

Cover Page

Order ID : P4822

Project ID : BAPS North Bergen

Client : BAPS North Bergen

Lab Sample Number

P4822-01
P4822-02
P4822-03
P4822-04
P4822-05
P4822-06
P4822-07
P4822-08
P4822-09
P4822-10
P4822-11
P4822-12

Client Sample Number

SOIL-1
SOIL-1
SOIL-2
SOIL-2
SOIL-3
SOIL-3
SOIL-4
SOIL-4
SOIL-5
SOIL-5
SOIL-6
SOIL-6

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: 11/25/2024

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 #: P4822

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 11/25/2024

LAB CHRONICLE

OrderID:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-02	SOIL-1	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/22/24	11/12/24
P4822-04	SOIL-2	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/22/24	11/12/24
P4822-06	SOIL-3	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/20/24	11/12/24
P4822-08	SOIL-4	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/20/24	11/12/24
P4822-10	SOIL-5	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/20/24	11/12/24
P4822-12	SOIL-6	SOIL	SVOC-TCL BNA -20	8270E	11/12/24	11/13/24	11/20/24	11/12/24

Hit Summary Sheet SW-846

SDG No.: P4822
Client: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-1								
P4822-02	SOIL-1	SOIL	Fluoranthene	130.000	J	88.3	180	ug/Kg
P4822-02	SOIL-1	SOIL	Pyrene	140.000	J	89.7	180	ug/Kg
P4822-02	SOIL-1	SOIL	Benzo(a)anthracene	96.600	J	87.3	180	ug/Kg
P4822-02	SOIL-1	SOIL	Chrysene	90.800	J	86	180	ug/Kg
P4822-02	SOIL-1	SOIL	Benzo(b)fluoranthene	160.000	J	87.7	180	ug/Kg
P4822-02	SOIL-1	SOIL	Benzo(a)pyrene	100.000	J	100	180	ug/Kg
Total Svoc :				717.40				
P4822-02	SOIL-1	SOIL	5-Eicosene, (E)-	*	200.000	J	0	ug/Kg
P4822-02	SOIL-1	SOIL	Benzophenone	*	350.000	J	0	ug/Kg
P4822-02	SOIL-1	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	ug/Kg
P4822-02	SOIL-1	SOIL	n-Hexadecanoic acid	*	340.000	J	0	ug/Kg
Total Tics :				1,990.00				
Total Concentration:				2,707.40				
Client ID : SOIL-2								
P4822-04	SOIL-2	SOIL	3-Eicosene, (E)-	*	280.000	J	0	ug/Kg
P4822-04	SOIL-2	SOIL	Benzophenone	*	440.000	J	0	ug/Kg
P4822-04	SOIL-2	SOIL	Butane, 2-methoxy-2-methyl-	*	1,400.000	J	0	ug/Kg
P4822-04	SOIL-2	SOIL	Methanone, (1-hydroxycyclohexy	*	88.300	J	0	ug/Kg
P4822-04	SOIL-2	SOIL	n-Hexadecanoic acid	*	360.000	J	0	ug/Kg
P4822-04	SOIL-2	SOIL	Pentacosane	*	110.000	J	0	ug/Kg
Total Tics :				2,678.30				
Total Concentration:				2,678.30				
Client ID : SOIL-3								
P4822-06	SOIL-3	SOIL	Fluoranthene	140.000	J	89.4	190	ug/Kg
P4822-06	SOIL-3	SOIL	Pyrene	110.000	J	90.8	190	ug/Kg
P4822-06	SOIL-3	SOIL	Benzo(b)fluoranthene	89.100	J	88.7	190	ug/Kg
Total Svoc :				339.10				
P4822-06	SOIL-3	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	82.000	AB	0	ug/Kg
P4822-06	SOIL-3	SOIL	Benzophenone	*	630.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Butane, 2-methoxy-2-methyl-	*	1,600.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Cyclohexanol, 1-ethyl-	*	110.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Eicosane	*	420.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Heptadecane, 9-octyl-	*	350.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	n-Hexadecanoic acid	*	620.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Octadecanoic acid	*	130.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	Supraene	*	360.000	J	0	ug/Kg
P4822-06	SOIL-3	SOIL	1-Docosene	*	260.000	J	0	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: P4822
Client: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	4,562.00				
			Total Concentration:	4,901.10				
Client ID :	SOIL-4							
P4822-08	SOIL-4	SOIL	Phenanthrene	130.000	J	90.3	180	ug/Kg
P4822-08	SOIL-4	SOIL	Fluoranthene	220.000		87.8	180	ug/Kg
P4822-08	SOIL-4	SOIL	Pyrene	190.000		89.2	180	ug/Kg
P4822-08	SOIL-4	SOIL	Benzo(a)anthracene	120.000	J	86.8	180	ug/Kg
P4822-08	SOIL-4	SOIL	Chrysene	100.000	J	85.5	180	ug/Kg
P4822-08	SOIL-4	SOIL	Benzo(b)fluoranthene	130.000	J	87.2	180	ug/Kg
P4822-08	SOIL-4	SOIL	Benzo(a)pyrene	110.000	J	100	180	ug/Kg
			Total Svoc :	1,000.00				
P4822-08	SOIL-4	SOIL	1-Nonadecene	*	200.000	J	0	ug/Kg
P4822-08	SOIL-4	SOIL	Benzophenone	*	390.000	J	0	ug/Kg
P4822-08	SOIL-4	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	ug/Kg
P4822-08	SOIL-4	SOIL	n-Hexadecanoic acid	*	510.000	J	0	ug/Kg
P4822-08	SOIL-4	SOIL	Octadecanoic acid	*	150.000	J	0	ug/Kg
			Total Tics :	2,550.00				
			Total Concentration:	3,550.00				
Client ID :	SOIL-5							
P4822-10	SOIL-5	SOIL	Fluoranthene	190.000		89	190	ug/Kg
P4822-10	SOIL-5	SOIL	Pyrene	130.000	J	90.4	190	ug/Kg
P4822-10	SOIL-5	SOIL	Benzo(a)anthracene	130.000	J	87.9	190	ug/Kg
P4822-10	SOIL-5	SOIL	Chrysene	110.000	J	86.6	190	ug/Kg
P4822-10	SOIL-5	SOIL	Benzo(b)fluoranthene	140.000	J	88.4	190	ug/Kg
P4822-10	SOIL-5	SOIL	Benzo(a)pyrene	100.000	J	100	190	ug/Kg
			Total Svoc :	800.00				
P4822-10	SOIL-5	SOIL	1-(Phenylthio)-3,7,11-trimethyl-2, *	320.000	J	0	0	ug/Kg
P4822-10	SOIL-5	SOIL	Benzophenone	*	440.000	J	0	ug/Kg
P4822-10	SOIL-5	SOIL	Butane, 2-methoxy-2-methyl-	*	1,200.000	J	0	ug/Kg
P4822-10	SOIL-5	SOIL	Eicosane	*	140.000	J	0	ug/Kg
P4822-10	SOIL-5	SOIL	Heneicosane	*	150.000	J	0	ug/Kg
P4822-10	SOIL-5	SOIL	Methanone, (1-hydroxycyclohexy *	79.200	J	0	0	ug/Kg
P4822-10	SOIL-5	SOIL	n-Hexadecanoic acid	*	740.000	J	0	ug/Kg
P4822-10	SOIL-5	SOIL	Octadecanoic acid	*	280.000	J	0	ug/Kg
			Total Tics :	3,349.20				
			Total Concentration:	4,149.20				
Client ID :	SOIL-6							
P4822-12	SOIL-6	SOIL	Phenanthrene	94.100	J	91.8	190	ug/Kg
P4822-12	SOIL-6	SOIL	Fluoranthene	190.000		89.3	190	ug/Kg

