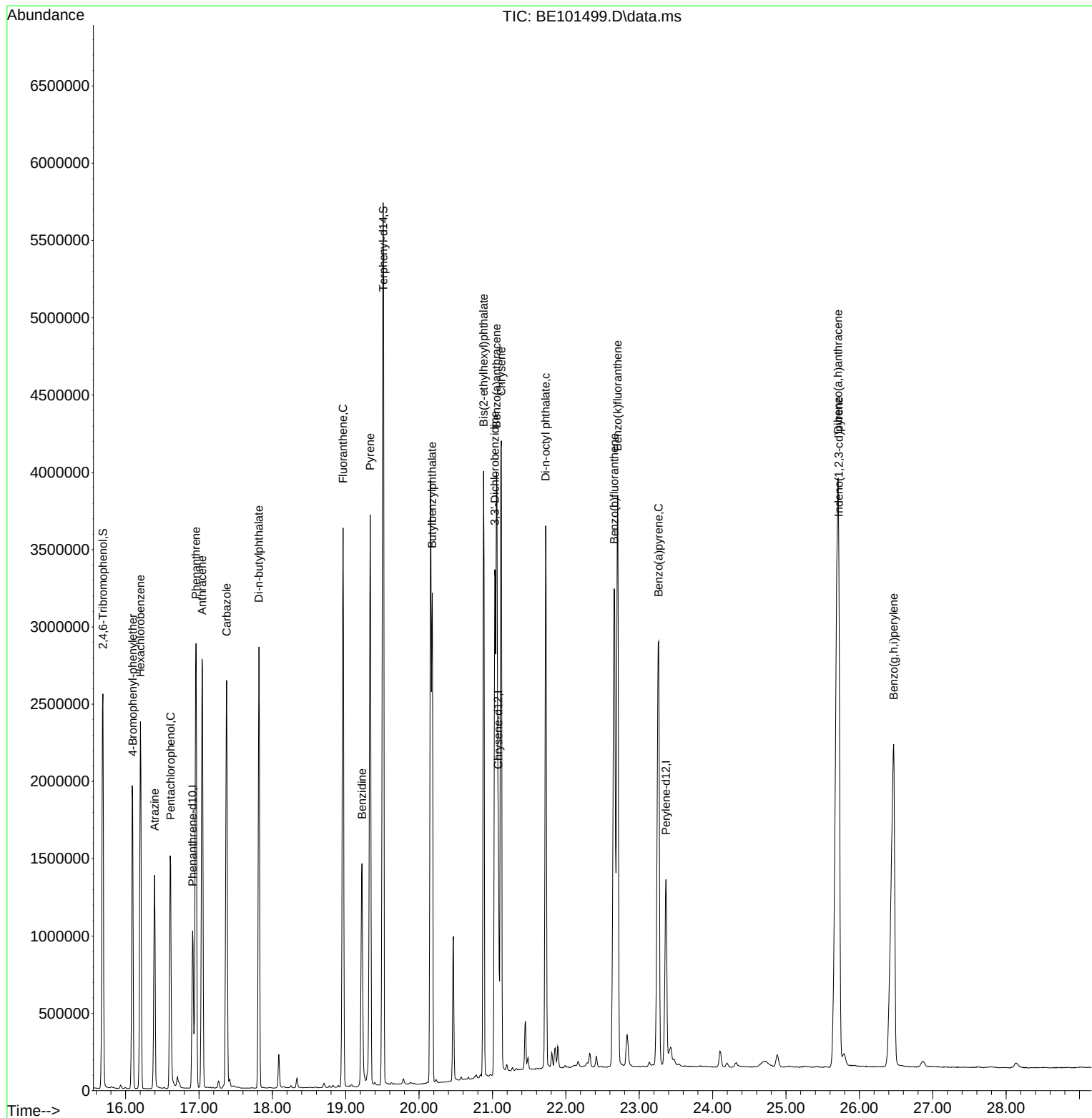
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

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

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 : 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

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

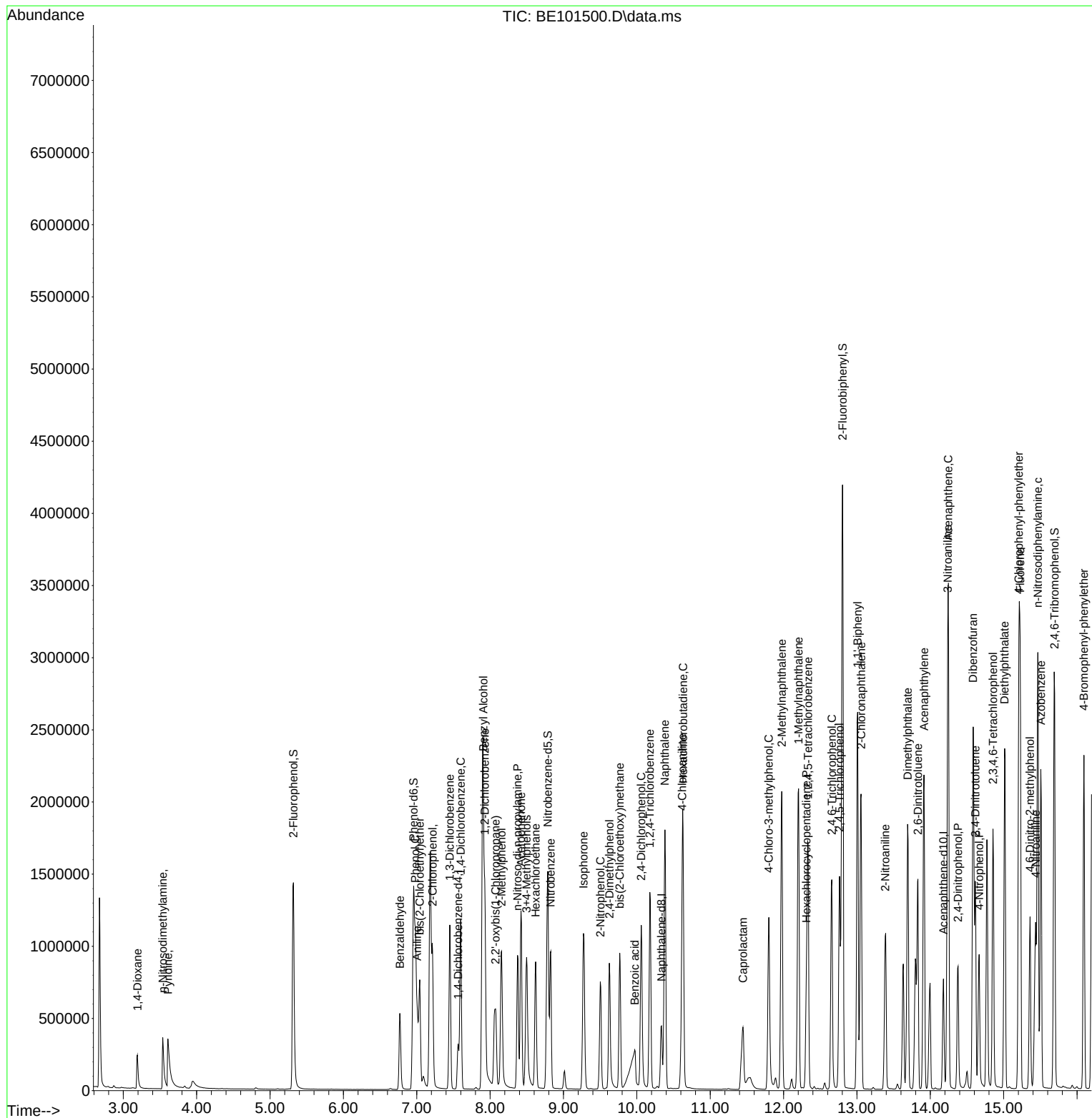
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

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



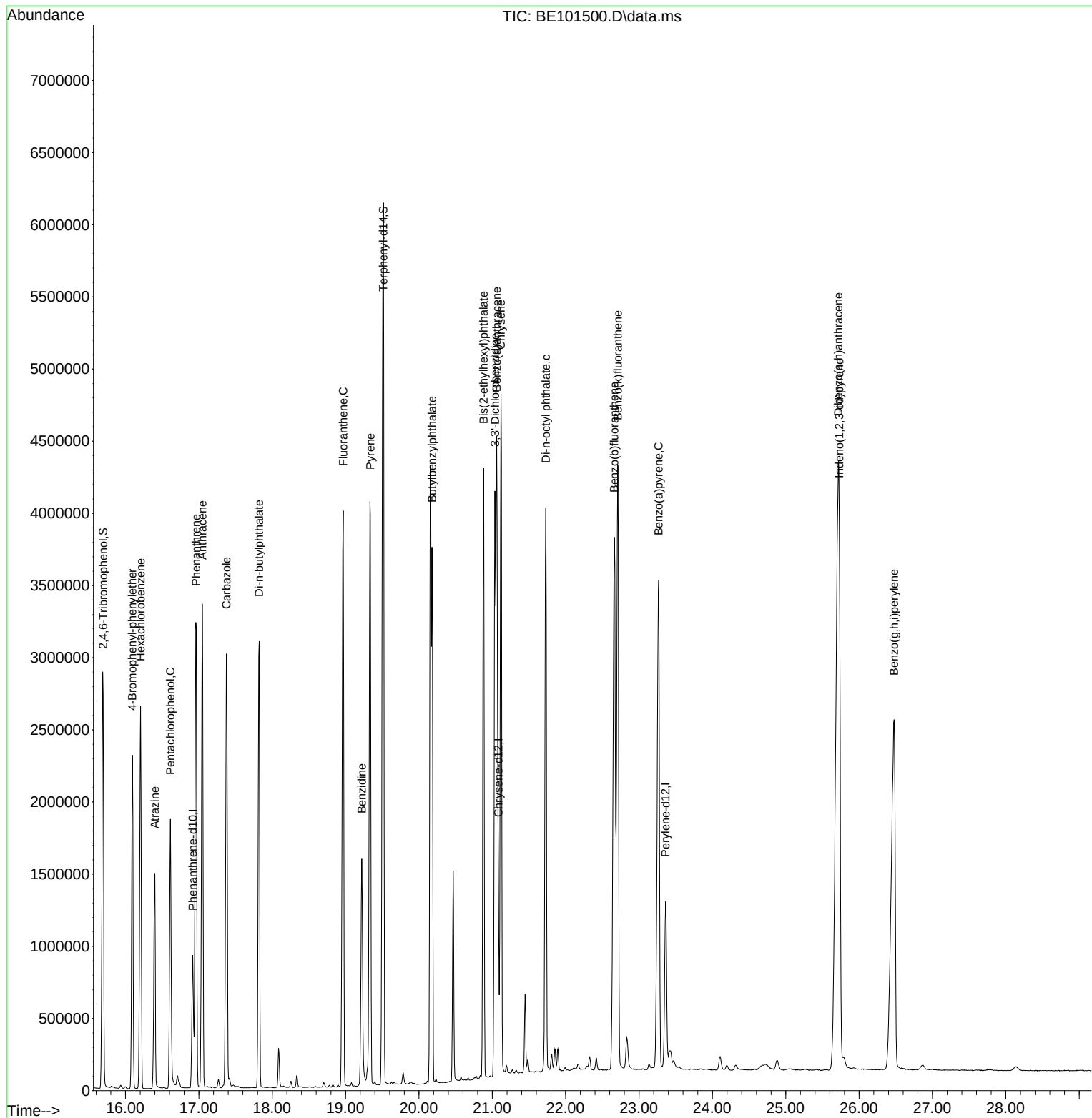
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

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

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 : 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
 Data File : BE101501.D
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 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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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

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Acq On : 6 Nov 2024 18:41
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_E

ClientSampleId :

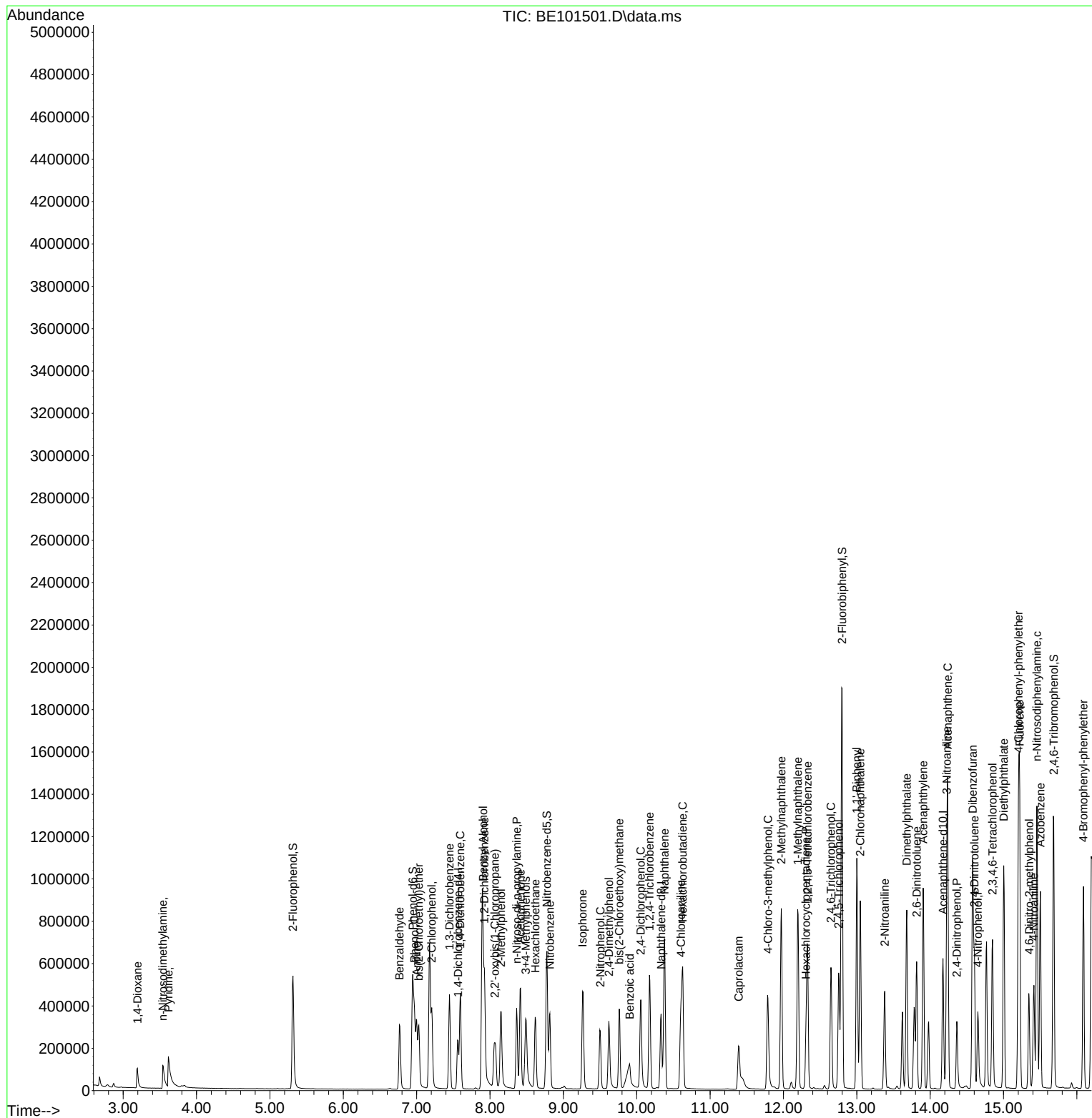
ICVBE110624

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



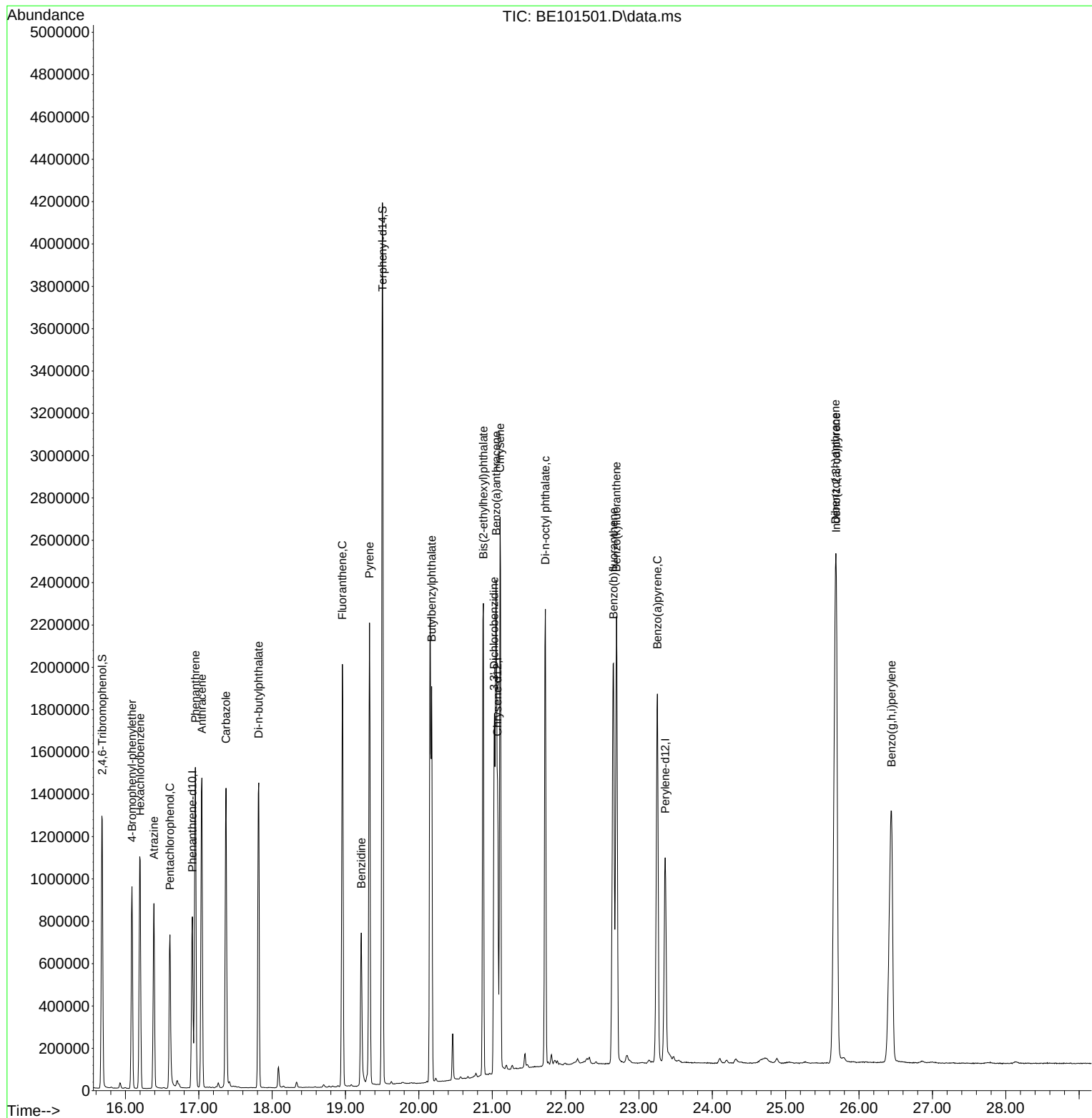
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101501.D
Acq On : 6 Nov 2024 18:41
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Instrument :
BNA_E
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ICVBE110624

Quant Time: Nov 07 00:03:03 2024
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Manual Integrations
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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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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 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)
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

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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)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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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	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

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	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	Benzydine	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

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	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

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
2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.207	8.3
Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.956	18.5
Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.552	8.7
Phenol		1.863	1.779	1.752	1.593	1.575	1.649	9.2
bis(2-Chloroethyl) ether		1.417	1.354	1.285	1.209	1.201	1.252	8.6
2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.263	9.4
2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.053	6.1
2,2-oxybis(1-Chloropropane)		2.305	2.213	2.143	1.958	1.910	2.027	9.7
Acetophenone		0.564	0.535	0.512	0.474	0.461	0.496	8.4
3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.323	9.7
n-Nitroso-di-n-propylamine	1.035	1.117	1.062	1.015	0.949	0.923	0.990	8.0
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
Isophorone		0.754	0.722	0.699	0.675	0.659	0.693	5.1
2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.168	2.5
2,4-Dimethylphenol		0.240	0.237	0.234	0.224	0.221	0.228	3.9
bis(2-Chloroethoxy) methane		0.459	0.441	0.428	0.400	0.390	0.415	6.9
2,4-Dichlorophenol		0.297	0.299	0.291	0.278	0.270	0.283	4.7
Naphthalene		1.206	1.119	1.071	0.992	0.956	1.033	9.9
4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.340	7.1
Hexachlorobutadiene		0.251	0.241	0.238	0.222	0.218	0.229	6.2
Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	2.9
4-Chloro-3-methylphenol		0.337	0.326	0.319	0.312	0.303	0.315	4.3
2-Methylnaphthalene		0.772	0.743	0.702	0.644	0.626	0.674	9.6
Hexachlorocyclopentadiene		0.124	0.145	0.169	0.183	0.177	0.164	13.3
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
1,1-Biphenyl		1.663	1.590	1.521	1.376	1.342	1.446	10.0
2-Chloronaphthalene		1.195	1.171	1.135	1.050	1.036	1.088	7.2
2-Nitroaniline		0.357	0.372	0.371	0.369	0.363	0.364	2.0
Dimethylphthalate		1.363	1.310	1.262	1.191	1.182	1.232	6.7
Acenaphthylene		1.730	1.668	1.618	1.486	1.465	1.540	8.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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
2,6-Dinitrotoluene		0.302	0.297	0.299	0.286	0.286	0.290	3.6
3-Nitroaniline		0.294	0.286	0.282	0.269	0.267	0.273	5.8
Acenaphthene		1.204	1.153	1.134	1.059	1.055	1.093	6.6
2,4-Dinitrophenol			0.071	0.101	0.128	0.135	0.120	23.2
4-Nitrophenol		0.160	0.178	0.196	0.203	0.206	0.192	8.8
Dibenzofuran		1.773	1.683	1.603	1.467	1.424	1.528	10.6
2,4-Dinitrotoluene		0.384	0.385	0.388	0.374	0.373	0.376	3.2
Diethylphthalate		1.360	1.319	1.271	1.185	1.170	1.224	7.7
4-Chlorophenyl-phenylether		0.715	0.673	0.638	0.581	0.573	0.613	10.3
Fluorene		1.446	1.345	1.267	1.154	1.127	1.216	11.6
4-Nitroaniline		0.278	0.276	0.282	0.270	0.267	0.271	3.5
4,6-Dinitro-2-methylphenol			0.080	0.100	0.110	0.112	0.105	12.6
n-Nitrosodiphenylamine		0.646	0.608	0.600	0.551	0.543	0.575	7.5
2,4,6-Tribromophenol		0.199	0.200	0.197	0.194	0.197	0.198	1.4
4-Bromophenyl-phenylether		0.230	0.219	0.223	0.209	0.208	0.215	4.1
Hexachlorobenzene		0.261	0.255	0.251	0.237	0.235	0.245	4.3
Atrazine		0.204	0.189	0.155	0.156	0.127	0.157	18.5
Pentachlorophenol		0.105	0.121	0.133	0.138	0.139	0.132	10.6
Phenanthrene		1.082	1.044	1.004	0.915	0.885	0.954	9.3
Anthracene		1.071	1.014	0.984	0.894	0.881	0.936	9.3
Carbazole		0.973	0.919	0.901	0.822	0.805	0.855	8.9
Di-n-butylphthalate		1.119	1.096	1.062	0.975	0.961	1.012	7.9
Fluoranthene		1.157	1.101	1.044	0.950	0.928	0.998	10.5
Pyrene		1.851	1.733	1.728	1.590	1.572	1.651	7.5
Terphenyl-d14		1.383	1.309	1.258	1.159	1.164	1.221	8.2
Butylbenzylphthalate		0.580	0.596	0.613	0.597	0.601	0.595	2.9
3,3-Dichlorobenzidine		0.387	0.409	0.410	0.417	0.406	0.403	2.6
Benzo (a) anthracene		1.386	1.344	1.345	1.232	1.232	1.284	5.7
Chrysene		1.320	1.264	1.206	1.154	1.177	1.202	5.8
Bis (2-ethylhexyl) phthalate		0.868	0.858	0.858	0.819	0.825	0.833	3.8
Di-n-octyl phthalate		1.201	1.234	1.283	1.267	1.265	1.254	2.5
Benzo (b) fluoranthene		1.300	1.184	1.214	1.245	1.125	1.210	6.0
Benzo (k) fluoranthene		1.214	1.230	1.206	1.027	1.085	1.110	9.5
Benzo (a) pyrene		1.023	0.999	1.022	0.993	0.975	0.997	2.2
Indeno (1,2,3-cd) pyrene		1.107	1.110	1.213	1.195	1.172	1.174	4.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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
Dibenzo (a,h) anthracene		0.917	0.923	0.998	0.979	0.968	0.966	3.4
Benzo (g,h,i) perylene		0.949	0.941	1.017	0.994	0.977	0.985	3.1
1,2,4,5-Tetrachlorobenzene		0.657	0.619	0.600	0.562	0.559	0.586	7.2
1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.555	6.6
2,3,4,6-Tetrachlorophenol		0.323	0.324	0.321	0.305	0.309	0.313	3.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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 =BF140238.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

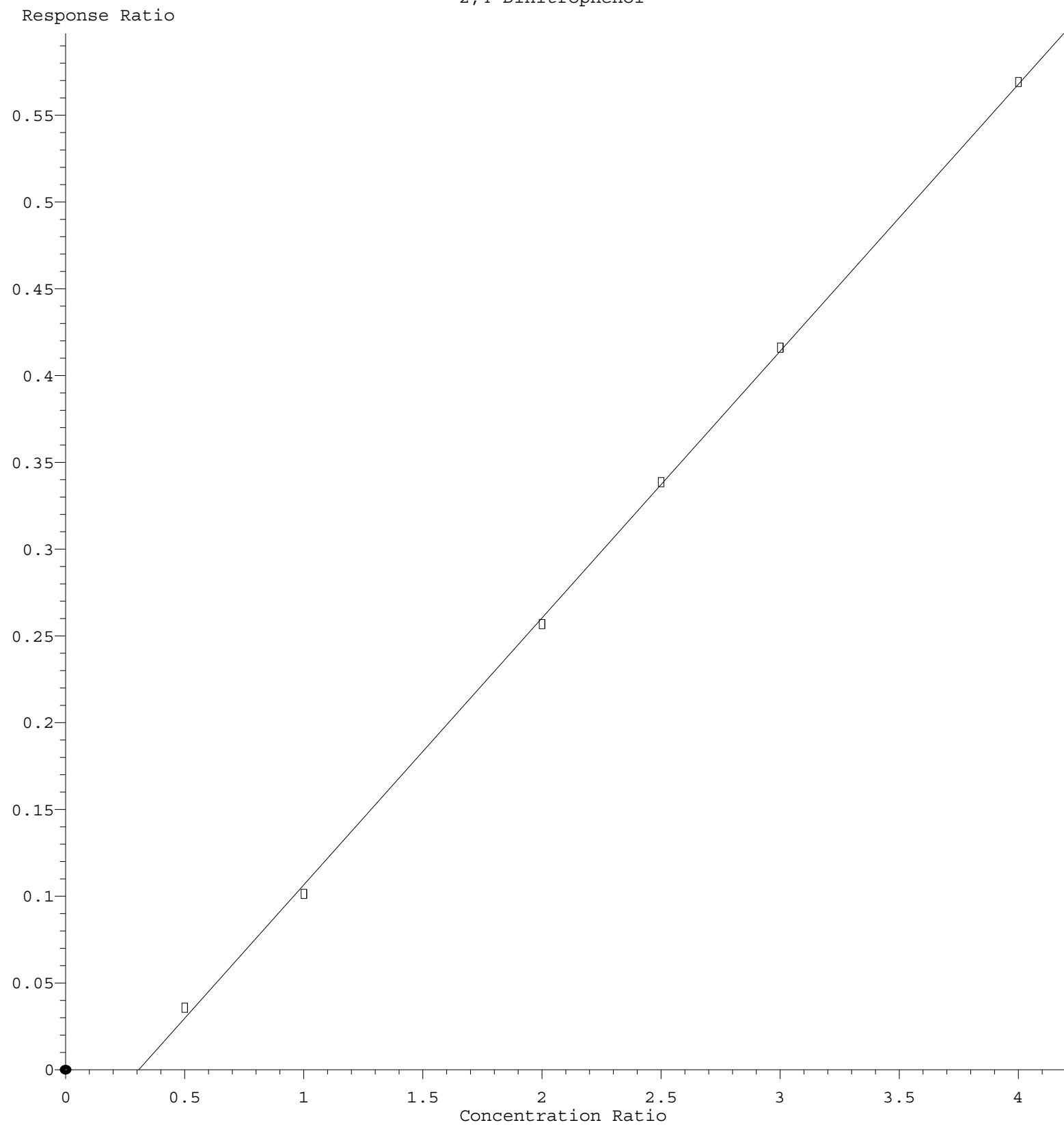
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.619	0.600	0.562	0.559	0.562	0.538	0.586	7.15	
41) P	Hexachlorocycl...	0.124	0.145	0.169	0.183	0.177	0.181	0.169	0.164	13.27	
42) S	2,4,6-Tribromo...	0.199	0.200	0.197	0.194	0.197	0.202	0.195	0.198	1.40	
43) C	2,4,6-Trichlor...	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)	Butylbenzylphth...	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

2,4-Dinitrophenol



$$\text{Response} = 1.539\text{e-}001 * \text{Amt} - 4.717\text{e-}002$$

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

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)

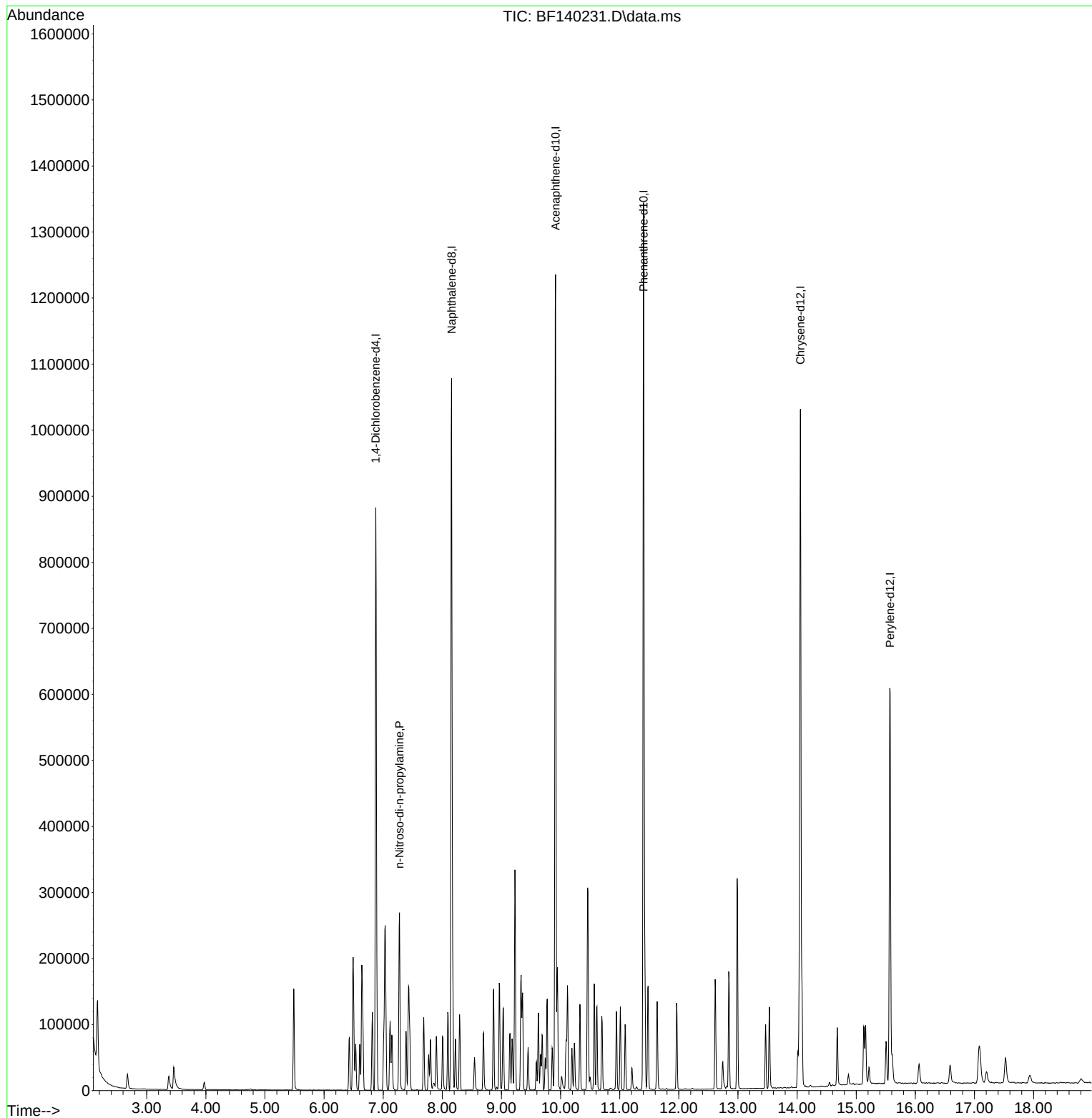
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	169994	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	642367	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	390405	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	693037	20.000	ng	0.00
76) Chrysene-d12	14.057	240	449357	20.000	ng	0.00
86) Perylene-d12	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

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



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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Abundance

TIC: BF140233.D\data.ms

Time-->

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Abundance

TIC: BF140234.D\data.ms

Time-->

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

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

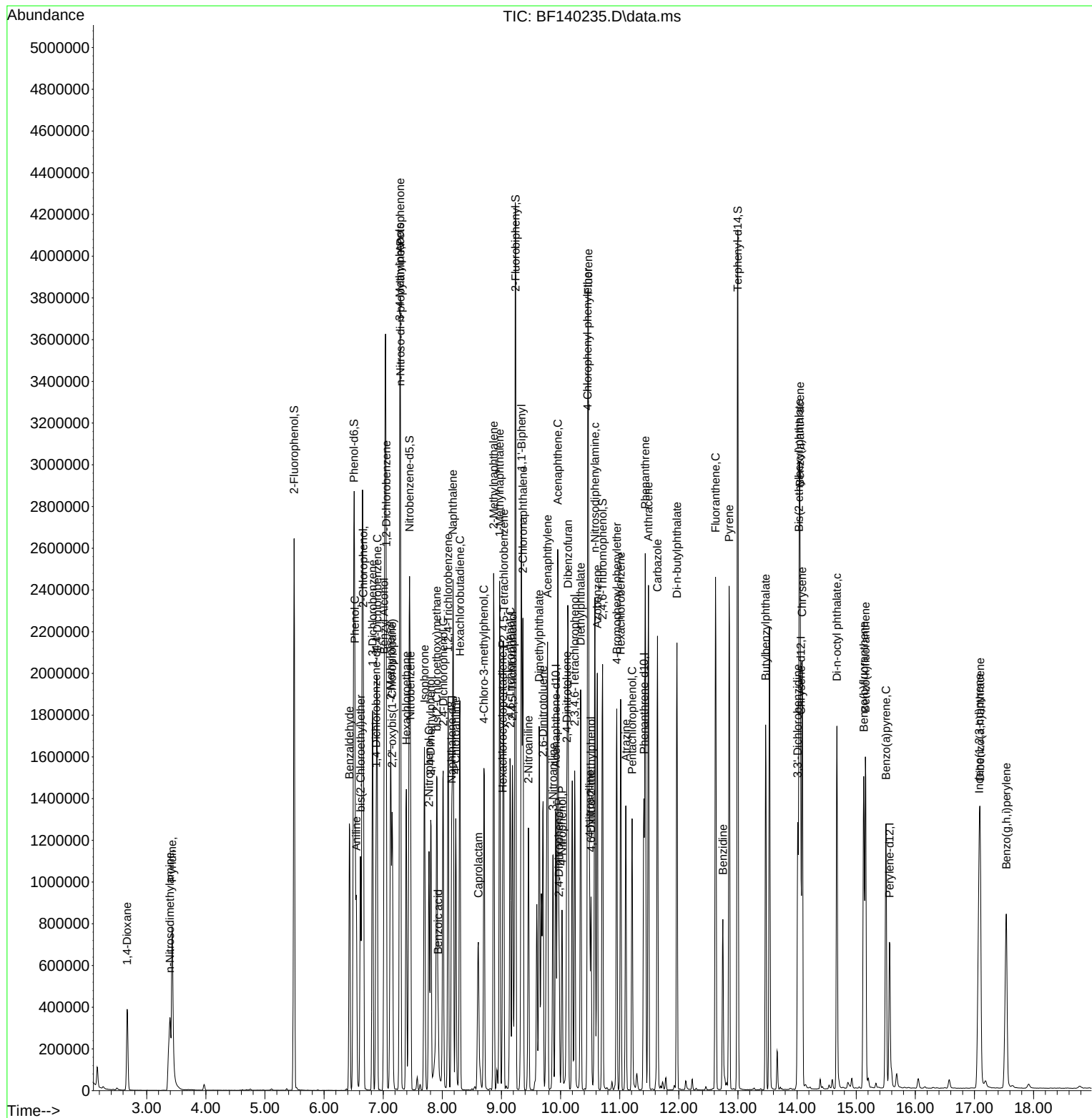
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	316737	39.126	ng	100
46) 1,1'-Biphenyl	9.339	154	1167873	38.070	ng	100
47) 2-Chloronaphthalene	9.363	162	891580	38.615	ng	100
48) 2-Nitroaniline	9.457	65	312804	40.511	ng	100
49) Acenaphthylene	9.780	152	1261736	38.599	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

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



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

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

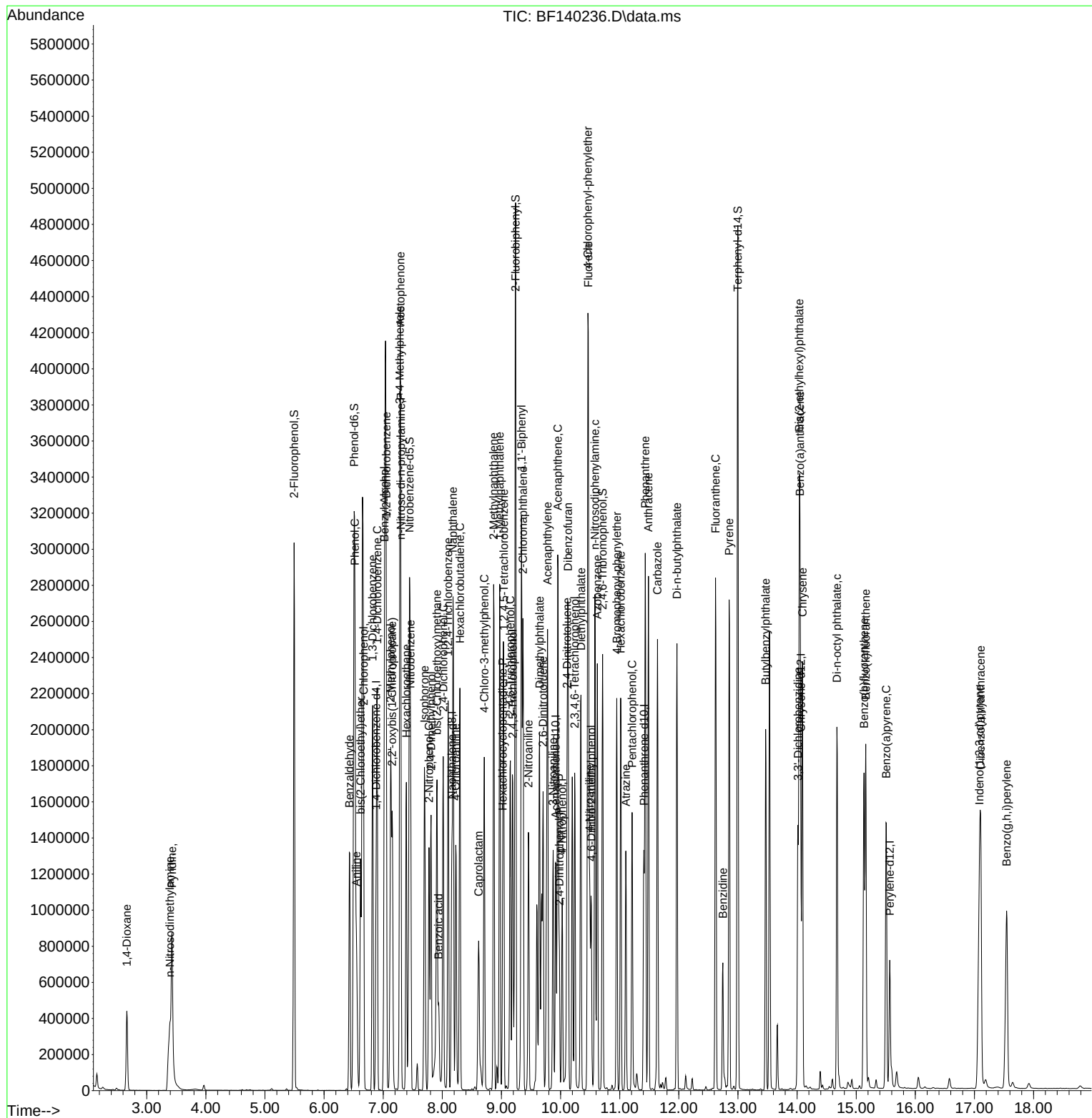
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	374740	49.033	ng	98
46) 1,1'-Biphenyl	9.339	154	1343825	46.401	ng	99
47) 2-Chloronaphthalene	9.363	162	1037538	47.599	ng	100
48) 2-Nitroaniline	9.457	65	363600	49.879	ng	99
49) Acenaphthylene	9.781	152	1467454	47.552	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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations

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



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

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

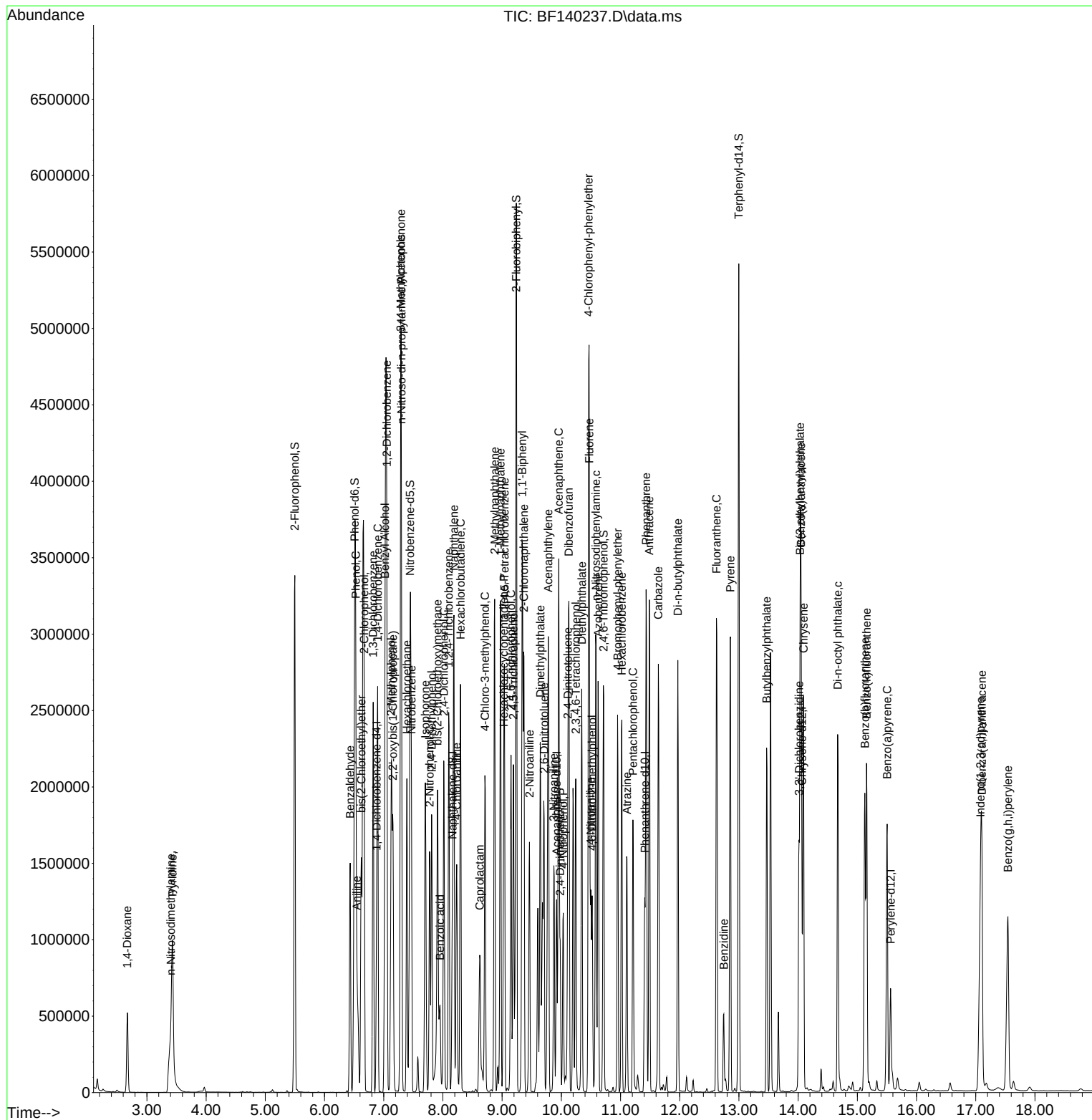
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	447116	60.190	ng	99
46) 1,1'-Biphenyl	9.339	154	1574040	55.917	ng	99
47) 2-Chloronaphthalene	9.369	162	1214984	57.347	ng	100
48) 2-Nitroaniline	9.463	65	425232	60.015	ng	98
49) Acenaphthylene	9.780	152	1696341	56.553	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

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



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

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

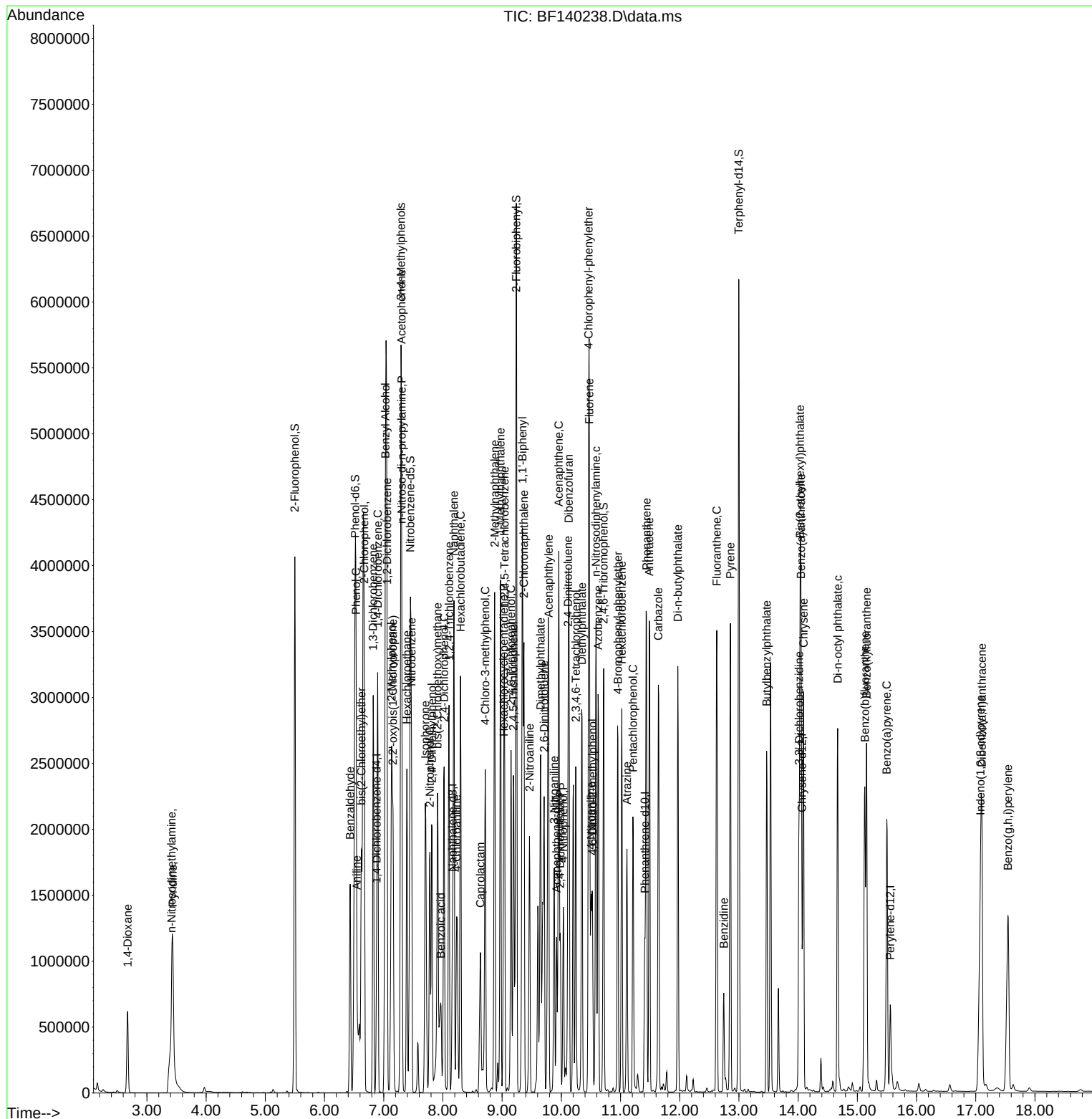
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110524\
Data File : BF140238.D
Acq On : 05 Nov 2024 15:30
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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



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

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

Instrument :
BNA_F
ClientSampleId :
ICVBF110524

[illegible]

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)
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

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)
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

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

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)
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

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	Benzydine	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

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

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): 11/13/2024 11/13/2024
 Calibration Time(s): 09:01 12:48

LAB FILE ID:		RRF2.5 = BF140332.D			RRF005 = BF140333.D		RRF010 = BF140334.D	
		RRF020 = BF140335.D			RRF050 = BF140337.D		RRF060 = BF140338.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2-Fluorophenol		1.329	1.257	1.223	1.090	1.118	1.171	8.8
Benzaldehyde		1.101	1.087	1.017	0.828	0.783	0.951	14.3
Phenol-d6		1.773	1.691	1.643	1.483	1.507	1.587	8.1
Phenol		1.799	1.793	1.743	1.582	1.597	1.674	7.3
bis(2-Chloroethyl) ether		1.359	1.294	1.306	1.227	1.249	1.268	4.6
2-Chlorophenol		1.397	1.349	1.332	1.176	1.184	1.258	8.5
2-Methylphenol		1.092	1.062	1.072	0.998	1.016	1.035	5.1
2,2-oxybis(1-Chloropropane)		1.906	1.826	1.815	1.666	1.684	1.752	7.0
Acetophenone		0.532	0.508	0.481	0.434	0.441	0.465	9.4
3+4-Methylphenols		1.436	1.427	1.359	1.200	1.198	1.295	10.2
n-Nitroso-di-n-propylamine	1.032	1.029	1.003	0.986	0.883	0.905	0.959	7.3
Nitrobenzene-d5		0.411	0.401	0.399	0.368	0.379	0.384	5.3
Hexachloroethane		0.562	0.543	0.550	0.500	0.506	0.520	6.3
Nitrobenzene		0.423	0.421	0.406	0.390	0.394	0.400	4.6
Isophorone		0.736	0.702	0.692	0.654	0.671	0.680	4.9
2-Nitrophenol		0.175	0.179	0.181	0.175	0.181	0.177	2.0
2,4-Dimethylphenol		0.238	0.236	0.232	0.221	0.227	0.227	3.9
bis(2-Chloroethoxy) methane		0.461	0.442	0.430	0.398	0.404	0.417	6.8
2,4-Dichlorophenol		0.307	0.296	0.287	0.272	0.272	0.281	6.2
Naphthalene		1.160	1.105	1.064	0.950	0.955	1.015	9.6
4-Chloroaniline		0.390	0.386	0.370	0.333	0.340	0.353	8.4
Hexachlorobutadiene		0.220	0.214	0.210	0.188	0.190	0.199	7.7
Caprolactam		0.098	0.093	0.094	0.091	0.095	0.093	3.3
4-Chloro-3-methylphenol		0.331	0.327	0.320	0.299	0.304	0.311	5.1
2-Methylnaphthalene		0.751	0.706	0.683	0.610	0.607	0.651	10.0
Hexachlorocyclopentadiene			0.111	0.143	0.156	0.159	0.142	12.0
2,4,6-Trichlorophenol		0.380	0.374	0.374	0.360	0.352	0.363	3.9
2-Fluorobiphenyl		1.524	1.396	1.351	1.125	1.110	1.244	14.5
2,4,5-Trichlorophenol		0.421	0.417	0.412	0.387	0.390	0.397	5.4
1,1-Biphenyl		1.690	1.571	1.565	1.368	1.343	1.455	10.8
2-Chloronaphthalene		1.279	1.182	1.149	1.064	1.049	1.108	9.2
2-Nitroaniline		0.378	0.365	0.384	0.365	0.366	0.368	2.9
Dimethylphthalate		1.464	1.358	1.371	1.246	1.244	1.304	7.5
Acenaphthylene		1.940	1.802	1.786	1.582	1.552	1.677	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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): 11/13/2024 11/13/2024
 Calibration Time(s): 09:01 12:48