Hit Summary Sheet SW-846

SDG No.: P4822
Client: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4822-12	SOIL-6	SOIL	Pyrene	130.000	J	90.7	190	ug/Kg
P4822-12	SOIL-6	SOIL	Benzo(a)anthracene	90.000	J	88.2	190	ug/Kg
P4822-12	SOIL-6	SOIL	Chrysene	89.200	J	86.9	190	ug/Kg
P4822-12	SOIL-6	SOIL	Benzo(b)fluoranthene	120.000	J	88.7	190	ug/Kg
Total Svoc :				713.30				
P4822-12	SOIL-6	SOIL	1-Octadecene	*	200.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Stigmast-4-en-3-one	*	530.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Supraene	*	150.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Benzophenone	*	500.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Butane, 2-methoxy-2-methyl-	*	1,700.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Docosane	*	75.400	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Dotriacontane, 1-iodo-	*	400.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Lup-20(29)-en-3-one	*	620.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Methanone, (1-hydroxycyclohexy	*	76.200	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	n-Hexadecanoic acid	*	510.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Nonadecane	*	370.000	J	0	ug/Kg
P4822-12	SOIL-6	SOIL	Octadecanoic acid	*	130.000	J	0	ug/Kg
Total Tics :				5,261.60				
Total Concentration:				5,974.90				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: **P4822**