LAB FILE ID:		RRF2.5 = BF140332.D			RRF005 = BF140333.D		RRF010 = BF140334.D	
		RRF020 = BF140335.D			RRF050 = BF140337.D		RRF060 = BF140338.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.317	0.303	0.313	0.291	0.289	0.297	5.6
3-Nitroaniline		0.333	0.327	0.335	0.307	0.298	0.312	6.9
Acenaphthene		1.259	1.204	1.192	1.091	1.079	1.133	7.8
2,4-Dinitrophenol			0.109	0.148	0.178	0.170	0.153	16.3
4-Nitrophenol		0.199	0.217	0.239	0.240	0.237	0.228	6.7
Dibenzofuran		1.904	1.736	1.715	1.502	1.466	1.603	11.9
2,4-Dinitrotoluene		0.414	0.400	0.417	0.387	0.382	0.391	5.8
Diethylphthalate		1.525	1.417	1.398	1.272	1.246	1.333	8.8
4-Chlorophenyl-phenylether		0.739	0.688	0.669	0.583	0.567	0.625	12.0
Fluorene		1.525	1.403	1.365	1.168	1.137	1.267	13.1
4-Nitroaniline		0.335	0.325	0.328	0.316	0.313	0.319	3.9
4,6-Dinitro-2-methylphenol		0.080	0.098	0.113	0.117	0.120	0.108	13.0
n-Nitrosodiphenylamine		0.651	0.630	0.600	0.541	0.541	0.578	8.6
2,4,6-Tribromophenol		0.220	0.211	0.207	0.191	0.189	0.199	6.9
4-Bromophenyl-phenylether		0.227	0.210	0.209	0.191	0.188	0.200	8.1
Hexachlorobenzene		0.251	0.242	0.232	0.209	0.215	0.225	7.5
Atrazine		0.191	0.183	0.135	0.155	0.205	0.175	17.0
Pentachlorophenol		0.097	0.108	0.124	0.131	0.130	0.121	10.9
Phenanthrene		1.096	1.053	0.986	0.868	0.851	0.940	11.3
Anthracene		1.071	1.018	0.966	0.860	0.839	0.921	10.8
Carbazole		1.053	1.009	0.963	0.846	0.834	0.909	11.0
Di-n-butylphthalate		1.214	1.177	1.150	1.036	1.023	1.091	8.4
Fluoranthene		1.256	1.201	1.141	0.962	0.933	1.054	13.9
Pyrene		1.748	1.706	1.643	1.728	1.800	1.711	3.1
Terphenyl-d14		1.226	1.185	1.108	1.139	1.190	1.152	4.3
Butylbenzylphthalate		0.640	0.638	0.654	0.670	0.681	0.657	3.6
3,3-Dichlorobenzidine		0.438	0.431	0.433	0.406	0.416	0.418	3.8
Benzo (a) anthracene		1.451	1.418	1.351	1.229	1.294	1.314	7.3
Chrysene		1.394	1.241	1.235	1.137	1.123	1.199	8.4
Bis (2-ethylhexyl) phthalate		0.886	0.890	0.897	0.858	0.869	0.877	4.1
Di-n-octyl phthalate		1.231	1.217	1.270	1.187	1.241	1.235	2.9
Benzo (b) fluoranthene		1.405	1.352	1.471	1.235	1.233	1.308	7.8
Benzo (k) fluoranthene		1.286	1.241	1.120	0.952	0.935	1.069	14.5
Benzo (a) pyrene		1.100	1.053	1.054	0.970	0.980	1.016	5.4
Indeno (1,2,3-cd) pyrene		1.116	1.150	1.138	1.316	1.354	1.235	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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): 11/13/2024 11/13/2024

Calibration Time(s): 09:01 12:48

LAB FILE ID:		RRF2.5 = BF140332.D		RRF005 = BF140333.D		RRF010 = BF140334.D		
		RRF020 = BF140335.D		RRF050 = BF140337.D		RRF060 = BF140338.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
Dibenzo (a,h) anthracene		0.941	0.952	0.944	1.074	1.121	1.021	7.3
Benzo (g,h,i) perylene		0.941	0.963	0.954	1.122	1.146	1.044	8.5
1,2,4,5-Tetrachlorobenzene		0.646	0.585	0.583	0.524	0.517	0.553	9.8
1,4-Dioxane		0.582	0.546	0.530	0.495	0.506	0.522	6.5
2,3,4,6-Tetrachlorophenol		0.322	0.328	0.326	0.308	0.302	0.313	4.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 13 14:40:06 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF140339.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53	
3)	Pyridine	1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61	
4)	n-Nitrosodimet...	0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39	
5) S	2-Fluorophenol	1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84	
6)	Aniline	1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42	
7) S	Phenol-d6	1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09	
8)	2-Chlorophenol	1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49	
9)	Benzaldehyde	1.101	1.087	1.017	0.891	0.828	0.783	0.951	14.32		
10) C	Phenol	1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31	
11)	bis(2-Chloroet...	1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60	
12)	1,3-Dichlorobe...	1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98	
13) C	1,4-Dichlorobe...	1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49	
14)	1,2-Dichlorobe...	1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63	
15)	Benzyl Alcohol	1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10	
16)	2,2'-oxybis(1-...	1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01	
17)	2-Methylphenol	1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07	
18)	Hexachloroethane	0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30	
19) P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)	3+4-Methylphenols	1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35	
23) S	Nitrobenzene-d5	0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28	
24)	Nitrobenzene	0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61	
25)	Isophorone	0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87	
26) C	2-Nitrophenol	0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99	
27)	2,4-Dimethylph...	0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86	
28)	bis(2-Chloroet...	0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80	
29) C	2,4-Dichloroph...	0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20	
30)	1,2,4-Trichlor...	0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15	
31)	Naphthalene	1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60	
32)	Benzoic acid	0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01	
33)	4-Chloroaniline	0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36	
34) C	Hexachlorobuta...	0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73	
35)	Caprolactam	0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27	
36) C	4-Chloro-3-met...	0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14	
37)	2-Methylnaphth...	0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01	
38)	1-Methylnaphth...	0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111324.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85	
41) P	Hexachlorocycl...	0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04		
42) S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88	
43) C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87	
44)	2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41	
45) S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50	
46)	1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80	
47)	2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20	
48)	2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91	
49)	Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29	
50)	Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47	
51)	2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57	
52) C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78	
53)	3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92	
54) P	2,4-Dinitrophenol	0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27		
55)	Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92	
56) P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67	
57)	2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77	
58)	Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14	
59)	2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61	
60)	Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85	
61)	4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01	
62)	4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86	
63)	Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00	
66) c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57	
67)	4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14	
68)	Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54	
69)	Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03	
70) C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87	
71)	Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33	
72)	Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81	
73)	Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02	
74)	Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37	
75) C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64		
78)	Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08	
79) S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26	
80)	Butylbenzylpht...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56	
81)	Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31	
82)	3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79	
83)	Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44	
84)	Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07	
85) c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02	
88)	Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82	
89)	Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47	
90) C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40	
91)	Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30	
92)	Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55	

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140332.D
 Acq On : 13 Nov 2024 09:01
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

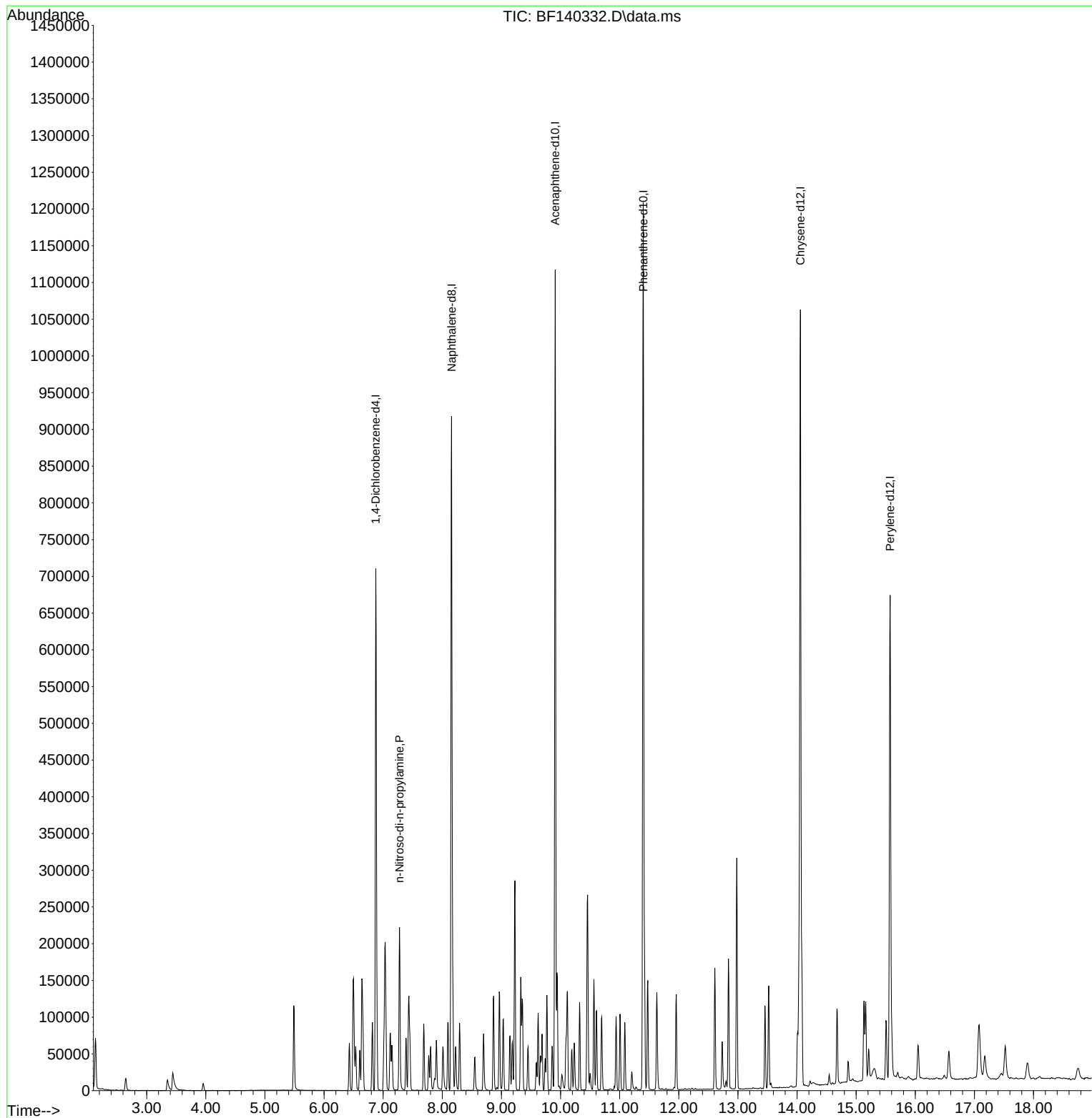
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	569357	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	324094	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	631650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	473843	20.000	ng	0.00
86) Perylene-d12	15.574	264	387360	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.275	70	18995	2.692	ng	Qvalue 97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140332.D
Acq On : 13 Nov 2024 09:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 13 14:21:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140333.D
 Acq On : 13 Nov 2024 09:27
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 11/14/2024

Supervised By :mohammad
 ahmed
 11/14/2024

Quant Time: Nov 13 14:22:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147440	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	561082	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	317345	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	615904	20.000	ng	0.00
76) Chrysene-d12	14.051	240	462864	20.000	ng	0.00
86) Perylene-d12	15.563	264	372118	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	98004	11.349	ng	0.00
7) Phenol-d6	6.493	99	130723	11.173	ng	-0.01
23) Nitrobenzene-d5	7.434	82	115292	10.706	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	34890	11.056	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	241751	12.246	ng	0.00
79) Terphenyl-d14	12.980	244	283824	10.644	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	21442	5.571	ng	95
3) Pyridine	3.422	79	52697	5.569	ng	98
4) n-Nitrosodimethylamine	3.346	42	24263	5.074	ng	# 97
6) Aniline	6.534	93	58498	5.748	ng	98
8) 2-Chlorophenol	6.657	128	51502	5.552	ng	99
9) Benzaldehyde	6.428	77	40600	5.790	ng	100
10) Phenol	6.504	94	66303	5.374	ng	99
11) bis(2-Chloroethyl)ether	6.604	93	50099	5.359	ng	97
12) 1,3-Dichlorobenzene	6.816	146	58435	5.709	ng	99
13) 1,4-Dichlorobenzene	6.893	146	58594	5.646	ng	99
14) 1,2-Dichlorobenzene	7.046	146	55054	5.714	ng	100
15) Benzyl Alcohol	7.010	79	43212	5.126	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.146	45	70257	5.441	ng	100
17) 2-Methylphenol	7.116	107	40243	5.274	ng	97
18) Hexachloroethane	7.387	117	20701	5.396	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	37919	5.366	ng	97
20) 3+4-Methylphenols	7.275	107	52942	5.548	ng	# 82
22) Acetophenone	7.281	105	74642	5.720	ng	95
24) Nitrobenzene	7.451	77	59394	5.297	ng	99
25) Isophorone	7.687	82	103224	5.409	ng	99
26) 2-Nitrophenol	7.769	139	24576	4.939	ng	99
27) 2,4-Dimethylphenol	7.804	122	33358	5.237	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	64672	5.526	ng	100
29) 2,4-Dichlorophenol	8.010	162	43077	5.472	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	48599	5.545	ng	99
31) Naphthalene	8.175	128	162710	5.717	ng	99
32) Benzoic acid	7.869	122	22671m	4.051	ng	
33) 4-Chloroaniline	8.222	127	54728	5.529	ng	99
34) Hexachlorobutadiene	8.293	225	30821	5.519	ng	99
35) Caprolactam	8.551	113	13807	5.217	ng	98
36) 4-Chloro-3-methylphenol	8.698	107	46450	5.324	ng	97
37) 2-Methylnaphthalene	8.869	142	105353	5.773	ng	97
38) 1-Methylnaphthalene	8.963	142	102975	5.762	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	51260	5.841	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	30173	5.239	ng	98
44) 2,4,5-Trichlorophenol	9.181	196	33434	5.310	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140333.D
 Acq On : 13 Nov 2024 09:27
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 11/14/2024

Supervised By :mohammad
 ahmed
 11/14/2024

Quant Time: Nov 13 14:22:24 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.328	154	134098	5.808	ng	98
47) 2-Chloronaphthalene	9.351	162	101447	5.768	ng	100
48) 2-Nitroaniline	9.451	65	29995	5.143	ng	100
49) Acenaphthylene	9.769	152	153886	5.783	ng	99
50) Dimethylphthalate	9.622	163	116132	5.614	ng	99
51) 2,6-Dinitrotoluene	9.687	165	25188	5.341	ng	98
52) Acenaphthene	9.939	154	99899	5.559	ng	98
53) 3-Nitroaniline	9.857	138	26407	5.332	ng	94
55) Dibenzofuran	10.116	168	151058	5.937	ng	97
56) 4-Nitrophenol	10.016	139	15801	4.374	ng	98
57) 2,4-Dinitrotoluene	10.092	165	32877	5.297	ng	98
58) Fluorene	10.457	166	121014	6.021	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.234	232	25576	5.149	ng	99
60) Diethylphthalate	10.322	149	120988	5.720	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	58593	5.905	ng	97
62) 4-Nitroaniline	10.463	138	26578	5.249	ng	96
63) Azobenzene	10.610	77	118816	5.685	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	12385	3.738	ng	96
66) n-Nitrosodiphenylamine	10.563	169	100287	5.636	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	34999	5.685	ng	96
68) Hexachlorobenzene	11.004	284	38627	5.576	ng	98
69) Atrazine	11.086	200	29460	5.472	ng	97
70) Pentachlorophenol	11.204	266	14987	4.016	ng	97
71) Phenanthrene	11.422	178	168742	5.832	ng	99
72) Anthracene	11.475	178	164923	5.816	ng	98
73) Carbazole	11.628	167	162080	5.789	ng	99
74) Di-n-butylphthalate	11.957	149	186931	5.563	ng	100
75) Fluoranthene	12.610	202	193346	5.956	ng	99
78) Pyrene	12.839	202	202260	5.109	ng	99
80) Butylbenzylphthalate	13.457	149	74075	4.870	ng	96
81) Benzo(a)anthracene	14.039	228	167855	5.518	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	50636	5.237	ng	98
83) Chrysene	14.074	228	161255	5.810	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	102534	5.051	ng	99
85) Di-n-octyl phthalate	14.663	149	142493	4.984	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	103830	4.517	ng	98
88) Benzo(b)fluoranthene	15.121	252	130731	5.371	ng	99
89) Benzo(k)fluoranthene	15.145	252	119602	6.014	ng	99
90) Benzo(a)pyrene	15.492	252	102364	5.415	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	87528	4.607	ng	99
92) Benzo(g,h,i)perylene	17.504	276	87547	4.507	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140333.D
Acq On : 13 Nov 2024 09:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

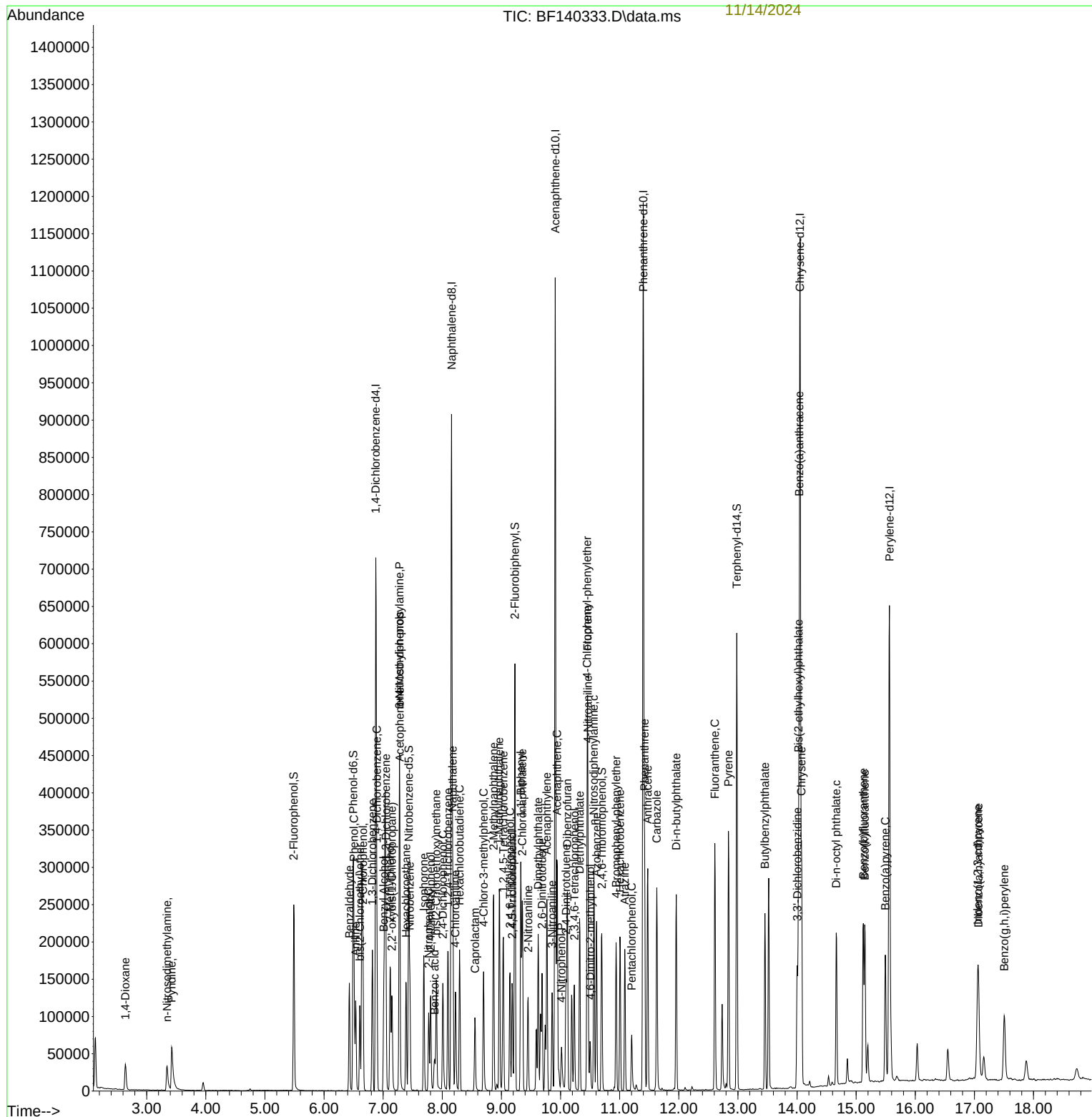
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh
Patel
11/14/2024

Supervised By :mohammad
ahmed
11/14/2024

Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140334.D
 Acq On : 13 Nov 2024 09:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:23:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	151757	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	576727	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	332343	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	625922	20.000	ng	0.00
76) Chrysene-d12	14.051	240	456049	20.000	ng	0.00
86) Perylene-d12	15.562	264	358045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	190834	21.470	ng	0.00
7) Phenol-d6	6.492	99	256677	21.315	ng	-0.01
23) Nitrobenzene-d5	7.434	82	231031	20.872	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	70040	21.193	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	463950	22.441	ng	0.00
79) Terphenyl-d14	12.980	244	540367	20.567	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.640	88	41430	10.458	ng	98
3) Pyridine	3.416	79	101886	10.462	ng	100
4) n-Nitrosodimethylamine	3.346	42	47921	9.736	ng	96
6) Aniline	6.534	93	115851	11.059	ng	99
8) 2-Chlorophenol	6.657	128	102376	10.723	ng	100
9) Benzaldehyde	6.428	77	82498	11.431	ng	99
10) Phenol	6.510	94	136055	10.713	ng	96
11) bis(2-Chloroethyl)ether	6.604	93	98194	10.205	ng	97
12) 1,3-Dichlorobenzene	6.816	146	111939	10.626	ng	99
13) 1,4-Dichlorobenzene	6.892	146	116395	10.897	ng	99
14) 1,2-Dichlorobenzene	7.045	146	108453	10.937	ng	98
15) Benzyl Alcohol	7.010	79	90500	10.431	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	138565	10.425	ng	99
17) 2-Methylphenol	7.122	107	80567	10.258	ng	99
18) Hexachloroethane	7.387	117	41189	10.431	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	76077	10.460	ng	96
20) 3+4-Methylphenols	7.275	107	108265	11.022	ng	# 89
22) Acetophenone	7.281	105	146536	10.925	ng	97
24) Nitrobenzene	7.451	77	121397	10.534	ng	99
25) Isophorone	7.686	82	202309	10.313	ng	98
26) 2-Nitrophenol	7.769	139	51547	10.079	ng	97
27) 2,4-Dimethylphenol	7.804	122	68066	10.396	ng	100
28) bis(2-Chloroethoxy)met...	7.898	93	127440	10.594	ng	99
29) 2,4-Dichlorophenol	8.010	162	85290	10.540	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	95485	10.599	ng	99
31) Naphthalene	8.181	128	318527	10.887	ng	99
32) Benzoic acid	7.875	122	51387m	8.934	ng	
33) 4-Chloroaniline	8.222	127	111264	10.936	ng	99
34) Hexachlorobutadiene	8.292	225	61596	10.731	ng	99
35) Caprolactam	8.563	113	26940	9.902	ng	97
36) 4-Chloro-3-methylphenol	8.698	107	94282	10.514	ng	99
37) 2-Methylnaphthalene	8.869	142	203533	10.850	ng	99
38) 1-Methylnaphthalene	8.969	142	200722	10.926	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	97174	10.573	ng	98
41) Hexachlorocyclopentadiene	9.022	237	18405	7.800	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	62134	10.302	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140334.D
 Acq On : 13 Nov 2024 09:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:23:21 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 13 13:11:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	69370	10.520	ng	98
46) 1,1'-Biphenyl	9.328	154	261030	10.796	ng	99
47) 2-Chloronaphthalene	9.357	162	196370	10.662	ng	99
48) 2-Nitroaniline	9.451	65	60634	9.927	ng	99
49) Acenaphthylene	9.769	152	299521	10.749	ng	100
50) Dimethylphthalate	9.628	163	225705	10.419	ng	99
51) 2,6-Dinitrotoluene	9.692	165	50400	10.206	ng	97
52) Acenaphthene	9.945	154	200055	10.629	ng	99
53) 3-Nitroaniline	9.857	138	54319	10.473	ng	99
54) 2,4-Dinitrophenol	9.969	184	18126	7.117	ng	98
55) Dibenzofuran	10.116	168	288411	10.825	ng	98
56) 4-Nitrophenol	10.016	139	36056	9.531	ng	98
57) 2,4-Dinitrotoluene	10.092	165	66496	10.231	ng	98
58) Fluorene	10.457	166	233209	11.080	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	54566m	10.489	ng	
60) Diethylphthalate	10.328	149	235508	10.632	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	114328	11.002	ng	98
62) 4-Nitroaniline	10.469	138	54026	10.188	ng	98
63) Azobenzene	10.610	77	231165	10.562	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	30629	9.095	ng	97
66) n-Nitrosodiphenylamine	10.563	169	197047	10.896	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	65844	10.524	ng	98
68) Hexachlorobenzene	11.010	284	75713	10.755	ng	95
69) Atrazine	11.092	200	57244	10.462	ng	99
70) Pentachlorophenol	11.204	266	33884	8.935	ng	98
71) Phenanthrene	11.422	178	329580	11.209	ng	99
72) Anthracene	11.475	178	318560	11.055	ng	98
73) Carbazole	11.627	167	315859	11.101	ng	99
74) Di-n-butylphthalate	11.957	149	368412	10.788	ng	99
75) Fluoranthene	12.610	202	375846	11.394	ng	99
77) Benzidine	12.733	184	144597	8.261	ng	99
78) Pyrene	12.839	202	388982	9.972	ng	98
80) Butylbenzylphthalate	13.457	149	145394	9.702	ng	98
81) Benzo(a)anthracene	14.039	228	323440	10.791	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	98211	10.309	ng	99
83) Chrysene	14.080	228	282868	10.343	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	202970	10.147	ng	99
85) Di-n-octyl phthalate	14.668	149	277399	9.847	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	205803	9.305	ng	99
88) Benzo(b)fluoranthene	15.127	252	241957	10.331	ng	99
89) Benzo(k)fluoranthene	15.151	252	222087	11.607	ng	99
90) Benzo(a)pyrene	15.498	252	188533	10.366	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	170496	9.326	ng	100
92) Benzo(g,h,i)perylene	17.515	276	172345	9.221	ng	100

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

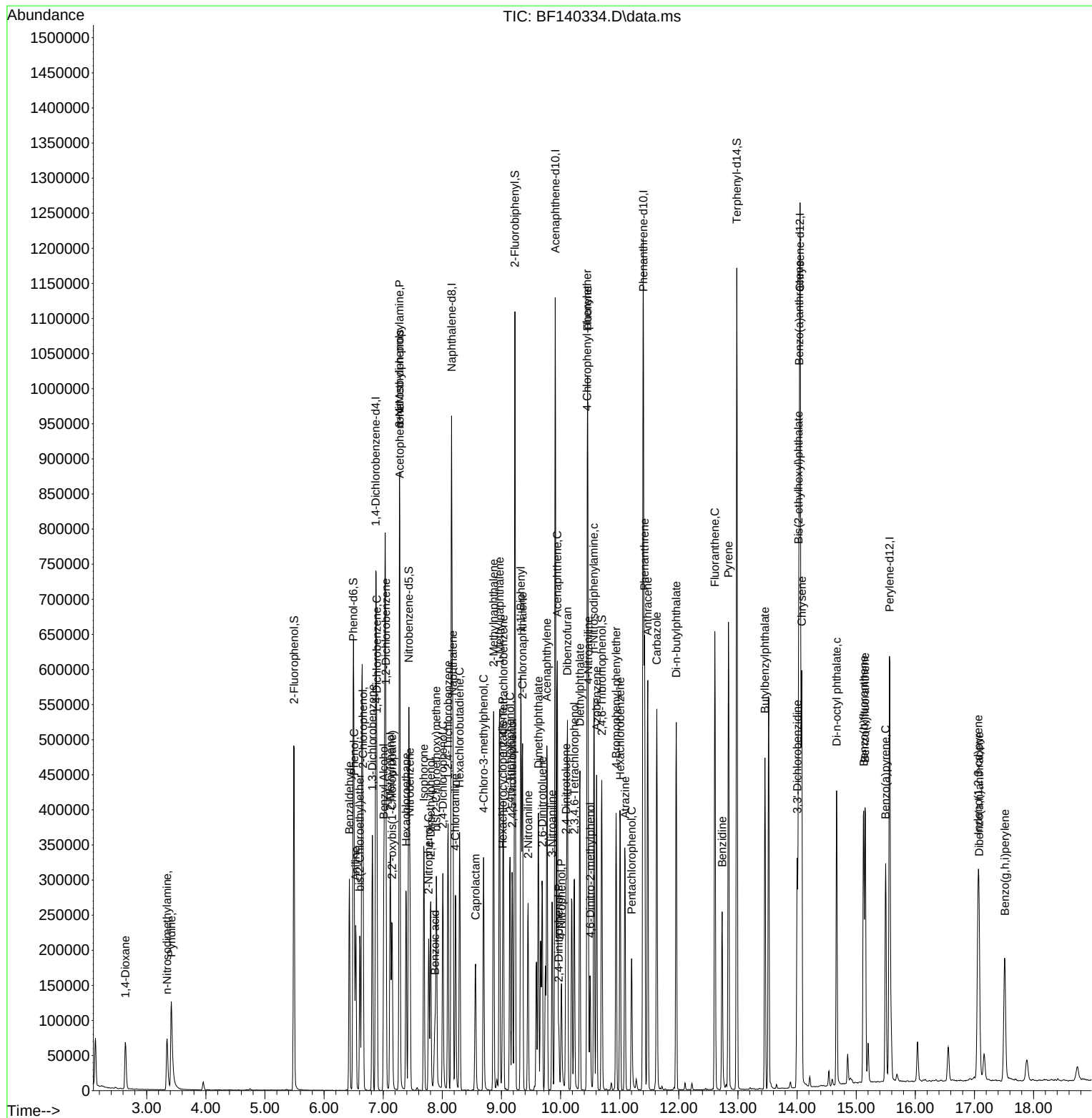
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140334.D
 Acq On : 13 Nov 2024 09:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:23:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140335.D
 Acq On : 13 Nov 2024 10:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Nov 13 14:24:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149945	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	574759	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	321015	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	615627	20.000	ng	0.00
76) Chrysene-d12	14.068	240	437725	20.000	ng	0.02
86) Perylene-d12	15.592	264	335998	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	366621	41.746	ng	0.00
7) Phenol-d6	6.498	99	492662	41.406	ng	0.00
23) Nitrobenzene-d5	7.434	82	458389	41.554	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132693	41.567	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	867449	43.439	ng	0.00
79) Terphenyl-d14	12.986	244	969963	38.464	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	79493	20.309	ng	99
3) Pyridine	3.399	79	198352	20.613	ng	98
4) n-Nitrosodimethylamine	3.340	42	97556	20.059	ng	100
6) Aniline	6.540	93	224200	21.661	ng	96
8) 2-Chlorophenol	6.657	128	199701	21.169	ng	100
9) Benzaldehyde	6.428	77	152483	21.383	ng	99
10) Phenol	6.510	94	261330	20.827	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	195860	20.601	ng	100
12) 1,3-Dichlorobenzene	6.816	146	218012	20.945	ng	99
13) 1,4-Dichlorobenzene	6.892	146	222816	21.112	ng	100
14) 1,2-Dichlorobenzene	7.045	146	209619	21.394	ng	99
15) Benzyl Alcohol	7.010	79	179832	20.978	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	272081	20.718	ng	99
17) 2-Methylphenol	7.122	107	160794	20.720	ng	99
18) Hexachloroethane	7.387	117	82445	21.130	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	147880	20.578	ng	99
20) 3+4-Methylphenols	7.275	107	203732	20.992	ng	97
22) Acetophenone	7.281	105	276331	20.672	ng	98
24) Nitrobenzene	7.457	77	233182	20.302	ng	99
25) Isophorone	7.692	82	397520	20.333	ng	100
26) 2-Nitrophenol	7.769	139	104117	20.428	ng	97
27) 2,4-Dimethylphenol	7.804	122	133218	20.416	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	246864	20.593	ng	100
29) 2,4-Dichlorophenol	8.010	162	165159	20.480	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	187022	20.831	ng	98
31) Naphthalene	8.181	128	611395	20.969	ng	100
32) Benzoic acid	7.898	122	103495	18.055	ng	98
33) 4-Chloroaniline	8.222	127	212489	20.956	ng	99
34) Hexachlorobutadiene	8.292	225	120624	21.087	ng	100
35) Caprolactam	8.575	113	54033	19.929	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	183923	20.581	ng	99
37) 2-Methylnaphthalene	8.869	142	392634	21.001	ng	100
38) 1-Methylnaphthalene	8.969	142	386754	21.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	187279	21.097	ng	99
41) Hexachlorocyclopentadiene	9.022	237	45811	20.099	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	120063	20.609	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140335.D
 Acq On : 13 Nov 2024 10:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Nov 13 14:24:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

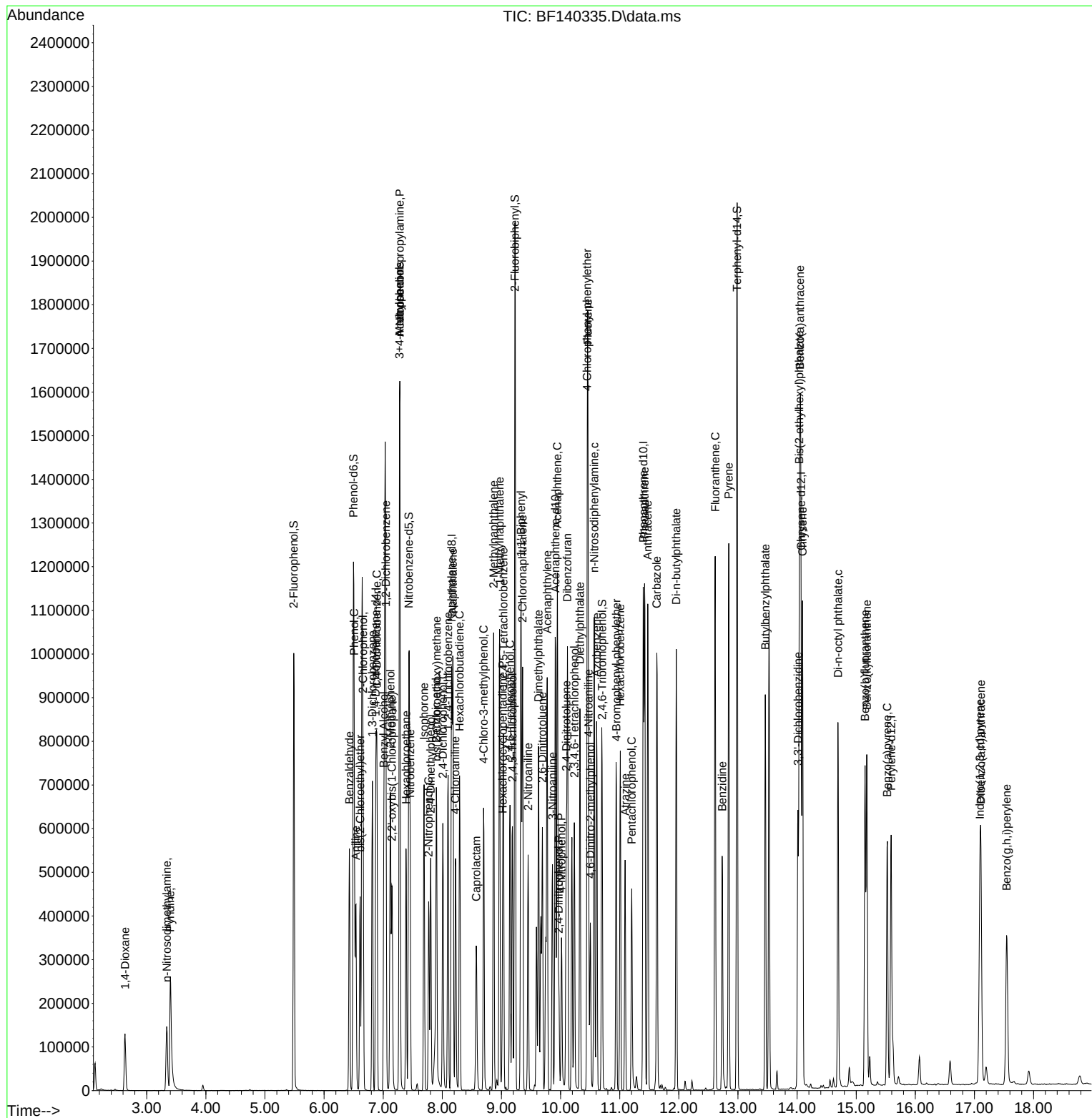
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	132413	20.789	ng	98
46) 1,1'-Biphenyl	9.333	154	502252	21.506	ng	99
47) 2-Chloronaphthalene	9.357	162	368985	20.741	ng	99
48) 2-Nitroaniline	9.451	65	123220	20.885	ng	98
49) Acenaphthylene	9.775	152	573335	21.301	ng	99
50) Dimethylphthalate	9.628	163	440050	21.031	ng	100
51) 2,6-Dinitrotoluene	9.692	165	100599	21.089	ng	99
52) Acenaphthene	9.945	154	382783	21.056	ng	100
53) 3-Nitroaniline	9.863	138	107540	21.467	ng	99
54) 2,4-Dinitrophenol	9.969	184	47413	19.274	ng	96
55) Dibenzofuran	10.116	168	550502	21.391	ng	99
56) 4-Nitrophenol	10.016	139	76711	20.993	ng	99
57) 2,4-Dinitrotoluene	10.098	165	133852	21.321	ng	96
58) Fluorene	10.463	166	438095	21.548	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	104638	20.824	ng	98
60) Diethylphthalate	10.328	149	448855	20.979	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	214868	21.407	ng	100
62) 4-Nitroaniline	10.475	138	105392	20.576	ng	99
63) Azobenzene	10.610	77	443044	20.957	ng	99
65) 4,6-Dinitro-2-methylph...	10.504	198	69851	21.089	ng	99
66) n-Nitrosodiphenylamine	10.569	169	369633	20.780	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	128501	20.881	ng	97
68) Hexachlorobenzene	11.010	284	143099	20.667	ng	98
69) Atrazine	11.092	200	83124	15.446	ng	98
70) Pentachlorophenol	11.204	266	76218	20.435	ng	99
71) Phenanthrene	11.422	178	606738	20.980	ng	100
72) Anthracene	11.475	178	594950	20.991	ng	99
73) Carbazole	11.627	167	592904	21.186	ng	100
74) Di-n-butylphthalate	11.957	149	707973	21.077	ng	100
75) Fluoranthene	12.616	202	702671	21.657	ng	99
77) Benzidine	12.733	184	299422	17.823	ng	100
78) Pyrene	12.845	202	719319	19.212	ng	99
80) Butylbenzylphthalate	13.463	149	286162	19.895	ng	98
81) Benzo(a)anthracene	14.051	228	591480	20.560	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	189466	20.720	ng	99
83) Chrysene	14.092	228	540430	20.589	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	392830	20.462	ng	99
85) Di-n-octyl phthalate	14.692	149	556097	20.567	ng	99
87) Indeno(1,2,3-cd)pyrene	17.092	276	382218	18.415	ng	99
88) Benzo(b)fluoranthene	15.151	252	494335	22.491	ng	99
89) Benzo(k)fluoranthene	15.180	252	376428	20.964	ng	99
90) Benzo(a)pyrene	15.527	252	354286	20.757	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	317133	18.485	ng	99
92) Benzo(g,h,i)perylene	17.545	276	320648	18.281	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140335.D
 Acq On : 13 Nov 2024 10:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Quant Time: Nov 13 14:24:16 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140337.D
 Acq On : 13 Nov 2024 11:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Nov 13 14:26:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	173750	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	645813	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	355715	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	673585	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373903	20.000	ng	0.00
86) Perylene-d12	15.563	264	343764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	946604	93.020	ng	0.00
7) Phenol-d6	6.510	99	1288691	93.469	ng	0.00
23) Nitrobenzene-d5	7.445	82	1188653	95.898	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	339834	96.071	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2000974	90.428	ng	0.00
79) Terphenyl-d14	12.992	244	2129859	98.876	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	215224	47.452	ng	99
3) Pyridine	3.410	79	516550	46.326	ng	99
4) n-Nitrosodimethylamine	3.375	42	279565	49.608	ng	97
6) Aniline	6.545	93	550294	45.882	ng	99
8) 2-Chlorophenol	6.669	128	510922	46.739	ng	98
9) Benzaldehyde	6.434	77	359475	43.503	ng	99
10) Phenol	6.528	94	687077	47.255	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	533018	48.382	ng	98
12) 1,3-Dichlorobenzene	6.822	146	560974	46.511	ng	98
13) 1,4-Dichlorobenzene	6.898	146	567404	46.396	ng	99
14) 1,2-Dichlorobenzene	7.051	146	526417	46.367	ng	99
15) Benzyl Alcohol	7.022	79	477924	48.113	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	723520	47.546	ng	98
17) 2-Methylphenol	7.128	107	433403	48.196	ng	99
18) Hexachloroethane	7.392	117	217240	48.050	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	383726	46.082	ng	99
20) 3+4-Methylphenols	7.287	107	521407	46.364	ng	92
22) Acetophenone	7.292	105	700174	46.615	ng	98
24) Nitrobenzene	7.463	77	629010	48.740	ng	99
25) Isophorone	7.698	82	1056536	48.095	ng	100
26) 2-Nitrophenol	7.775	139	282885	49.397	ng	96
27) 2,4-Dimethylphenol	7.810	122	356541	48.629	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	642458	47.695	ng	100
29) 2,4-Dichlorophenol	8.016	162	439530	48.507	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	481552	47.735	ng	99
31) Naphthalene	8.181	128	1534595	46.842	ng	99
32) Benzoic acid	7.945	122	347409	53.939	ng	98
33) 4-Chloroaniline	8.234	127	538110	47.230	ng	99
34) Hexachlorobutadiene	8.298	225	304280	47.340	ng	98
35) Caprolactam	8.610	113	147323	48.359	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	482944	48.095	ng	99
37) 2-Methylnaphthalene	8.869	142	985640	46.920	ng	100
38) 1-Methylnaphthalene	8.969	142	951332	46.247	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	466149	47.389	ng	99
41) Hexachlorocyclopentadiene	9.022	237	138691	54.914	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	320277	49.613	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140337.D
 Acq On : 13 Nov 2024 11:21
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Nov 13 14:26:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

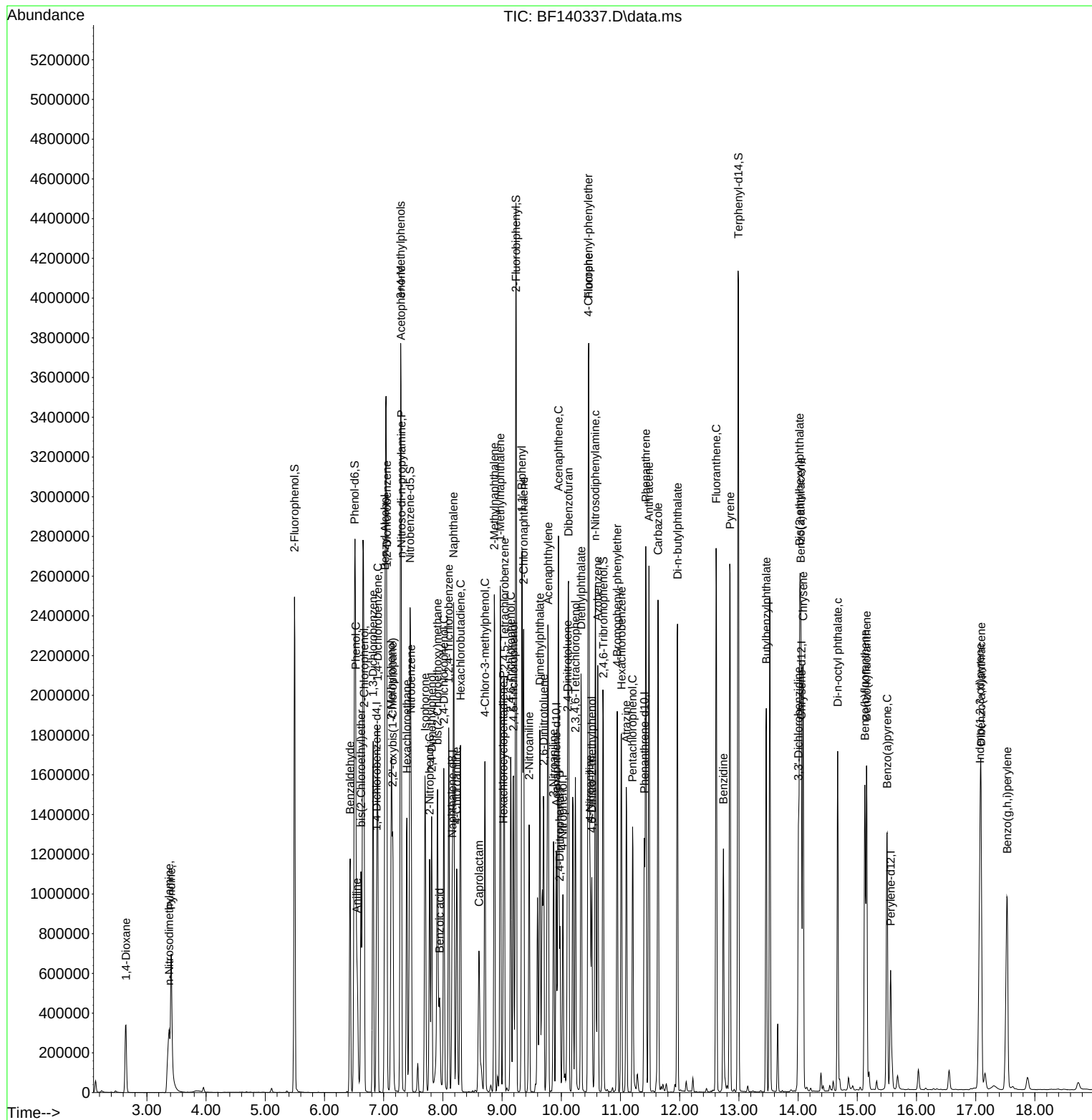
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	344237	48.773	ng	98
46) 1,1'-Biphenyl	9.334	154	1216913	47.025	ng	99
47) 2-Chloronaphthalene	9.363	162	945855	47.981	ng	99
48) 2-Nitroaniline	9.457	65	324847	49.689	ng	98
49) Acenaphthylene	9.781	152	1406468	47.156	ng	100
50) Dimethylphthalate	9.639	163	1108191	47.796	ng	100
51) 2,6-Dinitrotoluene	9.704	165	258909	48.982	ng	99
52) Acenaphthene	9.951	154	970618	48.182	ng	99
53) 3-Nitroaniline	9.869	138	272892	49.160	ng	98
54) 2,4-Dinitrophenol	9.975	184	158026	57.974	ng	97
55) Dibenzofuran	10.122	168	1335552	46.833	ng	100
56) 4-Nitrophenol	10.028	139	213518	52.733	ng	99
57) 2,4-Dinitrotoluene	10.104	165	343847	49.427	ng	97
58) Fluorene	10.463	166	1038836	46.112	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	274144	49.236	ng	99
60) Diethylphthalate	10.333	149	1130922	47.701	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	518480	46.617	ng	98
62) 4-Nitroaniline	10.486	138	280913	49.492	ng	99
63) Azobenzene	10.616	77	1112412	47.487	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	197492	54.495	ng	99
66) n-Nitrosodiphenylamine	10.575	169	910897	46.803	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	321760	47.787	ng	99
68) Hexachlorobenzene	11.016	284	351412	46.386	ng	98
69) Atrazine	11.098	200	261515	44.413	ng	99
70) Pentachlorophenol	11.204	266	220904	54.132	ng	99
71) Phenanthrene	11.428	178	1461484	46.188	ng	100
72) Anthracene	11.480	178	1447653	46.682	ng	100
73) Carbazole	11.633	167	1425182	46.543	ng	100
74) Di-n-butylphthalate	11.963	149	1745220	47.487	ng	100
75) Fluoranthene	12.616	202	1620115	45.637	ng	99
77) Benzidine	12.739	184	693785	48.345	ng	99
78) Pyrene	12.851	202	1615345	50.507	ng	99
80) Butylbenzylphthalate	13.463	149	626234	50.971	ng	97
81) Benzo(a)anthracene	14.045	228	1148657	46.743	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	379732	48.617	ng	99
83) Chrysene	14.086	228	1062734	47.398	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	801820	48.894	ng	100
85) Di-n-octyl phthalate	14.668	149	1109314	48.030	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1130711	53.247	ng	100
88) Benzo(b)fluoranthene	15.127	252	1061367	47.198	ng	100
89) Benzo(k)fluoranthene	15.157	252	818554	44.558	ng	99
90) Benzo(a)pyrene	15.504	252	833765	47.745	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	923159	52.593	ng	99
92) Benzo(g,h,i)perylene	17.533	276	963891	53.714	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140337.D
Acq On : 13 Nov 2024 11:21
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Nov 13 14:26:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140338.D
 Acq On : 13 Nov 2024 11:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 13 14:26:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	169226	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	626974	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	349852	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	653888	20.000	ng	0.00
76) Chrysene-d12	14.057	240	336717	20.000	ng	0.00
86) Perylene-d12	15.568	264	334279	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1135551	114.570	ng	0.00
7) Phenol-d6	6.516	99	1529819	113.924	ng	0.01
23) Nitrobenzene-d5	7.445	82	1426102	118.512	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	397743	114.327	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	2330064	107.065	ng	0.00
79) Terphenyl-d14	12.992	244	2404917	123.975	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	257092	58.199	ng	99
3) Pyridine	3.416	79	627905	57.818	ng	100
4) n-Nitrosodimethylamine	3.387	42	340452	62.027	ng	97
6) Aniline	6.545	93	644899	55.207	ng	# 84
8) 2-Chlorophenol	6.669	128	601333	56.481	ng	99
9) Benzaldehyde	6.434	77	397310	49.367	ng	99
10) Phenol	6.528	94	810917	57.263	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	633964	59.083	ng	98
12) 1,3-Dichlorobenzene	6.822	146	668862	56.939	ng	99
13) 1,4-Dichlorobenzene	6.898	146	673261	56.523	ng	99
14) 1,2-Dichlorobenzene	7.051	146	616097	55.716	ng	98
15) Benzyl Alcohol	7.022	79	562583	58.150	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	855004	57.688	ng	93
17) 2-Methylphenol	7.134	107	515819	58.895	ng	98
18) Hexachloroethane	7.392	117	256957	58.354	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	459430	56.648	ng	99
20) 3+4-Methylphenols	7.286	107	608092	55.518	ng	99
22) Acetophenone	7.292	105	829586	56.891	ng	# 98
24) Nitrobenzene	7.469	77	740612	59.113	ng	99
25) Isophorone	7.704	82	1261423	59.147	ng	100
26) 2-Nitrophenol	7.781	139	339960	61.146	ng	99
27) 2,4-Dimethylphenol	7.810	122	426510	59.920	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	760029	58.119	ng	99
29) 2,4-Dichlorophenol	8.022	162	511715	58.170	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	566322	57.824	ng	100
31) Naphthalene	8.186	128	1796725	56.491	ng	99
32) Benzoic acid	7.957	122	425502	68.049	ng	97
33) 4-Chloroaniline	8.239	127	639243	57.793	ng	100
34) Hexachlorobutadiene	8.298	225	358172	57.398	ng	100
35) Caprolactam	8.622	113	178777	60.447	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	571401	58.614	ng	100
37) 2-Methylnaphthalene	8.875	142	1141963	55.995	ng	100
38) 1-Methylnaphthalene	8.975	142	1113216	55.742	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	542595	56.085	ng	100
41) Hexachlorocyclopentadiene	9.022	237	166455	67.012	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	369027	58.123	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140338.D
 Acq On : 13 Nov 2024 11:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 13 14:26:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	408838	58.897	ng	99
46) 1,1'-Biphenyl	9.339	154	1409617	55.384	ng	100
47) 2-Chloronaphthalene	9.363	162	1100798	56.777	ng	99
48) 2-Nitroaniline	9.457	65	384307	59.769	ng	96
49) Acenaphthylene	9.780	152	1628948	55.531	ng	99
50) Dimethylphthalate	9.639	163	1305952	57.269	ng	100
51) 2,6-Dinitrotoluene	9.704	165	303778	58.434	ng	99
52) Acenaphthene	9.951	154	1132725	57.171	ng	100
53) 3-Nitroaniline	9.875	138	313217	57.370	ng	100
54) 2,4-Dinitrophenol	9.980	184	178562	66.606	ng	99
55) Dibenzofuran	10.122	168	1538256	54.845	ng	99
56) 4-Nitrophenol	10.033	139	249200	62.577	ng	99
57) 2,4-Dinitrotoluene	10.110	165	401261	58.647	ng	96
58) Fluorene	10.469	166	1193733	53.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	317173	57.919	ng	99
60) Diethylphthalate	10.339	149	1308229	56.104	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	594806	54.376	ng	99
62) 4-Nitroaniline	10.492	138	328847	58.909	ng	100
63) Azobenzene	10.616	77	1305799	56.677	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	234662	66.702	ng	97
66) n-Nitrosodiphenylamine	10.580	169	1061092	56.163	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	369051	56.461	ng	97
68) Hexachlorobenzene	11.016	284	422038	57.387	ng	98
69) Atrazine	11.104	200	402831	70.474	ng	99
70) Pentachlorophenol	11.210	266	255229	64.427	ng	99
71) Phenanthrene	11.427	178	1669857	54.363	ng	99
72) Anthracene	11.480	178	1644863	54.639	ng	99
73) Carbazole	11.633	167	1635888	55.034	ng	99
74) Di-n-butylphthalate	11.963	149	2005925	56.225	ng	100
75) Fluoranthene	12.621	202	1830547	53.118	ng	99
77) Benzidine	12.739	184	963069	74.521	ng	99
78) Pyrene	12.851	202	1817826	63.115	ng	99
80) Butylbenzylphthalate	13.463	149	687900	62.173	ng	98
81) Benzo(a)anthracene	14.045	228	1306865	59.054	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	419937	59.701	ng	100
83) Chrysene	14.086	228	1134734	56.198	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	877334	59.407	ng	99
85) Di-n-octyl phthalate	14.674	149	1253939	60.287	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1357877	65.759	ng	100
88) Benzo(b)fluoranthene	15.133	252	1236880	56.564	ng	100
89) Benzo(k)fluoranthene	15.162	252	937366	52.473	ng	98
90) Benzo(a)pyrene	15.509	252	982982	57.887	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	1124071	65.856	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1149411	65.870	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140339.D
 Acq On : 13 Nov 2024 12:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:36:37 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Nov 13 13:11:08 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	160348	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	586224	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	324351	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	591968	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305715	20.000	ng	0.00
86) Perylene-d12	15.562	264	310894	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1324090	140.989	ng	0.00
7) Phenol-d6	6.522	99	1804257	141.801	ng	0.02
23) Nitrobenzene-d5	7.451	82	1661144	147.640	ng	0.01
42) 2,4,6-Tribromophenol	10.710	330	471699	146.244	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2675376	132.597	ng	0.00
79) Terphenyl-d14	12.992	244	2674139	151.833	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.651	88	307882	73.555	ng	100
3) Pyridine	3.422	79	735683	71.493	ng	99
4) n-Nitrosodimethylamine	3.398	42	402441	77.381	ng	99
6) Aniline	6.551	93	684015	61.797	ng	# 84
8) 2-Chlorophenol	6.675	128	709152	70.295	ng	99
10) Phenol	6.534	94	947993	70.649	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	756191	74.376	ng	99
12) 1,3-Dichlorobenzene	6.822	146	783204	70.364	ng	98
13) 1,4-Dichlorobenzene	6.898	146	783319	69.404	ng	99
14) 1,2-Dichlorobenzene	7.057	146	710399	67.802	ng	99
15) Benzyl Alcohol	7.028	79	654439	71.389	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	993408	70.738	ng	96
17) 2-Methylphenol	7.133	107	604396	72.829	ng	98
18) Hexachloroethane	7.392	117	300328	71.979	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	543998	70.790	ng	100
20) 3+4-Methylphenols	7.292	107	699451	67.394	ng	96
22) Acetophenone	7.298	105	963095	70.637	ng	99
24) Nitrobenzene	7.469	77	870976	74.350	ng	99
25) Isophorone	7.704	82	1487295	74.586	ng	100
26) 2-Nitrophenol	7.781	139	401982	77.328	ng	99
27) 2,4-Dimethylphenol	7.816	122	500708	75.234	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	887655	72.597	ng	100
29) 2,4-Dichlorophenol	8.022	162	597530	72.647	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	663478	72.454	ng	99
31) Naphthalene	8.186	128	2076967	69.842	ng	99
32) Benzoic acid	7.969	122	529009	90.483	ng	96
33) 4-Chloroaniline	8.245	127	729859	70.572	ng	99
34) Hexachlorobutadiene	8.298	225	417242	71.513	ng	100
35) Caprolactam	8.627	113	208353m	75.344	ng	
36) 4-Chloro-3-methylphenol	8.716	107	672162	73.742	ng	100
37) 2-Methylnaphthalene	8.875	142	1323889	69.428	ng	100
38) 1-Methylnaphthalene	8.975	142	1289276	69.046	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	629856	70.223	ng	100
41) Hexachlorocyclopentadiene	9.022	237	187869	81.579	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	442116	75.110	ng	99
44) 2,4,5-Trichlorophenol	9.198	196	468390	72.781	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140339.D
 Acq On : 13 Nov 2024 12:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:36:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	1613420	68.375	ng	99
47) 2-Chloronaphthalene	9.363	162	1259442	70.067	ng	98
48) 2-Nitroaniline	9.463	65	454975	76.323	ng	98
49) Acenaphthylene	9.780	152	1869941	68.758	ng	99
50) Dimethylphthalate	9.645	163	1532197	72.473	ng	100
51) 2,6-Dinitrotoluene	9.704	165	348019	72.207	ng	93
52) Acenaphthene	9.951	154	1305360	71.065	ng	99
53) 3-Nitroaniline	9.874	138	356185	70.369	ng	98
54) 2,4-Dinitrophenol	9.980	184	217511	87.514	ng	98
55) Dibenzofuran	10.127	168	1743431	67.047	ng	100
56) 4-Nitrophenol	10.033	139	291787	79.032	ng	96
57) 2,4-Dinitrotoluene	10.110	165	454770	71.693	ng	94
58) Fluorene	10.469	166	1382804	67.316	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	374293	73.723	ng	100
60) Diethylphthalate	10.339	149	1537607	71.126	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	685111	67.555	ng	99
62) 4-Nitroaniline	10.498	138	385246	74.437	ng	100
63) Azobenzene	10.621	77	1508804	70.637	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	274337	86.136	ng	99
66) n-Nitrosodiphenylamine	10.580	169	1237130	72.330	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	426112	72.010	ng	99
68) Hexachlorobenzene	11.016	284	491825	73.871	ng	99
69) Atrazine	11.110	200	495230	95.702	ng	99
70) Pentachlorophenol	11.210	266	308099	85.908	ng	99
71) Phenanthrene	11.433	178	1941678	69.825	ng	99
72) Anthracene	11.486	178	1901483	69.770	ng	100
73) Carbazole	11.639	167	1853513	68.878	ng	99
74) Di-n-butylphthalate	11.963	149	2283744	70.708	ng	100
75) Fluoranthene	12.621	202	2053832	65.832	ng	99
77) Benzidine	12.739	184	1147944	97.835	ng	99
78) Pyrene	12.851	202	2044224	78.173	ng	99
80) Butylbenzylphthalate	13.462	149	768354	76.487	ng	98
81) Benzo(a)anthracene	14.045	228	1461193	72.724	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	488462	76.486	ng	99
83) Chrysene	14.086	228	1343316	73.275	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	994724	74.186	ng	99
85) Di-n-octyl phthalate	14.668	149	1481946	78.474	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1638318	85.308	ng	99
88) Benzo(b)fluoranthene	15.127	252	1490709	73.300	ng	100
89) Benzo(k)fluoranthene	15.156	252	1103915	66.445	ng	98
90) Benzo(a)pyrene	15.504	252	1179142	74.662	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	1339293	84.367	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1392525	85.805	ng	99

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

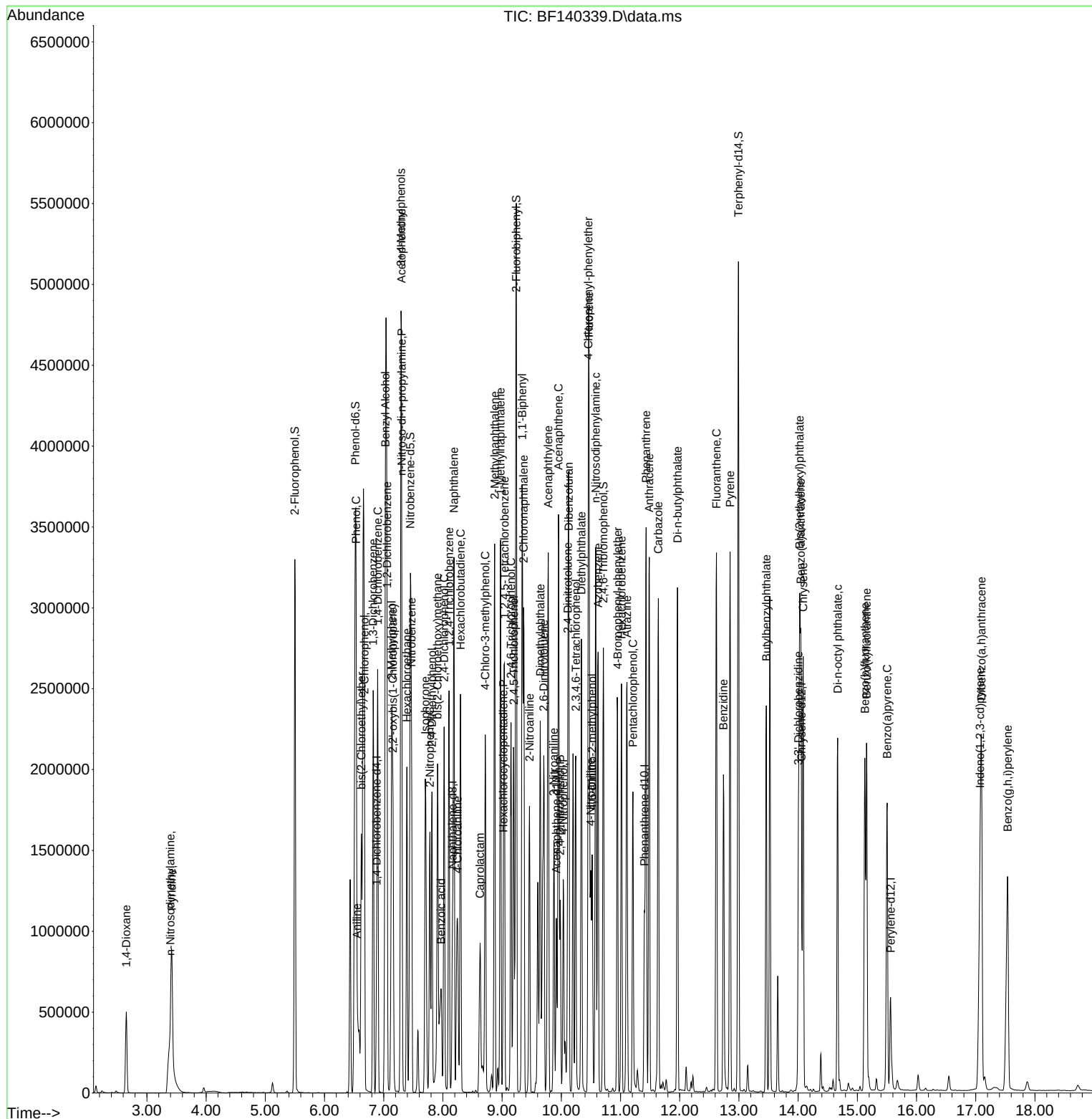
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 14:36:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140340.D
 Acq On : 13 Nov 2024 12:48
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147186	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	589077	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	334544	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	628587	20.000	ng	0.00
76) Chrysene-d12	14.063	240	385940	20.000	ng	0.01
86) Perylene-d12	15.580	264	322417	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	677089	78.544	ng	0.00
7) Phenol-d6	6.504	99	945074	80.918	ng	0.00
23) Nitrobenzene-d5	7.440	82	884247	78.210	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	257655	77.449	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568502	75.369	ng	0.00
79) Terphenyl-d14	12.986	244	1733989	77.987	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	151541	39.442	ng	99
3) Pyridine	3.399	79	387454	41.019	ng	99
4) n-Nitrosodimethylamine	3.352	42	193917	40.620	ng	97
6) Aniline	6.540	93	427252	42.052	ng	100
8) 2-Chlorophenol	6.663	128	371904	40.162	ng	100
9) Benzaldehyde	6.428	77	262348	37.479	ng	99
10) Phenol	6.516	94	507443	41.199	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	371673	39.825	ng	99
12) 1,3-Dichlorobenzene	6.816	146	404387	39.579	ng	99
13) 1,4-Dichlorobenzene	6.893	146	409423	39.520	ng	99
14) 1,2-Dichlorobenzene	7.051	146	380948	39.610	ng	100
15) Benzyl Alcohol	7.016	79	356418	42.357	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	534596	41.471	ng	99
17) 2-Methylphenol	7.128	107	313127	41.105	ng	99
18) Hexachloroethane	7.387	117	151355	39.519	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	288974	40.966	ng	98
20) 3+4-Methylphenols	7.281	107	397692	41.745	ng	96
22) Acetophenone	7.287	105	529699	38.662	ng	98
24) Nitrobenzene	7.457	77	462701	39.307	ng	99
25) Isophorone	7.698	82	793806	39.616	ng	99
26) 2-Nitrophenol	7.775	139	210859	40.366	ng	99
27) 2,4-Dimethylphenol	7.804	122	262308	39.222	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	479505	39.027	ng	100
29) 2,4-Dichlorophenol	8.016	162	323936	39.193	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	355366	38.619	ng	100
31) Naphthalene	8.181	128	1157149	38.723	ng	100
32) Benzoic acid	7.928	122	249383	42.449	ng	96
33) 4-Chloroaniline	8.228	127	400271	38.516	ng	100
34) Hexachlorobutadiene	8.292	225	227805	38.855	ng	99
35) Caprolactam	8.598	113	108216	38.943	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	364230	39.766	ng	99
37) 2-Methylnaphthalene	8.869	142	744201	38.839	ng	99
38) 1-Methylnaphthalene	8.969	142	736798	39.267	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	354978	38.371	ng	99
41) Hexachlorocyclopentadiene	9.022	237	93127	39.207	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	240824	39.666	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140340.D
 Acq On : 13 Nov 2024 12:48
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Quant Time: Nov 13 14:28:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 13:11:08 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	260135	39.190	ng	99
46) 1,1'-Biphenyl	9.334	154	939571	38.605	ng	99
47) 2-Chloronaphthalene	9.357	162	712904	38.453	ng	99
48) 2-Nitroaniline	9.457	65	243614	39.621	ng	99
49) Acenaphthylene	9.775	152	1094318	39.012	ng	100
50) Dimethylphthalate	9.634	163	843750	38.694	ng	100
51) 2,6-Dinitrotoluene	9.698	165	198967	40.024	ng	99
52) Acenaphthene	9.951	154	733408	38.711	ng	100
53) 3-Nitroaniline	9.869	138	207550	39.755	ng	100
54) 2,4-Dinitrophenol	9.975	184	98545	38.441	ng	98
55) Dibenzofuran	10.122	168	1042453	38.868	ng	100
56) 4-Nitrophenol	10.022	139	157938	41.475	ng	98
57) 2,4-Dinitrotoluene	10.104	165	258886	39.569	ng	98
58) Fluorene	10.463	166	804084	37.951	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	212533	40.586	ng	99
60) Diethylphthalate	10.334	149	861287	38.627	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	403914	38.614	ng	99
62) 4-Nitroaniline	10.481	138	213640	40.022	ng	100
63) Azobenzene	10.616	77	865008	39.263	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	136662	40.409	ng	98
66) n-Nitrosodiphenylamine	10.575	169	703286	38.723	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	243728	38.789	ng	100
68) Hexachlorobenzene	11.010	284	273839	38.734	ng	98
69) Atrazine	11.098	200	181993	33.121	ng	99
70) Pentachlorophenol	11.204	266	160120	42.046	ng	98
71) Phenanthrene	11.428	178	1135052	38.440	ng	100
72) Anthracene	11.481	178	1117453	38.613	ng	100
73) Carbazole	11.633	167	1101588	38.551	ng	100
74) Di-n-butylphthalate	11.957	149	1350065	39.365	ng	100
75) Fluoranthene	12.616	202	1279456	38.621	ng	100
77) Benzidine	12.739	184	504166	34.036	ng	99
78) Pyrene	12.845	202	1295809	39.252	ng	100
80) Butylbenzylphthalate	13.463	149	532219	41.968	ng	97
81) Benzo(a)anthracene	14.051	228	975194	38.447	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	310326	38.491	ng	99
83) Chrysene	14.086	228	901424	38.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	715490	42.269	ng	100
85) Di-n-octyl phthalate	14.680	149	995484	41.757	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	811059	40.723	ng	100
88) Benzo(b)fluoranthene	15.139	252	814405	38.614	ng	100
89) Benzo(k)fluoranthene	15.174	252	683609	39.676	ng	99
90) Benzo(a)pyrene	15.516	252	648346	39.585	ng	99
91) Dibenzo(a,h)anthracene	17.104	278	670243	40.712	ng	99
92) Benzo(g,h,i)perylene	17.545	276	685184	40.711	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140341.D
 Acq On : 13 Nov 2024 13:19
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF111324

Quant Time: Nov 13 14:41:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149980	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	587913	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	333123	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	631059	20.000	ng	0.00
76) Chrysene-d12	14.063	240	366437	20.000	ng	0.01
86) Perylene-d12	15.574	264	319261	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	684092	77.878	ng	0.00
7) Phenol-d6	6.504	99	943149	79.248	ng	0.00
23) Nitrobenzene-d5	7.440	82	885901	78.511	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	260432	78.617	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568824	75.707	ng	0.00
79) Terphenyl-d14	12.986	244	1705668	80.797	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	155026	39.597	ng	99
3) Pyridine	3.405	79	391304	40.655	ng	99
4) n-Nitrosodimethylamine	3.357	42	194133	39.908	ng	98
6) Aniline	6.540	93	429973	41.531	ng	99
8) 2-Chlorophenol	6.663	128	373546	39.588	ng	100
9) Benzaldehyde	6.428	77	266318	37.337	ng	99
10) Phenol	6.516	94	505284	40.259	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	374368	39.367	ng	99
12) 1,3-Dichlorobenzene	6.816	146	407569	39.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	410968	38.930	ng	100
14) 1,2-Dichlorobenzene	7.051	146	381749	38.953	ng	100
15) Benzyl Alcohol	7.016	79	356665	41.596	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	529417	40.304	ng	100
17) 2-Methylphenol	7.128	107	312261	40.228	ng	99
18) Hexachloroethane	7.387	117	152783	39.149	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	288082	40.079	ng	99
20) 3+4-Methylphenols	7.281	107	398279	41.028	ng	99
22) Acetophenone	7.287	105	530294	38.782	ng	99
24) Nitrobenzene	7.463	77	461518	39.284	ng	99
25) Isophorone	7.698	82	791096	39.558	ng	100
26) 2-Nitrophenol	7.775	139	212967	40.850	ng	100
27) 2,4-Dimethylphenol	7.804	122	270554	40.536	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	481393	39.258	ng	99
29) 2,4-Dichlorophenol	8.016	162	326198	39.545	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	356725	38.843	ng	99
31) Naphthalene	8.181	128	1159811	38.889	ng	100
32) Benzoic acid	7.928	122	250402	42.635	ng	97
33) 4-Chloroaniline	8.228	127	404464	38.996	ng	99
34) Hexachlorobutadiene	8.298	225	227054	38.804	ng	99
35) Caprolactam	8.598	113	110611	40.345	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	368906	40.356	ng	100
37) 2-Methylnaphthalene	8.869	142	747189	39.072	ng	100
38) 1-Methylnaphthalene	8.969	142	729079	38.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	356102	38.657	ng	100
41) Hexachlorocyclopentadiene	9.022	237	90509	38.267	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	240423	39.769	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140341.D
 Acq On : 13 Nov 2024 13:19
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF111324

Quant Time: Nov 13 14:41:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

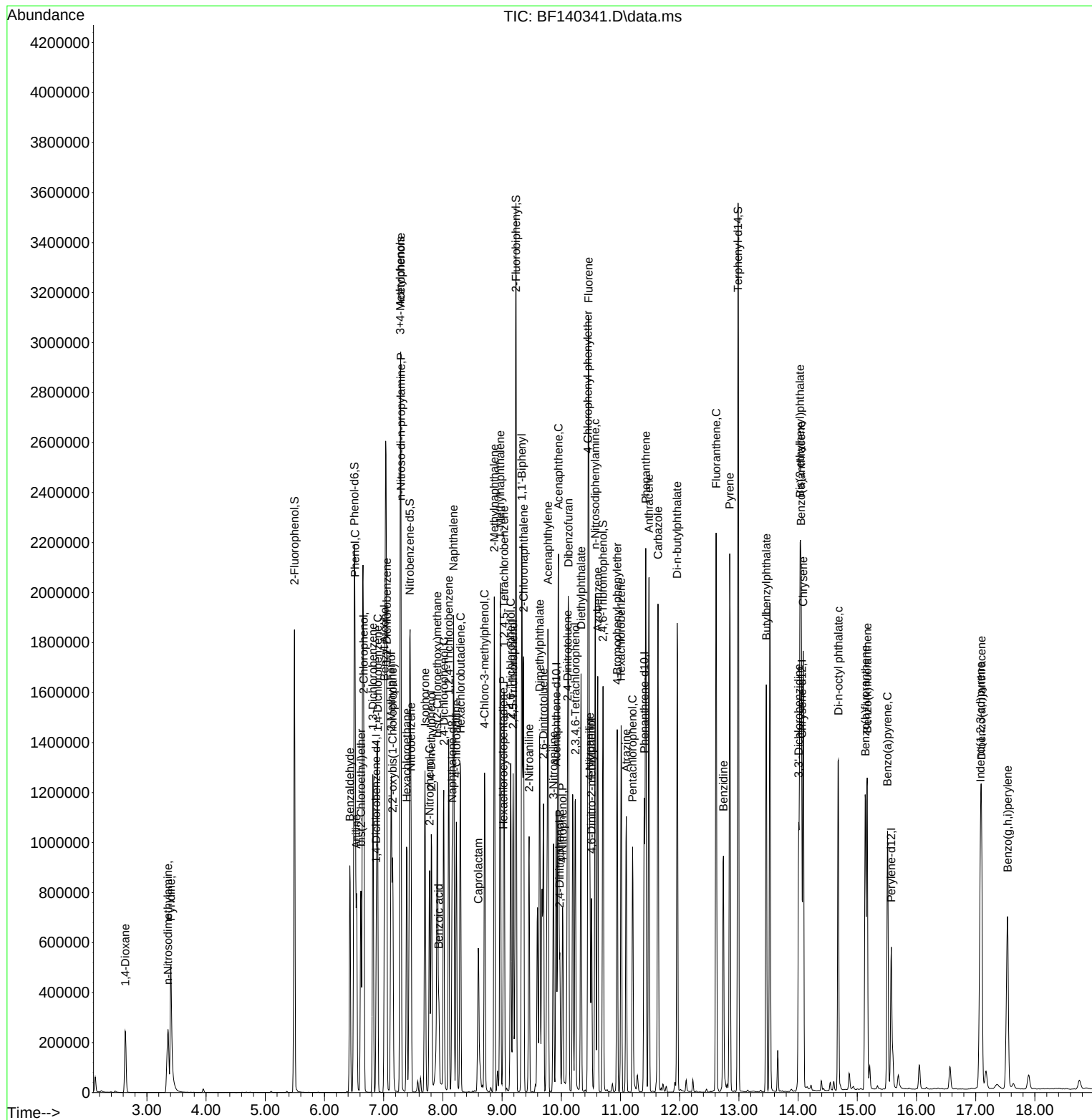
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	254749	38.542	ng	100
46) 1,1'-Biphenyl	9.334	154	946801	39.068	ng	99
47) 2-Chloronaphthalene	9.363	162	711544	38.543	ng	100
48) 2-Nitroaniline	9.457	65	243803	39.821	ng	99
49) Acenaphthylene	9.775	152	1088251	38.962	ng	100
50) Dimethylphthalate	9.634	163	845361	38.933	ng	99
51) 2,6-Dinitrotoluene	9.698	165	197768	39.952	ng	100
52) Acenaphthene	9.951	154	738443	39.143	ng	100
53) 3-Nitroaniline	9.869	138	206946	39.809	ng	99
54) 2,4-Dinitrophenol	9.975	184	102497	40.153	ng	99
55) Dibenzofuran	10.122	168	1049030	39.280	ng	99
56) 4-Nitrophenol	10.022	139	158431	41.782	ng	99
57) 2,4-Dinitrotoluene	10.104	165	262271	40.258	ng	100
58) Fluorene	10.463	166	811348	38.457	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	206672	39.601	ng	99
60) Diethylphthalate	10.333	149	864678	38.945	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	400645	38.465	ng	99
62) 4-Nitroaniline	10.481	138	210281	39.561	ng	99
63) Azobenzene	10.616	77	869821	39.649	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	139694	41.144	ng	100
66) n-Nitrosodiphenylamine	10.575	169	709758	38.926	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	246390	39.059	ng	99
68) Hexachlorobenzene	11.010	284	277113	39.043	ng	99
69) Atrazine	11.098	200	180055	32.640	ng	98
70) Pentachlorophenol	11.204	266	159402	41.693	ng	99
71) Phenanthrene	11.428	178	1127194	38.024	ng	99
72) Anthracene	11.480	178	1114551	38.362	ng	100
73) Carbazole	11.633	167	1109519	38.676	ng	100
74) Di-n-butylphthalate	11.957	149	1356287	39.391	ng	100
75) Fluoranthene	12.616	202	1270353	38.196	ng	99
77) Benzidine	12.739	184	546613	38.866	ng	99
78) Pyrene	12.845	202	1274659	40.667	ng	100
80) Butylbenzylphthalate	13.463	149	512452	42.560	ng	98
81) Benzo(a)anthracene	14.051	228	947117	39.327	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	304604	39.793	ng	99
83) Chrysene	14.086	228	869491	39.569	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	678437	42.213	ng	100
85) Di-n-octyl phthalate	14.680	149	915547	40.448	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	815903	41.371	ng	100
88) Benzo(b)fluoranthene	15.139	252	775920	37.153	ng	99
89) Benzo(k)fluoranthene	15.168	252	693105	40.625	ng	99
90) Benzo(a)pyrene	15.510	252	637970	39.337	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	682579	41.871	ng	100
92) Benzo(g,h,i)perylene	17.539	276	677222	40.635	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

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

	Compound	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	0.522	0.517	1.0	102	0.00
3	Pyridine	1.283	1.305	-1.7	101	0.00
4	n-Nitrosodimethylamine	0.649	0.647	0.3	100	0.00
5 S	2-Fluorophenol	1.171	1.140	2.6	101	0.00
6	Aniline	1.381	1.433	-3.8	101	0.00
7 S	Phenol-d6	1.587	1.572	0.9	100	0.00
8	2-Chlorophenol	1.258	1.245	1.0	100	0.00
9	Benzaldehyde	0.951	0.888	6.6	102	0.00
10 C	Phenol	1.674	1.685	-0.7	100	0.00
11	bis(2-Chloroethyl)ether	1.268	1.248	1.6	101	0.00
12	1,3-Dichlorobenzene	1.388	1.359	2.1	101	0.00
13 C	1,4-Dichlorobenzene	1.408	1.370	2.7	100	0.00
14	1,2-Dichlorobenzene	1.307	1.273	2.6	100	0.00
15	Benzyl Alcohol	1.143	1.189	-4.0	100	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.765	-0.7	99	0.00
17	2-Methylphenol	1.035	1.041	-0.6	100	0.00
18	Hexachloroethane	0.520	0.509	2.1	101	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.960	-0.1	100	0.00
20	3+4-Methylphenols	1.294	1.328	-2.6	100	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22	Acetophenone	0.465	0.451	3.0	100	0.00
23 S	Nitrobenzene-d5	0.384	0.377	1.8	100	0.00
24	Nitrobenzene	0.400	0.393	1.8	100	0.00
25	Isophorone	0.680	0.673	1.0	100	0.00
26 C	2-Nitrophenol	0.177	0.181	-2.3	101	0.00
27	2,4-Dimethylphenol	0.227	0.230	-1.3	103	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.409	1.9	100	0.00
29 C	2,4-Dichlorophenol	0.281	0.277	1.4	101	0.00
30	1,2,4-Trichlorobenzene	0.312	0.303	2.9	100	0.00
31	Naphthalene	1.015	0.986	2.9	100	0.00
32	Benzoic acid	0.200	0.213	-6.5	100	0.00
33	4-Chloroaniline	0.353	0.344	2.5	101	0.00
34 C	Hexachlorobutadiene	0.199	0.193	3.0	100	0.00
35	Caprolactam	0.093	0.094	-1.1	102	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.314	-1.0	101	0.00
37	2-Methylnaphthalene	0.651	0.635	2.5	100	0.00
38	1-Methylnaphthalene	0.637	0.620	2.7	99	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.534	3.4	100	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.136	4.2	97	0.00
42 S	2,4,6-Tribromophenol	0.199	0.195	2.0	101	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.361	0.6	100	0.00
44	2,4,5-Trichlorophenol	0.397	0.382	3.8	98	0.00
45 S	2-Fluorobiphenyl	1.244	1.177	5.4	100	0.00
46	1,1'-Biphenyl	1.455	1.421	2.3	101	0.00
47	2-Chloronaphthalene	1.108	1.068	3.6	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140341.D
 Acq On : 13 Nov 2024 13:19
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF111324

Quant Time: Nov 13 14:41:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 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	0.368	0.366	0.5	100	0.00
49	Acenaphthylene	1.677	1.633	2.6	99	0.00
50	Dimethylphthalate	1.304	1.269	2.7	100	0.00
51	2,6-Dinitrotoluene	0.297	0.297	0.0	99	0.00
52 C	Acenaphthene	1.133	1.108	2.2	101	0.00
53	3-Nitroaniline	0.312	0.311	0.3	100	0.00
54 P	2,4-Dinitrophenol	0.153	0.154	-0.7	104	0.00
55	Dibenzofuran	1.603	1.575	1.7	101	0.00
56 P	4-Nitrophenol	0.228	0.238	-4.4	100	0.00
57	2,4-Dinitrotoluene	0.391	0.394	-0.8	101	0.00
58	Fluorene	1.267	1.218	3.9	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.310	1.0	97	0.00
60	Diethylphthalate	1.333	1.298	2.6	100	0.00
61	4-Chlorophenyl-phenylether	0.625	0.601	3.8	99	0.00
62	4-Nitroaniline	0.319	0.316	0.9	98	0.00
63	Azobenzene	1.317	1.306	0.8	101	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.111	-2.8	102	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.562	2.8	101	0.00
67	4-Bromophenyl-phenylether	0.200	0.195	2.5	101	0.00
68	Hexachlorobenzene	0.225	0.220	2.2	101	0.00
69	Atrazine	0.175	0.143	18.3	99	0.00
70 C	Pentachlorophenol	0.121	0.126	-4.1	100	0.00
71	Phenanthrene	0.940	0.893	5.0	99	0.00
72	Anthracene	0.921	0.883	4.1	100	0.00
73	Carbazole	0.909	0.879	3.3	101	0.00
74	Di-n-butylphthalate	1.091	1.075	1.5	100	0.00
75 C	Fluoranthene	1.054	1.007	4.5	99	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	95	0.01
77	Benzidine	0.768	0.746	2.9	108	0.00
78	Pyrene	1.711	1.739	-1.6	98	0.00
79 S	Terphenyl-d14	1.152	1.164	-1.0	98	0.00
80	Butylbenzylphthalate	0.657	0.699	-6.4	96	0.00
81	Benzo(a)anthracene	1.314	1.292	1.7	97	0.01
82	3,3'-Dichlorobenzidine	0.418	0.416	0.5	98	0.01
83	Chrysene	1.199	1.186	1.1	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.877	0.926	-5.6	95	0.01
85 c	Di-n-octyl phthalate	1.235	1.249	-1.1	92	0.02
86 I	Perylene-d12	1.000	1.000	0.0	99	0.02
87	Indeno(1,2,3-cd)pyrene	1.235	1.278	-3.5	101	0.02
88	Benzo(b)fluoranthene	1.308	1.215	7.1	95	0.02
89	Benzo(k)fluoranthene	1.069	1.085	-1.5	101	0.02
90 C	Benzo(a)pyrene	1.016	0.999	1.7	98	0.02
91	Dibenzo(a,h)anthracene	1.021	1.069	-4.7	102	0.02
92	Benzo(g,h,i)perylene	1.044	1.061	-1.6	99	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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QLast Update : Wed Nov 13 14:40:06 2024
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

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

	Compound	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	39.597	1.0	102	0.00
3	Pyridine	40.000	40.655	-1.6	101	0.00
4	n-Nitrosodimethylamine	40.000	39.908	0.2	100	0.00
5 S	2-Fluorophenol	80.000	77.878	2.7	101	0.00
6	Aniline	40.000	41.531	-3.8	101	0.00
7 S	Phenol-d6	80.000	79.248	0.9	100	0.00
8	2-Chlorophenol	40.000	39.588	1.0	100	0.00
9	Benzaldehyde	40.000	37.337	6.7	102	0.00
10 C	Phenol	40.000	40.259	-0.6	100	0.00
11	bis(2-Chloroethyl)ether	40.000	39.367	1.6	101	0.00
12	1,3-Dichlorobenzene	40.000	39.148	2.1	101	0.00
13 C	1,4-Dichlorobenzene	40.000	38.930	2.7	100	0.00
14	1,2-Dichlorobenzene	40.000	38.953	2.6	100	0.00
15	Benzyl Alcohol	40.000	41.596	-4.0	100	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.304	-0.8	99	0.00
17	2-Methylphenol	40.000	40.228	-0.6	100	0.00
18	Hexachloroethane	40.000	39.149	2.1	101	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.079	-0.2	100	0.00
20	3+4-Methylphenols	40.000	41.028	-2.6	100	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22	Acetophenone	40.000	38.782	3.0	100	0.00
23 S	Nitrobenzene-d5	80.000	78.511	1.9	100	0.00
24	Nitrobenzene	40.000	39.284	1.8	100	0.00
25	Isophorone	40.000	39.558	1.1	100	0.00
26 C	2-Nitrophenol	40.000	40.850	-2.1	101	0.00
27	2,4-Dimethylphenol	40.000	40.536	-1.3	103	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.258	1.9	100	0.00
29 C	2,4-Dichlorophenol	40.000	39.545	1.1	101	0.00
30	1,2,4-Trichlorobenzene	40.000	38.843	2.9	100	0.00
31	Naphthalene	40.000	38.889	2.8	100	0.00
32	Benzoic acid	40.000	42.635	-6.6	100	0.00
33	4-Chloroaniline	40.000	38.996	2.5	101	0.00
34 C	Hexachlorobutadiene	40.000	38.804	3.0	100	0.00
35	Caprolactam	40.000	40.345	-0.9	102	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.356	-0.9	101	0.00
37	2-Methylnaphthalene	40.000	39.072	2.3	100	0.00
38	1-Methylnaphthalene	40.000	38.933	2.7	99	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.657	3.4	100	0.00
41 P	Hexachlorocyclopentadiene	40.000	38.267	4.3	97	0.00
42 S	2,4,6-Tribromophenol	80.000	78.617	1.7	101	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.769	0.6	100	0.00
44	2,4,5-Trichlorophenol	40.000	38.542	3.6	98	0.00
45 S	2-Fluorobiphenyl	80.000	75.707	5.4	100	0.00
46	1,1'-Biphenyl	40.000	39.068	2.3	101	0.00
47	2-Chloronaphthalene	40.000	38.543	3.6	100	0.00

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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)
48	2-Nitroaniline	40.000	39.821	0.4	100	0.00
49	Acenaphthylene	40.000	38.962	2.6	99	0.00
50	Dimethylphthalate	40.000	38.933	2.7	100	0.00
51	2,6-Dinitrotoluene	40.000	39.952	0.1	99	0.00
52 C	Acenaphthene	40.000	39.143	2.1	101	0.00
53	3-Nitroaniline	40.000	39.809	0.5	100	0.00
54 P	2,4-Dinitrophenol	40.000	40.153	-0.4	104	0.00
55	Dibenzofuran	40.000	39.280	1.8	101	0.00
56 P	4-Nitrophenol	40.000	41.782	-4.5	100	0.00
57	2,4-Dinitrotoluene	40.000	40.258	-0.6	101	0.00
58	Fluorene	40.000	38.457	3.9	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.601	1.0	97	0.00
60	Diethylphthalate	40.000	38.945	2.6	100	0.00
61	4-Chlorophenyl-phenylether	40.000	38.465	3.8	99	0.00
62	4-Nitroaniline	40.000	39.561	1.1	98	0.00
63	Azobenzene	40.000	39.649	0.9	101	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.144	-2.9	102	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.926	2.7	101	0.00
67	4-Bromophenyl-phenylether	40.000	39.059	2.4	101	0.00
68	Hexachlorobenzene	40.000	39.043	2.4	101	0.00
69	Atrazine	40.000	32.640	18.4	99	0.00
70 C	Pentachlorophenol	40.000	41.693	-4.2	100	0.00
71	Phenanthrene	40.000	38.024	4.9	99	0.00
72	Anthracene	40.000	38.362	4.1	100	0.00
73	Carbazole	40.000	38.676	3.3	101	0.00
74	Di-n-butylphthalate	40.000	39.391	1.5	100	0.00
75 C	Fluoranthene	40.000	38.196	4.5	99	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	95	0.01
77	Benzydine	40.000	38.866	2.8	108	0.00
78	Pyrene	40.000	40.667	-1.7	98	0.00
79 S	Terphenyl-d14	80.000	80.797	-1.0	98	0.00
80	Butylbenzylphthalate	40.000	42.560	-6.4	96	0.00
81	Benzo(a)anthracene	40.000	39.327	1.7	97	0.01
82	3,3'-Dichlorobenzidine	40.000	39.793	0.5	98	0.01
83	Chrysene	40.000	39.569	1.1	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.213	-5.5	95	0.01
85 c	Di-n-octyl phthalate	40.000	40.448	-1.1	92	0.02
86 I	Perylene-d12	20.000	20.000	0.0	99	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.371	-3.4	101	0.02
88	Benzo(b)fluoranthene	40.000	37.153	7.1	95	0.02
89	Benzo(k)fluoranthene	40.000	40.625	-1.6	101	0.02
90 C	Benzo(a)pyrene	40.000	39.337	1.7	98	0.02
91	Dibenzo(a,h)anthracene	40.000	41.871	-4.7	102	0.02
92	Benzo(g,h,i)perylene	40.000	40.635	-1.6	99	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140341.D
Acq On : 13 Nov 2024 13:19
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

Quant Time: Nov 13 14:41:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 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



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
2-Fluorophenol	1.131	1.156		2.2	
Benzaldehyde	0.759	0.657		-13.4	
Phenol-d6	1.551	1.606		3.5	
Phenol	1.688	1.758		4.1	20.0
bis(2-Chloroethyl)ether	1.397	1.613		15.5	
2-Chlorophenol	1.340	1.363		1.7	
2-Methylphenol	1.093	1.113		1.8	
2,2-oxybis(1-Chloropropane)	1.654	1.702		2.9	
Acetophenone	0.453	0.453		0.0	
3+4-Methylphenols	1.515	1.581		4.4	
n-Nitroso-di-n-propylamine	1.023	1.081	0.050	5.7	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.497		-0.6	
Nitrobenzene	0.329	0.344		4.6	
Isophorone	0.616	0.644		4.5	
2-Nitrophenol	0.175	0.181		3.4	20.0
2,4-Dimethylphenol	0.203	0.203		0.0	
bis(2-Chloroethoxy)methane	0.377	0.379		0.5	
2,4-Dichlorophenol	0.288	0.295		2.4	20.0
Naphthalene	1.010	1.009		-0.1	
4-Chloroaniline	0.355	0.376		5.9	
Hexachlorobutadiene	0.198	0.190		-4.0	20.0
Caprolactam	0.106	0.121		14.2	
4-Chloro-3-methylphenol	0.314	0.342		8.9	20.0
2-Methylnaphthalene	0.717	0.735		2.5	
Hexachlorocyclopentadiene	0.154	0.152	0.050	-1.3	
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	
1,1-Biphenyl	1.380	1.327		-3.8	
2-Chloronaphthalene	1.088	1.047		-3.8	
2-Nitroaniline	0.288	0.319		10.8	
Dimethylphthalate	1.424	1.446		1.5	
Acenaphthylene	1.622	1.637		0.9	
2,6-Dinitrotoluene	0.329	0.343		4.3	
3-Nitroaniline	0.319	0.354		11.0	
Acenaphthene	1.035	1.044		0.9	20.0
2,4-Dinitrophenol	0.193	0.221	0.050	14.5	
4-Nitrophenol	0.264	0.296	0.050	12.1	



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
Dibenzofuran	1.666	1.672		0.4	
2,4-Dinitrotoluene	0.462	0.497		7.6	
Diethylphthalate	1.502	1.558		3.7	
4-Chlorophenyl-phenylether	0.706	0.710		0.6	
Fluorene	1.391	1.437		3.3	
4-Nitroaniline	0.344	0.392		14.0	
4,6-Dinitro-2-methylphenol	0.119	0.132		10.9	
n-Nitrosodiphenylamine	0.531	0.536		0.9	20.0
2,4,6-Tribromophenol	0.376	0.380		1.1	
4-Bromophenyl-phenylether	0.221	0.214		-3.2	
Hexachlorobenzene	0.290	0.292		0.7	
Atrazine	0.157	0.168		7.0	
Pentachlorophenol	0.158	0.168		6.3	20.0
Phenanthrene	0.973	0.978		0.5	
Anthracene	0.961	0.978		1.8	
Carbazole	0.963	0.979		1.7	
Di-n-butylphthalate	1.190	1.202		1.0	
Fluoranthene	1.247	1.249		0.2	20.0
Pyrene	1.138	1.173		3.1	
Terphenyl-d14	0.904	0.945		4.5	
Butylbenzylphthalate	0.511	0.521		2.0	
3,3-Dichlorobenzidine	0.468	0.476		1.7	
Benzo (a) anthracene	1.188	1.217		2.4	
Chrysene	1.129	1.139		0.9	
Bis(2-ethylhexyl)phthalate	0.773	0.763		-1.3	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo (b) fluoranthene	1.097	1.076		-1.9	
Benzo (k) fluoranthene	0.996	1.042		4.6	
Benzo (a) pyrene	0.947	0.958		1.2	20.0
Indeno (1,2,3-cd) pyrene	1.374	1.383		0.7	
Dibenzo (a,h) anthracene	1.145	1.159		1.2	
Benzo (g,h,i) perylene	1.163	1.145		-1.5	
1,2,4,5-Tetrachlorobenzene	0.527	0.489		-7.2	
1,4-Dioxane	0.421	0.429		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.380		1.9	

All other compounds must meet a minimum RRF of 0.010.

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

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

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

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

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

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

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

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

Instrument :

BNA_E

ClientSampleId :

SSTDCCC040

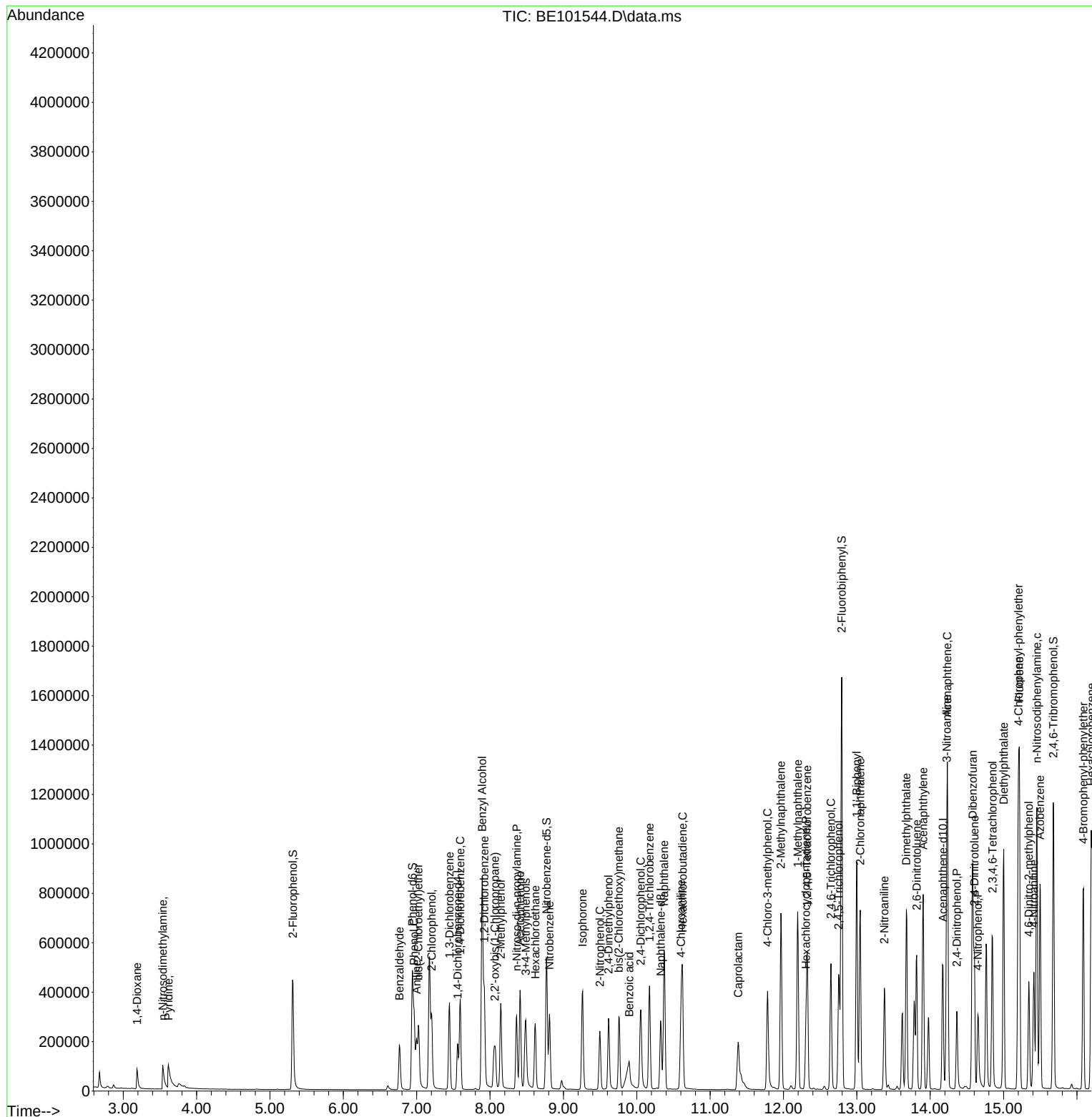
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

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



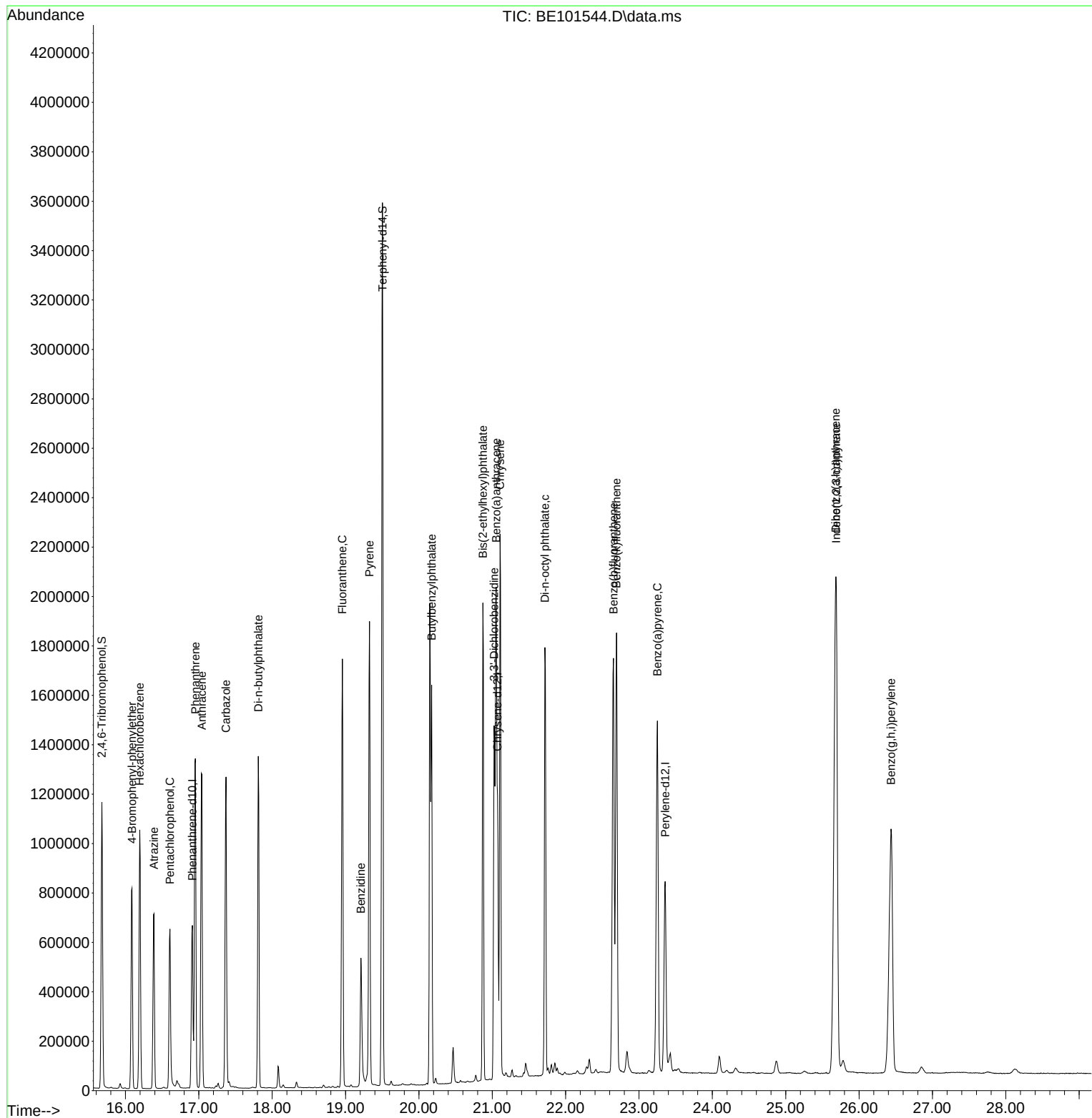
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101544.D
Acq On : 8 Nov 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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

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 : BE101544.D
 Acq On : 8 Nov 2024 10:07
 Operator : RC/JU
 Sample : SSTDCCC040
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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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
 Data File : BE101544.D
 Acq On : 8 Nov 2024 10:07
 Operator : RC/JU
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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

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	Benzydine	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

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



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: 11/07/2024 08:59

Lab File ID: BF140261.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
2-Fluorophenol	1.207	1.165		-3.5	
Benzaldehyde	0.956	0.810		-15.3	
Phenol-d6	1.552	1.463		-5.7	
Phenol	1.649	1.561		-5.3	20.0
bis(2-Chloroethyl)ether	1.252	1.210		-3.4	
2-Chlorophenol	1.263	1.231		-2.5	
2-Methylphenol	1.053	1.018		-3.3	
2,2-oxybis(1-Chloropropane)	2.027	1.887		-6.9	
Acetophenone	0.496	0.470		-5.2	
3+4-Methylphenols	1.323	1.261		-4.7	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.382		-5.0	
Hexachloroethane	0.556	0.541		-2.7	
Nitrobenzene	0.422	0.399		-5.4	
Isophorone	0.693	0.666		-3.9	
2-Nitrophenol	0.168	0.177		5.4	20.0
2,4-Dimethylphenol	0.228	0.227		-0.4	
bis(2-Chloroethoxy)methane	0.415	0.403		-2.9	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.033	0.994		-3.8	
4-Chloroaniline	0.340	0.337		-0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.089		3.5	
4-Chloro-3-methylphenol	0.315	0.313		-0.6	20.0
2-Methylnaphthalene	0.674	0.656		-2.7	
Hexachlorocyclopentadiene	0.164	0.179	0.050	9.1	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.253	1.179		-5.8	
2,4,5-Trichlorophenol	0.381	0.390		2.4	
1,1-Biphenyl	1.446	1.384		-4.3	
2-Chloronaphthalene	1.088	1.060		-2.6	
2-Nitroaniline	0.364	0.353		-3.0	
Dimethylphthalate	1.232	1.219		-1.1	
Acenaphthylene	1.540	1.494		-3.0	
2,6-Dinitrotoluene	0.290	0.293		1.0	
3-Nitroaniline	0.273	0.272		-0.4	
Acenaphthene	1.093	1.068		-2.3	20.0
2,4-Dinitrophenol	0.120	0.130	0.050	8.3	
4-Nitrophenol	0.192	0.199	0.050	3.6	