Client: **BAPS North Bergen**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4821-01MS	BP-F-24MS	2-Fluorophenol	150	101	67		30 (18)	130 (112)
		Phenol-d6	150	98.9	66		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.7	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	70.2	70		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	107	71		30 (10)	130 (116)
		Terphenyl-d14	100	70.5	70		30 (10)	130 (105)
P4821-01MSD	BP-F-24MSD	2-Fluorophenol	150	98.4	66		30 (18)	130 (112)
		Phenol-d6	150	95.6	64		30 (15)	130 (107)
		Nitrobenzene-d5	100	67.3	67		30 (18)	130 (107)
		2-Fluorobiphenyl	100	68.1	68		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	99.7	66		30 (10)	130 (116)
		Terphenyl-d14	100	62.1	62		30 (10)	130 (105)
P4822-02	SOIL-1	2-Fluorophenol	150	78.9	53		30 (18)	130 (112)
		Phenol-d6	150	76.3	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	53.0	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.4	62		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	66.5	44		30 (10)	130 (116)
		Terphenyl-d14	100	51.9	52		30 (10)	130 (105)
P4822-04	SOIL-2	2-Fluorophenol	150	75.6	50		30 (18)	130 (112)
		Phenol-d6	150	75.0	50		30 (15)	130 (107)
		Nitrobenzene-d5	100	52.5	53		30 (18)	130 (107)
		2-Fluorobiphenyl	100	57.8	58		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	64.2	43		30 (10)	130 (116)
		Terphenyl-d14	100	49.3	49		30 (10)	130 (105)
P4822-06	SOIL-3	2-Fluorophenol	150	99.1	66		30 (18)	130 (112)
		Phenol-d6	150	88.5	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.9	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	86.4	86		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	111	74		30 (10)	130 (116)
		Terphenyl-d14	100	72.4	72		30 (10)	130 (105)
P4822-08	SOIL-4	2-Fluorophenol	150	85.0	57		30 (18)	130 (112)
		Phenol-d6	150	76.3	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.5	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	71.0	71		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	89.9	60		30 (10)	130 (116)
		Terphenyl-d14	100	66.4	66		30 (10)	130 (105)
P4822-10	SOIL-5	2-Fluorophenol	150	78.1	52		30 (18)	130 (112)
		Phenol-d6	150	70.2	47		30 (15)	130 (107)
		Nitrobenzene-d5	100	55.1	55		30 (18)	130 (107)
		2-Fluorobiphenyl	100	66.2	66		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	75.2	50		30 (10)	130 (116)
		Terphenyl-d14	100	49.8	50		30 (10)	130 (105)
P4822-12	SOIL-6	2-Fluorophenol	150	97.9	65		30 (18)	130 (112)
		Phenol-d6	150	88.1	59		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.9	70		30 (18)	130 (107)
		2-Fluorobiphenyl	100	80.7	81		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	97.9	65		30 (10)	130 (116)
		Terphenyl-d14	100	64.2	64		30 (10)	130 (105)
PB164940BL	PB164940BL	2-Fluorophenol	150	131	87		30 (18)	130 (112)
		Phenol-d6	150	127	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	89.1	89		30 (18)	130 (107)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB164940BL	PB164940BL	2-Fluorobiphenyl	100	90.7	91		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	132	88		30 (10)	130 (116)
		Terphenyl-d14	100	97.8	98		30 (10)	130 (105)
PB164940BS	PB164940BS	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	116	78		30 (15)	130 (107)
		Nitrobenzene-d5	100	83.4	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.1	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	85		30 (10)	130 (116)
		Terphenyl-d14	100	98.6	99		30 (10)	130 (105)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4821-01MS	Client Sample ID:	BP-F-24MS					DataFile:	BF140432.D		
Benzaldehyde	1100	0	130	ug/Kg	12	*			20 (10)	160 (86)	
Phenol	1100	0	1000	ug/Kg	91				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (54)	130 (125)	
2-Chlorophenol	1100	0	1000	ug/Kg	91				70 (79)	130 (107)	
2-Methylphenol	1100	0	1000	ug/Kg	91				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (65)	130 (110)	
Acetophenone	1100	0	1000	ug/Kg	91				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	1000	ug/Kg	91				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1100	0	950	ug/Kg	86				70 (59)	130 (119)	
Hexachloroethane	1100	0	960	ug/Kg	87				20 (65)	160 (117)	
Nitrobenzene	1100	0	970	ug/Kg	88				70 (70)	130 (119)	
Isophorone	1100	0	1000	ug/Kg	91				70 (76)	130 (122)	
2-Nitrophenol	1100	0	1100	ug/Kg	100				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1100	0	980	ug/Kg	89				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (118)	
Naphthalene	1100	0	990	ug/Kg	90				70 (72)	130 (110)	
4-Chloroaniline	1100	0	300	ug/Kg	27	*			70 (10)	130 (91)	
Hexachlorobutadiene	1100	0	980	ug/Kg	89				70 (66)	130 (114)	
Caprolactam	1100	0	1100	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1000	ug/Kg	91				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2300	0	2800	ug/Kg	122				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	1000	ug/Kg	91				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	1000	ug/Kg	91				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	1000	ug/Kg	91				70 (70)	130 (113)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (70)	130 (125)	
3-Nitroaniline	1100	0	670	ug/Kg	61	*			70 (30)	130 (99)	
Acenaphthene	1100	0	1100	ug/Kg	100				70 (70)	130 (121)	
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70				20 (10)	160 (155)	
4-Nitrophenol	2300	0	2100	ug/Kg	91				20 (45)	160 (133)	
Dibenzofuran	1100	0	1000	ug/Kg	91				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91				70 (55)	130 (128)	
Diethylphthalate	1100	0	1000	ug/Kg	91				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	1000	ug/Kg	91				70 (71)	130 (108)	
Fluorene	1100	0	1000	ug/Kg	91				70 (68)	130 (116)	
4-Nitroaniline	1100	0	950	ug/Kg	86				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	940	ug/Kg	85				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1000	ug/Kg	91				70 (67)	130 (118)	
Atrazine	1100	0	1200	ug/Kg	109				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	1900	ug/Kg	83				20 (47)	160 (128)	
Phenanthrene	1100	0	1000	ug/Kg	91				70 (52)	130 (128)	