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: 11/07/2024 08:59

Lab File ID: BF140261.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
Dibenzofuran	1.528	1.498		-2.0	
2,4-Dinitrotoluene	0.376	0.389		3.5	
Diethylphthalate	1.224	1.230		0.5	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.168		-3.9	
4-Nitroaniline	0.271	0.275		1.5	
4,6-Dinitro-2-methylphenol	0.105	0.111		5.7	
n-Nitrosodiphenylamine	0.575	0.555		-3.5	20.0
2,4,6-Tribromophenol	0.198	0.209		5.6	
4-Bromophenyl-phenylether	0.215	0.217		0.9	
Hexachlorobenzene	0.245	0.246		0.4	
Atrazine	0.157	0.164		4.5	
Pentachlorophenol	0.132	0.145		9.8	20.0
Phenanthrene	0.954	0.929		-2.6	
Anthracene	0.936	0.894		-4.5	
Carbazole	0.855	0.830		-2.9	
Di-n-butylphthalate	1.012	1.017		0.5	
Fluoranthene	0.998	0.976		-2.2	20.0
Pyrene	1.651	1.654		0.2	
Terphenyl-d14	1.221	1.218		-0.2	
Butylbenzylphthalate	0.595	0.651		9.4	
3,3-Dichlorobenzidine	0.403	0.401		-0.5	
Benzo (a) anthracene	1.284	1.263		-1.6	
Chrysene	1.202	1.168		-2.8	
Bis(2-ethylhexyl)phthalate	0.833	0.864		3.7	
Di-n-octyl phthalate	1.254	1.310		4.5	20.0
Benzo (b) fluoranthene	1.210	1.159		-4.2	
Benzo (k) fluoranthene	1.110	1.122		1.1	
Benzo (a) pyrene	0.997	0.992		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.174	1.165		-0.8	
Dibenzo (a,h) anthracene	0.966	0.952		-1.4	
Benzo (g,h,i) perylene	0.985	0.966		-1.9	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.555	0.516		-7.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.327		4.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140261.D
 Acq On : 07 Nov 2024 08:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 07 11:25:45 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	194677	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	715714	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	419359	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	752975	20.000	ng	0.00
76) Chrysene-d12	14.069	240	445081	20.000	ng	0.00
86) Perylene-d12	15.574	264	403199	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	906997	77.209	ng	0.00
7) Phenol-d6	6.504	99	1138875	75.373	ng	0.00
23) Nitrobenzene-d5	7.445	82	1094171	76.008	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	350361	84.523	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1977554	75.300	ng	0.00
79) Terphenyl-d14	12.998	244	2168622	79.817	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.669	88	200882	37.195	ng	97
3) Pyridine	3.434	79	506092	38.404	ng	96
4) n-Nitrosodimethylamine	3.393	42	267891	35.210	ng	90
6) Aniline	6.545	93	534368	39.144	ng	98
8) 2-Chlorophenol	6.663	128	479333	38.998	ng	98
9) Benzaldehyde	6.428	77	315403	33.887	ng	97
10) Phenol	6.522	94	607766	37.873	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	471124	38.646	ng	97
12) 1,3-Dichlorobenzene	6.822	146	557420	38.700	ng	99
13) 1,4-Dichlorobenzene	6.898	146	561898	38.680	ng	99
14) 1,2-Dichlorobenzene	7.051	146	521160	38.411	ng	99
15) Benzyl Alcohol	7.016	79	452069	38.811	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	734865	37.241	ng	99
17) 2-Methylphenol	7.128	107	396285	38.649	ng	99
18) Hexachloroethane	7.392	117	210637	38.926	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	362395	37.595	ng	96
20) 3+4-Methylphenols	7.281	107	490947	38.125	ng	97
22) Acetophenone	7.287	105	672389	37.892	ng	97
24) Nitrobenzene	7.463	77	571335	37.824	ng	97
25) Isophorone	7.698	82	953132	38.453	ng	99
26) 2-Nitrophenol	7.775	139	252757	42.066	ng	97
27) 2,4-Dimethylphenol	7.810	122	325493	39.819	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	577412	38.927	ng	100
29) 2,4-Dichlorophenol	8.016	162	412164	40.758	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	480250	39.632	ng	99
31) Naphthalene	8.181	128	1422582	38.491	ng	100
32) Benzoic acid	7.922	122	288181	42.958	ng	97
33) 4-Chloroaniline	8.228	127	481974	39.613	ng	98
34) Hexachlorobutadiene	8.298	225	321442	39.190	ng	99
35) Caprolactam	8.610	113	127521	41.453	ng	93
36) 4-Chloro-3-methylphenol	8.704	107	447530	39.748	ng	98
37) 2-Methylnaphthalene	8.869	142	938464	38.907	ng	100
38) 1-Methylnaphthalene	8.969	142	914918	38.699	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	480933	39.174	ng	99
41) Hexachlorocyclopentadiene	9.022	237	150071	43.624	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	309855	40.729	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140261.D
 Acq On : 07 Nov 2024 08:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 07 11:25:45 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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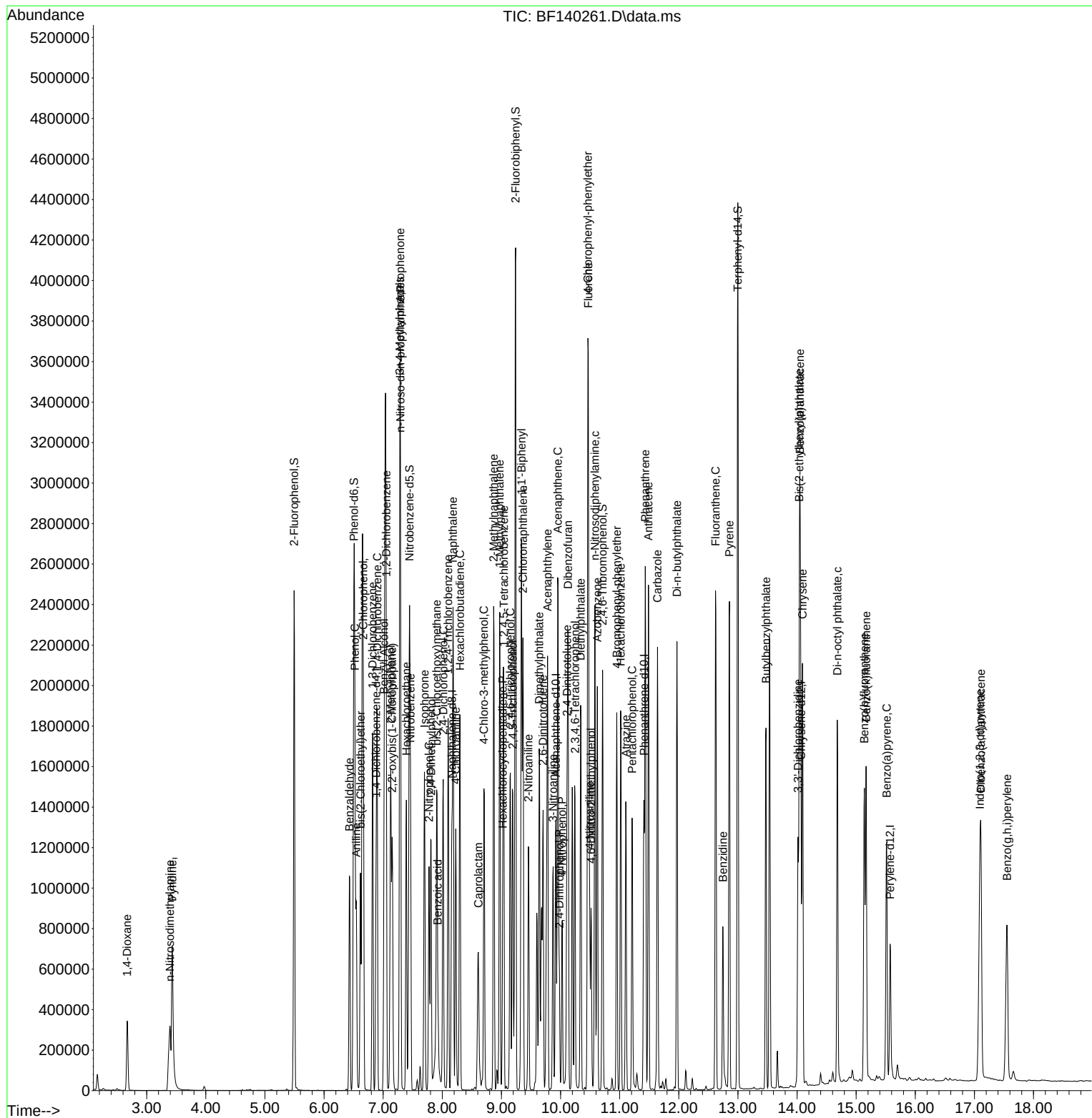
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	326707	40.843	ng	97
46) 1,1'-Biphenyl	9.339	154	1160423	38.283	ng	100
47) 2-Chloronaphthalene	9.363	162	888766	38.957	ng	99
48) 2-Nitroaniline	9.457	65	296007	38.797	ng	97
49) Acenaphthylene	9.781	152	1252730	38.784	ng	100
50) Dimethylphthalate	9.639	163	1022633	39.596	ng	100
51) 2,6-Dinitrotoluene	9.704	165	246161	40.548	ng	97
52) Acenaphthene	9.951	154	895958	39.108	ng	98
53) 3-Nitroaniline	9.875	138	228239	39.927	ng	98
54) 2,4-Dinitrophenol	9.981	184	109148	39.959	ng	87
55) Dibenzofuran	10.128	168	1256148	39.211	ng	99
56) 4-Nitrophenol	10.028	139	167108	41.576	ng	97
57) 2,4-Dinitrotoluene	10.110	165	325967	41.377	ng	94
58) Fluorene	10.469	166	979800	38.422	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	273869	41.794	ng	96
60) Diethylphthalate	10.339	149	1031656	40.197	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	503053	39.141	ng	97
62) 4-Nitroaniline	10.492	138	230595	40.593	ng	95
63) Azobenzene	10.622	77	1019197	38.308	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	167582	42.376	ng	98
66) n-Nitrosodiphenylamine	10.580	169	836051	38.604	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	326292	40.242	ng	99
68) Hexachlorobenzene	11.016	284	370542	40.092	ng	99
69) Atrazine	11.104	200	247507	41.773	ng	98
70) Pentachlorophenol	11.210	266	218148	43.956	ng	98
71) Phenanthrene	11.433	178	1398948	38.930	ng	100
72) Anthracene	11.486	178	1346619	38.217	ng	100
73) Carbazole	11.639	167	1249878	38.820	ng	100
74) Di-n-butylphthalate	11.969	149	1531243	40.178	ng	99
75) Fluoranthene	12.622	202	1469730	39.115	ng	100
77) Benzidine	12.745	184	451274	51.858	ng	99
78) Pyrene	12.857	202	1472157	40.060	ng	99
80) Butylbenzylphthalate	13.474	149	579719	43.809	ng	95
81) Benzo(a)anthracene	14.051	228	1124424	39.366	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	356844	39.783	ng	100
83) Chrysene	14.092	228	1039746	38.872	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	768735	41.449	ng	99
85) Di-n-octyl phthalate	14.680	149	1165904	41.766	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	939217	39.684	ng	100
88) Benzo(b)fluoranthene	15.139	252	934843	38.331	ng	99
89) Benzo(k)fluoranthene	15.168	252	904586	40.421	ng	99
90) Benzo(a)pyrene	15.515	252	799772	39.774	ng	99
91) Dibenzo(a,h)anthracene	17.109	278	768014	39.442	ng	100
92) Benzo(g,h,i)perylene	17.551	276	779089	39.222	ng	99

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\  
Data File : BF140261.D  
Acq On    : 07 Nov 2024  08:59  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 07 11:25:45 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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 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	97	0.00
2	1,4-Dioxane	0.555	0.516	7.0	91	0.00
3	Pyridine	1.354	1.300	4.0	94	0.00
4	n-Nitrosodimethylamine	0.782	0.688	12.0	85	0.00
5 S	2-Fluorophenol	1.207	1.165	3.5	97	0.00
6	Aniline	1.402	1.372	2.1	97	0.00
7 S	Phenol-d6	1.552	1.463	5.7	95	0.00
8	2-Chlorophenol	1.263	1.231	2.5	98	0.00
9	Benzaldehyde	0.956	0.810	15.3	83	0.00
10 C	Phenol	1.649	1.561	5.3	95	0.00
11	bis(2-Chloroethyl)ether	1.252	1.210	3.4	97	0.00
12	1,3-Dichlorobenzene	1.480	1.432	3.2	98	0.00
13 C	1,4-Dichlorobenzene	1.492	1.443	3.3	98	0.00
14	1,2-Dichlorobenzene	1.394	1.339	3.9	99	0.00
15	Benzyl Alcohol	1.197	1.161	3.0	95	0.00
16	2,2'-oxybis(1-Chloropropane	2.027	1.887	6.9	93	0.00
17	2-Methylphenol	1.053	1.018	3.3	96	0.00
18	Hexachloroethane	0.556	0.541	2.7	98	0.00
19 P	n-Nitroso-di-n-propylamine	0.990	0.931	6.0	95	0.00
20	3+4-Methylphenols	1.323	1.261	4.7	96	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22	Acetophenone	0.496	0.470	5.2	96	0.00
23 S	Nitrobenzene-d5	0.402	0.382	5.0	95	0.00
24	Nitrobenzene	0.422	0.399	5.5	93	0.00
25	Isophorone	0.693	0.666	3.9	96	0.00
26 C	2-Nitrophenol	0.168	0.177	-5.4	100	0.00
27	2,4-Dimethylphenol	0.228	0.227	0.4	98	0.00
28	bis(2-Chloroethoxy)methane	0.415	0.403	2.9	98	0.00
29 C	2,4-Dichlorophenol	0.283	0.288	-1.8	100	0.00
30	1,2,4-Trichlorobenzene	0.339	0.336	0.9	99	0.00
31	Naphthalene	1.033	0.994	3.8	97	0.00
32	Benzoic acid	0.187	0.201	-7.5	101	0.00
33	4-Chloroaniline	0.340	0.337	0.9	99	0.00
34 C	Hexachlorobutadiene	0.229	0.225	1.7	98	0.00
35	Caprolactam	0.086	0.089	-3.5	102	0.00
36 C	4-Chloro-3-methylphenol	0.315	0.313	0.6	97	0.00
37	2-Methylnaphthalene	0.674	0.656	2.7	99	0.00
38	1-Methylnaphthalene	0.661	0.639	3.3	98	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.573	2.2	101	0.00
41 P	Hexachlorocyclopentadiene	0.164	0.179	-9.1	97	0.00
42 S	2,4,6-Tribromophenol	0.198	0.209	-5.6	107	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.369	-1.7	101	0.00
44	2,4,5-Trichlorophenol	0.381	0.390	-2.4	103	0.00
45 S	2-Fluorobiphenyl	1.253	1.179	5.9	98	0.00
46	1,1'-Biphenyl	1.446	1.384	4.3	99	0.00
47	2-Chloronaphthalene	1.088	1.060	2.6	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140261.D
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 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 07 11:25:45 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	0.353	3.0	95	0.00
49	Acenaphthylene	1.540	1.494	3.0	99	0.00
50	Dimethylphthalate	1.232	1.219	1.1	101	0.00
51	2,6-Dinitrotoluene	0.290	0.293	-1.0	101	0.00
52 C	Acenaphthene	1.093	1.068	2.3	100	0.00
53	3-Nitroaniline	0.273	0.272	0.4	100	0.00
54 P	2,4-Dinitrophenol	0.120	0.130	-8.3	100	0.00
55	Dibenzofuran	1.528	1.498	2.0	101	0.00
56 P	4-Nitrophenol	0.192	0.199	-3.6	97	0.00
57	2,4-Dinitrotoluene	0.376	0.389	-3.5	103	0.00
58	Fluorene	1.216	1.168	3.9	100	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.327	-4.5	106	0.00
60	Diethylphthalate	1.224	1.230	-0.5	103	0.00
61	4-Chlorophenyl-phenylether	0.613	0.600	2.1	102	0.00
62	4-Nitroaniline	0.271	0.275	-1.5	101	0.00
63	Azobenzene	1.269	1.215	4.3	99	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	0.105	0.111	-5.7	103	0.00
66 c	n-Nitrosodiphenylamine	0.575	0.555	3.5	102	0.00
67	4-Bromophenyl-phenylether	0.215	0.217	-0.9	105	0.00
68	Hexachlorobenzene	0.245	0.246	-0.4	106	0.00
69	Atrazine	0.157	0.164	-4.5	107	0.00
70 C	Pentachlorophenol	0.132	0.145	-9.8	106	0.00
71	Phenanthrene	0.954	0.929	2.6	103	0.00
72	Anthracene	0.936	0.894	4.5	102	0.00
73	Carbazole	0.855	0.830	2.9	103	0.00
74	Di-n-butylphthalate	1.012	1.017	-0.5	106	0.00
75 C	Fluoranthene	0.998	0.976	2.2	104	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	99	0.00
77	Benzydine	0.391	0.507	-29.7#	103	0.00
78	Pyrene	1.651	1.654	-0.2	103	0.00
79 S	Terphenyl-d14	1.221	1.218	0.2	104	0.00
80	Butylbenzylphthalate	0.595	0.651	-9.4	108	0.00
81	Benzo(a)anthracene	1.284	1.263	1.6	102	0.00
82	3,3'-Dichlorobenzidine	0.403	0.401	0.5	95	0.00
83	Chrysene	1.202	1.168	2.8	100	0.00
84	Bis(2-ethylhexyl)phthalate	0.833	0.864	-3.7	105	0.00
85 c	Di-n-octyl phthalate	1.254	1.310	-4.5	103	0.00
86 I	Perylene-d12	1.000	1.000	0.0	95	0.01
87	Indeno(1,2,3-cd)pyrene	1.174	1.165	0.8	93	0.01
88	Benzo(b)fluoranthene	1.210	1.159	4.2	88	0.01
89	Benzo(k)fluoranthene	1.110	1.122	-1.1	104	0.01
90 C	Benzo(a)pyrene	0.997	0.992	0.5	95	0.01
91	Dibenzo(a,h)anthracene	0.966	0.952	1.4	92	0.01
92	Benzo(g,h,i)perylene	0.985	0.966	1.9	92	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
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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	97	0.00
2	1,4-Dioxane	40.000	37.195	7.0	91	0.00
3	Pyridine	40.000	38.404	4.0	94	0.00
4	n-Nitrosodimethylamine	40.000	35.210	12.0	85	0.00
5 S	2-Fluorophenol	80.000	77.209	3.5	97	0.00
6	Aniline	40.000	39.144	2.1	97	0.00
7 S	Phenol-d6	80.000	75.373	5.8	95	0.00
8	2-Chlorophenol	40.000	38.998	2.5	98	0.00
9	Benzaldehyde	40.000	33.887	15.3	83	0.00
10 C	Phenol	40.000	37.873	5.3	95	0.00
11	bis(2-Chloroethyl)ether	40.000	38.646	3.4	97	0.00
12	1,3-Dichlorobenzene	40.000	38.700	3.2	98	0.00
13 C	1,4-Dichlorobenzene	40.000	38.680	3.3	98	0.00
14	1,2-Dichlorobenzene	40.000	38.411	4.0	99	0.00
15	Benzyl Alcohol	40.000	38.811	3.0	95	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	37.241	6.9	93	0.00
17	2-Methylphenol	40.000	38.649	3.4	96	0.00
18	Hexachloroethane	40.000	38.926	2.7	98	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.595	6.0	95	0.00
20	3+4-Methylphenols	40.000	38.125	4.7	96	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22	Acetophenone	40.000	37.892	5.3	96	0.00
23 S	Nitrobenzene-d5	80.000	76.008	5.0	95	0.00
24	Nitrobenzene	40.000	37.824	5.4	93	0.00
25	Isophorone	40.000	38.453	3.9	96	0.00
26 C	2-Nitrophenol	40.000	42.066	-5.2	100	0.00
27	2,4-Dimethylphenol	40.000	39.819	0.5	98	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.927	2.7	98	0.00
29 C	2,4-Dichlorophenol	40.000	40.758	-1.9	100	0.00
30	1,2,4-Trichlorobenzene	40.000	39.632	0.9	99	0.00
31	Naphthalene	40.000	38.491	3.8	97	0.00
32	Benzoic acid	40.000	42.958	-7.4	101	0.00
33	4-Chloroaniline	40.000	39.613	1.0	99	0.00
34 C	Hexachlorobutadiene	40.000	39.190	2.0	98	0.00
35	Caprolactam	40.000	41.453	-3.6	102	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.748	0.6	97	0.00
37	2-Methylnaphthalene	40.000	38.907	2.7	99	0.00
38	1-Methylnaphthalene	40.000	38.699	3.3	98	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.174	2.1	101	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.624	-9.1	97	0.00
42 S	2,4,6-Tribromophenol	80.000	84.523	-5.7	107	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.729	-1.8	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.843	-2.1	103	0.00
45 S	2-Fluorobiphenyl	80.000	75.300	5.9	98	0.00
46	1,1'-Biphenyl	40.000	38.283	4.3	99	0.00
47	2-Chloronaphthalene	40.000	38.957	2.6	100	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140261.D
 Acq On : 07 Nov 2024 08:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 07 11:25:45 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	38.797	3.0	95	0.00
49	Acenaphthylene	40.000	38.784	3.0	99	0.00
50	Dimethylphthalate	40.000	39.596	1.0	101	0.00
51	2,6-Dinitrotoluene	40.000	40.548	-1.4	101	0.00
52 C	Acenaphthene	40.000	39.108	2.2	100	0.00
53	3-Nitroaniline	40.000	39.927	0.2	100	0.00
54 P	2,4-Dinitrophenol	40.000	39.959	0.1	100	0.00
55	Dibenzofuran	40.000	39.211	2.0	101	0.00
56 P	4-Nitrophenol	40.000	41.576	-3.9	97	0.00
57	2,4-Dinitrotoluene	40.000	41.377	-3.4	103	0.00
58	Fluorene	40.000	38.422	3.9	100	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.794	-4.5	106	0.00
60	Diethylphthalate	40.000	40.197	-0.5	103	0.00
61	4-Chlorophenyl-phenylether	40.000	39.141	2.1	102	0.00
62	4-Nitroaniline	40.000	40.593	-1.5	101	0.00
63	Azobenzene	40.000	38.308	4.2	99	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	101	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.376	-5.9	103	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.604	3.5	102	0.00
67	4-Bromophenyl-phenylether	40.000	40.242	-0.6	105	0.00
68	Hexachlorobenzene	40.000	40.092	-0.2	106	0.00
69	Atrazine	40.000	41.773	-4.4	107	0.00
70 C	Pentachlorophenol	40.000	43.956	-9.9	106	0.00
71	Phenanthrene	40.000	38.930	2.7	103	0.00
72	Anthracene	40.000	38.217	4.5	102	0.00
73	Carbazole	40.000	38.820	2.9	103	0.00
74	Di-n-butylphthalate	40.000	40.178	-0.4	106	0.00
75 C	Fluoranthene	40.000	39.115	2.2	104	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	99	0.00
77	Benzydine	40.000	51.858	-29.6#	103	0.00
78	Pyrene	40.000	40.060	-0.2	103	0.00
79 S	Terphenyl-d14	80.000	79.817	0.2	104	0.00
80	Butylbenzylphthalate	40.000	43.809	-9.5	108	0.00
81	Benzo(a)anthracene	40.000	39.366	1.6	102	0.00
82	3,3'-Dichlorobenzidine	40.000	39.783	0.5	95	0.00
83	Chrysene	40.000	38.872	2.8	100	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.449	-3.6	105	0.00
85 c	Di-n-octyl phthalate	40.000	41.766	-4.4	103	0.00
86 I	Perylene-d12	20.000	20.000	0.0	95	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.684	0.8	93	0.01
88	Benzo(b)fluoranthene	40.000	38.331	4.2	88	0.01
89	Benzo(k)fluoranthene	40.000	40.421	-1.1	104	0.01
90 C	Benzo(a)pyrene	40.000	39.774	0.6	95	0.01
91	Dibenzo(a,h)anthracene	40.000	39.442	1.4	92	0.01
92	Benzo(g,h,i)perylene	40.000	39.222	1.9	92	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140261.D
Acq On : 07 Nov 2024 08:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 07 11:25:45 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



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
2-Fluorophenol	1.207	1.151		-4.6	
Benzaldehyde	0.956	0.854		-10.7	
Phenol-d6	1.552	1.455		-6.3	
Phenol	1.649	1.581		-4.1	20.0
bis(2-Chloroethyl)ether	1.252	1.205		-3.8	
2-Chlorophenol	1.263	1.225		-3.0	
2-Methylphenol	1.053	1.025		-2.7	
2,2-oxybis(1-Chloropropane)	2.027	1.804		-11.0	
Acetophenone	0.496	0.461		-7.1	
3+4-Methylphenols	1.323	1.267		-4.2	
n-Nitroso-di-n-propylamine	0.990	0.931	0.050	-6.0	
Nitrobenzene-d5	0.402	0.378		-6.0	
Hexachloroethane	0.556	0.530		-4.7	
Nitrobenzene	0.422	0.398		-5.7	
Isophorone	0.693	0.668		-3.6	
2-Nitrophenol	0.168	0.176		4.8	20.0
2,4-Dimethylphenol	0.228	0.230		0.9	
bis(2-Chloroethoxy)methane	0.415	0.405		-2.4	
2,4-Dichlorophenol	0.283	0.285		0.7	20.0
Naphthalene	1.033	0.978		-5.3	
4-Chloroaniline	0.340	0.343		0.9	
Hexachlorobutadiene	0.229	0.225		-1.7	20.0
Caprolactam	0.086	0.095		10.5	
4-Chloro-3-methylphenol	0.315	0.322		2.2	20.0
2-Methylnaphthalene	0.674	0.666		-1.2	
Hexachlorocyclopentadiene	0.164	0.175	0.050	6.7	
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	
1,1-Biphenyl	1.446	1.339		-7.4	
2-Chloronaphthalene	1.088	1.015		-6.7	
2-Nitroaniline	0.364	0.344		-5.5	
Dimethylphthalate	1.232	1.215		-1.4	
Acenaphthylene	1.540	1.478		-4.0	
2,6-Dinitrotoluene	0.290	0.297		2.4	
3-Nitroaniline	0.273	0.281		2.9	
Acenaphthene	1.093	1.061		-2.9	20.0
2,4-Dinitrophenol	0.120	0.153	0.050	27.5	
4-Nitrophenol	0.192	0.219	0.050	14.1	



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
Dibenzofuran	1.528	1.462		-4.3	
2,4-Dinitrotoluene	0.376	0.395		5.1	
Diethylphthalate	1.224	1.226		0.2	
4-Chlorophenyl-phenylether	0.613	0.600		-2.1	
Fluorene	1.216	1.159		-4.7	
4-Nitroaniline	0.271	0.289		6.6	
4,6-Dinitro-2-methylphenol	0.105	0.122		16.2	
n-Nitrosodiphenylamine	0.575	0.536		-6.8	20.0
2,4,6-Tribromophenol	0.198	0.223		12.6	
4-Bromophenyl-phenylether	0.215	0.216		0.5	
Hexachlorobenzene	0.245	0.245		0.0	
Atrazine	0.157	0.167		6.4	
Pentachlorophenol	0.132	0.154		16.7	20.0
Phenanthrene	0.954	0.897		-6.0	
Anthracene	0.936	0.882		-5.8	
Carbazole	0.855	0.825		-3.5	
Di-n-butylphthalate	1.012	1.018		0.6	
Fluoranthene	0.998	0.986		-1.2	20.0
Pyrene	1.651	1.589		-3.8	
Terphenyl-d14	1.221	1.161		-4.9	
Butylbenzylphthalate	0.595	0.628		5.5	
3,3-Dichlorobenzidine	0.403	0.404		0.2	
Benzo (a) anthracene	1.284	1.258		-2.0	
Chrysene	1.202	1.131		-5.9	
Bis(2-ethylhexyl)phthalate	0.833	0.852		2.3	
Di-n-octyl phthalate	1.254	1.261		0.6	20.0
Benzo (b) fluoranthene	1.210	1.184		-2.1	
Benzo (k) fluoranthene	1.110	1.151		3.7	
Benzo (a) pyrene	0.997	0.994		-0.3	20.0
Indeno (1,2,3-cd) pyrene	1.174	1.140		-2.9	
Dibenzo (a,h) anthracene	0.966	0.930		-3.7	
Benzo (g,h,i) perylene	0.985	0.945		-4.1	
1,2,4,5-Tetrachlorobenzene	0.586	0.547		-6.7	
1,4-Dioxane	0.555	0.510		-8.1	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.333		6.4	

All other compounds must meet a minimum RRF of 0.010.

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

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

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

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

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/10/2024

Supervised By :mohammad ahmed 11/11/2024

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

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

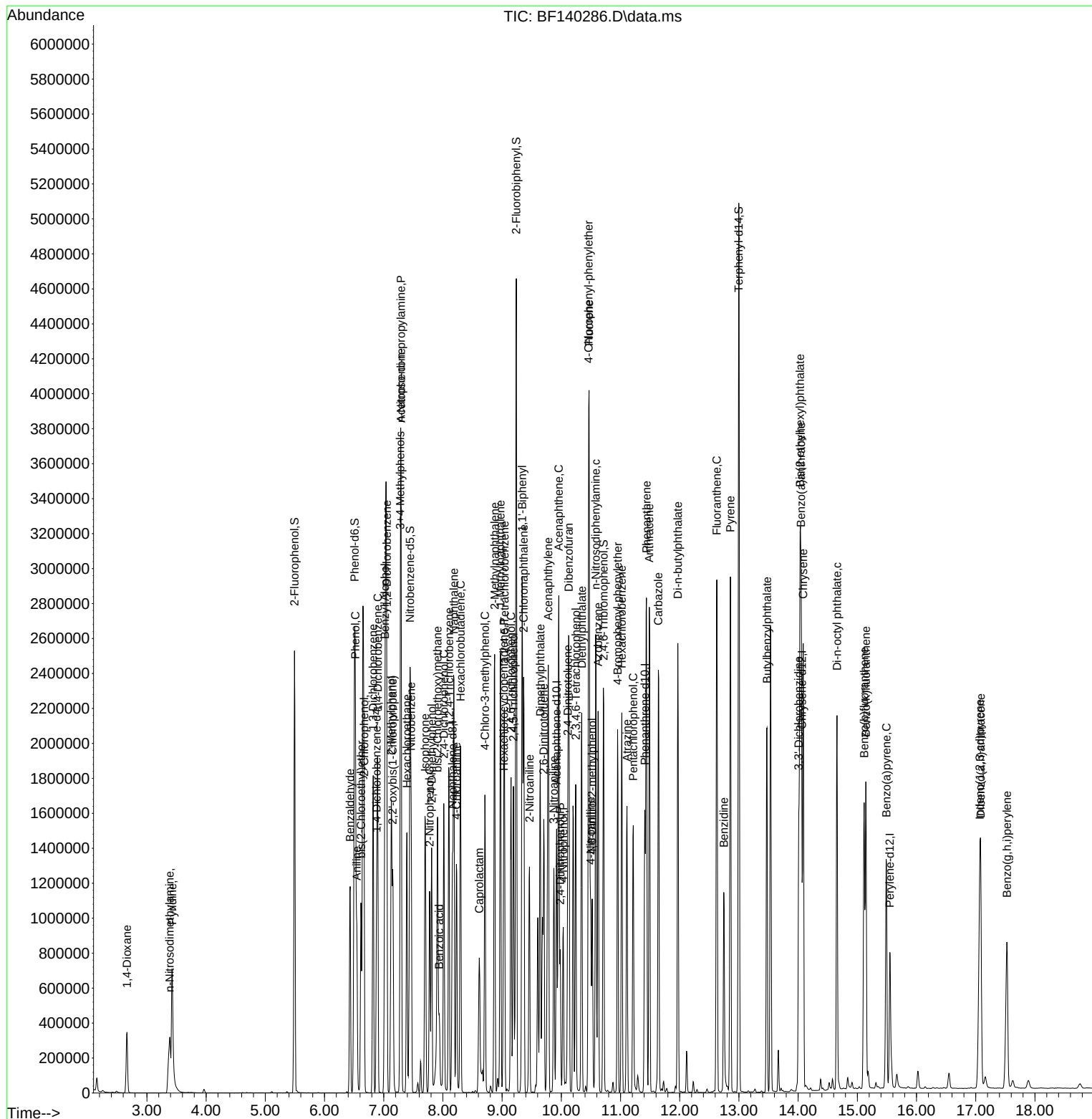
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\  
Data File : BF140286.D  
Acq On    : 08 Nov 2024  09:35  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

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

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



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)
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

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	Benzydine	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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140286.D
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	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	Benzydine	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

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



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: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.188		1.5	
Benzaldehyde	0.951	0.861		-9.5	
Phenol-d6	1.587	1.578		-0.6	
Phenol	1.674	1.678		0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.243		-2.0	
2-Chlorophenol	1.258	1.256		-0.2	
2-Methylphenol	1.035	1.033		-0.2	
2,2-oxybis(1-Chloropropane)	1.752	1.678		-4.2	
Acetophenone	0.465	0.463		-0.4	
3+4-Methylphenols	1.295	1.288		-0.5	
n-Nitroso-di-n-propylamine	0.959	0.909	0.050	-5.2	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.504		-3.1	
Nitrobenzene	0.400	0.401		0.3	
Isophorone	0.680	0.661		-2.8	
2-Nitrophenol	0.177	0.178		0.6	20.0
2,4-Dimethylphenol	0.227	0.227		0.0	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.281		0.0	20.0
Naphthalene	1.015	1.009		-0.6	
4-Chloroaniline	0.353	0.327		-7.4	
Hexachlorobutadiene	0.199	0.195		-2.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.133	0.050	-6.3	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.231		-1.0	
2,4,5-Trichlorophenol	0.397	0.409		3.0	
1,1-Biphenyl	1.455	1.467		0.8	
2-Chloronaphthalene	1.108	1.111		0.3	
2-Nitroaniline	0.368	0.374		1.6	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.672		-0.3	
2,6-Dinitrotoluene	0.297	0.303		2.0	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.135		0.2	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.236	0.050	3.5	



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: 11/14/2024 17:02

Lab File ID: BF140366.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.616		0.8	
2,4-Dinitrotoluene	0.391	0.397		1.5	
Diethylphthalate	1.333	1.281		-3.9	
4-Chlorophenyl-phenylether	0.625	0.604		-3.4	
Fluorene	1.267	1.256		-0.9	
4-Nitroaniline	0.319	0.328		2.8	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.569		-1.6	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.223		-0.9	
Atrazine	0.175	0.164		-6.3	
Pentachlorophenol	0.121	0.124		2.5	20.0
Phenanthrene	0.940	0.926		-1.5	
Anthracene	0.921	0.905		-1.7	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.021		-6.4	
Fluoranthene	1.054	1.029		-2.4	20.0
Pyrene	1.711	1.783		4.2	
Terphenyl-d14	1.152	1.148		-0.3	
Butylbenzylphthalate	0.657	0.642		-2.3	
3,3-Dichlorobenzidine	0.418	0.409		-2.2	
Benzo (a) anthracene	1.314	1.308		-0.5	
Chrysene	1.199	1.156		-3.6	
Bis(2-ethylhexyl)phthalate	0.877	0.791		-9.8	
Di-n-octyl phthalate	1.235	1.083		-12.3	20.0
Benzo (b) fluoranthene	1.308	1.240		-5.2	
Benzo (k) fluoranthene	1.069	1.043		-2.4	
Benzo (a) pyrene	1.016	1.000		-1.6	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.295		4.9	
Dibenzo (a,h) anthracene	1.021	1.058		3.6	
Benzo (g,h,i) perylene	1.044	1.108		6.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.555		0.4	
1,4-Dioxane	0.522	0.547		4.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.320		2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130579	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	484942	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	265027	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	494420	20.000	ng	0.00
76) Chrysene-d12	14.062	240	287889	20.000	ng	0.01
86) Perylene-d12	15.592	264	258896	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	620529	81.137	ng	0.00
7) Phenol-d6	6.504	99	824375	79.560	ng	0.00
23) Nitrobenzene-d5	7.439	82	740018	79.508	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	211524	80.260	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1304500	79.126	ng	0.00
79) Terphenyl-d14	12.986	244	1322468	79.737	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.634	88	142931	41.932	ng	99
3) Pyridine	3.398	79	341136	40.709	ng	99
4) n-Nitrosodimethylamine	3.351	42	170660	40.295	ng	98
6) Aniline	6.539	93	366954	40.711	ng	97
8) 2-Chlorophenol	6.663	128	328140	39.943	ng	97
9) Benzaldehyde	6.428	77	224764	36.193	ng	99
10) Phenol	6.516	94	438278	40.109	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	324570	39.201	ng	99
12) 1,3-Dichlorobenzene	6.816	146	361421	39.873	ng	99
13) 1,4-Dichlorobenzene	6.892	146	362191	39.407	ng	99
14) 1,2-Dichlorobenzene	7.045	146	341302	40.001	ng	99
15) Benzyl Alcohol	7.016	79	300203	40.213	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	438212	38.318	ng	98
17) 2-Methylphenol	7.122	107	269885	39.935	ng	99
18) Hexachloroethane	7.386	117	131631	38.740	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	237407	37.936	ng	99
20) 3+4-Methylphenols	7.275	107	336358	39.798	ng	99
22) Acetophenone	7.281	105	448649	39.778	ng	99
24) Nitrobenzene	7.457	77	388560	40.097	ng	100
25) Isophorone	7.692	82	641082	38.864	ng	100
26) 2-Nitrophenol	7.769	139	172692	40.158	ng	97
27) 2,4-Dimethylphenol	7.804	122	220557	40.061	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	391929	38.749	ng	99
29) 2,4-Dichlorophenol	8.010	162	272161	40.000	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	302881	39.983	ng	99
31) Naphthalene	8.175	128	978565	39.779	ng	100
32) Benzoic acid	7.916	122	192803	39.799	ng	96
33) 4-Chloroaniline	8.228	127	317418	37.102	ng	100
34) Hexachlorobutadiene	8.292	225	189276	39.216	ng	99
35) Caprolactam	8.592	113	90934	40.211	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	301671	40.008	ng	99
37) 2-Methylnaphthalene	8.869	142	623118	39.503	ng	99
38) 1-Methylnaphthalene	8.969	142	604506	39.135	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	294261	40.151	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70659	37.550	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	194970	40.537	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	216613	41.193	ng	97
46) 1,1'-Biphenyl	9.333	154	777694	40.335	ng	99
47) 2-Chloronaphthalene	9.357	162	588883	40.095	ng	99
48) 2-Nitroaniline	9.451	65	198227	40.696	ng	97
49) Acenaphthylene	9.774	152	886051	39.873	ng	100
50) Dimethylphthalate	9.633	163	674463	39.043	ng	99
51) 2,6-Dinitrotoluene	9.692	165	160354	40.717	ng	100
52) Acenaphthene	9.945	154	601473	40.074	ng	99
53) 3-Nitroaniline	9.863	138	165761	40.079	ng	98
54) 2,4-Dinitrophenol	9.969	184	81371	40.067	ng	96
55) Dibenzofuran	10.116	168	856528	40.313	ng	99
56) 4-Nitrophenol	10.022	139	125006	41.437	ng	98
57) 2,4-Dinitrotoluene	10.098	165	210411	40.596	ng	99
58) Fluorene	10.457	166	665609	39.655	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	169520	40.828	ng	99
60) Diethylphthalate	10.327	149	679063	38.443	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	320353	38.659	ng	98
62) 4-Nitroaniline	10.474	138	173894	41.121	ng	99
63) Azobenzene	10.610	77	673115	38.567	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	112316	42.223	ng	94
66) n-Nitrosodiphenylamine	10.569	169	562191	39.354	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	191092	38.665	ng	99
68) Hexachlorobenzene	11.010	284	220472	39.648	ng	97
69) Atrazine	11.092	200	161785	37.433	ng	99
70) Pentachlorophenol	11.204	266	122784	40.991	ng	99
71) Phenanthrene	11.421	178	915871	39.434	ng	99
72) Anthracene	11.474	178	895201	39.328	ng	100
73) Carbazole	11.627	167	901743	40.121	ng	100
74) Di-n-butylphthalate	11.957	149	1010052	37.443	ng	100
75) Fluoranthene	12.610	202	1017901	39.064	ng	100
77) Benzidine	12.733	184	391088	35.395	ng	100
78) Pyrene	12.845	202	1026765	41.696	ng	100
80) Butylbenzylphthalate	13.463	149	369549	39.065	ng	96
81) Benzo(a)anthracene	14.051	228	753390	39.818	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	235242	39.116	ng	99
83) Chrysene	14.092	228	665505	38.550	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	455726	36.092	ng	99
85) Di-n-octyl phthalate	14.692	149	623845	35.080	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	670383	41.918	ng	100
88) Benzo(b)fluoranthene	15.151	252	642101	37.914	ng	100
89) Benzo(k)fluoranthene	15.180	252	540295	39.052	ng	99
90) Benzo(a)pyrene	15.527	252	517840	39.374	ng	100
91) Dibenzo(a,h)anthracene	17.115	278	547666	41.429	ng	99
92) Benzo(g,h,i)perylene	17.550	276	573582	42.441	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 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	89	0.00
2	1,4-Dioxane	0.522	0.547	-4.8	94	0.00
3	Pyridine	1.283	1.306	-1.8	88	0.00
4	n-Nitrosodimethylamine	0.649	0.653	-0.6	88	0.00
5 S	2-Fluorophenol	1.171	1.188	-1.5	92	0.00
6	Aniline	1.381	1.405	-1.7	86	0.00
7 S	Phenol-d6	1.587	1.578	0.6	87	0.00
8	2-Chlorophenol	1.258	1.256	0.2	88	0.00
9	Benzaldehyde	0.951	0.861	9.5	86	0.00
10 C	Phenol	1.674	1.678	-0.2	86	0.00
11	bis(2-Chloroethyl)ether	1.268	1.243	2.0	87	0.00
12	1,3-Dichlorobenzene	1.388	1.384	0.3	89	0.00
13 C	1,4-Dichlorobenzene	1.408	1.387	1.5	88	0.00
14	1,2-Dichlorobenzene	1.307	1.307	0.0	90	0.00
15	Benzyl Alcohol	1.143	1.150	-0.6	84	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.678	4.2	82	0.00
17	2-Methylphenol	1.035	1.033	0.2	86	0.00
18	Hexachloroethane	0.520	0.504	3.1	87	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.909	5.2	82	0.00
20	3+4-Methylphenols	1.294	1.288	0.5	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22	Acetophenone	0.465	0.463	0.4	85	0.00
23 S	Nitrobenzene-d5	0.384	0.381	0.8	84	0.00
24	Nitrobenzene	0.400	0.401	-0.3	84	0.00
25	Isophorone	0.680	0.661	2.8	81	0.00
26 C	2-Nitrophenol	0.177	0.178	-0.6	82	0.00
27	2,4-Dimethylphenol	0.227	0.227	0.0	84	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.404	3.1	82	0.00
29 C	2,4-Dichlorophenol	0.281	0.281	0.0	84	0.00
30	1,2,4-Trichlorobenzene	0.312	0.312	0.0	85	0.00
31	Naphthalene	1.015	1.009	0.6	85	0.00
32	Benzoic acid	0.200	0.199	0.5	77	-0.01
33	4-Chloroaniline	0.353	0.327	7.4	79	0.00
34 C	Hexachlorobutadiene	0.199	0.195	2.0	83	0.00
35	Caprolactam	0.093	0.094	-1.1	84	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.311	0.0	83	0.00
37	2-Methylnaphthalene	0.651	0.642	1.4	84	0.00
38	1-Methylnaphthalene	0.637	0.623	2.2	82	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.555	-0.4	83	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.133	6.3	76	0.00
42 S	2,4,6-Tribromophenol	0.199	0.200	-0.5	82	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.368	-1.4	81	0.00
44	2,4,5-Trichlorophenol	0.397	0.409	-3.0	83	0.00
45 S	2-Fluorobiphenyl	1.244	1.231	1.0	83	0.00
46	1,1'-Biphenyl	1.455	1.467	-0.8	83	0.00
47	2-Chloronaphthalene	1.108	1.111	-0.3	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 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	0.368	0.374	-1.6	81	0.00
49	Acenaphthylene	1.677	1.672	0.3	81	0.00
50	Dimethylphthalate	1.304	1.272	2.5	80	0.00
51	2,6-Dinitrotoluene	0.297	0.303	-2.0	81	0.00
52 C	Acenaphthene	1.133	1.135	-0.2	82	0.00
53	3-Nitroaniline	0.312	0.313	-0.3	80	0.00
54 P	2,4-Dinitrophenol	0.153	0.154	-0.7	83	0.00
55	Dibenzofuran	1.603	1.616	-0.8	82	0.00
56 P	4-Nitrophenol	0.228	0.236	-3.5	79	0.00
57	2,4-Dinitrotoluene	0.391	0.397	-1.5	81	0.00
58	Fluorene	1.267	1.256	0.9	83	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.320	-2.2	80	0.00
60	Diethylphthalate	1.333	1.281	3.9	79	0.00
61	4-Chlorophenyl-phenylether	0.625	0.604	3.4	79	0.00
62	4-Nitroaniline	0.319	0.328	-2.8	81	0.00
63	Azobenzene	1.317	1.270	3.6	78	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.114	-5.6	82	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.569	1.6	80	0.00
67	4-Bromophenyl-phenylether	0.200	0.193	3.5	78	0.00
68	Hexachlorobenzene	0.225	0.223	0.9	81	0.00
69	Atrazine	0.175	0.164	6.3	89	0.00
70 C	Pentachlorophenol	0.121	0.124	-2.5	77	0.00
71	Phenanthrene	0.940	0.926	1.5	81	0.00
72	Anthracene	0.921	0.905	1.7	80	0.00
73	Carbazole	0.909	0.912	-0.3	82	0.00
74	Di-n-butylphthalate	1.091	1.021	6.4	75	0.00
75 C	Fluoranthene	1.054	1.029	2.4	80	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	75	0.01
77	Benzydine	0.768	0.679	11.6	78	0.00
78	Pyrene	1.711	1.783	-4.2	79	0.00
79 S	Terphenyl-d14	1.152	1.148	0.3	76	0.00
80	Butylbenzylphthalate	0.657	0.642	2.3	69	0.00
81	Benzo(a)anthracene	1.314	1.308	0.5	77	0.01
82	3,3'-Dichlorobenzidine	0.418	0.409	2.2	76	0.02
83	Chrysene	1.199	1.156	3.6	74	0.01
84	Bis(2-ethylhexyl)phthalate	0.877	0.791	9.8	64	0.02
85 c	Di-n-octyl phthalate	1.235	1.083	12.3	63	0.03
86 I	Perylene-d12	1.000	1.000	0.0	80	0.04
87	Indeno(1,2,3-cd)pyrene	1.235	1.295	-4.9	83	0.04
88	Benzo(b)fluoranthene	1.308	1.240	5.2	79	0.04
89	Benzo(k)fluoranthene	1.069	1.043	2.4	79	0.03
90 C	Benzo(a)pyrene	1.016	1.000	1.6	80	0.04
91	Dibenzo(a,h)anthracene	1.021	1.058	-3.6	82	0.04
92	Benzo(g,h,i)perylene	1.044	1.108	-6.1	84	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140366.D
Acq On : 14 Nov 2024 17:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 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	89	0.00
2	1,4-Dioxane	40.000	41.932	-4.8	94	0.00
3	Pyridine	40.000	40.709	-1.8	88	0.00
4	n-Nitrosodimethylamine	40.000	40.295	-0.7	88	0.00
5 S	2-Fluorophenol	80.000	81.137	-1.4	92	0.00
6	Aniline	40.000	40.711	-1.8	86	0.00
7 S	Phenol-d6	80.000	79.560	0.5	87	0.00
8	2-Chlorophenol	40.000	39.943	0.1	88	0.00
9	Benzaldehyde	40.000	36.193	9.5	86	0.00
10 C	Phenol	40.000	40.109	-0.3	86	0.00
11	bis(2-Chloroethyl)ether	40.000	39.201	2.0	87	0.00
12	1,3-Dichlorobenzene	40.000	39.873	0.3	89	0.00
13 C	1,4-Dichlorobenzene	40.000	39.407	1.5	88	0.00
14	1,2-Dichlorobenzene	40.000	40.001	-0.0	90	0.00
15	Benzyl Alcohol	40.000	40.213	-0.5	84	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.318	4.2	82	0.00
17	2-Methylphenol	40.000	39.935	0.2	86	0.00
18	Hexachloroethane	40.000	38.740	3.1	87	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.936	5.2	82	0.00
20	3+4-Methylphenols	40.000	39.798	0.5	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22	Acetophenone	40.000	39.778	0.6	85	0.00
23 S	Nitrobenzene-d5	80.000	79.508	0.6	84	0.00
24	Nitrobenzene	40.000	40.097	-0.2	84	0.00
25	Isophorone	40.000	38.864	2.8	81	0.00
26 C	2-Nitrophenol	40.000	40.158	-0.4	82	0.00
27	2,4-Dimethylphenol	40.000	40.061	-0.2	84	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.749	3.1	82	0.00
29 C	2,4-Dichlorophenol	40.000	40.000	0.0	84	0.00
30	1,2,4-Trichlorobenzene	40.000	39.983	0.0	85	0.00
31	Naphthalene	40.000	39.779	0.6	85	0.00
32	Benzoic acid	40.000	39.799	0.5	77	-0.01
33	4-Chloroaniline	40.000	37.102	7.2	79	0.00
34 C	Hexachlorobutadiene	40.000	39.216	2.0	83	0.00
35	Caprolactam	40.000	40.211	-0.5	84	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.008	-0.0	83	0.00
37	2-Methylnaphthalene	40.000	39.503	1.2	84	0.00
38	1-Methylnaphthalene	40.000	39.135	2.2	82	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.151	-0.4	83	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.550	6.1	76	0.00
42 S	2,4,6-Tribromophenol	80.000	80.260	-0.3	82	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.537	-1.3	81	0.00
44	2,4,5-Trichlorophenol	40.000	41.193	-3.0	83	0.00
45 S	2-Fluorobiphenyl	80.000	79.126	1.1	83	0.00
46	1,1'-Biphenyl	40.000	40.335	-0.8	83	0.00
47	2-Chloronaphthalene	40.000	40.095	-0.2	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140366.D
 Acq On : 14 Nov 2024 17:02
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 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	40.696	-1.7	81	0.00
49	Acenaphthylene	40.000	39.873	0.3	81	0.00
50	Dimethylphthalate	40.000	39.043	2.4	80	0.00
51	2,6-Dinitrotoluene	40.000	40.717	-1.8	81	0.00
52 C	Acenaphthene	40.000	40.074	-0.2	82	0.00
53	3-Nitroaniline	40.000	40.079	-0.2	80	0.00
54 P	2,4-Dinitrophenol	40.000	40.067	-0.2	83	0.00
55	Dibenzofuran	40.000	40.313	-0.8	82	0.00
56 P	4-Nitrophenol	40.000	41.437	-3.6	79	0.00
57	2,4-Dinitrotoluene	40.000	40.596	-1.5	81	0.00
58	Fluorene	40.000	39.655	0.9	83	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.828	-2.1	80	0.00
60	Diethylphthalate	40.000	38.443	3.9	79	0.00
61	4-Chlorophenyl-phenylether	40.000	38.659	3.4	79	0.00
62	4-Nitroaniline	40.000	41.121	-2.8	81	0.00
63	Azobenzene	40.000	38.567	3.6	78	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	79	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.223	-5.6	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.354	1.6	80	0.00
67	4-Bromophenyl-phenylether	40.000	38.665	3.3	78	0.00
68	Hexachlorobenzene	40.000	39.648	0.9	81	0.00
69	Atrazine	40.000	37.433	6.4	89	0.00
70 C	Pentachlorophenol	40.000	40.991	-2.5	77	0.00
71	Phenanthrene	40.000	39.434	1.4	81	0.00
72	Anthracene	40.000	39.328	1.7	80	0.00
73	Carbazole	40.000	40.121	-0.3	82	0.00
74	Di-n-butylphthalate	40.000	37.443	6.4	75	0.00
75 C	Fluoranthene	40.000	39.064	2.3	80	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	75	0.01
77	Benzydine	40.000	35.395	11.5	78	0.00
78	Pyrene	40.000	41.696	-4.2	79	0.00
79 S	Terphenyl-d14	80.000	79.737	0.3	76	0.00
80	Butylbenzylphthalate	40.000	39.065	2.3	69	0.00
81	Benzo(a)anthracene	40.000	39.818	0.5	77	0.01
82	3,3'-Dichlorobenzidine	40.000	39.116	2.2	76	0.02
83	Chrysene	40.000	38.550	3.6	74	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	36.092	9.8	64	0.02
85 c	Di-n-octyl phthalate	40.000	35.080	12.3	63	0.03
86 I	Perylene-d12	20.000	20.000	0.0	80	0.04
87	Indeno(1,2,3-cd)pyrene	40.000	41.918	-4.8	83	0.04
88	Benzo(b)fluoranthene	40.000	37.914	5.2	79	0.04
89	Benzo(k)fluoranthene	40.000	39.052	2.4	79	0.03
90 C	Benzo(a)pyrene	40.000	39.374	1.6	80	0.04
91	Dibenzo(a,h)anthracene	40.000	41.429	-3.6	82	0.04
92	Benzo(g,h,i)perylene	40.000	42.441	-6.1	84	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140366.D
Acq On : 14 Nov 2024 17:02
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 00:26:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 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



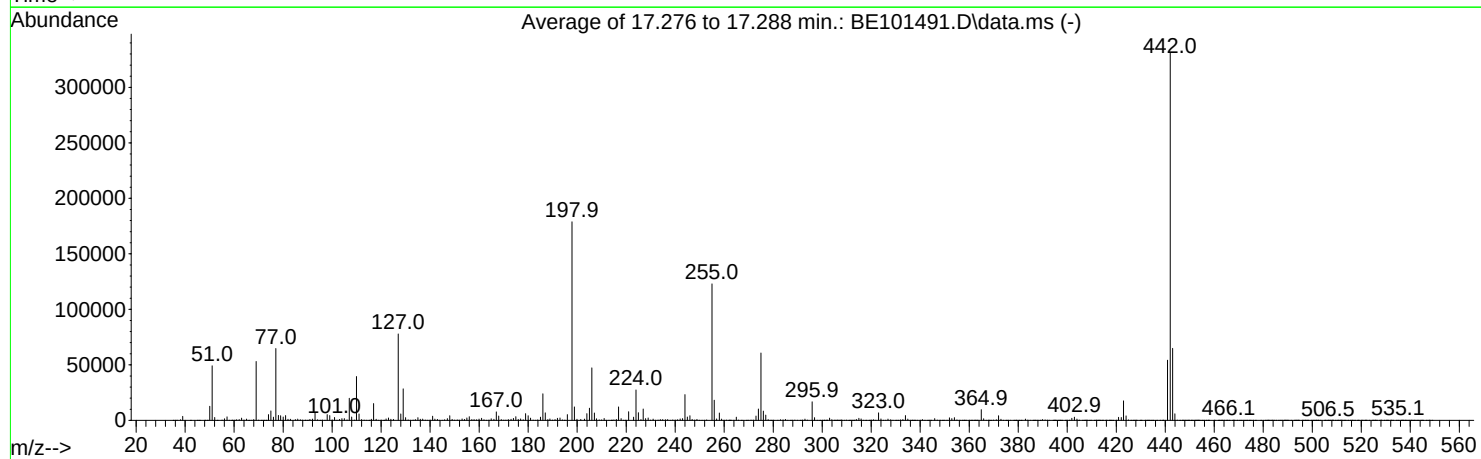
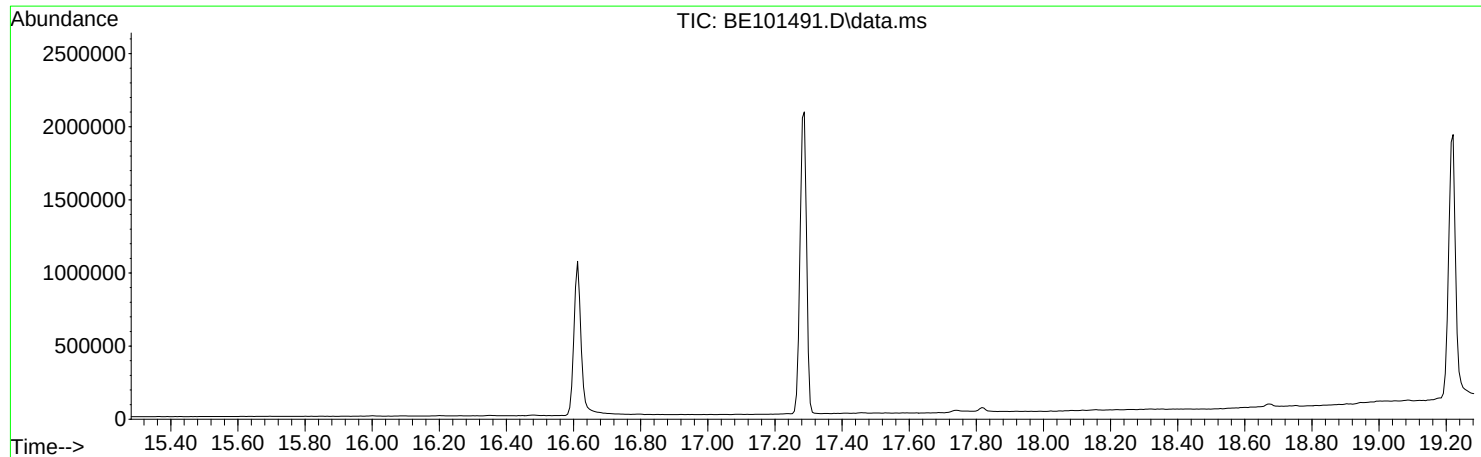
QC SAMPLE DATA

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



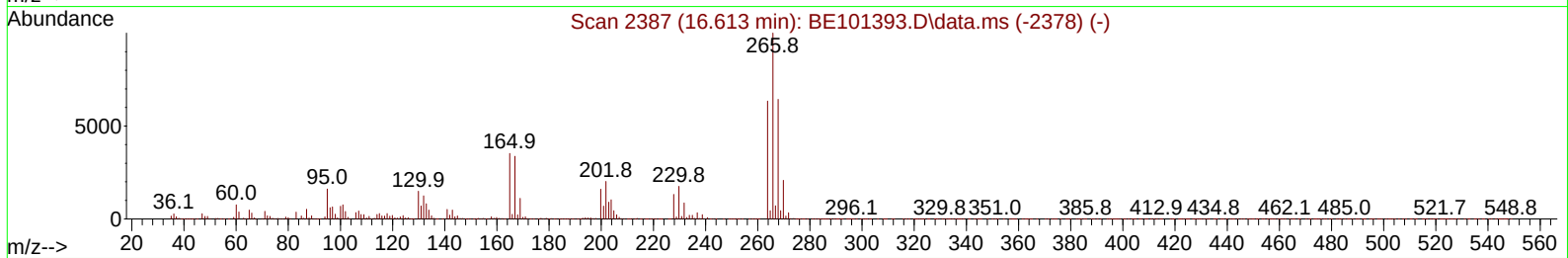
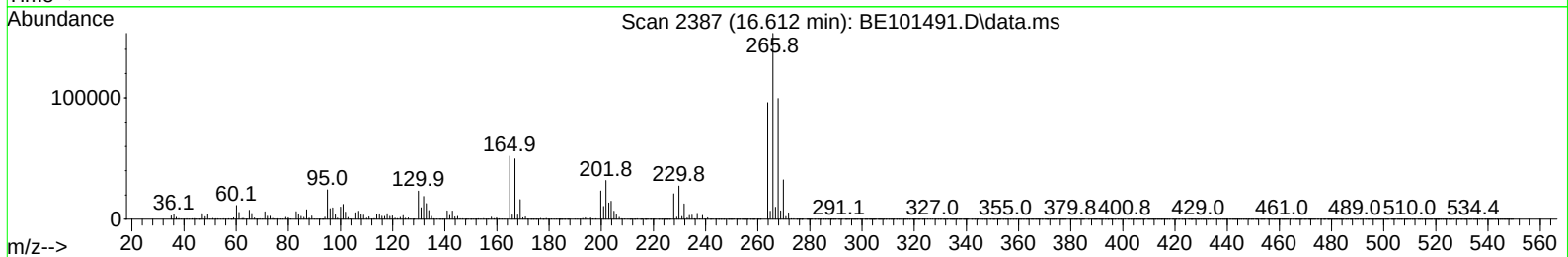
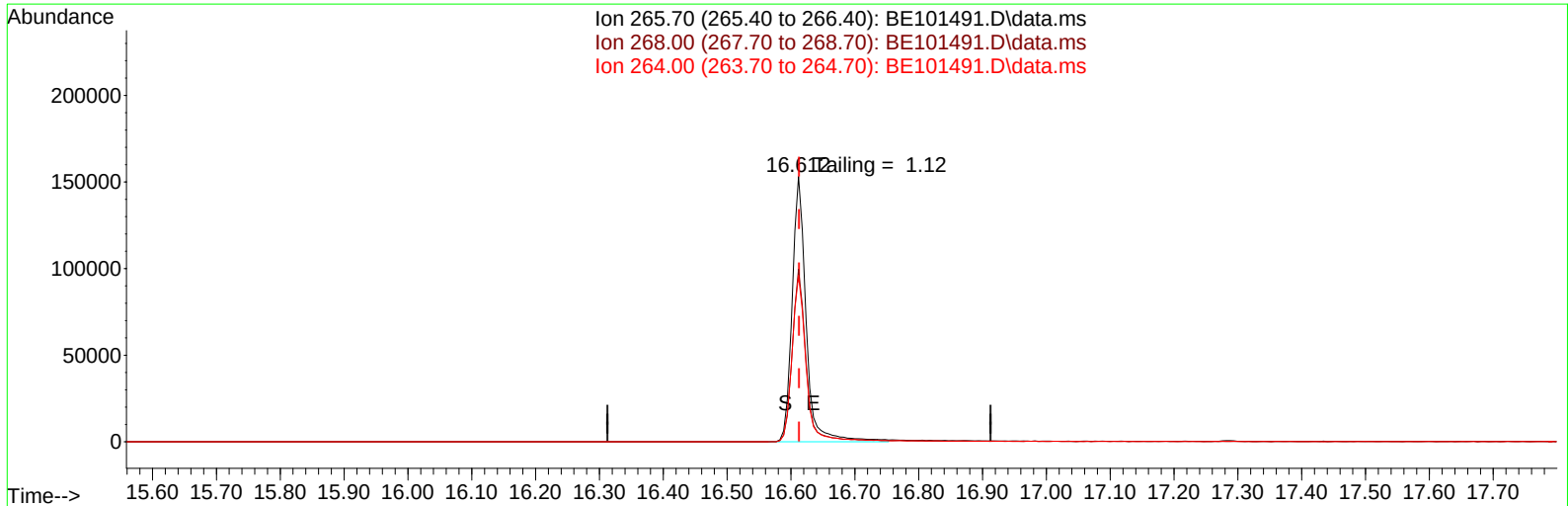
AutoFind: Scans 2500, 2501, 2502; Background Corrected with Scan 2492

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

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

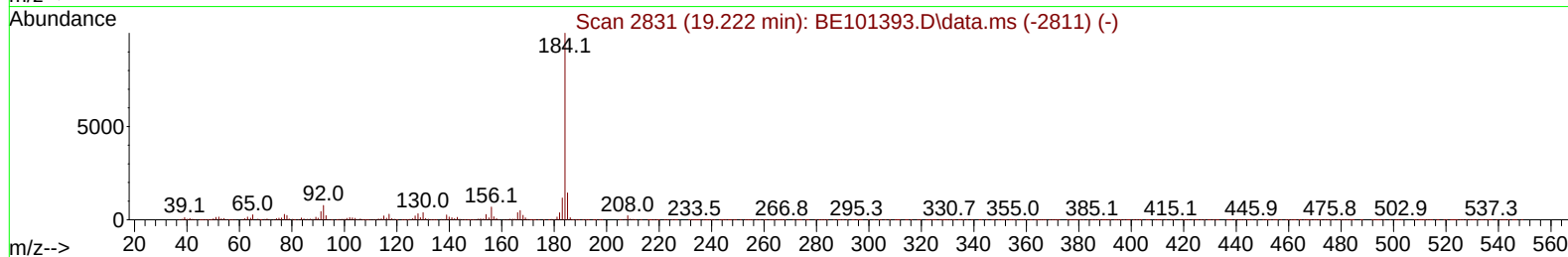
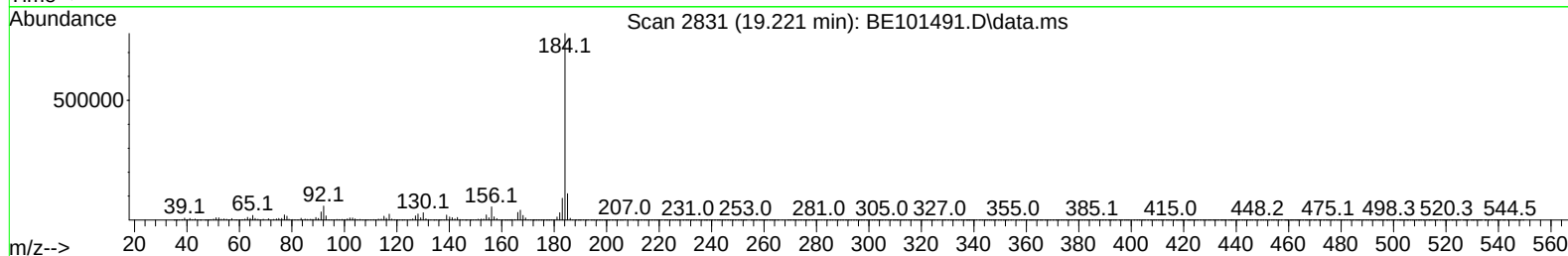
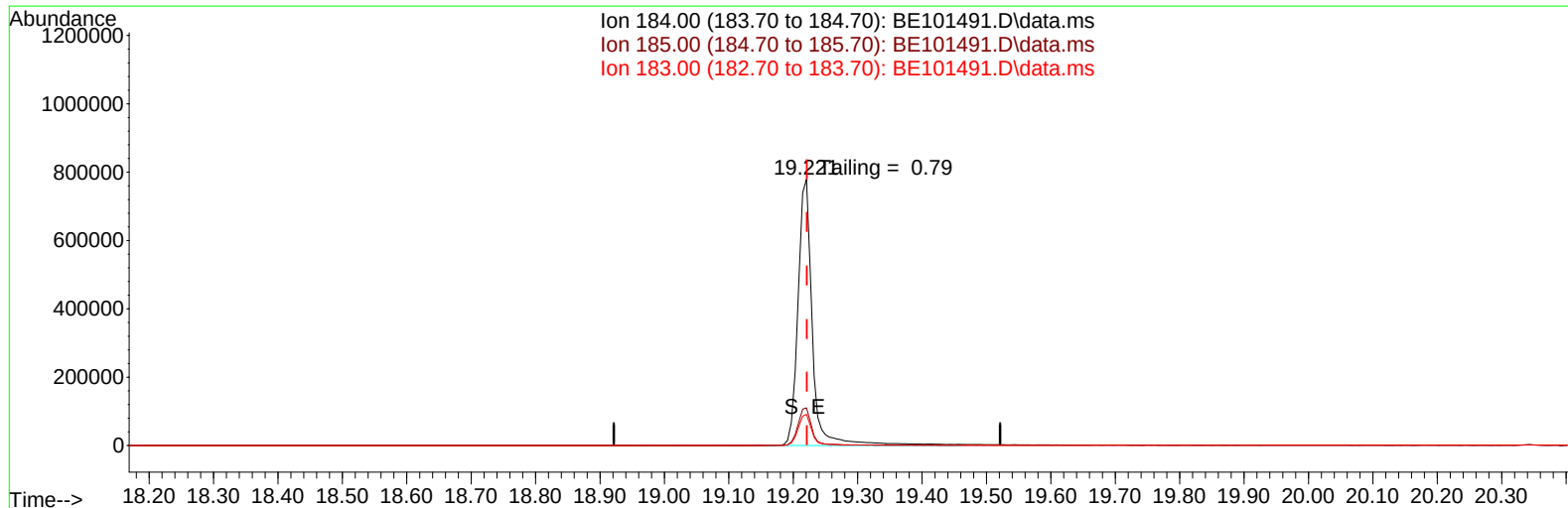
response 237313

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

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	<u>BE101491.D</u>
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

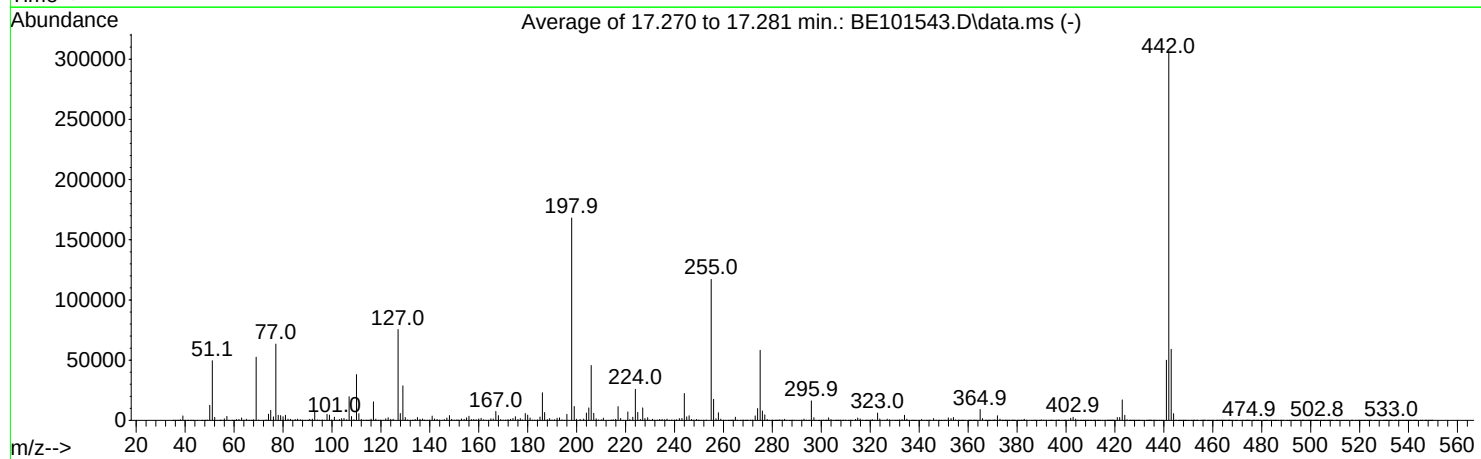
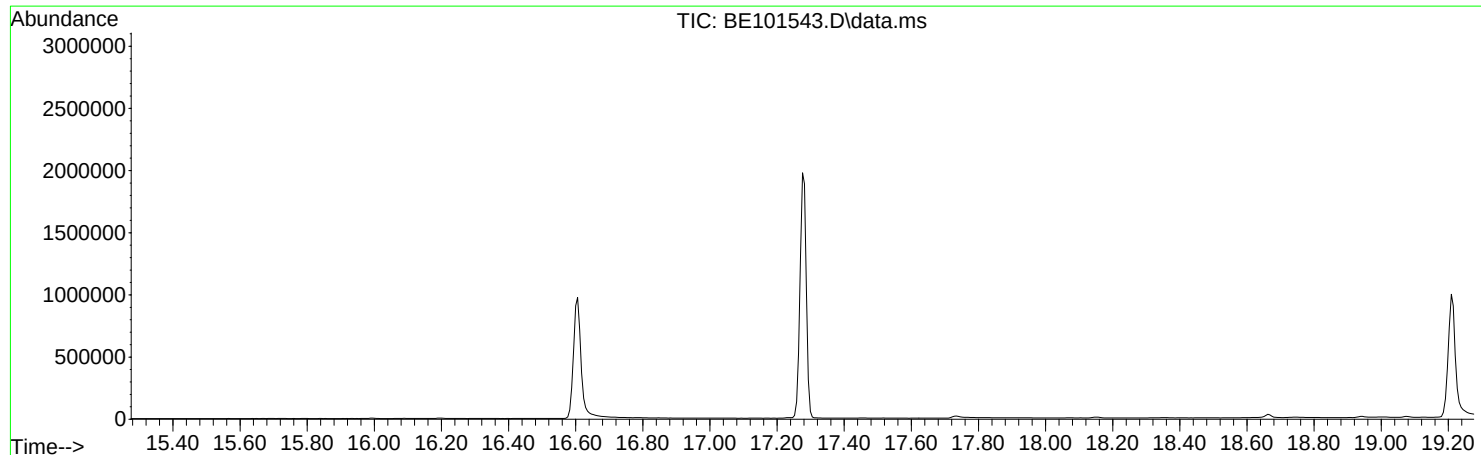
Instrument :
BNA_E
ClientSampleId :
DFTPP

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

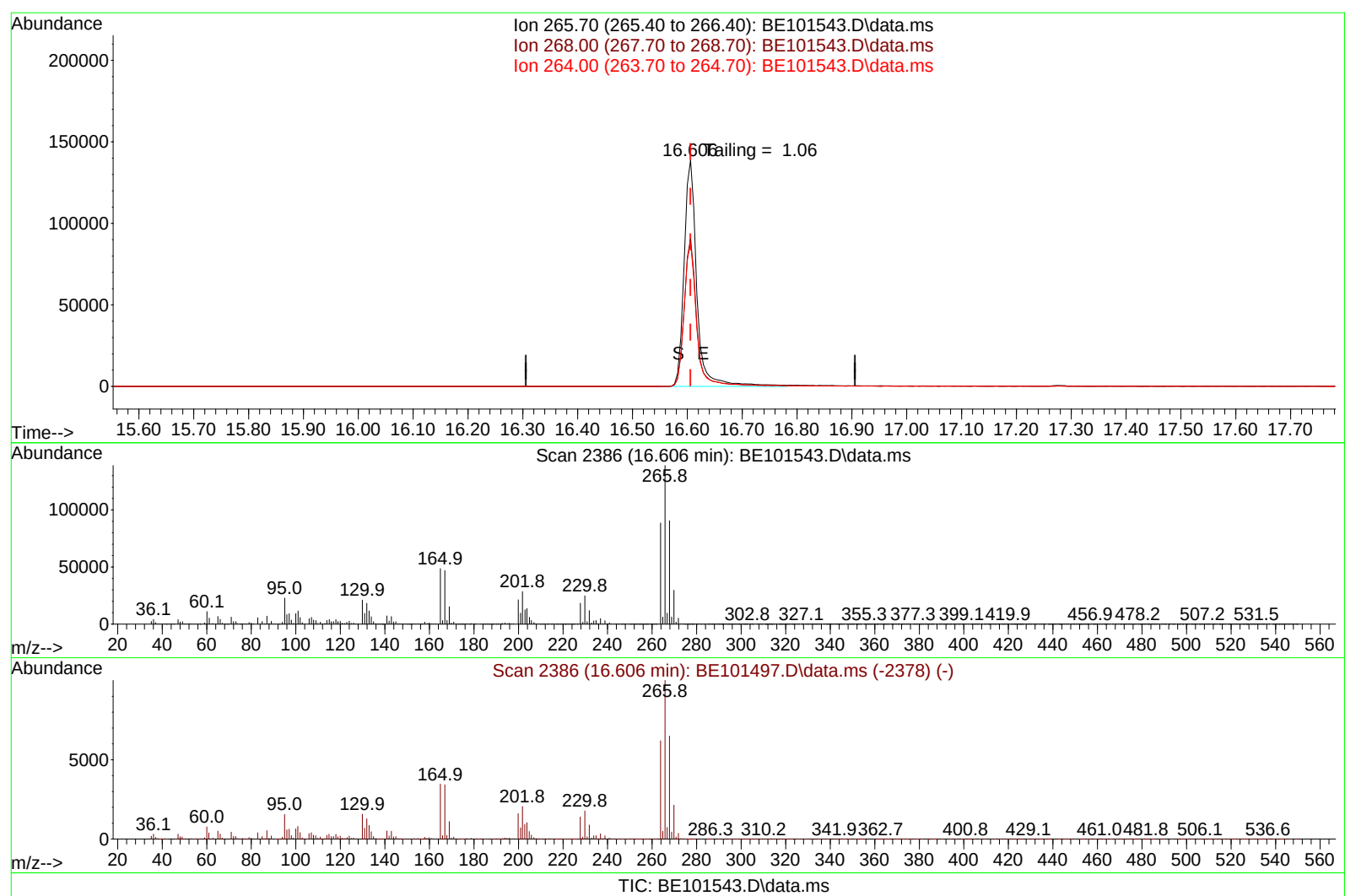
Date	Instrument Name	DFTPP Data File
11/8/2024	BNA_E	<u>BE101543.D</u>
Compound Name	Response	Retention Time
DDT	773969	20.337
DDD	15959	19.955
DDE	485	19.391
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
16444	790413	2.08