Anthracene	1100	0	1100	ug/Kg	100				70 (62)	130 (124)	
Carbazole	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Di-n-butylphthalate	1100	0	1000	ug/Kg	91				70 (69)	130 (118)	
Fluoranthene	1100	0	890	ug/Kg	81				70 (44)	130 (125)	
Pyrene	1100	0	1000	ug/Kg	91				70 (26)	130 (142)	
Butylbenzylphthalate	1100	0	1000	ug/Kg	91				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	800	ug/Kg	73				70 (33)	130 (116)	
Benzo(a)anthracene	1100	0	1000	ug/Kg	91				70 (71)	130 (114)	
Chrysene	1100	0	1000	ug/Kg	91				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91				70 (42)	130 (169)	
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100				70 (23)	130 (175)	
Benzo(b)fluoranthene	1100	0	970	ug/Kg	88				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				70 (57)	130 (134)	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	790	ug/Kg	72				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1100	0	790	ug/Kg	72				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1100	0	660	ug/Kg	60	*			70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1100	0	1000	ug/Kg	91				70 (69)	130 (124)	
1,4-Dioxane	1100	0	960	ug/Kg	87				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4821-01MSD	Client Sample ID:	BP-F-24MSD					DataFile:	BF140433.D		
Benzaldehyde	1100	0	130	ug/Kg	12	*	0		20 (10)	160 (86)	30 (20)
Phenol	1100	0	970	ug/Kg	88		3		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	960	ug/Kg	87		4		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1100	0	1000	ug/Kg	91		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	1100	0	960	ug/Kg	87		4		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	930	ug/Kg	85		3		70 (65)	130 (110)	30 (20)
Acetophenone	1100	0	980	ug/Kg	89		2		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	990	ug/Kg	90		1		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	920	ug/Kg	84		2		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	930	ug/Kg	85		2		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	950	ug/Kg	86		2		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	960	ug/Kg	87		4		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1000	ug/Kg	91		9		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1200	ug/Kg	109		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	950	ug/Kg	86		3		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1000	ug/Kg	91		0		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	960	ug/Kg	87		3		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	200	ug/Kg	18	*	40	*	70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1100	0	940	ug/Kg	85		5		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1000	ug/Kg	91		9		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	980	ug/Kg	89		2		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	970	ug/Kg	88		3		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2300	0	2500	ug/Kg	109		11		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1000	ug/Kg	91		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	970	ug/Kg	88		3		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	990	ug/Kg	90		1		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	970	ug/Kg	88		3		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1000	ug/Kg	91		9		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	990	ug/Kg	90		1		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1100	ug/Kg	100		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	960	ug/Kg	87		4		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	550	ug/Kg	50	*	20		70 (30)	130 (99)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2300	0	1500	ug/Kg	65		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	2300	0	1900	ug/Kg	83		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1000	ug/Kg	91		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	990	ug/Kg	90		1		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	960	ug/Kg	87		4		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	980	ug/Kg	89		2		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	980	ug/Kg	89		2		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	860	ug/Kg	78		10		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	880	ug/Kg	80		6		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1100	0	1000	ug/Kg	91		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	970	ug/Kg	88		3		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	990	ug/Kg	90		1		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1100	ug/Kg	100		9		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78		6		20 (47)	160 (128)	30 (20)
Phenanthrene	1100	0	1000	ug/Kg	91		0		70 (52)	130 (128)	30 (20)
Anthracene	1100	0	1000	ug/Kg	91		9		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	940	ug/Kg	85		7		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	950	ug/Kg	86		6		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	0	820	ug/Kg	75		8		70 (44)	130 (125)	30 (20)
Pyrene	1100	0	890	ug/Kg	81		12		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1100	0	890	ug/Kg	81		12		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	710	ug/Kg	65	*	12		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1100	0	990	ug/Kg	90		1		70 (71)	130 (114)	30 (20)
Chrysene	1100	0	1000	ug/Kg	91		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	880	ug/Kg	80		13		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1100	0	1100	ug/Kg	100		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1100	0	980	ug/Kg	89		1		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1100	0	1100	ug/Kg	100		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	750	ug/Kg	68	*	6		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1100	0	760	ug/Kg	69	*	4		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1100	0	640	ug/Kg	58	*	3		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	990	ug/Kg	90		1		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	940	ug/Kg	85		2		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		0		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8270E