Instrument :
BNA_E
ClientSampleId :
DFTPP

```
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



(70) Pentachlorophenol (C)

16.606min (+ 0.000) 216541.97 ng

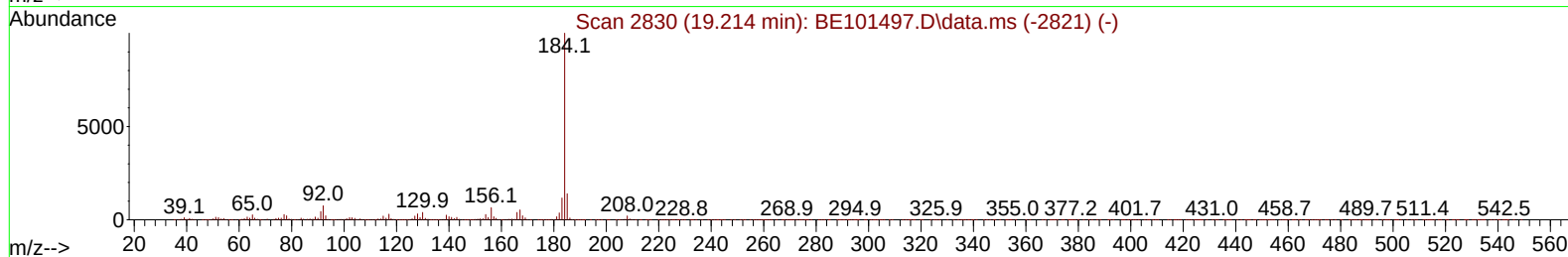
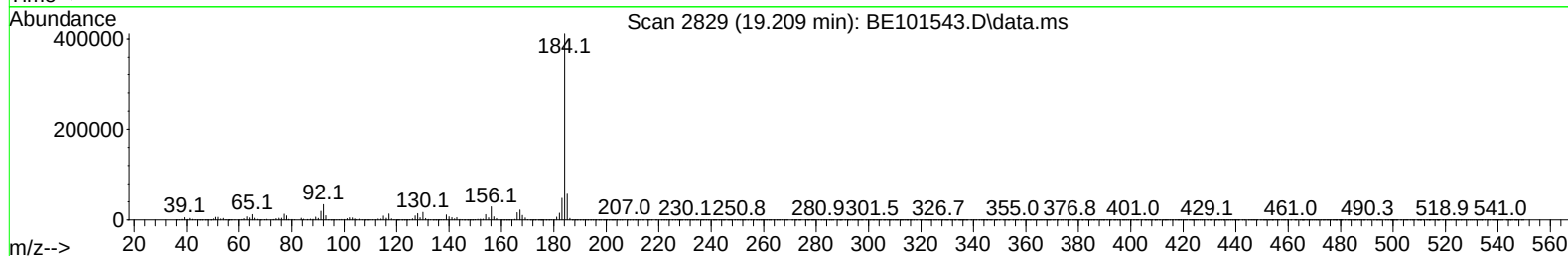
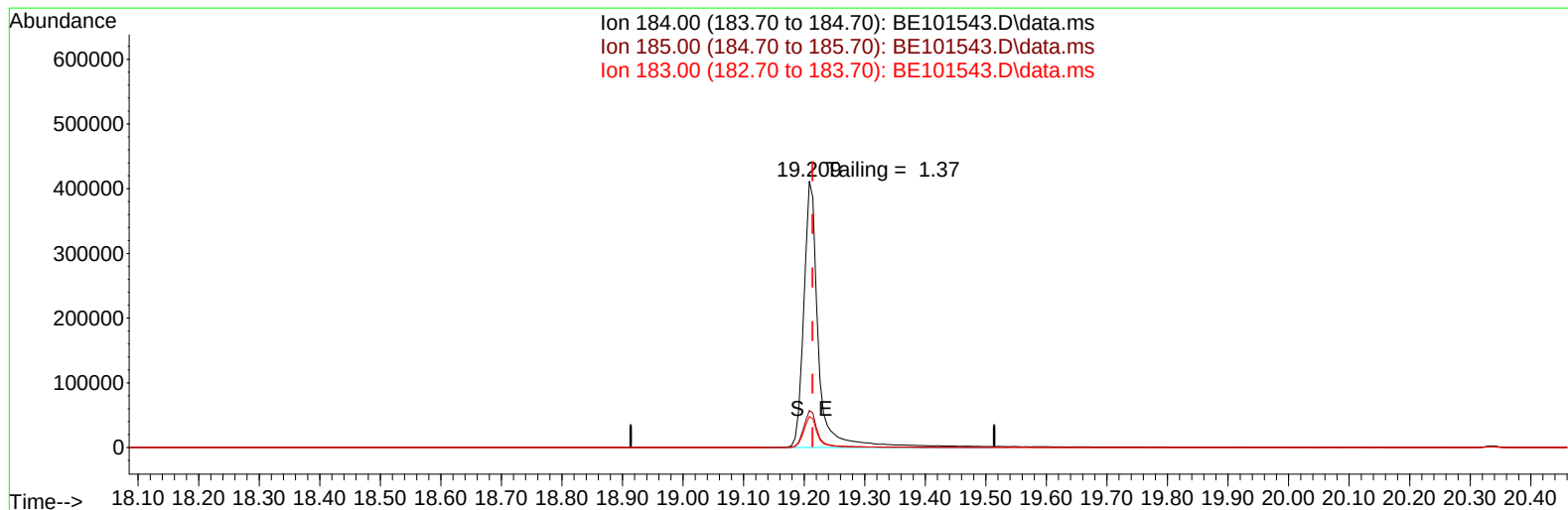
response **225120**

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

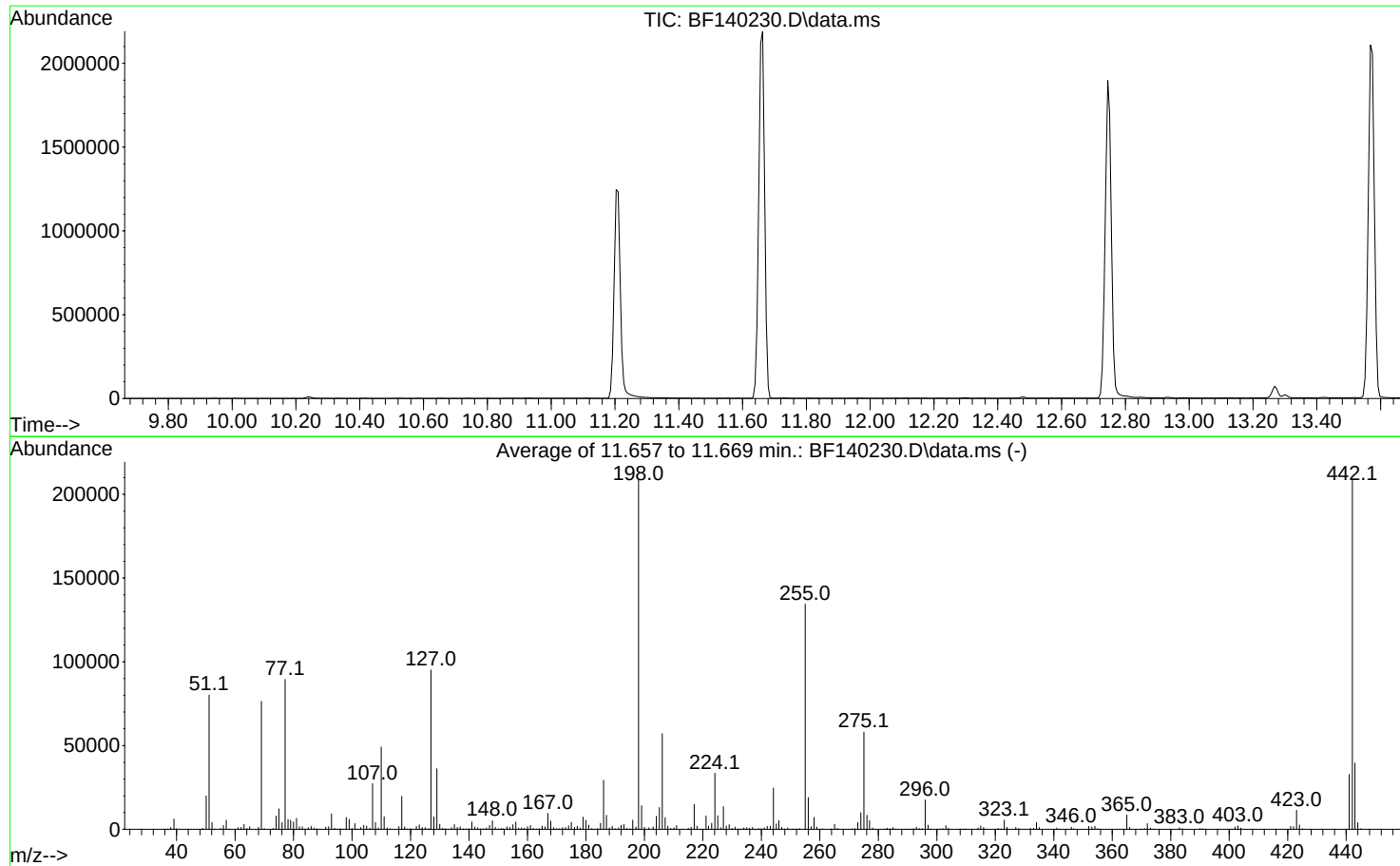
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.90
183.00	11.70	11.67
0.00	0.00	0.00

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



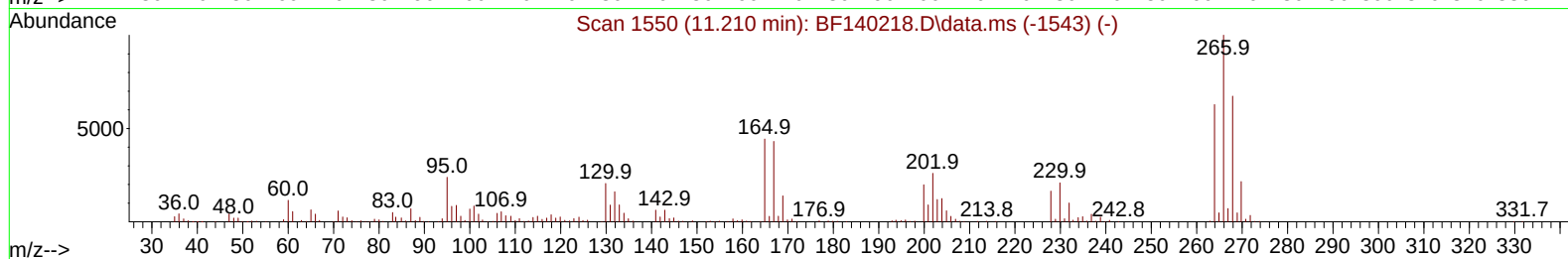
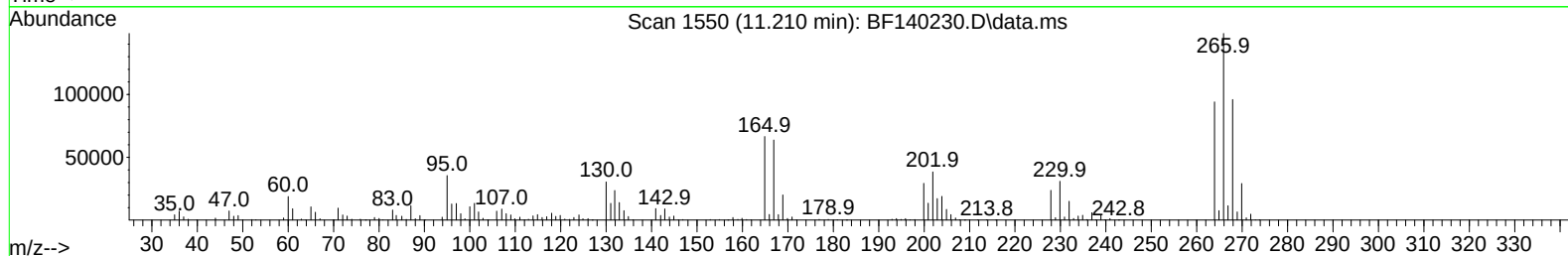
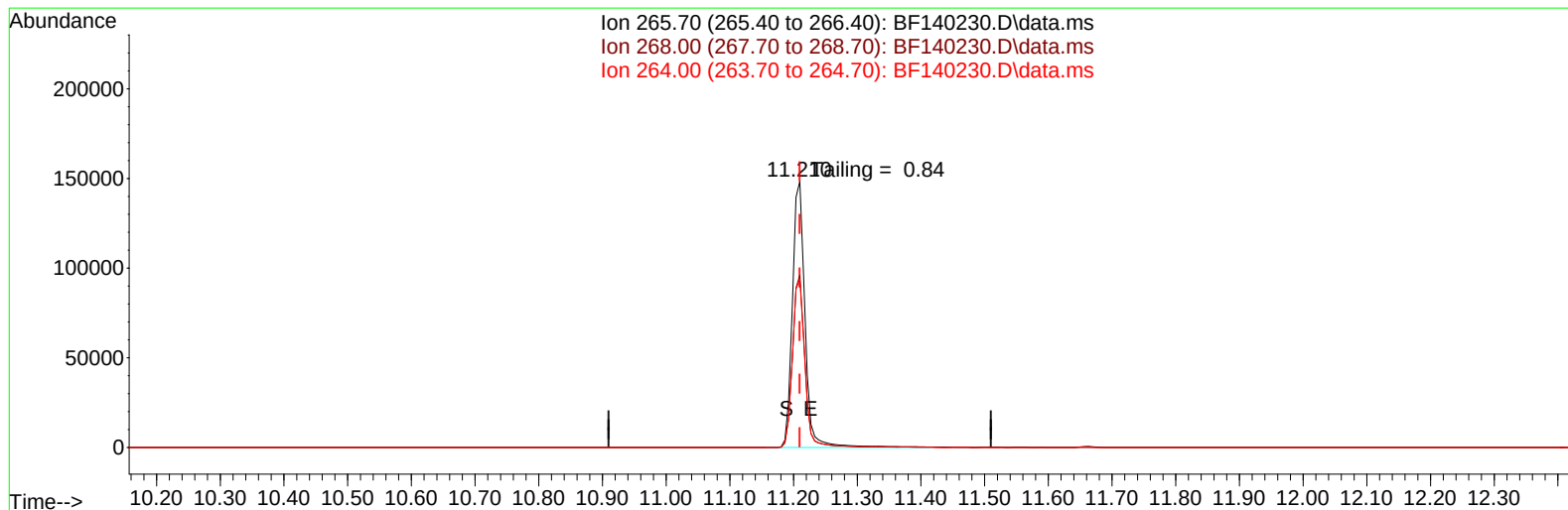
AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1619

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

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

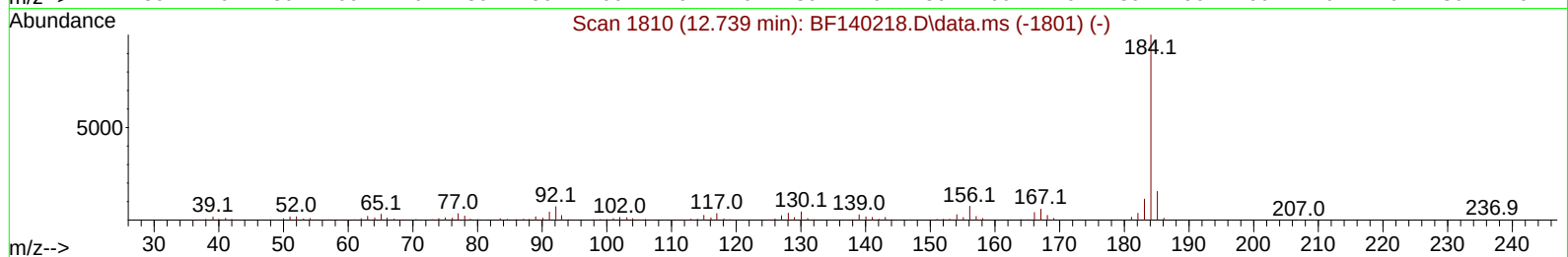
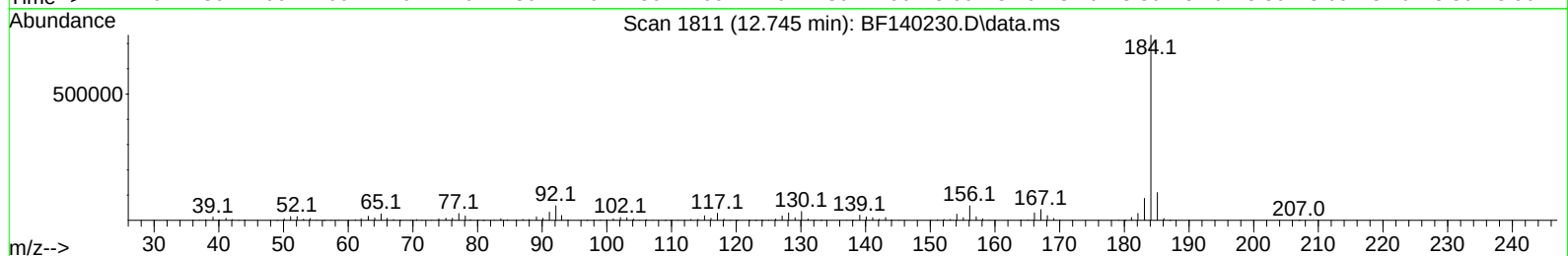
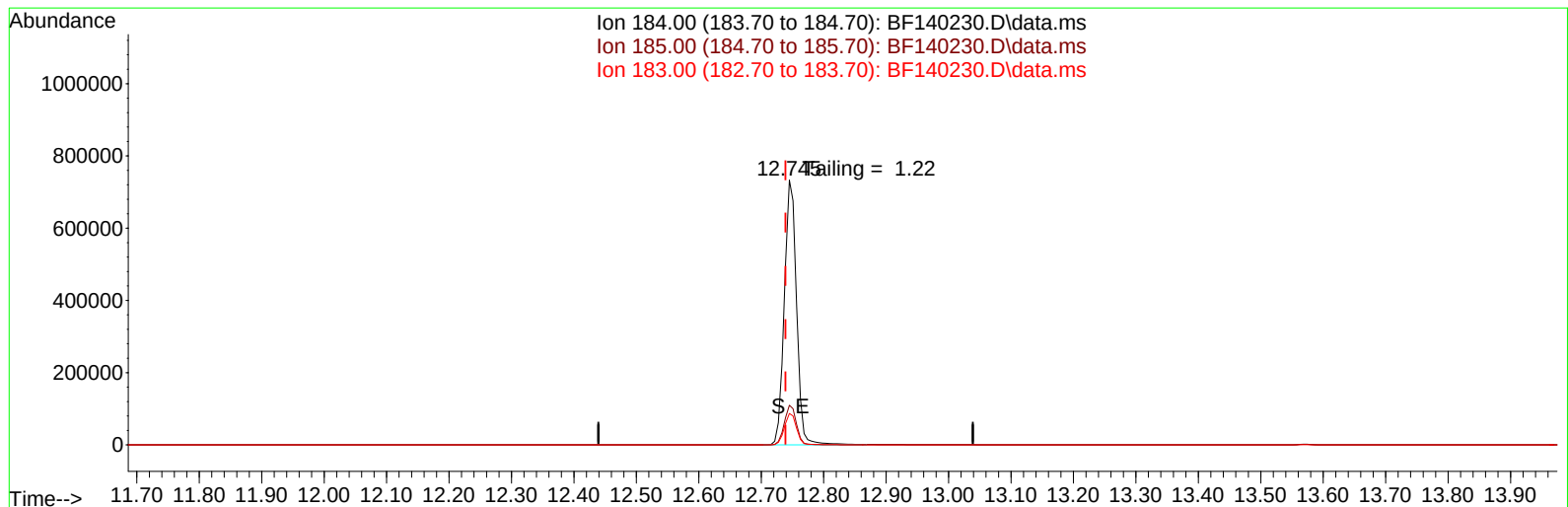
response 206677

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

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	<u>BF140230.D</u>
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

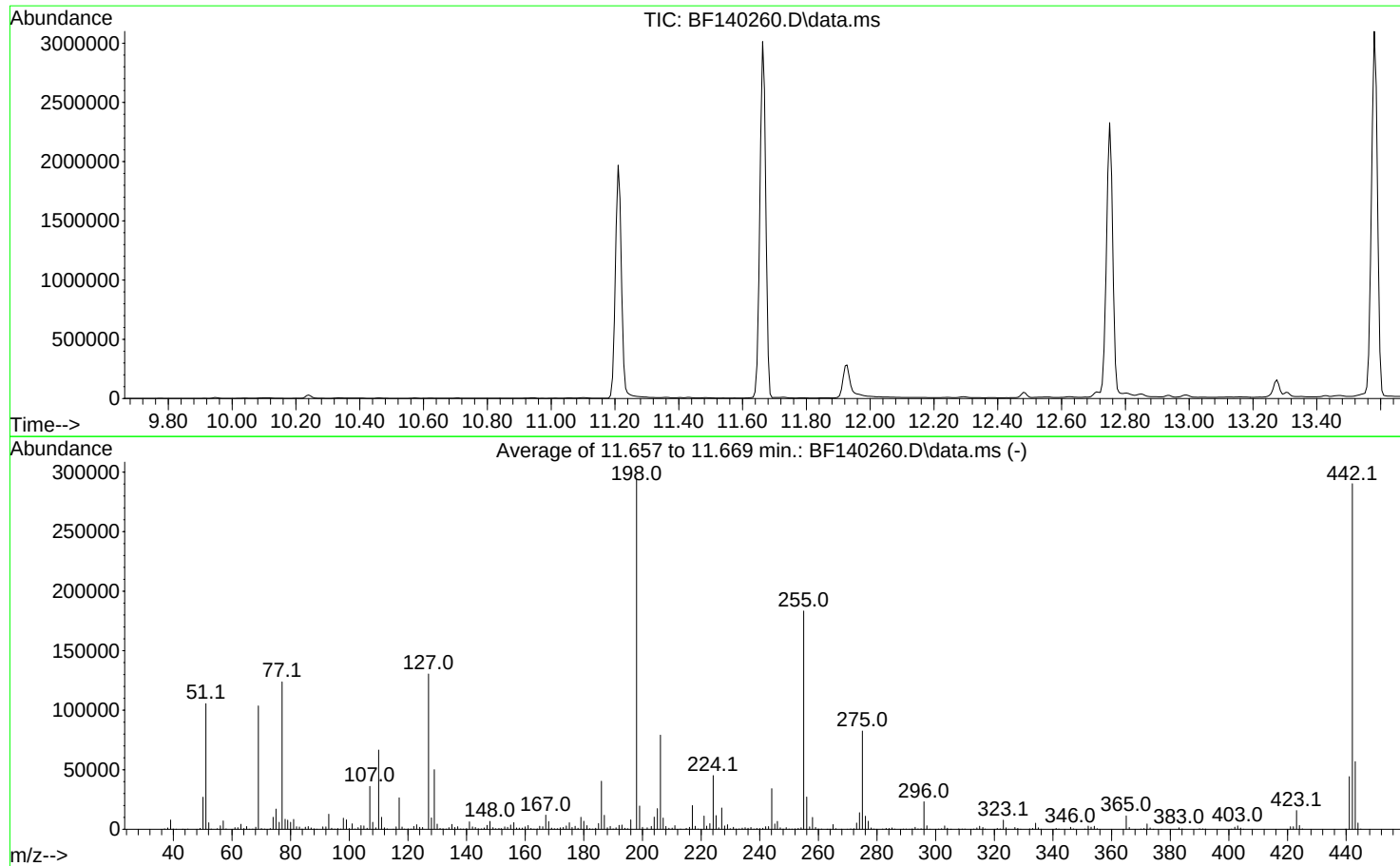
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140260.D
Acq On : 07 Nov 2024 08:33
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



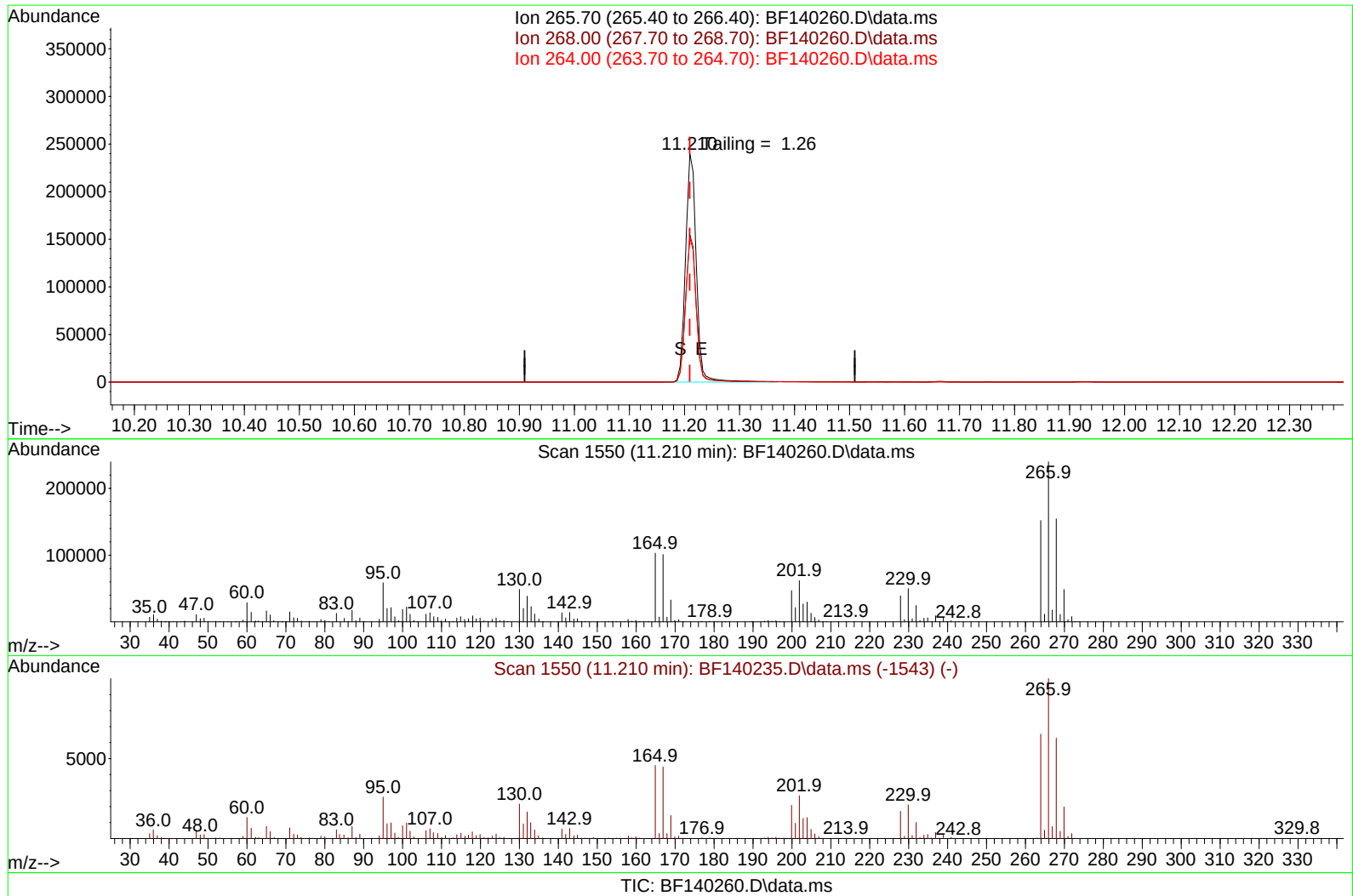
AutoFind: Scans 1626, 1627, 1628; Background Corrected with Scan 1619

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	35.9	105560	PASS
68	69	0.00	2	1.8	1838	PASS
69	198	0.00	100	35.3	103621	PASS
70	69	0.00	2	0.6	596	PASS
127	198	10	80	44.4	130427	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	293760	PASS
199	198	5	9	6.7	19592	PASS
275	198	10	60	28.1	82563	PASS
365	198	1	100	3.8	11210	PASS
441	198	0.01	100	15.1	44267	PASS
442	442	50	100	100.0	290283	PASS
443	442	15	24	19.6	56872	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140260.D
Acq On : 07 Nov 2024 08:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 07 10:53:41 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 16:47:56 2024
Response via : Initial Calibration

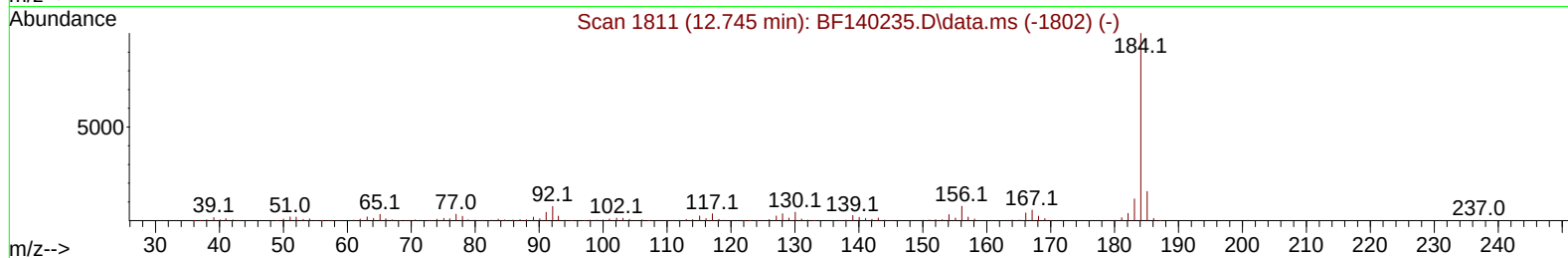
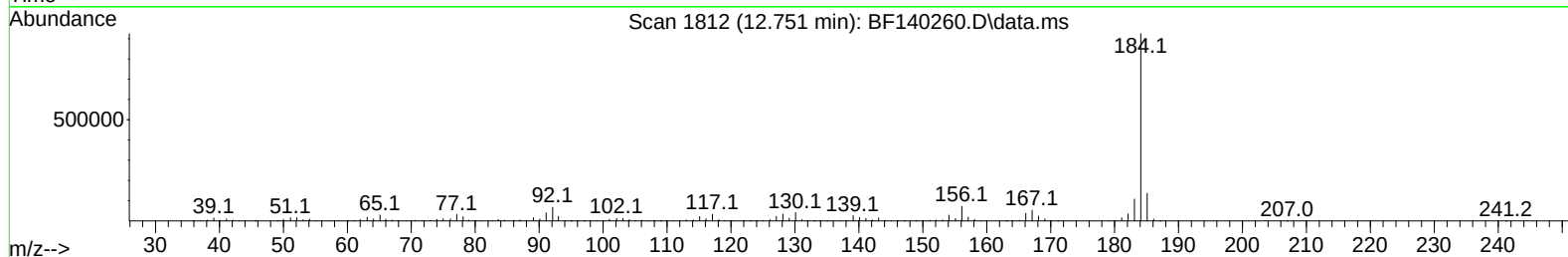
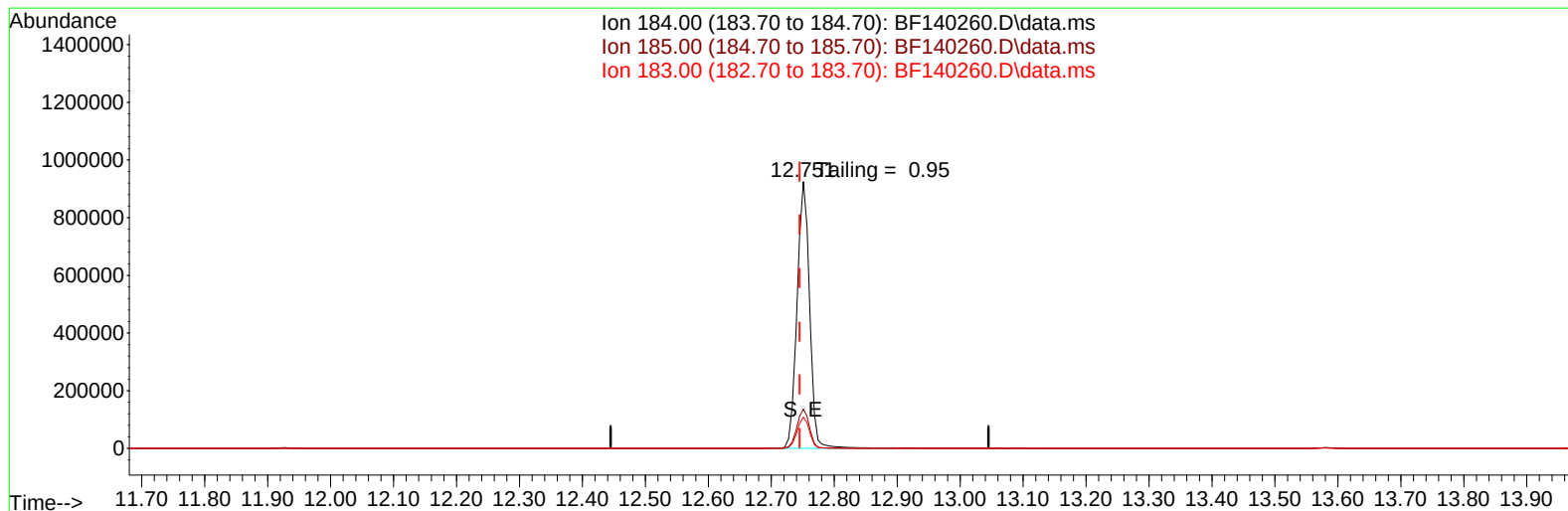
**(70) Pentachlorophenol (C)****11.210min (0.000) 24111.20 ng****response 328643**

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	64.41
264.00	65.30	63.34
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140260.D
Acq On : 07 Nov 2024 08:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 07 10:53:41 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 16:47:56 2024
Response via : Initial Calibration



TIC: BF140260.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 13054.59 ng

response 1289985

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.60	14.73
183.00	11.60	11.70
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/7/2024	BNA_F	<u>BF140260.D</u>
Compound Name	Response	Retention Time
DDT	791360	13.58
DDD	41940	13.274
DDE	2893	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
44833	836193	5.36

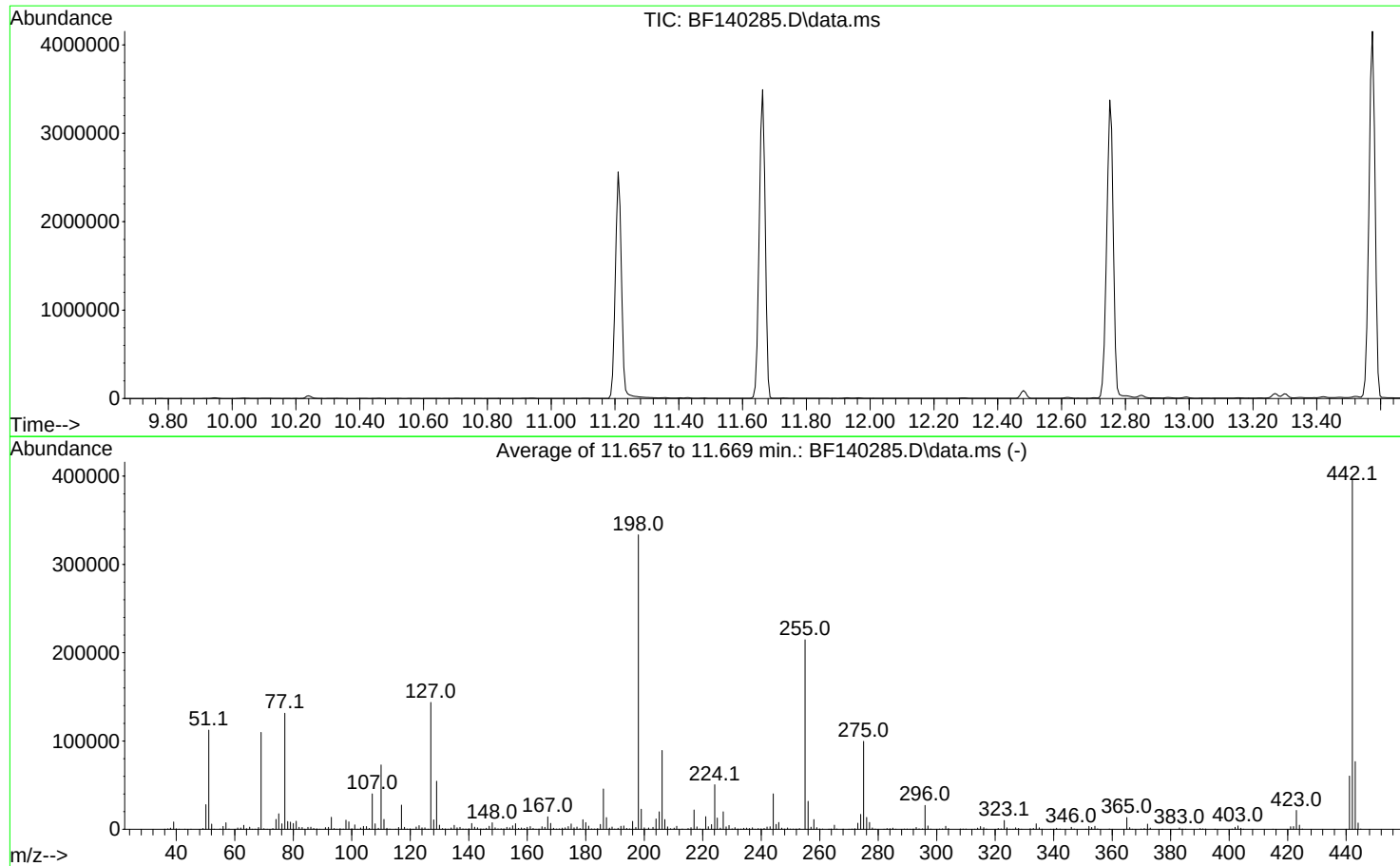
Instrument :
BNA_F
ClientSampleId :
DFTPP

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

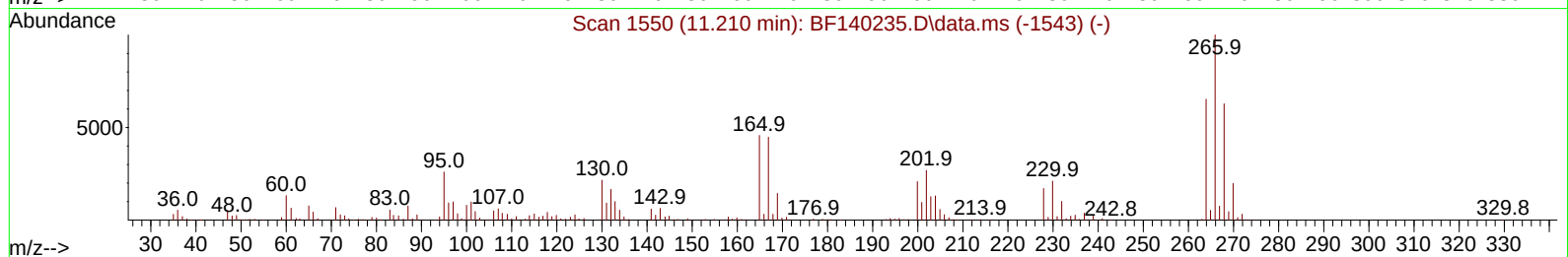
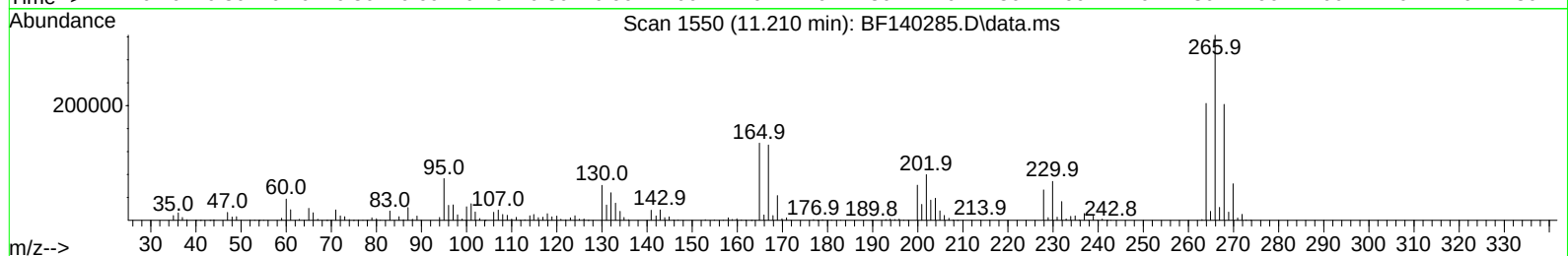
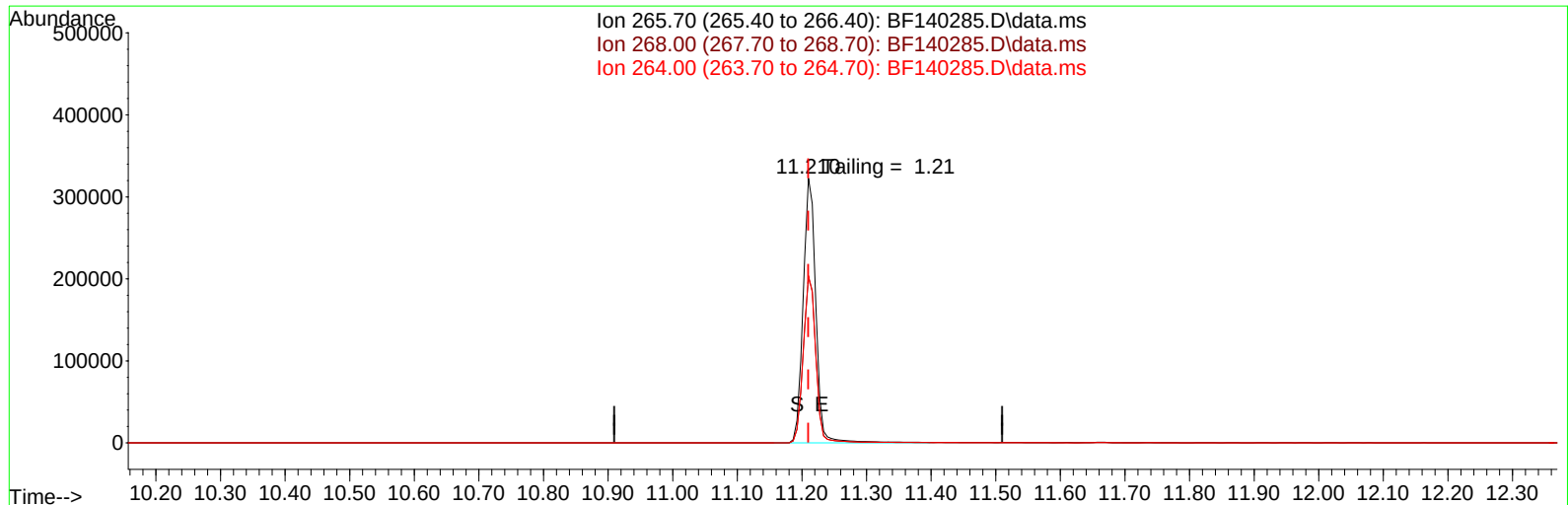
Date	Instrument Name	DFTPP Data File
11/8/2024	BNA_F	<u>BF140285.D</u>
Compound Name	Response	Retention Time
DDT	1118785	13.575
DDD	23060	13.269
DDE	1849	12.933
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
24909	1143694	2.18

Instrument :
BNA_F
ClientSampleId :
DFTPP

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

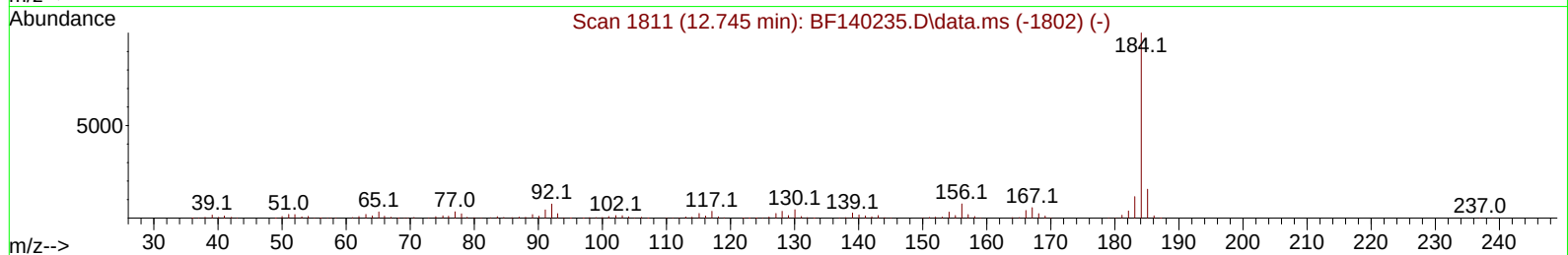
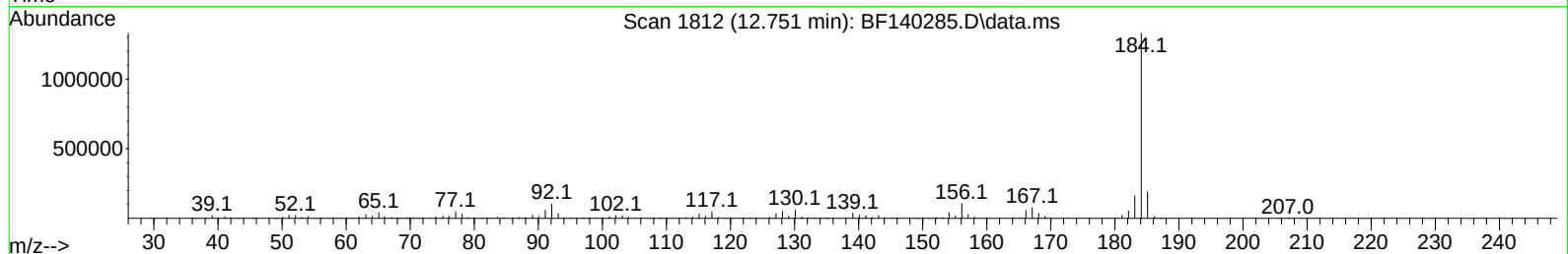
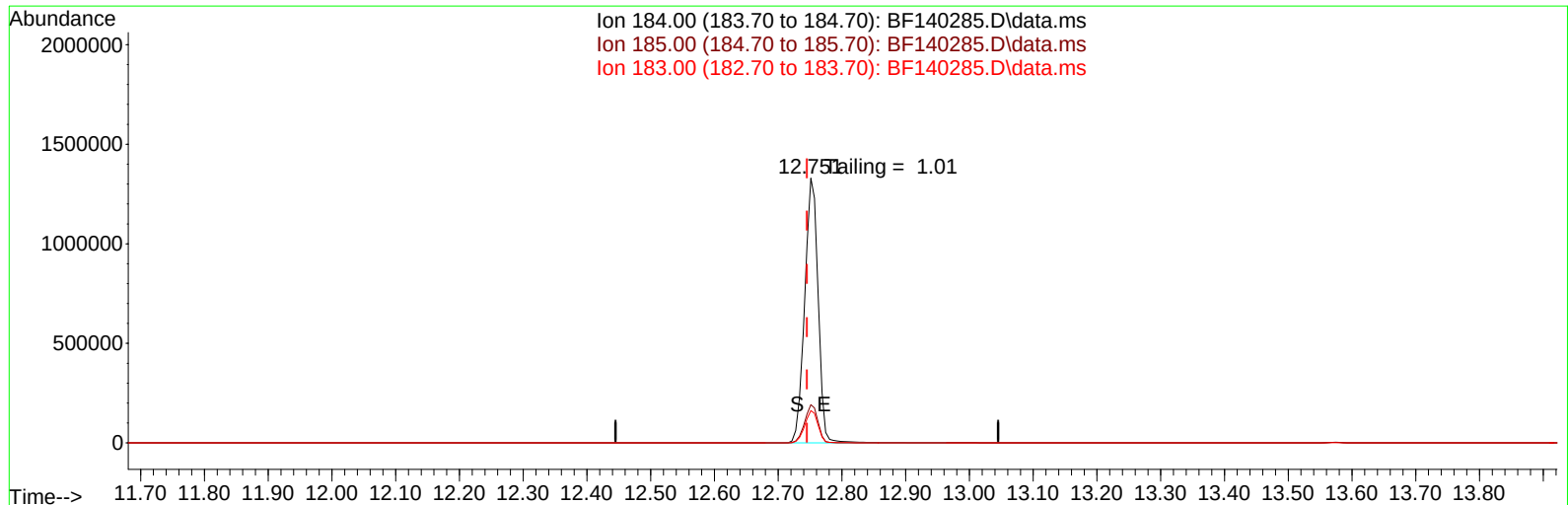
response 440973

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

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

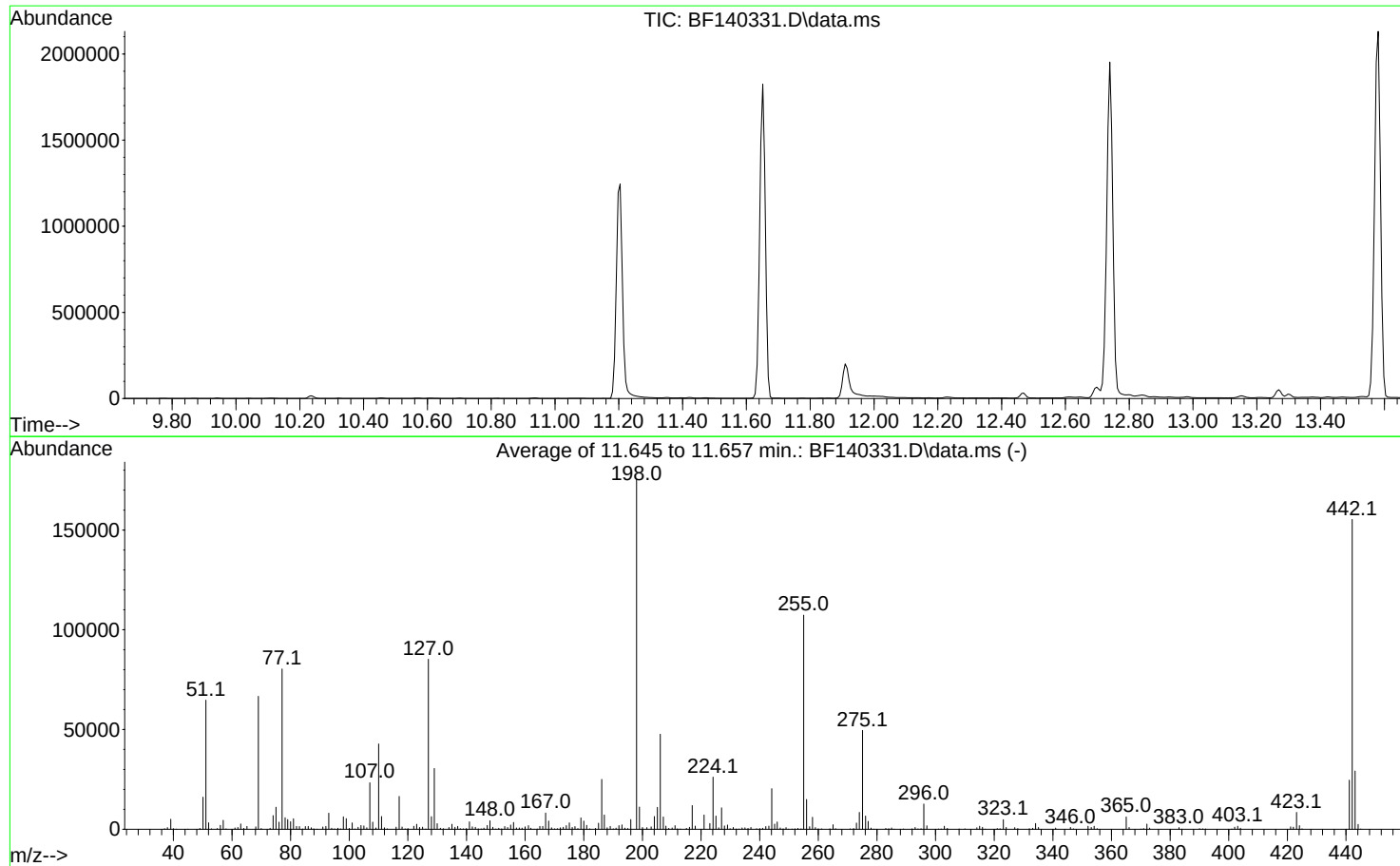
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.60	14.44
183.00	11.60	12.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024



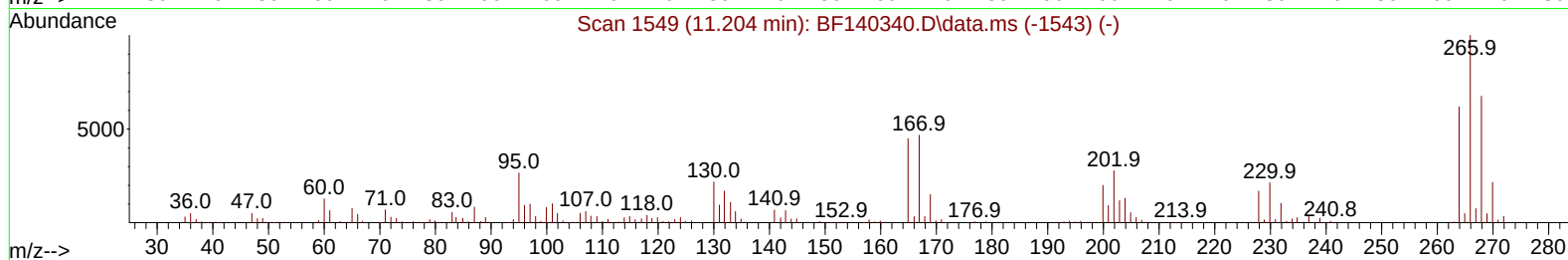
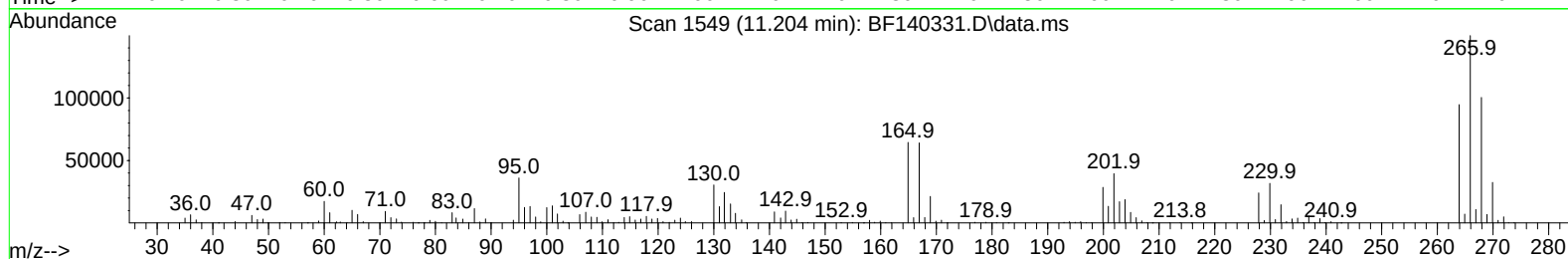
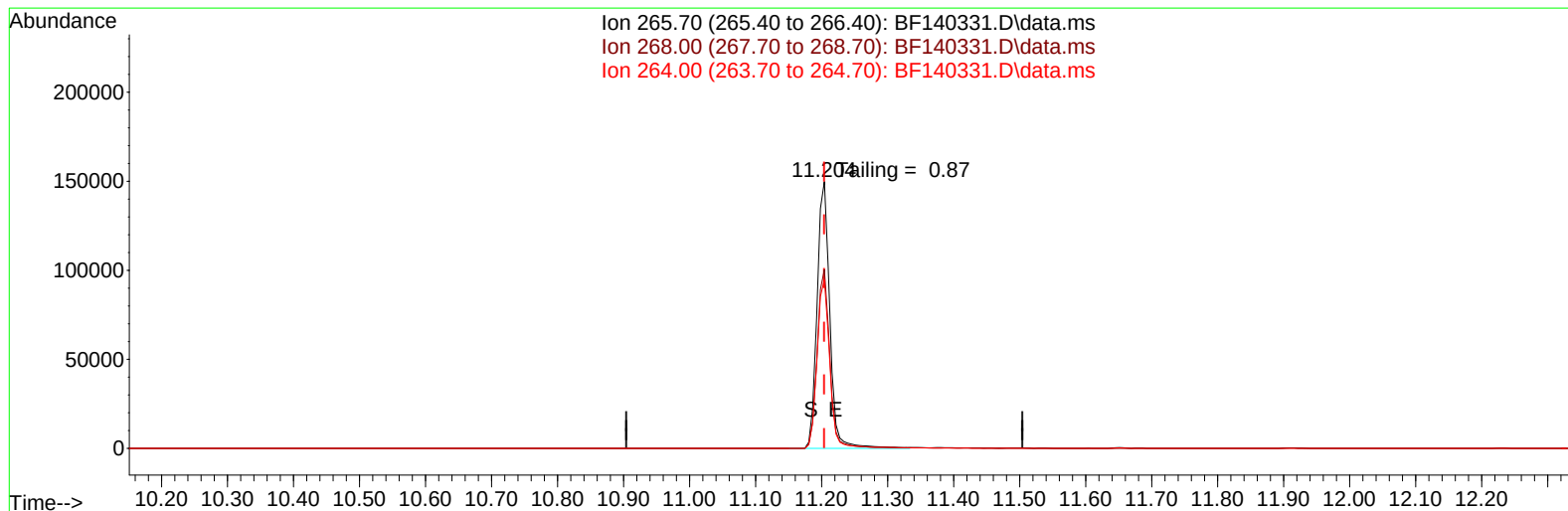
AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	36.9	64757	PASS
68	69	0.00	2	1.8	1226	PASS
69	198	0.00	100	38.0	66677	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	85245	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	175296	PASS
199	198	5	9	6.4	11148	PASS
275	198	10	60	28.3	49536	PASS
365	198	1	100	3.5	6203	PASS
441	198	0.01	100	14.0	24595	PASS
442	442	50	100	100.0	155288	PASS
443	442	15	24	18.8	29203	PASS

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\  
Data File : BF140331.D  
Acq On    : 13 Nov 2024  08:35  
Operator  : RC/JU  
Sample    : DFTPP  
Misc      :  
ALS Vial  : 1    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



TIC: BF140331.D\data.ms

(70) Pentachlorophenol (C)

11.204min (0.000) 23118.21 ng

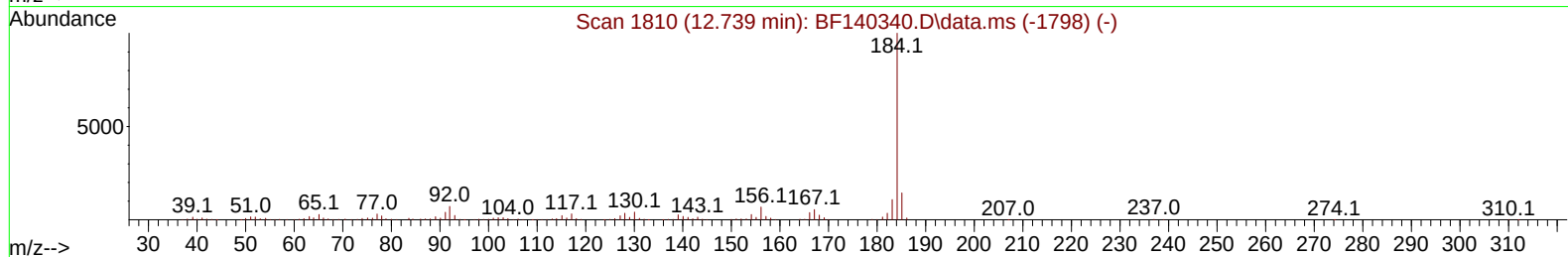
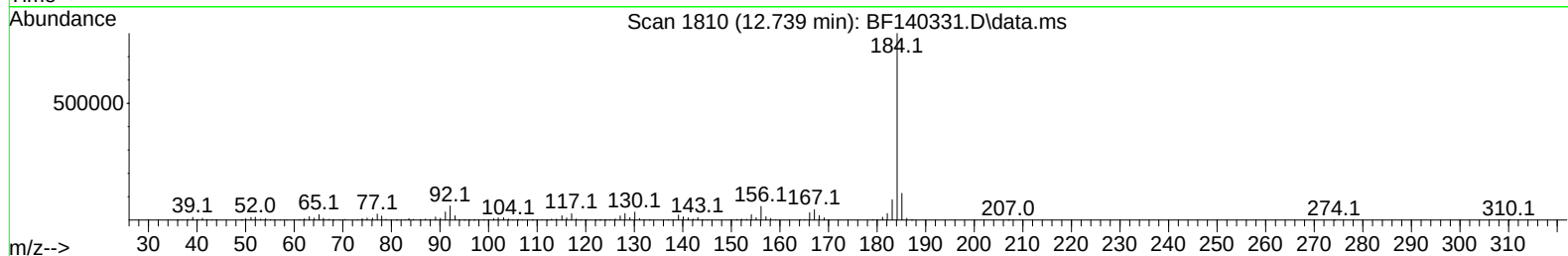
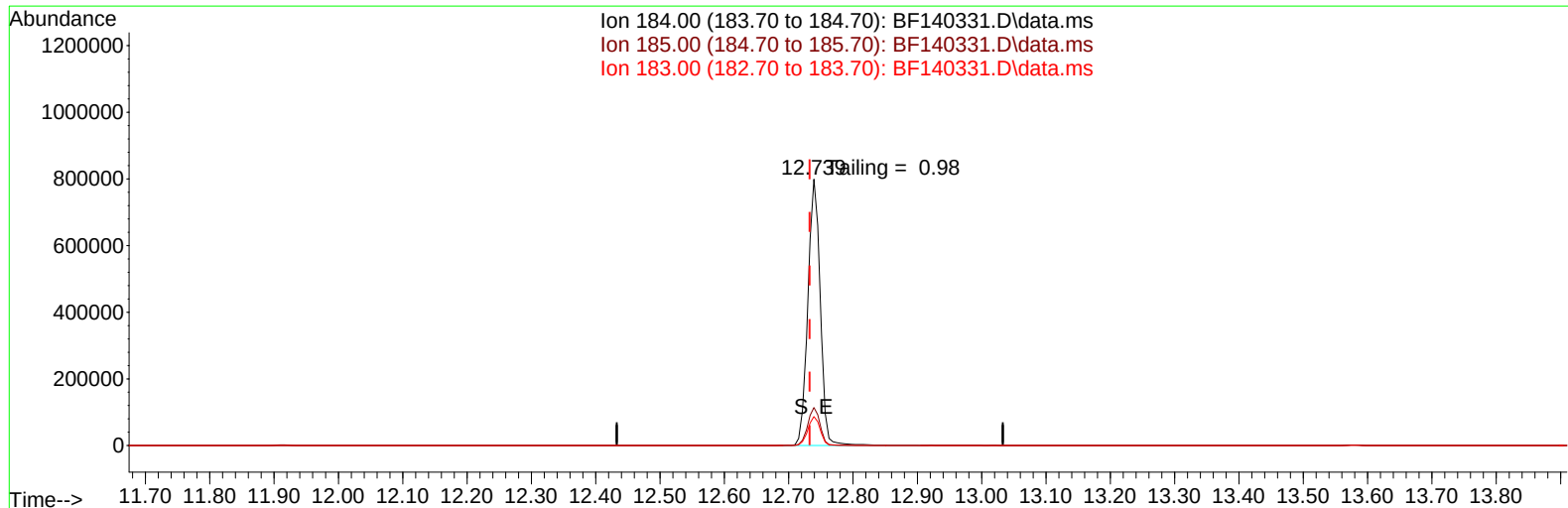
response 201406

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.05
264.00	62.90	63.20
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 13 14:44:41 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



TIC: BF140331.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 47514.94 ng

response 1075955

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.29
183.00	10.80	10.88
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/13/2024	BNA_F	<u>BF140331.D</u>
Compound Name	Response	Retention Time
DDT	544964	13.58
DDD	17817	13.269
DDE	776	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18593	563557	3.30

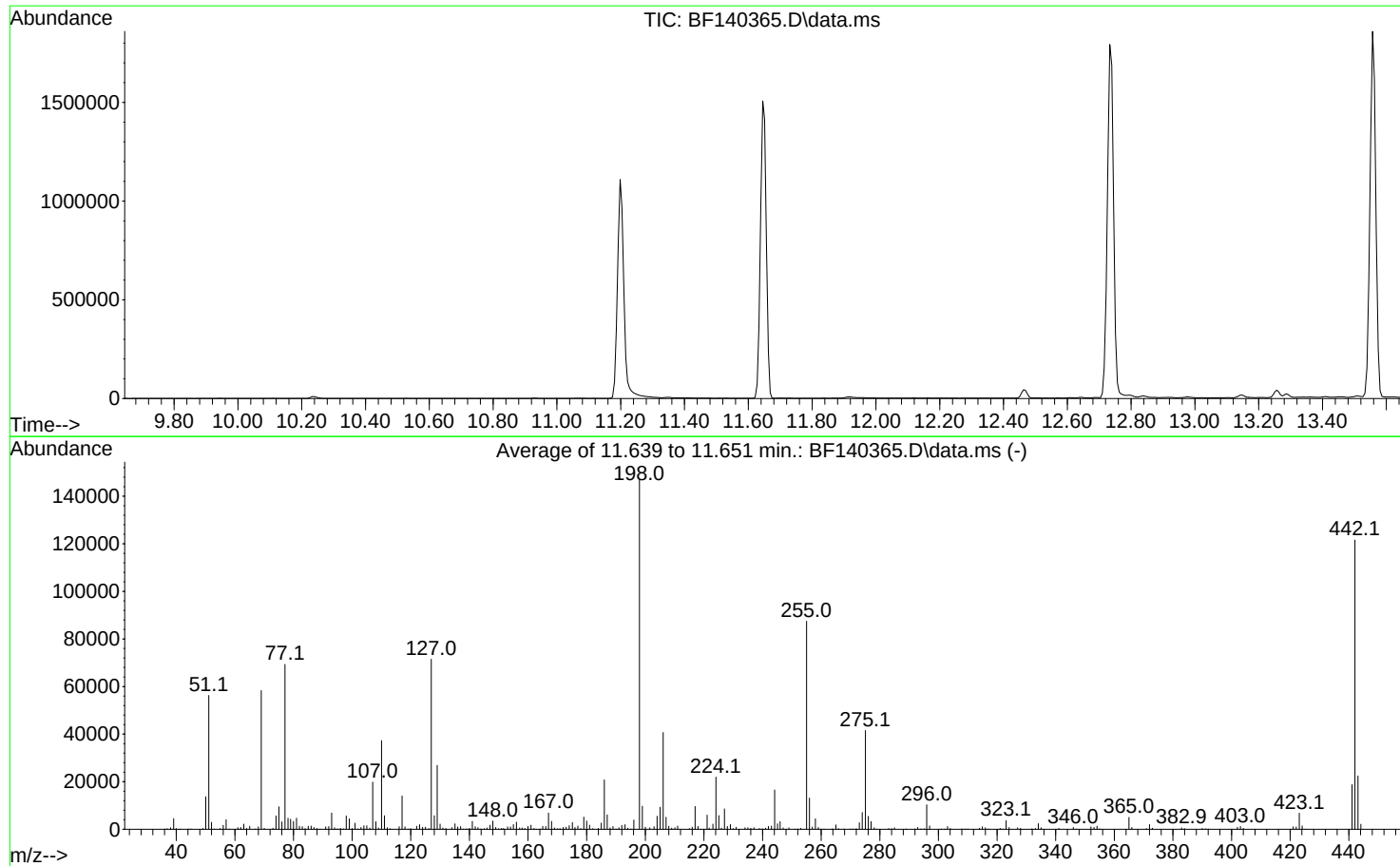
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 13 14:40:06 2024



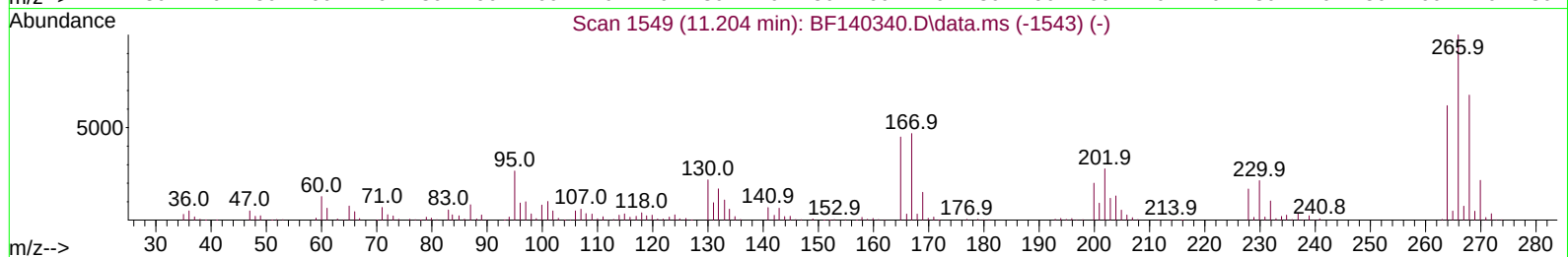
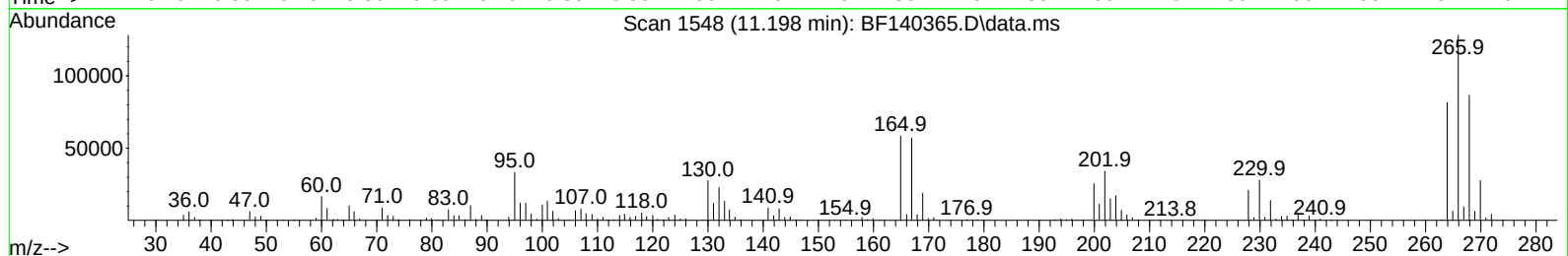
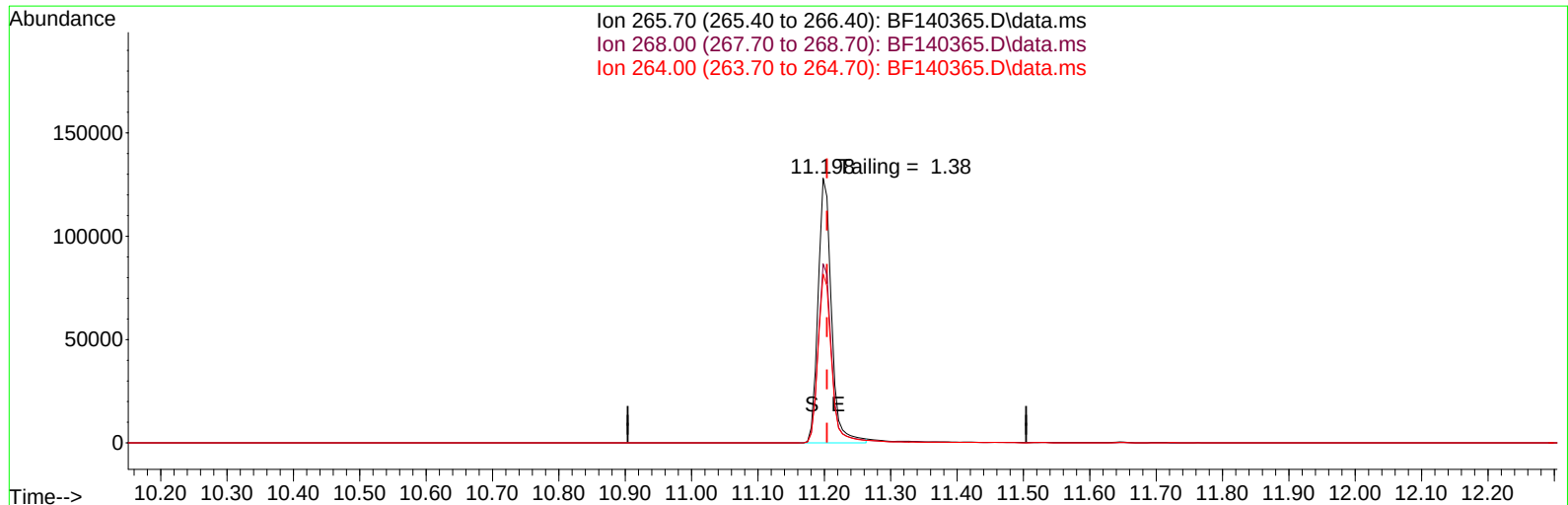
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	56256	PASS
68	69	0.00	2	1.8	1048	PASS
69	198	0.00	100	39.7	58288	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	71504	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146981	PASS
199	198	5	9	6.6	9705	PASS
275	198	10	60	28.2	41477	PASS
365	198	1	100	3.4	5013	PASS
441	198	0.01	100	12.8	18763	PASS
442	442	50	100	100.0	121611	PASS
443	442	15	24	18.4	22419	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 03:47:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



TIC: BF140365.D\data.ms

(70) Pentachlorophenol (C)

11.198min (-0.006) 63998.59 ng

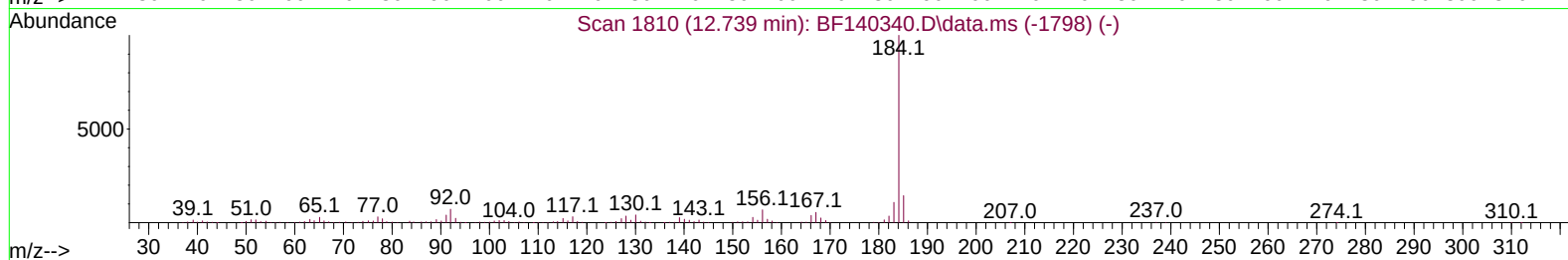
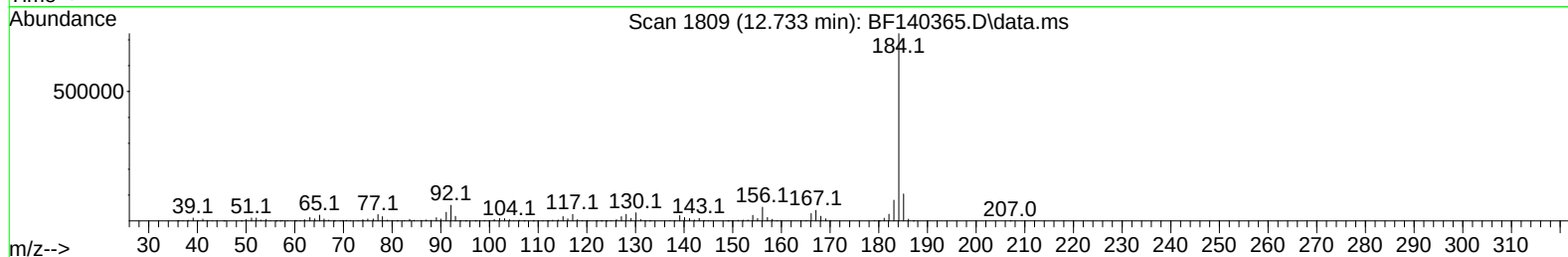
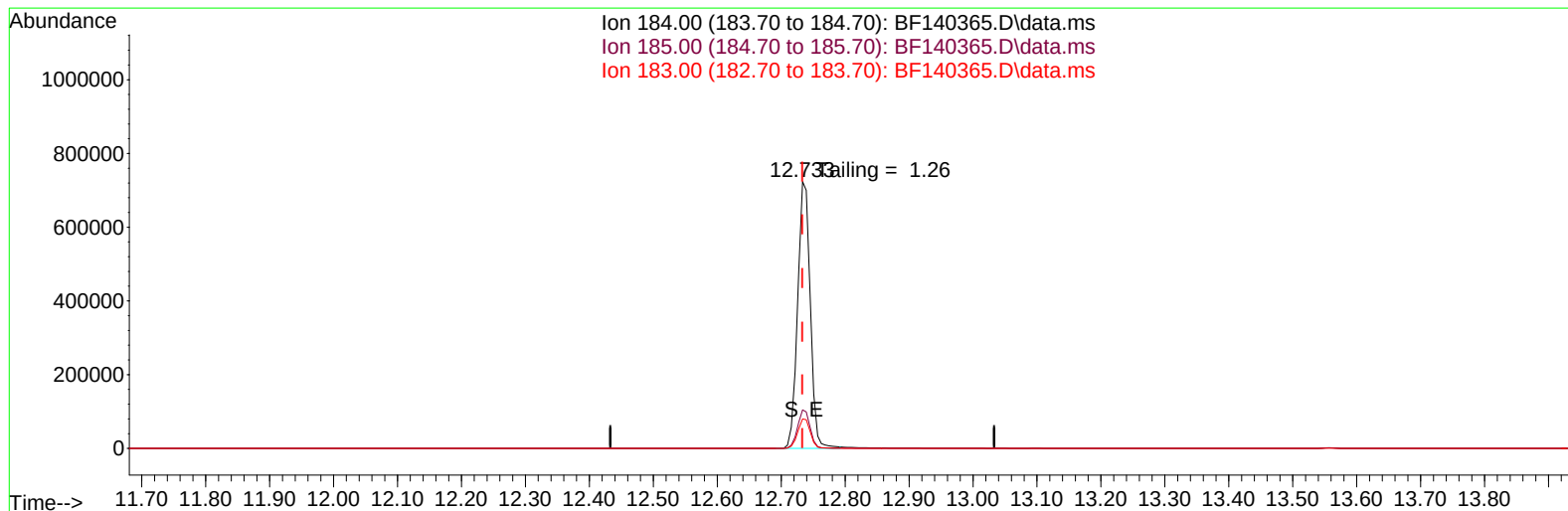
response 182621

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.63
264.00	62.90	63.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 03:47:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



TIC: BF140365.D\data.ms

(77) Benzidine

12.733min (+ 0.000) 36692.71 ng

response 1009743

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.42
183.00	10.80	11.08
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/14/2024	BNA_F	<u>BF140365.D</u>
Compound Name	Response	Retention Time
DDT	468813	13.557
DDD	15679	13.257
DDE	402	12.922
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
16081	484894	3.32

Instrument :
BNA_F
ClientSampleId :
DFTPP

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:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

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:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

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:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	169	*	18 - 112	113%	SPK: 150
13127-88-3	Phenol-d6	154		15 - 107	102%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		18 - 107	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	105		20 - 109	105%	SPK: 100
118-79-6	2,4,6-Tribromophenol	153		10 - 116	102%	SPK: 150
1718-51-0	Terphenyl-d14	105		10 - 105	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34600		7.555		
1146-65-2	Naphthalene-d8	145000		10.328		
15067-26-2	Acenaphthene-d10	93500		14.171		
1517-22-2	Phenanthrene-d10	230000		16.909		
1719-03-5	Chrysene-d12	302000		21.069		
1520-96-3	Perylene-d12	434000		23.354		
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	440	A		4.78	ug/Kg

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:	PB164750BL	SDG No.:	P4722
Lab Sample ID:	PB164750BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BE101545.D	1	11/07/24 09:20	11/08/24 10:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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 : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

Quant Time: Nov 08 10:32:06 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	7.555	152	34636	20.000	ng	0.00
21) Naphthalene-d8	10.328	136	145179	20.000	ng	0.00
39) Acenaphthene-d10	14.171	164	93474	20.000	ng	0.00
64) Phenanthrene-d10	16.909	188	229842	20.000	ng	0.00
76) Chrysene-d12	21.069	240	301745	20.000	ng	0.00
86) Perylene-d12	23.354	264	434243	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.311	112	331106	169.030	ng	0.00
7) Phenol-d6	6.938	99	412504	153.590	ng	0.00
23) Nitrobenzene-d5	8.765	82	239194	104.069	ng	0.00
42) 2,4,6-Tribromophenol	15.681	330	268613	152.717	ng	0.00
45) 2-Fluorobiphenyl	12.790	172	603810	105.473	ng	0.00
79) Terphenyl-d14	19.500	244	1430172	104.916	ng	0.00

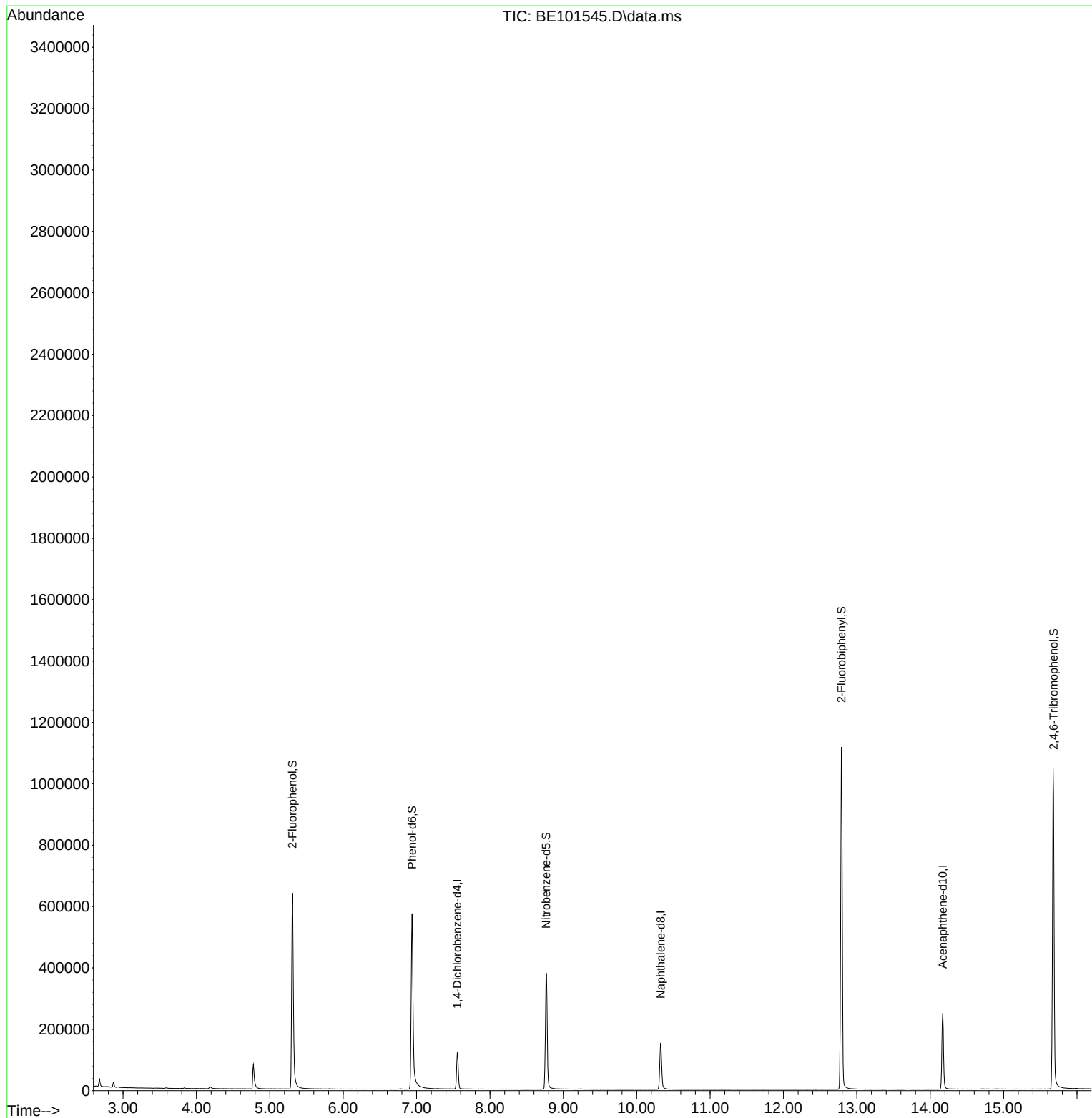
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

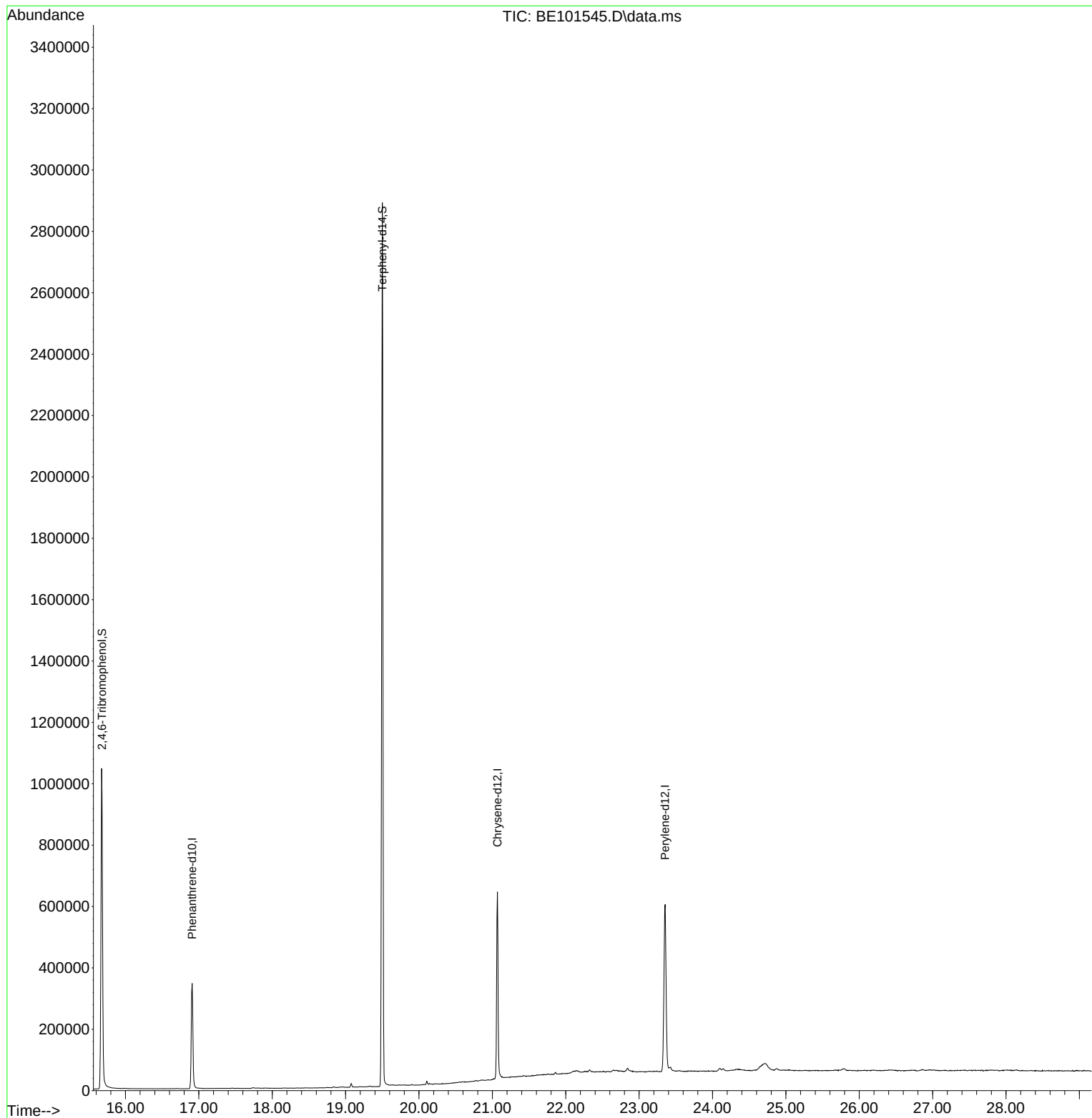
Quant Time: Nov 08 10:32:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

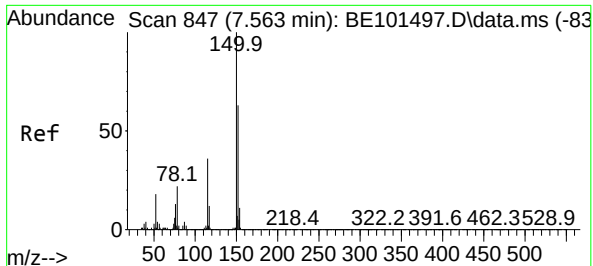


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Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

Quant Time: Nov 08 10:32:06 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

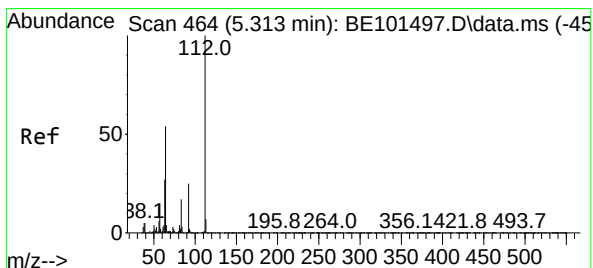
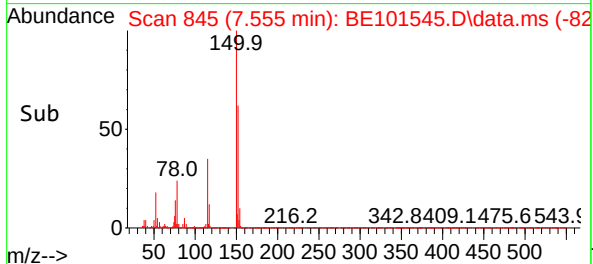
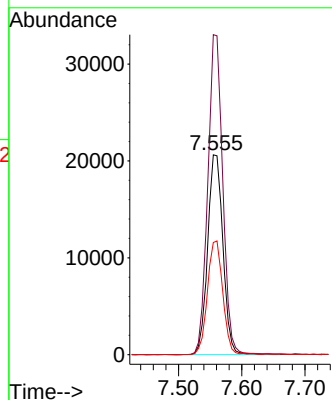
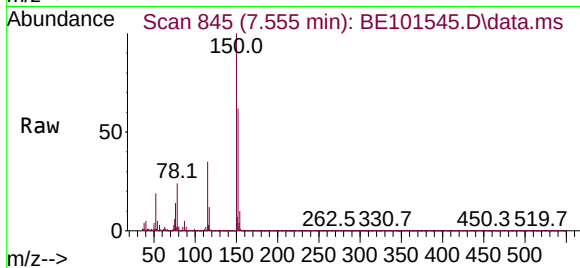




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.555 min Scan# 84
Delta R.T. -0.008 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

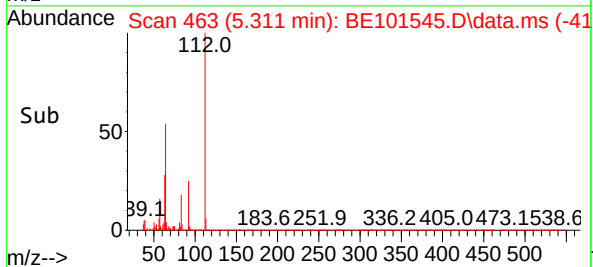
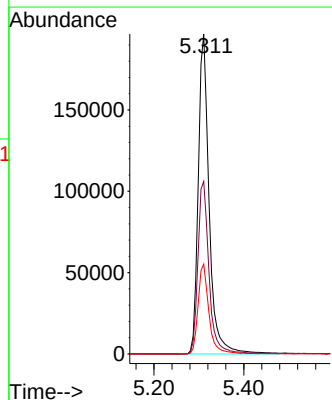
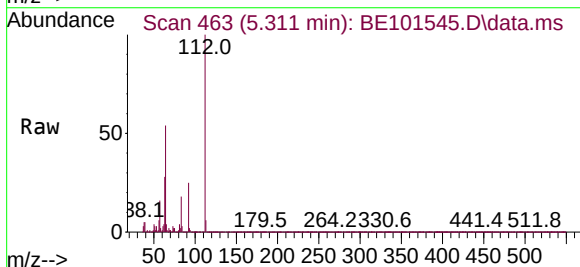
Instrument :
BNA_E
ClientSampleId :
PB164750BL

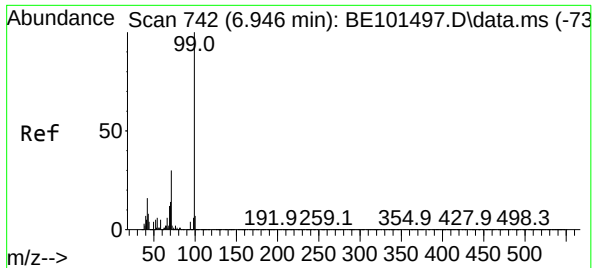
Tgt Ion:152 Resp: 34636
Ion Ratio Lower Upper
152 100
150 160.1 126.3 189.5
115 56.1 45.0 67.4



#5
2-Fluorophenol
Concen: 169.030 ng
RT: 5.311 min Scan# 463
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

Tgt Ion:112 Resp: 331106
Ion Ratio Lower Upper
112 100
64 53.9 43.2 64.8
63 28.1 21.8 32.6





#7

Phenol-d6

Concen: 153.590 ng

RT: 6.938 min Scan# 741

Delta R.T. -0.008 min

Lab File: BE101545.D

Acq: 8 Nov 2024 10:51

Instrument :

BNA_E

ClientSampleId :

PB164750BL

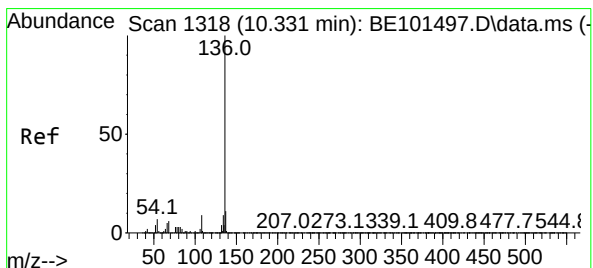
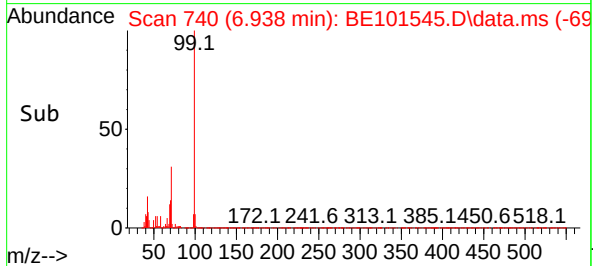
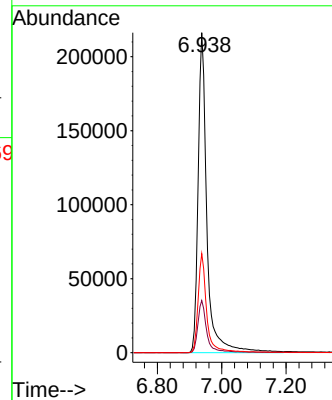
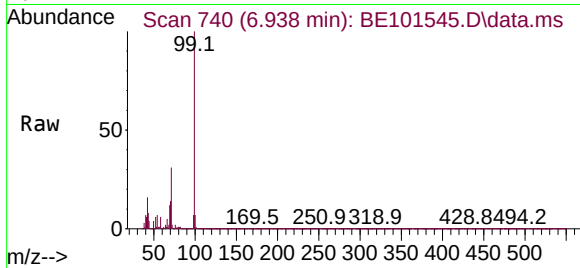
Tgt Ion: 99 Resp: 412504

Ion Ratio Lower Upper

99 100

42 16.3 12.5 18.7

71 31.0 24.2 36.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.328 min Scan# 1317

Delta R.T. -0.002 min

Lab File: BE101545.D

Acq: 8 Nov 2024 10:51

Tgt Ion: 136 Resp: 145179

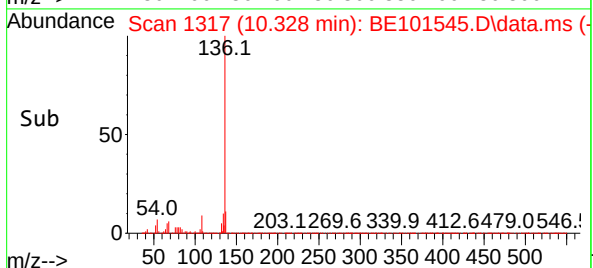
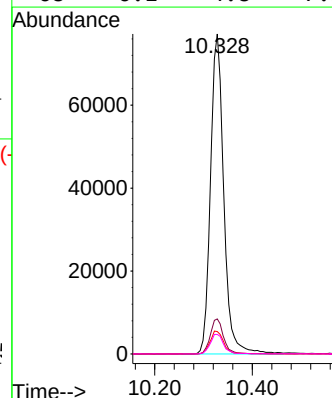
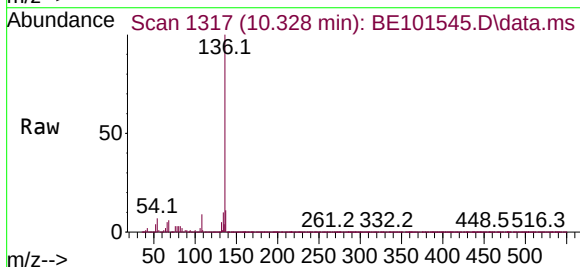
Ion Ratio Lower Upper

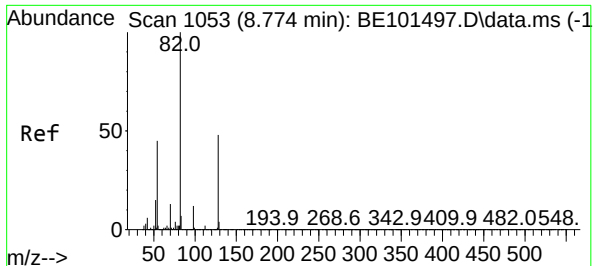
136 100

137 10.9 8.6 13.0

54 7.0 5.6 8.4

68 6.1 4.8 7.2

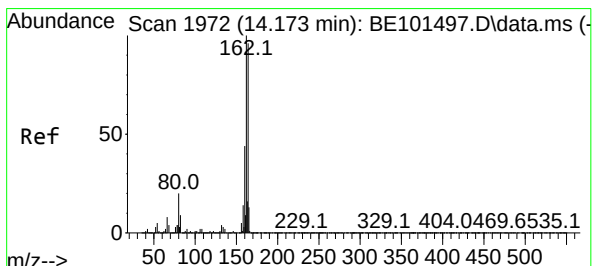
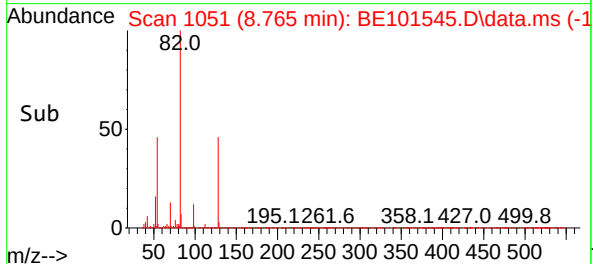
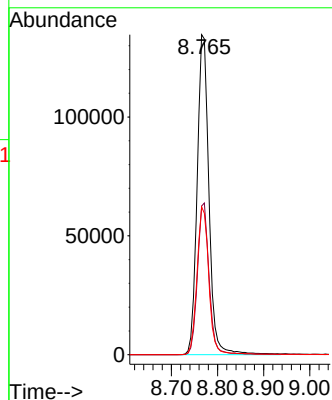
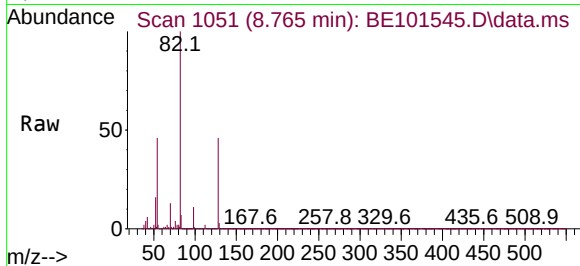




#23
Nitrobenzene-d5
Concen: 104.069 ng
RT: 8.765 min Scan# 1051
Delta R.T. -0.008 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

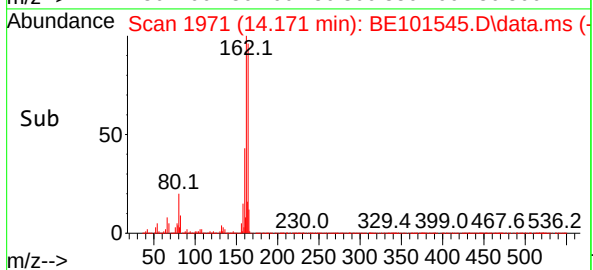
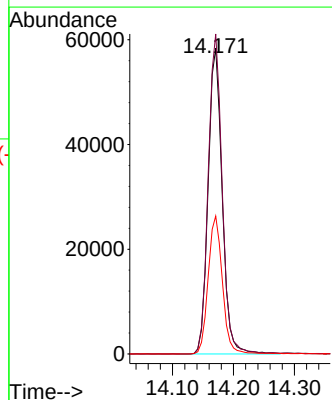
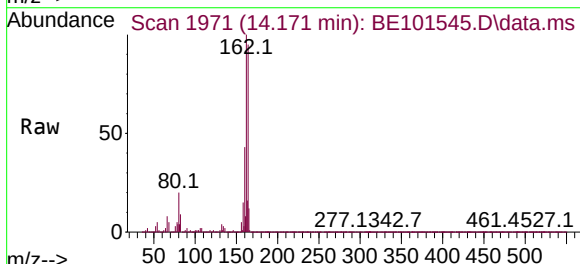
Instrument :
BNA_E
ClientSampleId :
PB164750BL

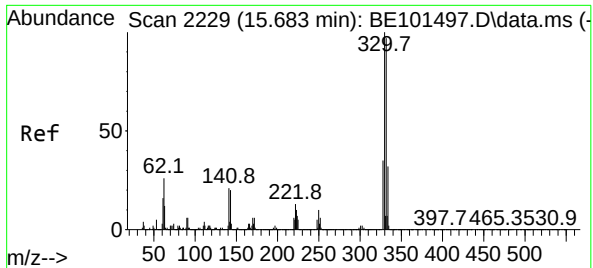
Tgt Ion: 82 Resp: 239194
Ion Ratio Lower Upper
82 100
128 46.5 38.6 58.0
54 46.2 36.3 54.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.171 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

Tgt Ion: 164 Resp: 93474
Ion Ratio Lower Upper
164 100
162 104.7 83.7 125.5
160 45.1 37.1 55.7

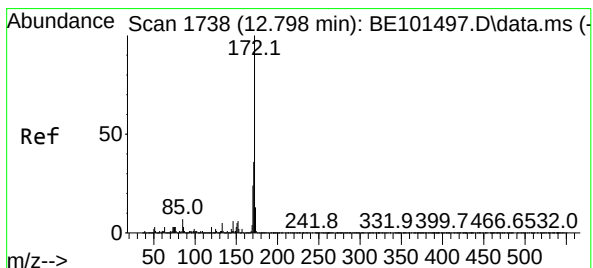
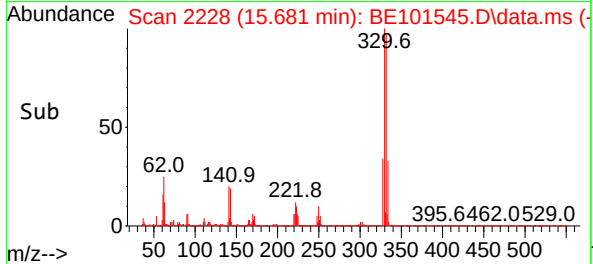
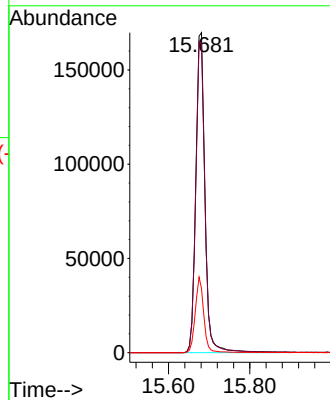
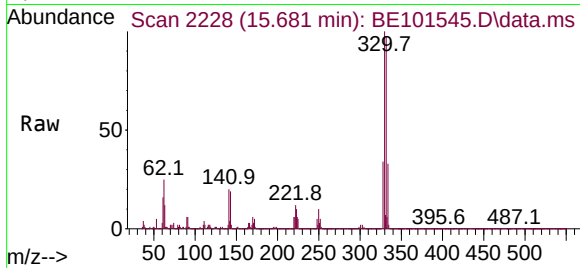




#42
2,4,6-Tribromophenol
Concen: 152.717 ng
RT: 15.681 min Scan# 21
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

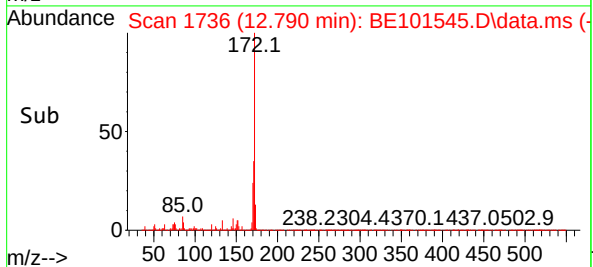
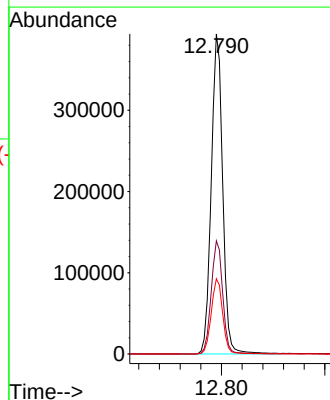
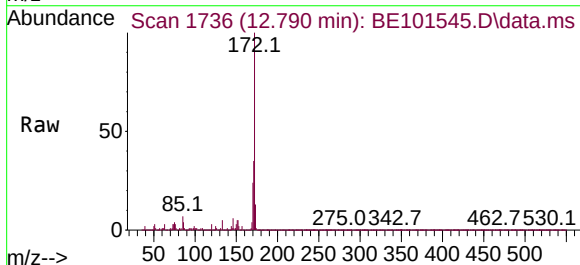
Instrument :
BNA_E
ClientSampleId :
PB164750BL

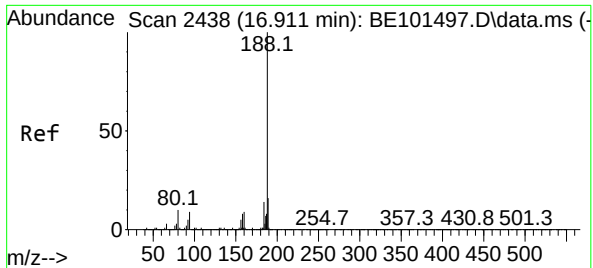
Tgt Ion:330 Resp: 268613
Ion Ratio Lower Upper
330 100
332 97.0 77.7 116.5
141 21.9 17.0 25.4



#45
2-Fluorobiphenyl
Concen: 105.473 ng
RT: 12.790 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

Tgt Ion:172 Resp: 603810
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.5 18.9 28.3

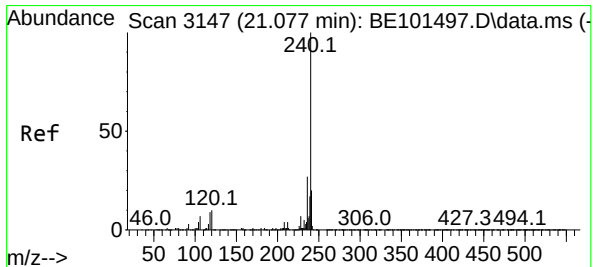
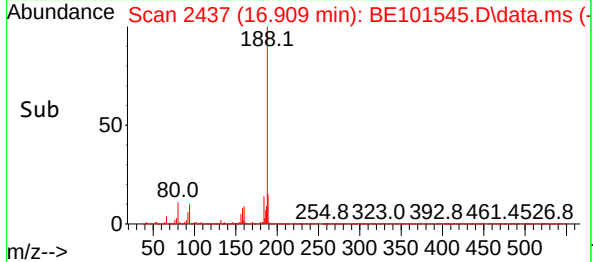
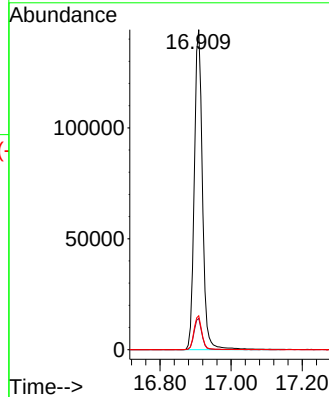
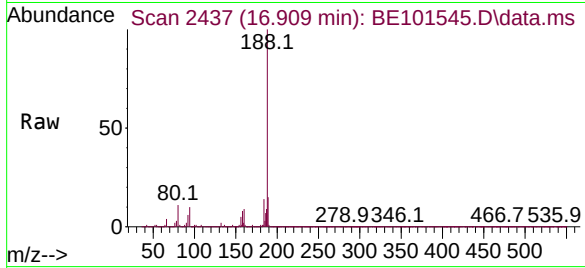




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.909 min Scan# 2437
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

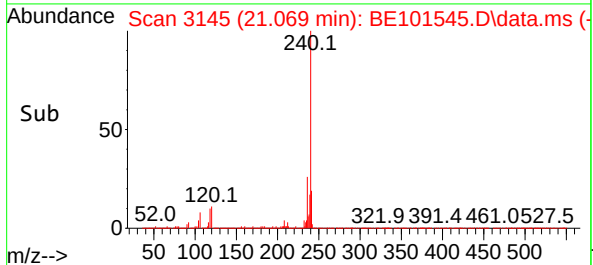
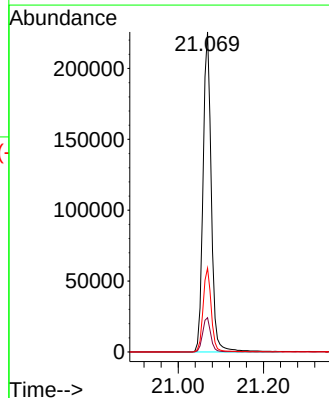
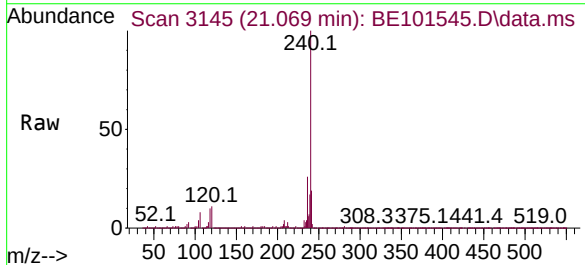
Instrument :
BNA_E
ClientSampleId :
PB164750BL

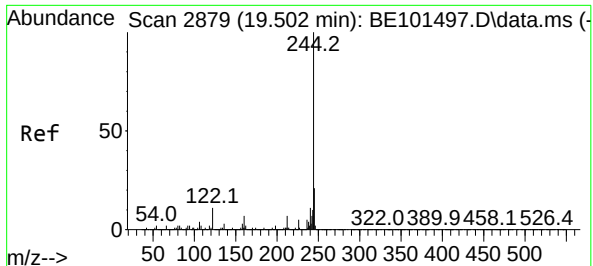
Tgt Ion:188 Resp: 229842
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.2
80 10.6 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.069 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

Tgt Ion:240 Resp: 301745
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.4
236 26.2 21.4 32.2

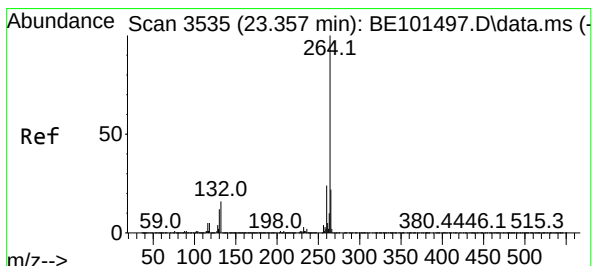
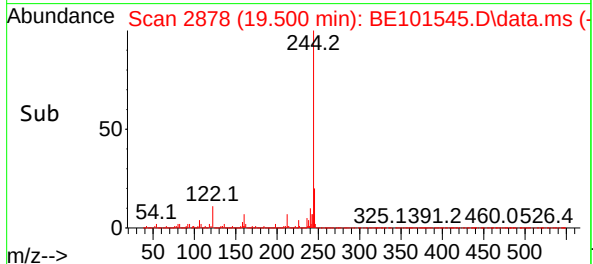
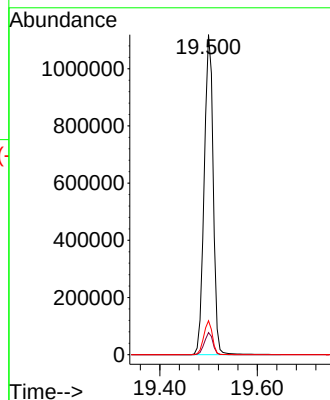
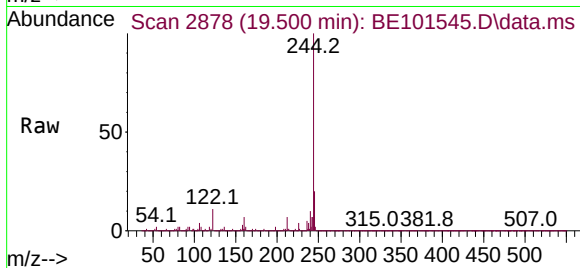




#79
Terphenyl-d14
Concen: 104.916 ng
RT: 19.500 min Scan# 21
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

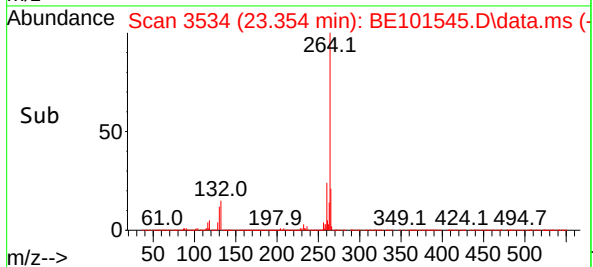
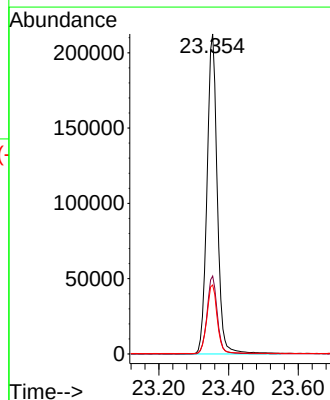
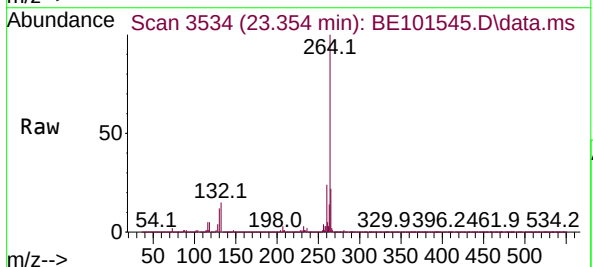
Instrument :
BNA_E
ClientSampleId :
PB164750BL

Tgt Ion:244 Resp: 1430172
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.6 8.4 12.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.354 min Scan# 3534
Delta R.T. -0.002 min
Lab File: BE101545.D
Acq: 8 Nov 2024 10:51

Tgt Ion:264 Resp: 434243
Ion Ratio Lower Upper
264 100
260 24.3 19.4 29.2
265 21.5 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BE101545.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.776	368	372	386	rBV	78306	127628	3.54%	0.962%
2	5.311	456	463	489	rBV	637933	1086917	30.14%	8.193%
3	6.938	733	740	778	rBV	572137	1101458	30.55%	8.303%
4	7.555	839	845	858	rBV	117425	192549	5.34%	1.451%
5	8.765	1043	1051	1072	rBV	379365	678248	18.81%	5.113%
6	10.328	1309	1317	1334	rBV	151020	281898	7.82%	2.125%
7	12.790	1728	1736	1759	rBV	1114358	1711360	47.46%	12.900%
8	14.171	1964	1971	1986	rBV	247860	397095	11.01%	2.993%
9	15.675	2218	2227	2266	rBV	1044614	1624255	45.05%	12.244%
10	16.909	2430	2437	2450	rBV	343082	537705	14.91%	4.053%
11	19.500	2872	2878	2896	rBV	2879895	3605651	100.00%	27.179%
12	21.069	3139	3145	3155	rBV	609639	818377	22.70%	6.169%
13	23.354	3526	3534	3542	rBV2	544469	1103114	30.59%	8.315%

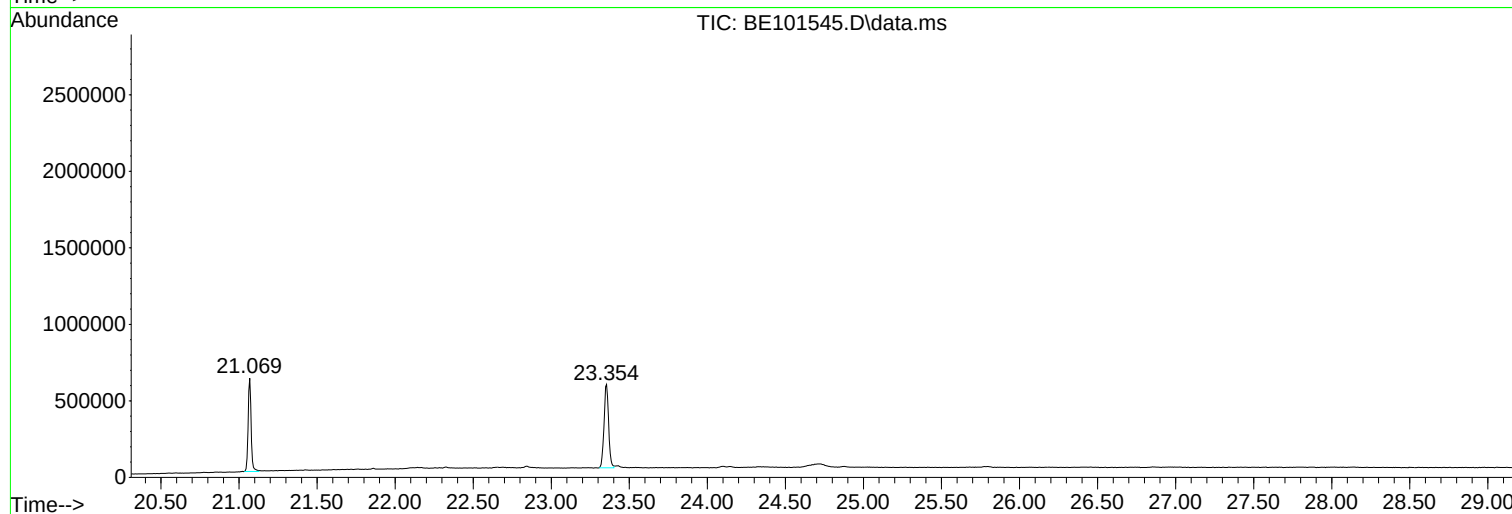
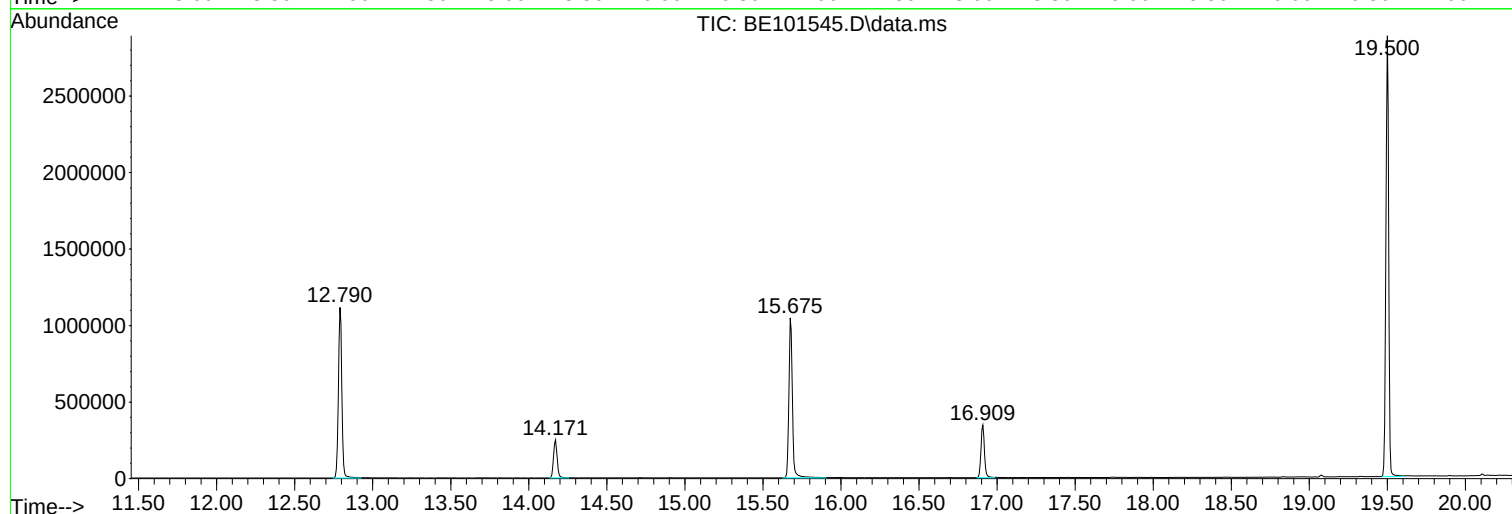
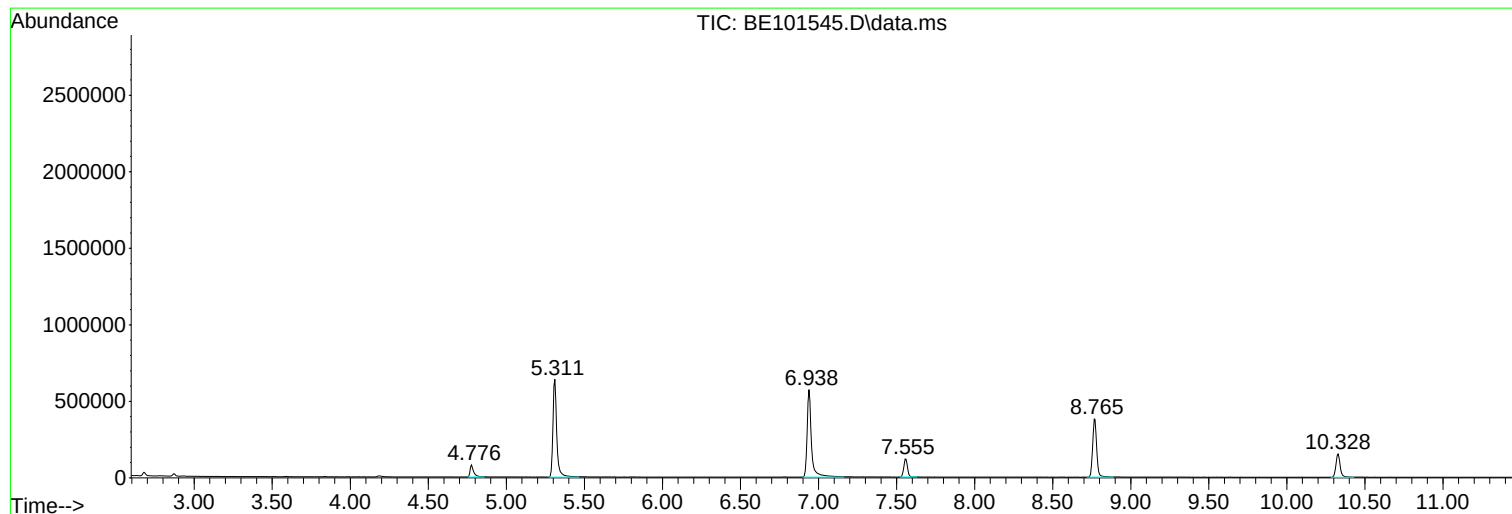
Sum of corrected areas: 13266255

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

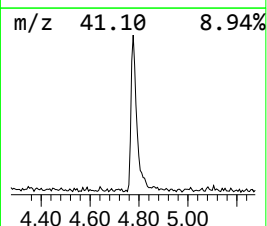
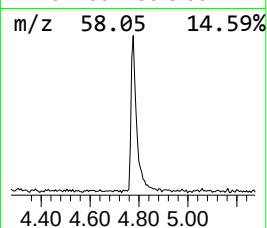
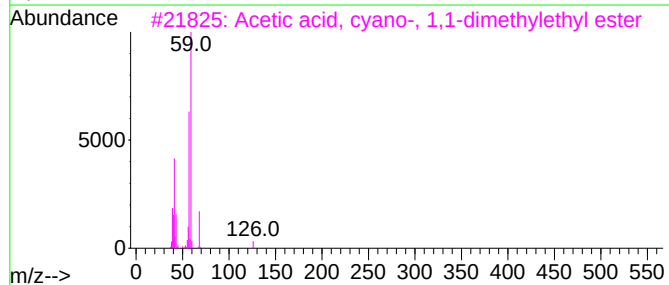
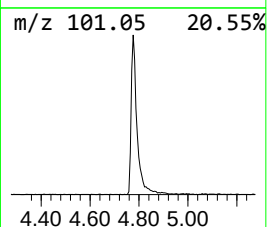
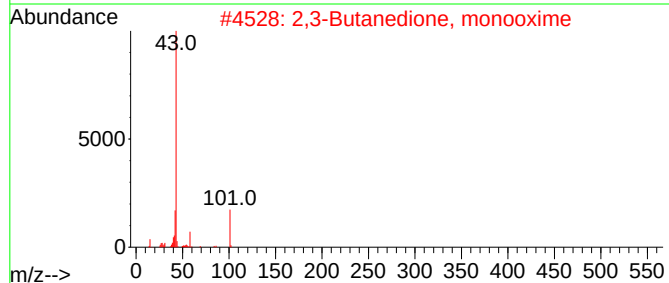
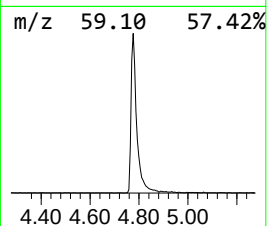
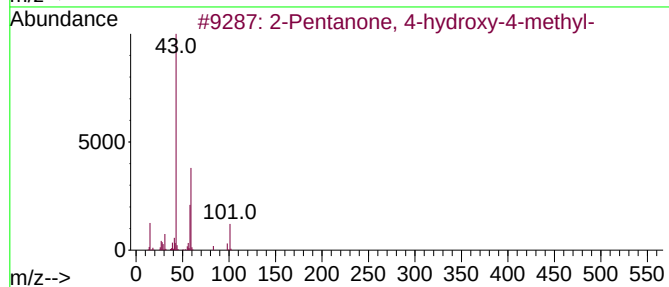
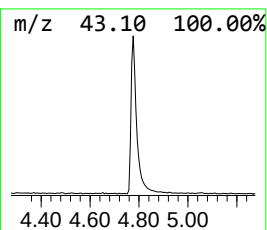
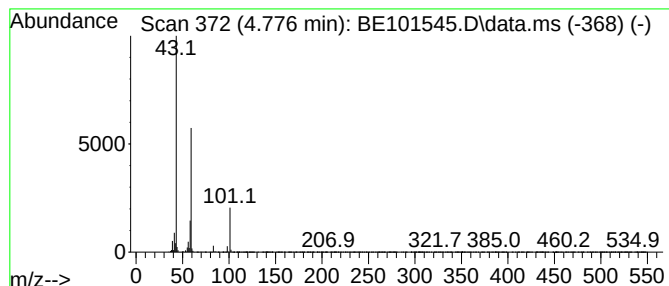
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.776	13.26 ng	127628	1,4-Dichlorobenzene-d4	7.555

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110824\
Data File : BE101545.D
Acq On : 8 Nov 2024 10:51
Operator : RC/JU
Sample : PB164750BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164750BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.776	13.3	ng	127628	1	7.555	192549	20.0

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:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	240	J	180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1400		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1300		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1200		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	170	ug/Kg
91-20-3	Naphthalene	1300		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	1300		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	170	ug/Kg
105-60-2	Caprolactam	1300		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1300		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

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:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1200		89.2	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1400		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.6	170	ug/Kg
86-73-7	Fluorene	1300		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1400		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1400		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	170	ug/Kg
218-01-9	Chrysene	1400		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81.1	170	ug/Kg

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:	PB164750BS	SDG No.:	P4722
Lab Sample ID:	PB164750BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140288.D	1	11/07/24 09:20	11/08/24 10:28	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1000		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	114		18 - 112	76%	SPK: 150
13127-88-3	Phenol-d6	112		15 - 107	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.4		18 - 107	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.1		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	84.5		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	196000	6.881			
1146-65-2	Naphthalene-d8	766000	8.157			
15067-26-2	Acenaphthene-d10	474000	9.922			
1517-22-2	Phenanthrene-d10	882000	11.41			
1719-03-5	Chrysene-d12	554000	14.063			
1520-96-3	Perylene-d12	455000	15.562			

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 : BF140288.D
 Acq On : 08 Nov 2024 10:28
 Operator : RC/JU
 Sample : PB164750BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164750BS

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 11:05:18 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	195639	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	765547	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	473510	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	882492	20.000	ng	0.00
76) Chrysene-d12	14.063	240	554441	20.000	ng	0.00
86) Perylene-d12	15.562	264	455207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1350884	114.430	ng	0.02
7) Phenol-d6	6.510	99	1707980	112.481	ng	0.00
23) Nitrobenzene-d5	7.445	82	1176601	76.414	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	676037	144.440	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2226512	75.084	ng	0.00
79) Terphenyl-d14	12.998	244	2859948	84.499	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.751	88	162998	30.032	ng	96
3) Pyridine	3.498	79	445970	33.675	ng	95
4) n-Nitrosodimethylamine	3.457	42	274935	35.958	ng	90
6) Aniline	6.539	93	648715	47.287	ng	92
8) 2-Chlorophenol	6.663	128	528701	42.803	ng	95
9) Benzaldehyde	6.428	77	67892	7.258	ng	94
10) Phenol	6.528	94	668118	41.429	ng	94
11) bis(2-Chloroethyl)ether	6.616	93	503595	41.107	ng	96
12) 1,3-Dichlorobenzene	6.822	146	559655	38.664	ng	98
13) 1,4-Dichlorobenzene	6.898	146	567610	38.881	ng	98
14) 1,2-Dichlorobenzene	7.045	146	546411	40.074	ng	99
15) Benzyl Alcohol	7.016	79	499648	42.685	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	782413	39.455	ng	98
17) 2-Methylphenol	7.128	107	434126	42.132	ng	99
18) Hexachloroethane	7.392	117	212125	39.008	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	393754	40.647	ng	96
20) 3+4-Methylphenols	7.281	107	533406	41.218	ng	97
22) Acetophenone	7.286	105	719910	37.929	ng	97
24) Nitrobenzene	7.463	77	589350	36.477	ng	96
25) Isophorone	7.698	82	1076954	40.620	ng	99
26) 2-Nitrophenol	7.775	139	281854	43.855	ng	96
27) 2,4-Dimethylphenol	7.810	122	436796	49.957	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	630073	39.712	ng	99
29) 2,4-Dichlorophenol	8.016	162	459059	42.440	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	490581	37.849	ng	99
31) Naphthalene	8.181	128	1536642	38.871	ng	100
32) Benzoic acid	7.939	122	318810	44.431	ng	96
33) 4-Chloroaniline	8.228	127	515740	39.629	ng	97
34) Hexachlorobutadiene	8.298	225	337982	38.524	ng	99
35) Caprolactam	8.610	113	131452m	39.949	ng	
36) 4-Chloro-3-methylphenol	8.710	107	518752	43.075	ng	97
37) 2-Methylnaphthalene	8.869	142	1051398	40.752	ng	99
38) 1-Methylnaphthalene	8.969	142	974624	38.541	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	528119	38.098	ng	99
41) Hexachlorocyclopentadiene	9.028	237	641602	165.176	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	369763	43.045	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140288.D
 Acq On : 08 Nov 2024 10:28
 Operator : RC/JU
 Sample : PB164750BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164750BS

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 11:05:18 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	9.198	196	371986	41.185	ng	98
46) 1,1'-Biphenyl	9.339	154	1294320	37.817	ng	100
47) 2-Chloronaphthalene	9.363	162	970176	37.662	ng	100
48) 2-Nitroaniline	9.463	65	345821	40.142	ng	92
49) Acenaphthylene	9.780	152	1541359	42.263	ng	99
50) Dimethylphthalate	9.645	163	1234962	42.349	ng	100
51) 2,6-Dinitrotoluene	9.704	165	282787	41.254	ng	96
52) Acenaphthene	9.957	154	1173915	45.381	ng	99
53) 3-Nitroaniline	9.875	138	239845	37.159	ng	95
54) 2,4-Dinitrophenol	9.986	184	324620	95.234	ng	87
55) Dibenzofuran	10.127	168	1452145	40.145	ng	98
56) 4-Nitrophenol	10.039	139	426153	93.901	ng	98
57) 2,4-Dinitrotoluene	10.116	165	380332	42.757	ng	97
58) Fluorene	10.475	166	1149420	39.919	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	350955	47.432	ng	95
60) Diethylphthalate	10.351	149	1226888	42.337	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	585618	40.355	ng	96
62) 4-Nitroaniline	10.498	138	286478	44.663	ng	95
63) Azobenzene	10.622	77	1209988	40.279	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	233285	50.332	ng	91
66) n-Nitrosodiphenylamine	10.586	169	1025499	40.403	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	399731	42.064	ng	96
68) Hexachlorobenzene	11.022	284	447314	41.295	ng	95
69) Atrazine	11.110	200	332139	47.829	ng	98
70) Pentachlorophenol	11.216	266	541719	93.134	ng	98
71) Phenanthrene	11.439	178	1745451	41.444	ng	100
72) Anthracene	11.492	178	1767910	42.809	ng	100
73) Carbazole	11.645	167	1547770	41.017	ng	100
74) Di-n-butylphthalate	11.969	149	1902404	42.591	ng	99
75) Fluoranthene	12.627	202	1842695	41.844	ng	100
77) Benzidine	12.745	184	485628	44.798	ng	99
78) Pyrene	12.857	202	1874116	40.939	ng	100
80) Butylbenzylphthalate	13.474	149	750677	45.539	ng	94
81) Benzo(a)anthracene	14.051	228	1497295	42.081	ng	100
82) 3,3'-Dichlorobenzidine	14.015	252	449354	40.215	ng	99
83) Chrysene	14.092	228	1402669	42.096	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	1033489	44.733	ng	99
85) Di-n-octyl phthalate	14.662	149	1560464	44.874	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	1169241	43.758	ng	99
88) Benzo(b)fluoranthene	15.121	252	1214774	44.118	ng	100
89) Benzo(k)fluoranthene	15.157	252	1073254	42.478	ng	99
90) Benzo(a)pyrene	15.498	252	1045593	46.058	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	946410	43.051	ng	99
92) Benzo(g,h,i)perylene	17.539	276	875549	39.042	ng	99

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

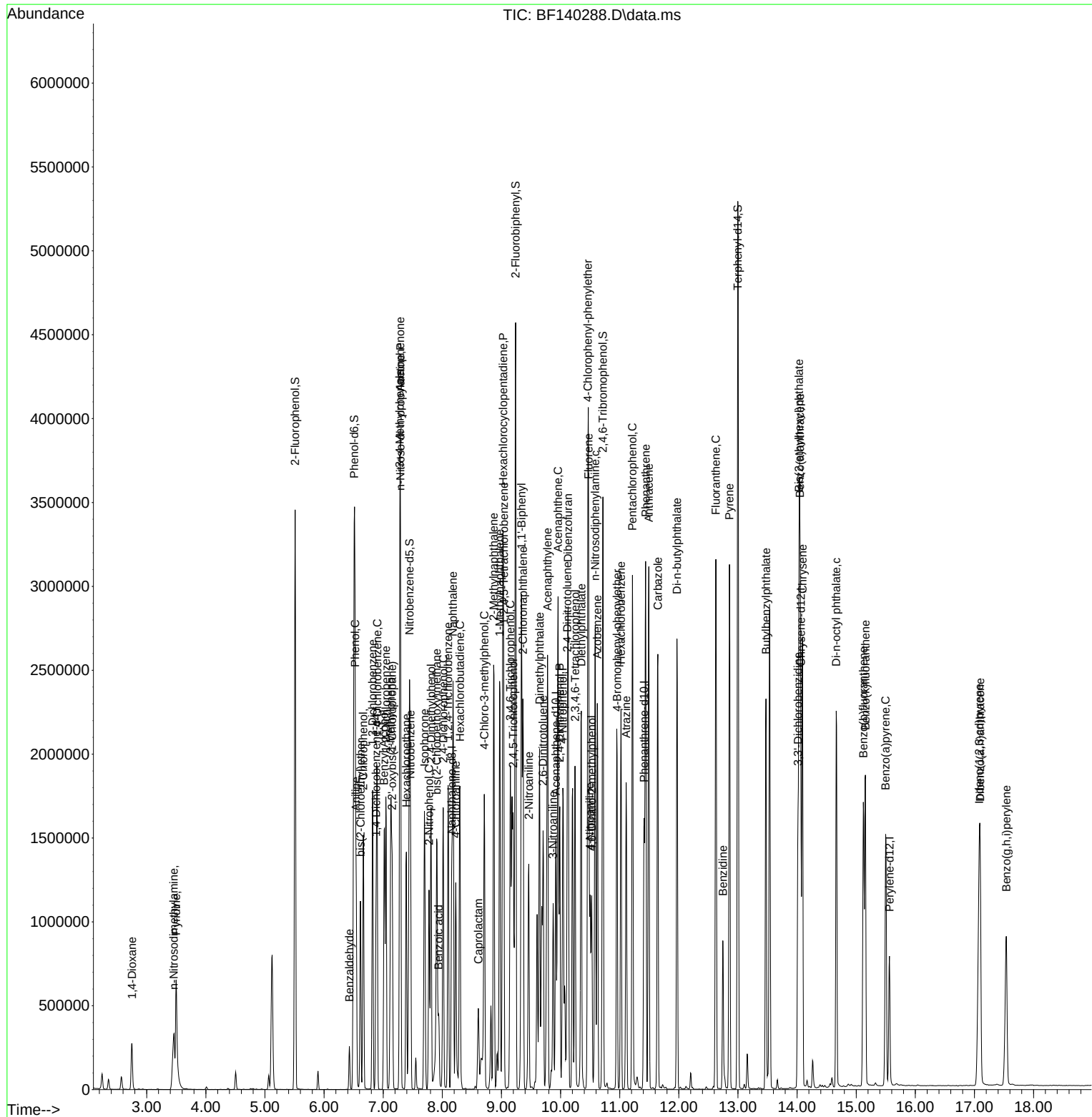
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140288.D
 Acq On : 08 Nov 2024 10:28
 Operator : RC/JU
 Sample : PB164750BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB164750BS

Manual Integrations APPROVED

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

Quant Time: Nov 08 11:05:18 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



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:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220		120	220	ug/Kg
108-95-2	Phenol	1100		54.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		54.9	110	ug/Kg
95-57-8	2-Chlorophenol	1200		54.8	110	ug/Kg
95-48-7	2-Methylphenol	1100		52.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		59.6	110	ug/Kg
98-86-2	Acetophenone	1100		57.0	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		52.3	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		26.4	52.5	ug/Kg
67-72-1	Hexachloroethane	1000		54.4	110	ug/Kg
98-95-3	Nitrobenzene	1000		59.5	110	ug/Kg
78-59-1	Isophorone	1100		55.5	110	ug/Kg
88-75-5	2-Nitrophenol	1200		62.0	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		61.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		49.5	110	ug/Kg
91-20-3	Naphthalene	1100		54.2	110	ug/Kg
106-47-8	4-Chloroaniline	360		54.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		54.6	110	ug/Kg
105-60-2	Caprolactam	1200		56.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1400		100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		46.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		48.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		57.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.6	110	ug/Kg
88-74-4	2-Nitroaniline	1100		62.3	110	ug/Kg
131-11-3	Dimethylphthalate	1200		53.6	110	ug/Kg

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:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		56.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.6	110	ug/Kg
99-09-2	3-Nitroaniline	660		58.5	110	ug/Kg
83-32-9	Acenaphthene	1100		53.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		160	220	ug/Kg
100-02-7	4-Nitrophenol	2400	E	76.1	220	ug/Kg
132-64-9	Dibenzofuran	1100		55.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		56.5	110	ug/Kg
84-66-2	Diethylphthalate	1100		52.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.1	110	ug/Kg
86-73-7	Fluorene	1100		56.1	110	ug/Kg
100-01-6	4-Nitroaniline	950		70.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	710		76.7	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		53.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		51.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		55.7	110	ug/Kg
1912-24-9	Atrazine	1600		59.9	110	ug/Kg
87-86-5	Pentachlorophenol	2300	E	50.7	220	ug/Kg
85-01-8	Phenanthrene	1200		55.1	110	ug/Kg
120-12-7	Anthracene	1200		55.3	110	ug/Kg
86-74-8	Carbazole	1200		52.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.3	110	ug/Kg
206-44-0	Fluoranthene	1100		53.6	110	ug/Kg
129-00-0	Pyrene	990		54.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		64.7	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		52.9	110	ug/Kg
218-01-9	Chrysene	1200		52.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		59.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.1	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		53.2	110	ug/Kg

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:	11/06/24
Client Sample ID:	TP2MS	SDG No.:	P4722
Lab Sample ID:	P4737-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140300.D	1	11/07/24 09:20	11/08/24 15:51	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.0	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		51.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		53.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	950		52.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		56.9	110	ug/Kg
123-91-1	1,4-Dioxane	1000		72.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.0	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	95.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	94.5		15 - 107	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.7		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.6		20 - 109	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	98.0		10 - 116	65%	SPK: 150
1718-51-0	Terphenyl-d14	57.2		10 - 105	57%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.875			
1146-65-2	Naphthalene-d8	452000	8.157			
15067-26-2	Acenaphthene-d10	247000	9.916			
1517-22-2	Phenanthrene-d10	381000	11.41			
1719-03-5	Chrysene-d12	271000	14.063			
1520-96-3	Perylene-d12	206000	15.563			

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 : BF140300.D
 Acq On : 08 Nov 2024 15:51
 Operator : RC/JU
 Sample : P4737-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2MS

Quant Time: Nov 08 16:15:37 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	122176	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	451887	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	246982	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	380764	20.000	ng	0.00
76) Chrysene-d12	14.063	240	270987	20.000	ng	0.00
86) Perylene-d12	15.563	264	205942	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	700109	94.964	ng	0.01
7) Phenol-d6	6.504	99	895699	94.456	ng	0.00
23) Nitrobenzene-d5	7.440	82	578872	63.690	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	239244	97.999	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1045867	67.618	ng	0.00
79) Terphenyl-d14	12.992	244	945918	57.181	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.722	88	158101	46.645	ng	96
3) Pyridine	3.475	79	397817	48.102	ng	95
4) n-Nitrosodimethylamine	3.434	42	220146	46.105	ng	91
6) Aniline	6.540	93	267246	31.194	ng	99
8) 2-Chlorophenol	6.663	128	410836	53.260	ng	93
9) Benzaldehyde	6.428	77	58571	10.027	ng	97
10) Phenol	6.522	94	516640	51.299	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	383306	50.101	ng	97
12) 1,3-Dichlorobenzene	6.822	146	448178	49.580	ng	97
13) 1,4-Dichlorobenzene	6.898	146	453116	49.701	ng	98
14) 1,2-Dichlorobenzene	7.045	146	426506	50.089	ng	98
15) Benzyl Alcohol	7.016	79	378348	51.757	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	582952	47.073	ng	99
17) 2-Methylphenol	7.128	107	332538	51.678	ng	98
18) Hexachloroethane	7.387	117	154866	45.603	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	289433	47.844	ng	96
20) 3+4-Methylphenols	7.281	107	418715	51.811	ng	94
22) Acetophenone	7.287	105	552704	49.332	ng	# 94
24) Nitrobenzene	7.457	77	450300	47.216	ng	96
25) Isophorone	7.698	82	778128	49.721	ng	98
26) 2-Nitrophenol	7.775	139	208945	55.077	ng	95
27) 2,4-Dimethylphenol	7.810	122	325024	62.976	ng	96
28) bis(2-Chloroethoxy)met...	7.904	93	467095	49.875	ng	100
29) 2,4-Dichlorophenol	8.016	162	338047	52.946	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	366920	47.957	ng	99
31) Naphthalene	8.181	128	1156654	49.568	ng	100
32) Benzoic acid	7.922	122	208184	49.152	ng	94
33) 4-Chloroaniline	8.228	127	125415	16.326	ng	96
34) Hexachlorobutadiene	8.298	225	247712	47.833	ng	99
35) Caprolactam	8.598	113	104960	54.039	ng	91
36) 4-Chloro-3-methylphenol	8.710	107	366473	51.552	ng	96
37) 2-Methylnaphthalene	8.869	142	775289	50.908	ng	98
38) 1-Methylnaphthalene	8.969	142	713780	47.817	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	382270	52.870	ng	99
41) Hexachlorocyclopentadiene	9.022	237	132952	65.621	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	249353	55.652	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140300.D
 Acq On : 08 Nov 2024 15:51
 Operator : RC/JU
 Sample : P4737-01MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2MS

Quant Time: Nov 08 16:15:37 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	9.198	196	248178	52.679	ng	95
46) 1,1'-Biphenyl	9.339	154	936056	52.433	ng	99
47) 2-Chloronaphthalene	9.363	162	690662	51.402	ng	99
48) 2-Nitroaniline	9.457	65	233686	52.005	ng	93
49) Acenaphthylene	9.781	152	1062446	55.851	ng	99
50) Dimethylphthalate	9.639	163	833504	54.797	ng	99
51) 2,6-Dinitrotoluene	9.704	165	182813	51.131	ng	91
52) Acenaphthene	9.951	154	708248	52.491	ng	98
53) 3-Nitroaniline	9.869	138	100921	29.977	ng	96
54) 2,4-Dinitrophenol	9.981	184	81913	49.236	ng	# 84
55) Dibenzofuran	10.128	168	976792	51.771	ng	98
56) 4-Nitrophenol	10.034	139	258646	109.264	ng	94
57) 2,4-Dinitrotoluene	10.110	165	238431	51.389	ng	92
58) Fluorene	10.469	166	741248	49.354	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	210039	54.424	ng	93
60) Diethylphthalate	10.339	149	783580	51.840	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	378973	50.067	ng	98
62) 4-Nitroaniline	10.486	138	145963	43.628	ng	93
63) Azobenzene	10.622	77	829596	52.945	ng	93
65) 4,6-Dinitro-2-methylph...	10.516	198	64826	32.416	ng	94
66) n-Nitrosodiphenylamine	10.581	169	651683	59.507	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	231494	56.459	ng	97
68) Hexachlorobenzene	11.016	284	249274	53.336	ng	98
69) Atrazine	11.104	200	215490	71.921	ng	98
70) Pentachlorophenol	11.216	266	267686	106.663	ng	98
71) Phenanthrene	11.433	178	976581	53.743	ng	99
72) Anthracene	11.486	178	989010	55.505	ng	99
73) Carbazole	11.639	167	858960	52.758	ng	99
74) Di-n-butylphthalate	11.969	149	1030190	53.455	ng	99
75) Fluoranthene	12.627	202	982217	51.694	ng	99
77) Benzidine	12.745	184	397047	74.939	ng	98
78) Pyrene	12.857	202	1018283	45.510	ng	99
80) Butylbenzylphthalate	13.474	149	387177	48.056	ng	94
81) Benzo(a)anthracene	14.051	228	931505	53.563	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	278505	50.996	ng	100
83) Chrysene	14.086	228	858184	52.696	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	522412	46.264	ng	99
85) Di-n-octyl phthalate	14.669	149	858271	50.498	ng	96
87) Indeno(1,2,3-cd)pyrene	17.074	276	594174	49.151	ng	98
88) Benzo(b)fluoranthene	15.121	252	742807	59.630	ng	99
89) Benzo(k)fluoranthene	15.151	252	626132	54.777	ng	100
90) Benzo(a)pyrene	15.498	252	605429	58.948	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	476607	47.921	ng	100
92) Benzo(g,h,i)perylene	17.533	276	439502	43.319	ng	99

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

Instrument :
BNA_F
ClientSampleId :
TP2MS

[illegible]

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:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	230		120	220	ug/Kg
108-95-2	Phenol	1200		54.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		54.9	110	ug/Kg
95-57-8	2-Chlorophenol	1200		54.7	110	ug/Kg
95-48-7	2-Methylphenol	1200		52.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		59.6	110	ug/Kg
98-86-2	Acetophenone	1100		57.0	110	ug/Kg
65794-96-9	3+4-Methylphenols	1200		52.3	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		26.4	52.4	ug/Kg
67-72-1	Hexachloroethane	1000		54.4	110	ug/Kg
98-95-3	Nitrobenzene	1100		59.5	110	ug/Kg
78-59-1	Isophorone	1100		55.5	110	ug/Kg
88-75-5	2-Nitrophenol	1200		61.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		61.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		56.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		49.5	110	ug/Kg
91-20-3	Naphthalene	1100		54.1	110	ug/Kg
106-47-8	4-Chloroaniline	390		54.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		54.6	110	ug/Kg
105-60-2	Caprolactam	1100		56.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		54.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		100	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		46.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		48.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1200		57.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		54.6	110	ug/Kg
88-74-4	2-Nitroaniline	1200		62.3	110	ug/Kg
131-11-3	Dimethylphthalate	1200		53.6	110	ug/Kg

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:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1200		56.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		54.5	110	ug/Kg
99-09-2	3-Nitroaniline	670		58.5	110	ug/Kg
83-32-9	Acenaphthene	1200		53.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		160	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	76.0	220	ug/Kg
132-64-9	Dibenzofuran	1200		55.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		56.5	110	ug/Kg
84-66-2	Diethylphthalate	1200		52.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		56.1	110	ug/Kg
86-73-7	Fluorene	1100		56.0	110	ug/Kg
100-01-6	4-Nitroaniline	970		70.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	800		76.7	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1300		53.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		51.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1200		55.7	110	ug/Kg
1912-24-9	Atrazine	1600		59.9	110	ug/Kg
87-86-5	Pentachlorophenol	2400	E	50.7	220	ug/Kg
85-01-8	Phenanthrene	1200		55.1	110	ug/Kg
120-12-7	Anthracene	1200		55.3	110	ug/Kg
86-74-8	Carbazole	1200		52.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		55.3	110	ug/Kg
206-44-0	Fluoranthene	1200		53.6	110	ug/Kg
129-00-0	Pyrene	1000		54.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		63.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		64.6	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		52.9	110	ug/Kg
218-01-9	Chrysene	1200		52.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		59.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		72.1	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		53.2	110	ug/Kg

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:	11/06/24
Client Sample ID:	TP2MSD	SDG No.:	P4722
Lab Sample ID:	P4737-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BF140301.D	1	11/07/24 09:20	11/08/24 16:17	PB164750

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1200		54.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		61.0	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		51.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		53.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	980		52.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		56.9	110	ug/Kg
123-91-1	1,4-Dioxane	1100		72.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		49.0	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	97.6		15 - 107	65%	SPK: 150
4165-60-0	Nitrobenzene-d5	65.0		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	100		10 - 116	67%	SPK: 150
1718-51-0	Terphenyl-d14	59.5		10 - 105	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.875			
1146-65-2	Naphthalene-d8	449000	8.157			
15067-26-2	Acenaphthene-d10	245000	9.916			
1517-22-2	Phenanthrene-d10	383000	11.41			
1719-03-5	Chrysene-d12	272000	14.063			
1520-96-3	Perylene-d12	210000	15.568			

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 : BF140301.D
 Acq On : 08 Nov 2024 16:17
 Operator : RC/JU
 Sample : P4737-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2MSD

Quant Time: Nov 08 16:48:50 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	119710	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	448822	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	245092	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	382682	20.000	ng	0.00
76) Chrysene-d12	14.063	240	271857	20.000	ng	0.00
86) Perylene-d12	15.568	264	209874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	707023	97.877	ng	0.01
7) Phenol-d6	6.504	99	907237	97.644	ng	0.00
23) Nitrobenzene-d5	7.440	82	586573	64.978	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	243042	100.323	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1061614	69.165	ng	0.00
79) Terphenyl-d14	12.998	244	987187	59.485	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.722	88	160220	48.244	ng	96
3) Pyridine	3.475	79	404702	49.942	ng	94
4) n-Nitrosodimethylamine	3.434	42	221005	47.239	ng	90
6) Aniline	6.540	93	282537	33.658	ng	99
8) 2-Chlorophenol	6.663	128	415790	55.012	ng	93
9) Benzaldehyde	6.428	77	59185	10.341	ng	94
10) Phenol	6.522	94	525062	53.209	ng	93
11) bis(2-Chloroethyl)ether	6.610	93	390458	52.087	ng	97
12) 1,3-Dichlorobenzene	6.822	146	452119	51.046	ng	97
13) 1,4-Dichlorobenzene	6.898	146	456247	51.075	ng	99
14) 1,2-Dichlorobenzene	7.045	146	437197	52.402	ng	97
15) Benzyl Alcohol	7.016	79	382038	53.338	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	596260	49.140	ng	98
17) 2-Methylphenol	7.128	107	336623	53.390	ng	98
18) Hexachloroethane	7.392	117	158006	47.486	ng	97
19) n-Nitroso-di-n-propyla...	7.287	70	295664	49.881	ng	96
20) 3+4-Methylphenols	7.281	107	417440	52.717	ng	96
22) Acetophenone	7.287	105	562225	50.524	ng	94
24) Nitrobenzene	7.457	77	458829	48.439	ng	97
25) Isophorone	7.698	82	790520	50.858	ng	98
26) 2-Nitrophenol	7.775	139	213989	56.792	ng	96
27) 2,4-Dimethylphenol	7.810	122	331546	64.678	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	478264	51.416	ng	100
29) 2,4-Dichlorophenol	8.016	162	346357	54.617	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	373131	49.102	ng	98
31) Naphthalene	8.181	128	1177194	50.793	ng	100
32) Benzoic acid	7.922	122	215983	51.341	ng	93
33) 4-Chloroaniline	8.228	127	134686	17.652	ng	96
34) Hexachlorobutadiene	8.298	225	250291	48.661	ng	100
35) Caprolactam	8.598	113	100532	52.113	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	369630	52.351	ng	96
37) 2-Methylnaphthalene	8.869	142	788546	52.132	ng	99
38) 1-Methylnaphthalene	8.969	142	724494	48.867	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	388187	54.102	ng	98
41) Hexachlorocyclopentadiene	9.022	237	140584	69.923	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	258151	58.060	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
 Data File : BF140301.D
 Acq On : 08 Nov 2024 16:17
 Operator : RC/JU
 Sample : P4737-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2MSD

Quant Time: Nov 08 16:48:50 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	9.198	196	251975	53.898	ng	96
46) 1,1'-Biphenyl	9.339	154	942328	53.192	ng	100
47) 2-Chloronaphthalene	9.363	162	698040	52.352	ng	99
48) 2-Nitroaniline	9.457	65	239264	53.657	ng	94
49) Acenaphthylene	9.781	152	1079221	57.170	ng	99
50) Dimethylphthalate	9.639	163	839973	55.648	ng	100
51) 2,6-Dinitrotoluene	9.704	165	186666	52.611	ng	92
52) Acenaphthene	9.951	154	721934	53.918	ng	98
53) 3-Nitroaniline	9.869	138	102769	30.761	ng	96
54) 2,4-Dinitrophenol	9.981	184	87575	52.571	ng	# 85
55) Dibenzofuran	10.128	168	1000456	53.434	ng	97
56) 4-Nitrophenol	10.034	139	269861	114.880	ng	93
57) 2,4-Dinitrotoluene	10.110	165	243593	52.907	ng	92
58) Fluorene	10.469	166	755037	50.660	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	211093	55.118	ng	95
60) Diethylphthalate	10.339	149	806545	53.771	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	390395	51.974	ng	97
62) 4-Nitroaniline	10.486	138	147319	44.373	ng	93
63) Azobenzene	10.622	77	843817	54.268	ng	94
65) 4,6-Dinitro-2-methylph...	10.516	198	73274	36.457	ng	92
66) n-Nitrosodiphenylamine	10.581	169	661174	60.071	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	237645	57.669	ng	97
68) Hexachlorobenzene	11.022	284	254423	54.165	ng	93
69) Atrazine	11.104	200	219876	73.017	ng	98
70) Pentachlorophenol	11.216	266	280367	111.156	ng	98
71) Phenanthrene	11.433	178	993889	54.421	ng	99
72) Anthracene	11.486	178	1011935	56.507	ng	99
73) Carbazole	11.639	167	881409	53.866	ng	99
74) Di-n-butylphthalate	11.969	149	1046068	54.007	ng	99
75) Fluoranthene	12.627	202	1021638	53.499	ng	99
77) Benzidine	12.745	184	432175	81.308	ng	99
78) Pyrene	12.857	202	1053558	46.936	ng	99
80) Butylbenzylphthalate	13.474	149	409683	50.687	ng	93
81) Benzo(a)anthracene	14.051	228	953468	54.651	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	290667	53.053	ng	99
83) Chrysene	14.092	228	894365	54.742	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	544158	48.036	ng	99
85) Di-n-octyl phthalate	14.668	149	893074	52.378	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	620206	50.343	ng	98
88) Benzo(b)fluoranthene	15.127	252	784745	61.816	ng	100
89) Benzo(k)fluoranthene	15.157	252	622046	53.400	ng	100
90) Benzo(a)pyrene	15.504	252	619573	59.195	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	507411	50.062	ng	100
92) Benzo(g,h,i)perylene	17.539	276	462817	44.762	ng	99

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

Instrument :
BNA_F
ClientSampleId :
TP2MSD

[illegible]

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

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

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

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

Manual Integration Report

Sequence:

BF110724

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4722-13	BF140280.D	Benzo(b)fluoranthene	yogesh	11/8/2024 3:37:53 AM	mohammad	11/11/2024 12:23:52 AM	Peak Integrated by Software
P4722-13	BF140280.D	Benzo(k)fluoranthene	yogesh	11/8/2024 3:37:53 AM	mohammad	11/11/2024 12:23:52 AM	Peak Integrated by Software

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
PB164750BS	BF140288.D	Caprolactam	yogesh	11/10/2024 11:35:55 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4722-08	BF140303.D	Benzo(b)fluoranthene	yogesh	11/10/2024 11:36:18 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4722-08	BF140303.D	Benzo(k)fluoranthene	yogesh	11/10/2024 11:36:18 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4722-08	BF140303.D	Dibenzo(a,h)anthracene	yogesh	11/10/2024 11:36:18 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4722-03	BF140305.D	Benzo(b)fluoranthene	yogesh	11/10/2024 11:36:24 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software
P4722-03	BF140305.D	Benzo(k)fluoranthene	yogesh	11/10/2024 11:36:24 PM	mohammad	11/11/2024 12:24:00 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF111324

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF140333.D	Benzoic acid	yogesh	11/14/2024 3:08:33 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	2,3,4,6-Tetrachlorophen ol	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	Benzoic acid	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC080	BF140339.D	Caprolactam	yogesh	11/14/2024 3:08:41 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bf111424

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4722-08DL	BF140377.D	Benzo(b)fluoranthene	yogesh	11/15/2024 5:15:35 AM	mohammad	11/15/2024 5:49:37 AM	Peak Integrated by Software
P4722-08DL	BF140377.D	Benzo(k)fluoranthene	yogesh	11/15/2024 5:15:35 AM	mohammad	11/15/2024 5:49:37 AM	Peak Integrated by Software

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch 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	PB164561TB	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

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_E**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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	SSTDIC2.5	BF140231.D	05 Nov 2024 12:26	RC/JU	Ok
3	SSTDIC005	BF140232.D	05 Nov 2024 12:52	RC/JU	Ok
4	SSTDIC010	BF140233.D	05 Nov 2024 13:18	RC/JU	Ok
5	SSTDIC020	BF140234.D	05 Nov 2024 13:45	RC/JU	Ok
6	SSTDIC040	BF140235.D	05 Nov 2024 14:11	RC/JU	Ok
7	SSTDIC050	BF140236.D	05 Nov 2024 14:37	RC/JU	Ok,M
8	SSTDIC060	BF140237.D	05 Nov 2024 15:03	RC/JU	Ok
9	SSTDIC080	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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM
SubDirectory	BF110724	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	BF140260.D	07 Nov 2024 08:33	RC/JU	Ok
2	SSTDCCC040	BF140261.D	07 Nov 2024 08:59	RC/JU	Ok
3	PB164702BL	BF140262.D	07 Nov 2024 09:28	RC/JU	Ok
4	PB164702BS	BF140263.D	07 Nov 2024 09:54	RC/JU	Ok,M
5	P4701-01	BF140264.D	07 Nov 2024 10:28	RC/JU	Ok
6	P4693-05	BF140265.D	07 Nov 2024 10:55	RC/JU	Ok
7	P4693-05MS	BF140266.D	07 Nov 2024 11:21	RC/JU	Ok,M
8	P4693-05MSD	BF140267.D	07 Nov 2024 11:48	RC/JU	Ok,M
9	P4701-05	BF140268.D	07 Nov 2024 12:14	RC/JU	Ok
10	P4697-01	BF140269.D	07 Nov 2024 12:40	RC/JU	Ok
11	P4718-01	BF140270.D	07 Nov 2024 13:07	RC/JU	Ok
12	P4718-02	BF140271.D	07 Nov 2024 13:33	RC/JU	Ok
13	P4718-02MS	BF140272.D	07 Nov 2024 14:00	RC/JU	Ok,M
14	P4718-02MSD	BF140273.D	07 Nov 2024 14:27	RC/JU	Ok,M
15	P4693-01	BF140274.D	07 Nov 2024 14:53	RC/JU	Ok,M
16	P4695-01	BF140275.D	07 Nov 2024 15:20	RC/JU	Dilution
17	P4707-01	BF140276.D	07 Nov 2024 15:46	RC/JU	Ok,M
18	P4719-01	BF140277.D	07 Nov 2024 16:13	RC/JU	Ok
19	P4694-05	BF140278.D	07 Nov 2024 16:39	RC/JU	ReRun
20	P4720-01	BF140279.D	07 Nov 2024 17:06	RC/JU	Dilution
21	P4722-13	BF140280.D	07 Nov 2024 17:32	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM		
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM		
SubDirectory	BF110724	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	P4695-01DL	BF140281.D	07 Nov 2024 17:59	RC/JU	Not Ok
23	P4734-01	BF140282.D	07 Nov 2024 18:25	RC/JU	Ok,M
24	P4694-01	BF140283.D	07 Nov 2024 18:51	RC/JU	Dilution
25	P4700-01	BF140284.D	07 Nov 2024 19:18	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM
SubDirectory	BF111324	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12327,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140331.D	13 Nov 2024 08:35	RC/JU	Ok
2	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01	RC/JU	Ok
3	SSTDICC005	BF140333.D	13 Nov 2024 09:27	RC/JU	Ok,M
4	SSTDICC010	BF140334.D	13 Nov 2024 09:53	RC/JU	Ok,M
5	SSTDICC020	BF140335.D	13 Nov 2024 10:29	RC/JU	Ok
6	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	RC/JU	Not Ok
7	SSTDICC050	BF140337.D	13 Nov 2024 11:21	RC/JU	Ok
8	SSTDICC060	BF140338.D	13 Nov 2024 11:47	RC/JU	Ok
9	SSTDICC080	BF140339.D	13 Nov 2024 12:13	RC/JU	Ok,M
10	SSTDICCC040	BF140340.D	13 Nov 2024 12:48	RC/JU	Ok
11	SSTDICV040	BF140341.D	13 Nov 2024 13:19	RC/JU	Ok
12	PB164401BL	BF140342.D	13 Nov 2024 13:45	RC/JU	Ok
13	P4495-11	BF140343.D	13 Nov 2024 15:25	RC/JU	Dilution
14	P4495-11DL	BF140344.D	13 Nov 2024 16:02	RC/JU	Ok
15	P3845-03	BF140345.D	13 Nov 2024 16:40	RC/JU	Dilution
16	P3845-03DL	BF140346.D	13 Nov 2024 17:06	RC/JU	Ok
17	P3845-06	BF140347.D	13 Nov 2024 17:32	RC/JU	Dilution
18	P3845-06DL	BF140348.D	13 Nov 2024 17:58	RC/JU	Not Ok
19	SP	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12327,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140350.D	14 Nov 2024 08:47	RC/JU	Ok
2	SSTDCCC040	BF140351.D	14 Nov 2024 09:42	RC/JU	Ok
3	PB164908BL	BF140352.D	14 Nov 2024 10:08	RC/JU	Ok
4	PB164911BS	BF140353.D	14 Nov 2024 10:34	RC/JU	Ok,M
5	PB164911BSD	BF140354.D	14 Nov 2024 11:01	RC/JU	Ok,M
6	PB164911BL	BF140355.D	14 Nov 2024 11:27	RC/JU	Ok
7	P3845-06DL	BF140356.D	14 Nov 2024 11:54	RC/JU	Ok
8	P4762-02	BF140357.D	14 Nov 2024 13:03	RC/JU	Ok
9	P4792-03	BF140358.D	14 Nov 2024 13:29	RC/JU	Ok
10	P4837-03	BF140359.D	14 Nov 2024 13:55	RC/JU	Ok
11	P4834-03	BF140360.D	14 Nov 2024 14:21	RC/JU	Ok
12	P4779-01	BF140361.D	14 Nov 2024 14:47	RC/JU	Ok
13	P4838-03	BF140362.D	14 Nov 2024 15:13	RC/JU	Ok
14	P4718-04	BF140363.D	14 Nov 2024 15:39	RC/JU	Ok
15	P4812-01	BF140364.D	14 Nov 2024 16:04	RC/JU	Ok
16	DFTPP	BF140365.D	14 Nov 2024 16:35	RC/JU	Ok
17	SSTDCCC040	BF140366.D	14 Nov 2024 17:02	RC/JU	Ok
18	PB164846BL	BF140367.D	14 Nov 2024 17:28	RC/JU	Ok
19	P4722-10	BF140368.D	14 Nov 2024 17:59	RC/JU	Ok
20	P4722-15	BF140369.D	14 Nov 2024 18:25	RC/JU	Ok
21	P4791-02	BF140370.D	14 Nov 2024 18:51	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12327,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4792-04	BF140371.D	14 Nov 2024 19:17	RC/JU	Ok
23	P4788-01	BF140372.D	14 Nov 2024 19:43	RC/JU	Ok
24	P4788-01MS	BF140373.D	14 Nov 2024 20:09	RC/JU	Ok
25	P4788-01MSD	BF140374.D	14 Nov 2024 20:35	RC/JU	Ok
26	P4796-05RE	BF140375.D	14 Nov 2024 21:01	RC/JU	Confirms
27	P4796-01RE	BF140376.D	14 Nov 2024 21:28	RC/JU	Confirms
28	P4722-08DL	BF140377.D	14 Nov 2024 21:54	RC/JU	Ok,M
29	P4768-06DL	BF140378.D	14 Nov 2024 22:20	RC/JU	Ok,M
30	P4739-09DL	BF140379.D	14 Nov 2024 22:47	RC/JU	Ok
31	P4795-01RE	BF140380.D	14 Nov 2024 23:13	RC/JU	Confirms
32	P4811-01RE	BF140381.D	14 Nov 2024 23:39	RC/JU	Confirms
33	P4816-01RE	BF140382.D	15 Nov 2024 00:05	RC/JU	Confirms
34	P4807-05	BF140383.D	15 Nov 2024 00:32	RC/JU	Ok
35	P4807-05MS	BF140384.D	15 Nov 2024 00:58	RC/JU	Ok
36	P4807-05MSD	BF140385.D	15 Nov 2024 01:24	RC/JU	Ok
37	P4807-01	BF140386.D	15 Nov 2024 01:49	RC/JU	Ok
38	P4798-01	BF140387.D	15 Nov 2024 02:16	RC/JU	Dilution
39	P4789-01	BF140388.D	15 Nov 2024 02:42	RC/JU	Ok
40	P4793-01	BF140389.D	15 Nov 2024 03:08	RC/JU	Confirms

M : Manual Integration

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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	PB164561TB	PB164561TB	BE101505.D	6 Nov 2024 21:04		RC/JU	Ok
16	PB164561BS	PB164561BS	BE101506.D	6 Nov 2024 21:40		RC/JU	Ok,M

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QC Batch 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

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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-QT	BF140248.D	05 Nov 2024 20:07	LOD-MDL-WATER- 4 ppm	RC/JU	Ok,M
20	P4368-07	LOD-MDL-WATER-01-QT	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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM
SubDirectory	BF110724	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	BF140260.D	07 Nov 2024 08:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140261.D	07 Nov 2024 08:59		RC/JU	Ok
3	PB164702BL	PB164702BL	BF140262.D	07 Nov 2024 09:28		RC/JU	Ok
4	PB164702BS	PB164702BS	BF140263.D	07 Nov 2024 09:54		RC/JU	Ok,M
5	P4701-01	BP-F3	BF140264.D	07 Nov 2024 10:28		RC/JU	Ok
6	P4693-05	BP-G4-WC	BF140265.D	07 Nov 2024 10:55		RC/JU	Ok
7	P4693-05MS	BP-G4-WCMS	BF140266.D	07 Nov 2024 11:21		RC/JU	Ok,M
8	P4693-05MSD	BP-G4-WCMSD	BF140267.D	07 Nov 2024 11:48		RC/JU	Ok,M
9	P4701-05	BP-F4	BF140268.D	07 Nov 2024 12:14		RC/JU	Ok
10	P4697-01	TP-1	BF140269.D	07 Nov 2024 12:40		RC/JU	Ok
11	P4718-01	WB-307-SB01	BF140270.D	07 Nov 2024 13:07		RC/JU	Ok
12	P4718-02	WB-307-SB02	BF140271.D	07 Nov 2024 13:33		RC/JU	Ok
13	P4718-02MS	WB-307-SB02MS	BF140272.D	07 Nov 2024 14:00		RC/JU	Ok,M
14	P4718-02MSD	WB-307-SB02MSD	BF140273.D	07 Nov 2024 14:27		RC/JU	Ok,M
15	P4693-01	BP-G5-WC	BF140274.D	07 Nov 2024 14:53		RC/JU	Ok,M
16	P4695-01	Z-01	BF140275.D	07 Nov 2024 15:20	Need 5X Dilution.	RC/JU	Dilution
17	P4707-01	HD-02-110424	BF140276.D	07 Nov 2024 15:46		RC/JU	Ok,M
18	P4719-01	BAYAVE-STOCKPILE	BF140277.D	07 Nov 2024 16:13		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF110724

Review By	yogesh	Review On	11/8/2024 3:38:09 AM		
Supervise By	mohammad	Supervise On	11/11/2024 12:23:52 AM		
SubDirectory	BF110724	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					

19	P4694-05	Z-04	BF140278.D	07 Nov 2024 16:39	Internal Standard Fail	RC/JU	ReRun
20	P4720-01	JC-701-COMP-01	BF140279.D	07 Nov 2024 17:06	Internal Standard and Surrogate Fail, Need 2X Dilution	RC/JU	Dilution
21	P4722-13	WC-3(0-6)	BF140280.D	07 Nov 2024 17:32	Internal Standard Fail	RC/JU	Ok,M
22	P4695-01DL	Z-01DL	BF140281.D	07 Nov 2024 17:59	Internal Standard Fail	RC/JU	Not Ok
23	P4734-01	EO-03-11062024	BF140282.D	07 Nov 2024 18:25		RC/JU	Ok,M
24	P4694-01	Z-03A	BF140283.D	07 Nov 2024 18:51	Internal Standard Fail, Need 2X Dilution	RC/JU	Dilution
25	P4700-01	MH-8	BF140284.D	07 Nov 2024 19:18	Internal Standard Fail	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM
SubDirectory	BF111324	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	SP6573 SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6624 S12327,10ul/1000ul sample SP6559

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM
SubDirectory	BF111324	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP	SP	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/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	BF140350.D	14 Nov 2024 08:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140351.D	14 Nov 2024 09:42		RC/JU	Ok
3	PB164908BL	PB164908BL	BF140352.D	14 Nov 2024 10:08		RC/JU	Ok
4	PB164911BS	PB164911BS	BF140353.D	14 Nov 2024 10:34		RC/JU	Ok,M
5	PB164911BSD	PB164911BSD	BF140354.D	14 Nov 2024 11:01		RC/JU	Ok,M
6	PB164911BL	PB164911BL	BF140355.D	14 Nov 2024 11:27		RC/JU	Ok
7	P3845-06DL	PT-ACIDS-WPDL	BF140356.D	14 Nov 2024 11:54		RC/JU	Ok
8	P4762-02	EFF-WW	BF140357.D	14 Nov 2024 13:03		RC/JU	Ok
9	P4792-03	OILY-STONE-DRUM	BF140358.D	14 Nov 2024 13:29		RC/JU	Ok
10	P4837-03	3TRK-STONE	BF140359.D	14 Nov 2024 13:55		RC/JU	Ok
11	P4834-03	SLP-1-STONE	BF140360.D	14 Nov 2024 14:21		RC/JU	Ok
12	P4779-01	SOIL-01	BF140361.D	14 Nov 2024 14:47		RC/JU	Ok
13	P4838-03	T1-STONE	BF140362.D	14 Nov 2024 15:13		RC/JU	Ok
14	P4718-04	WB-307-SW	BF140363.D	14 Nov 2024 15:39		RC/JU	Ok
15	P4812-01	RBR200035	BF140364.D	14 Nov 2024 16:04		RC/JU	Ok
16	DFTPP	DFTPP	BF140365.D	14 Nov 2024 16:35		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040	BF140366.D	14 Nov 2024 17:02		RC/JU	Ok
18	PB164846BL	PB164846BL	BF140367.D	14 Nov 2024 17:28		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621				
CCC	SP6624				
Internal Standard/PEM	S12327,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4722-10	WC-2(0-6)	BF140368.D	14 Nov 2024 17:59		RC/JU	Ok
20	P4722-15	WC-3(0-6)	BF140369.D	14 Nov 2024 18:25		RC/JU	Ok
21	P4791-02	HINCHMAN-OILY-WAT	BF140370.D	14 Nov 2024 18:51	Internal Standard Fail	RC/JU	Ok
22	P4792-04	MANHOLE-WASTE-DR	BF140371.D	14 Nov 2024 19:17		RC/JU	Ok
23	P4788-01	BP-G3	BF140372.D	14 Nov 2024 19:43		RC/JU	Ok
24	P4788-01MS	BP-G3MS	BF140373.D	14 Nov 2024 20:09		RC/JU	Ok
25	P4788-01MSD	BP-G3MSD	BF140374.D	14 Nov 2024 20:35		RC/JU	Ok
26	P4796-05RE	TP-3RE	BF140375.D	14 Nov 2024 21:01	Fax is already given	RC/JU	Confirms
27	P4796-01RE	TP-1RE	BF140376.D	14 Nov 2024 21:28	Fax is already given	RC/JU	Confirms
28	P4722-08DL	WC-2(0-6)DL	BF140377.D	14 Nov 2024 21:54		RC/JU	Ok,M
29	P4768-06DL	B-6-2DL	BF140378.D	14 Nov 2024 22:20		RC/JU	Ok,M
30	P4739-09DL	BP-B2DL	BF140379.D	14 Nov 2024 22:47		RC/JU	Ok
31	P4795-01RE	LAW-23-00189RE	BF140380.D	14 Nov 2024 23:13	Fax is already given	RC/JU	Confirms
32	P4811-01RE	RB24008RE	BF140381.D	14 Nov 2024 23:39	Internal Standard Fail	RC/JU	Confirms
33	P4816-01RE	331RE	BF140382.D	15 Nov 2024 00:05	Fax is already given	RC/JU	Confirms
34	P4807-05	BF-F14	BF140383.D	15 Nov 2024 00:32		RC/JU	Ok
35	P4807-05MS	BF-F14MS	BF140384.D	15 Nov 2024 00:58		RC/JU	Ok
36	P4807-05MSD	BF-F14MSD	BF140385.D	15 Nov 2024 01:24		RC/JU	Ok
37	P4807-01	TP-7	BF140386.D	15 Nov 2024 01:49		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM
SubDirectory	BF111424	HP Acquire Method	BNA_F
		HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4798-01	MH-6	BF140387.D	15 Nov 2024 02:16	Need 2X Dilution	RC/JU	Dilution
39	P4789-01	BP-F21	BF140388.D	15 Nov 2024 02:42		RC/JU	Ok
40	P4793-01	M00-24-00345	BF140389.D	15 Nov 2024 03:08		RC/JU	Confirms

M : Manual Integration

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4659-01	MH-2	39	1.13	8.64	9.77	8.64	86.9	
P4662-06	102524-D	29	1.00	1.00	2.00	2.00	100.0	oil sample
P4720-01	JC-701-COMP-01	1	1.16	8.49	9.65	8.85	90.6	
P4720-02	JC-701-VOC-01	2	1.16	8.49	9.65	8.85	90.6	
P4720-03	JC-701-01	3	1.15	8.58	9.73	8.99	91.4	
P4720-04	JC-701-02	4	1.13	8.65	9.78	8.73	87.9	
P4721-01	EX-2-TPH-1	5	1.15	8.82	9.97	8.8	86.7	
P4721-02	EX-2-TPH-2	6	1.18	8.47	9.65	8.21	83.0	
P4721-03	EX-2-TPH-3	7	1.16	8.82	9.98	8.95	88.3	
P4721-04	EX-11-TPH-1	8	1.15	8.53	9.68	7.95	79.7	
P4721-05	EX-11-TPH-2	9	1.12	8.56	9.68	8.95	91.5	
P4721-06	EX-11-TPH-3	10	1.15	8.80	9.95	8.14	79.4	
P4721-07	EX-11-TPH-4	11	1.14	8.83	9.97	8.7	85.6	
P4721-08	EX-9-TPH-1	12	1.16	8.53	9.69	8.3	83.7	
P4721-09	EX-9-TPH-2	13	1.12	8.47	9.59	8.36	85.5	
P4721-10	EX-9-TPH-3	14	1.15	8.42	9.57	8.32	85.2	
P4721-11	EX-9-TPH-4	15	1.12	8.81	9.93	9.00	89.4	
P4721-12	EX-9-TPH-5	16	1.17	8.81	9.98	8.83	86.9	
P4721-13	EX-9-TPH-6	17	1.19	8.79	9.98	8.54	83.6	
P4721-14	EX-9-TPH-7	18	1.19	8.42	9.61	8.5	86.8	
P4721-15	EX-9-TPH-8	19	1.15	8.83	9.98	8.85	87.2	
P4722-01	WC-1 (5.5)	20	1.18	8.44	9.62	8.64	88.4	
P4722-03	WC-1 (0-6)	21	1.15	8.81	9.96	9.41	93.8	
P4722-06	WC-2 (2)	22	1.14	8.61	9.75	8.87	89.8	
P4722-08	WC-2 (0-6)	23	1.13	8.79	9.92	9.05	90.1	
P4722-11	WC-3 (5)	24	1.14	8.40	9.54	7.17	71.8	
P4722-13	WC-3 (0-6)	25	1.17	8.61	9.78	8.63	86.6	
P4722-17	WC-1 (3.5)	26	1.19	8.47	9.66	7.95	79.8	

PERCENT SOLID

Supervisor: sohil
Analyst: jignesh
Date: 11/7/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 11/06/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133313

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4722-19	WC-2 (4)	27	1.18	8.78	9.96	9.03	89.4	
P4722-21	WC-3 (3)	28	1.17	8.69	9.86	8.79	87.7	
P4731-01	NASSAU-ST-CO	30	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-02	S.JEFFERSON-CO-1	31	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4731-03	S.JEFFERSON-CO-2	32	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4732-01	PPE-COMP	33	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-02	PPE-COMP	34	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-04	PPE-Grab	35	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4732-05	PPE-Grab	36	1.00	1.00	2.00	2.00	100.0	PPE- PLASTIC
P4734-01	EO-03-11062024	37	1.16	8.48	9.64	9.11	93.7	
P4734-02	EO-03-11062024-E2	38	1.19	8.67	9.86	9.26	93.1	
P4737-01	TP2	40	1.15	8.35	9.5	8.78	91.4	
P4737-02	TP2-E2	41	1.16	8.67	9.83	8.94	89.7	
P4738-01	72-12018	42	1.14	8.70	9.84	2.66	17.5	GEL MARTIX
P4739-01	TP-14	43	1.14	8.71	9.85	8.87	88.7	
P4739-02	TP-14-EPH	44	1.18	8.52	9.7	8.71	88.4	
P4739-03	TP-14-VOC	45	1.13	8.73	9.86	8.75	87.3	
P4739-05	BP-G2	46	1.16	8.71	9.87	8.74	87.0	
P4739-06	BP-G2-EPH	47	1.13	8.52	9.65	8.5	86.5	
P4739-07	BP-G2-VOC	48	1.13	8.85	9.98	8.93	88.1	
P4739-09	BP-B2	49	1.15	8.62	9.77	8.68	87.4	
P4739-10	BP-B2-EPH	50	1.15	8.38	9.53	8.4	86.5	
P4739-11	BP-B2-VOC	51	1.15	8.73	9.88	8.66	86.0	
P4739-13	TP-11	52	1.16	8.37	9.53	8.85	91.9	
P4739-14	TP-11-EPH	53	1.16	8.75	9.91	9.17	91.5	
P4739-15	TP-11-VOC	54	1.12	8.74	9.86	9.11	91.4	

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

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4659-01	MH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-06	102524-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4720-01	JC-701-COMP-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-02	JC-701-VOC-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-03	JC-701-01	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4720-04	JC-701-02	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-01	EX-2-TPH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K31	11/05/2024	Chemtech -SO
P4721-02	EX-2-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-03	EX-2-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-04	EX-11-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-05	EX-11-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-06	EX-11-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-07	EX-11-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-08	EX-9-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-09	EX-9-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-10	EX-9-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-11	EX-9-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-12	EX-9-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-13	EX-9-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-14	EX-9-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO
P4721-15	EX-9-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	L23	11/05/2024	Chemtech -SO

Date/Time 11/06/24 15:40
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

Date/Time 11/06/24 17:45
 Raw Sample Received by: JWC
 Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4722-01	WC-1(5.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-03	WC-1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-06	WC-2(2)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-08	WC-2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-11	WC-3(5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-13	WC-3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-17	WC-1(3.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-19	WC-2(4)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4722-21	WC-3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	L23	11/05/2024	Chemtech -SO
P4731-01	NASSAU-ST-CO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-02	S.JEFFERSON-CO-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4731-03	S.JEFFERSON-CO-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	10/23/2024	Chemtech -SO
P4732-01	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-02	PPE-COMP	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-04	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4732-05	PPE-Grab	Solid	Percent Solids	Cool 4 deg C	FUR101	L11	11/06/2024	Chemtech -SO
P4734-01	EO-03-11062024	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4734-02	EO-03-11062024-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L23	11/06/2024	Chemtech -SO
P4737-01	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4737-02	TP2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/05/2024	Chemtech -SO
P4738-01	72-12018	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/06/2024	Chemtech -SO

Date/Time 11/06/24 15:40
Raw Sample Received by: SO (WC)
Raw Sample Relinquished by: SO (WC)

Date/Time 11/06/24
Raw Sample Received by: SO (WC)
Raw Sample Relinquished by: SO (WC)

WORKLIST(Hardcopy Internal Chain)

133313

WorkList Name : %1-110624

WorkList ID : 185146

Department : Wet-Chemistry

Date : 11-06-2024 07:38:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4739-01	TP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-02	TP-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-03	TP-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-05	BP-G2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-06	BP-G2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-07	BP-G2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-09	BP-B2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-10	BP-B2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-11	BP-B2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-13	TP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-14	TP-11-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO
P4739-15	TP-11-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/06/2024	Chemtech -SO

Date/Time 11/06/24 15:50

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 11/06/24

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Extraction Start Date : 11/07/2024

Matrix : Solid

Extraction Start Time : 09:20

Weigh By: EH

Extraction By: RJ

Extraction End Date : 11/07/2024

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:45

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard 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
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Methylene Chloride	N/A	E3823
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. P4732-01 Limited volume used as sample is Oily debries.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

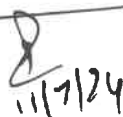
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/7/24	RP (Est Lab)	RC/Supc
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

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				
PB164750BL	SBLK750	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U6-1
PB164750BS	SLCS750	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P4720-01	JC-701-COMP-01	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		3
P4722-03	WC-1(0-6)	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D		4
P4722-08	WC-2(0-6)	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		5
P4722-13	WC-3(0-6)	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		6
P4732-01	PPE-COMP	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	1	B	Oily Debris	U1-1
P4734-01	EO-03-11062024	SVOC-TCL BNA -20	50.10	N/A	ritesh	Evelyn	1	D		2
P4737-01	TP2	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		3
P4737-01MS	TP2MS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		4
P4737-01MS D	TP2MSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		5
P4738-01	72-12018	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		6
P4739-01	TP-14	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		U5-1
P4739-05	BP-G2	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	D		2
P4739-09	BP-B2	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		3
P4739-13	TP-11	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		4

* Extracts relinquished on the same date as received.



City n.d.

WorkList ID : 185199

Department: Extraction

Date: 11-07-2024 08:38:01

Date/Time 11/9/24 9:15
Raw Sample Received by: RJ (Set 1a)
Raw Sample Relinquished by: JD (SM)

11/7/24 9:15

by: Erin (Sep 104)

505

417126

50 cm

Page 1 of 1



SHIPPING DOCUMENTS

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: **201-691-6800** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **C547A Construction of Shaft 18B-1**
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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	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	1								
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

RELINQUISHED BY SAMPLER: 1. WJS	DATE/TIME: 11/5/24 11:50pm	RECEIVED BY: 1. Benie DE	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C Comments: Additional Analysis: Paint Filter 9095A Total Solids 5m 254.03 Total Volatile Solids 5m 254.03 Ammonia + Nitrogen 350.1 Chemical Oxygen Demand 410.4 O.I. and Grease 907.13 Full analysis list in email from Bill Fitchett 11/5/24
RELINQUISHED BY SAMPLER: 2. Benie DE	DATE/TIME: 11-5-24 1406	RECEIVED BY: 2. [Signature] 1406	
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 11-5-24 1732	RECEIVED BY: 3. [Signature]	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722	WALS01	Order Date : 11/5/2024 3:33:08 PM	Project Mgr : Yazmeen
Client Name : Walsh Construction Compai		Project Name : NYCDEP C547A - Shafts 1	Report Type : Level 2
Client Contact : Kayla Timony		Receive DateTime : 11/5/2024 5:32:00 PM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compai		Purchase Order :	Hard Copy Date :
Invoice Contact : Kayla Timony			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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4722	WALS01	Order Date : 11/5/2024 3:33:08 PM	Project Mgr : Yazmeen
Client Name : Walsh Construction Compai		Project Name : NYCDEP C547A - Shafts 1	Report Type : Level 2
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Invoice Name : Walsh Construction Compai		Purchase Order :	Hard Copy Date :
Invoice Contact : Kayla Timony			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

Relinquished By :



Date / Time : 11/6/24 12:10

Received By :

Roma 123210

Date / Time :

11/06/24

Storage Area : VOA Refridgerator Room