DataFile: BF140449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164940BS	Benzaldehyde	1700	1400	ug/Kg	82				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				70 (63)	130 (95)	
	Hexachloroethane	1700	1400	ug/Kg	82				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1500	ug/Kg	88				70 (59)	130 (99)	
	2-Nitrophenol	1700	1500	ug/Kg	88				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				70 (62)	130 (107)	
	Naphthalene	1700	1400	ug/Kg	82				70 (62)	130 (100)	
	4-Chloroaniline	1700	650	ug/Kg	38		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				70 (53)	130 (98)	
	Caprolactam	1700	1400	ug/Kg	82				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	5700	ug/Kg	173		*		20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1400	ug/Kg	82				70 (66)	130 (101)	
	Dimethylphthalate	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Acenaphthylene	1700	1600	ug/Kg	94				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	860	ug/Kg	51		*		70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	3000	ug/Kg	91				20 (37)	160 (128)	
	4-Nitrophenol	3300	2700	ug/Kg	82				20 (48)	160 (119)	
	Dibenzofuran	1700	1500	ug/Kg	88				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				70 (60)	130 (106)	
	Diethylphthalate	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1400	ug/Kg	82				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				70 (66)	130 (102)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4822

Client: BAPS North Bergen

Analytical Method: 8270E

DataFile: BF140449.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164940BS	Hexachlorobenzene	1700	1500	ug/Kg	88				70 (64)	130 (98)		
	Atrazine	1700	1700	ug/Kg	100				70 (47)	130 (152)		
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)		
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)		
	Anthracene	1700	1600	ug/Kg	94				70 (61)	130 (105)		
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)		
	Fluoranthene	1700	1400	ug/Kg	82				70 (57)	130 (107)		
	Pyrene	1700	1600	ug/Kg	94				70 (59)	130 (103)		
	Butylbenzylphthalate	1700	1700	ug/Kg	100				70 (55)	130 (103)		
	3,3-Dichlorobenzidine	1700	930	ug/Kg	55		*		70 (42)	130 (91)		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)		
	Chrysene	1700	1500	ug/Kg	88				70 (59)	130 (101)		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				70 (54)	130 (135)		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				70 (62)	130 (109)		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				70 (62)	130 (109)		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				70 (63)	130 (103)		
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)		
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)		
	1,4-Dioxane	1700	1200	ug/Kg	71				20 (50)	160 (96)		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164940BL

Lab Name: CHEMTECH

Contract: BAPS03

Lab Code: CHEM Case No.: P4822

SAS No.: P4822 SDG NO.: P4822

Lab File ID: BF140448.D

Lab Sample ID: PB164940BL

Instrument ID: BNA_F

Date Extracted: 11/13/2024

Matrix: (soil/water) SOIL

Date Analyzed: 11/18/2024

Level: (low/med) LOW

Time Analyzed: 12:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164940BS	PB164940BS	BF140449.D	11/18/2024
SOIL-3	P4822-06	BF140516.D	11/20/2024
SOIL-4	P4822-08	BF140517.D	11/20/2024
SOIL-5	P4822-10	BF140514.D	11/20/2024
SOIL-6	P4822-12	BF140515.D	11/20/2024
SOIL-2	P4822-04	BF140584.D	11/22/2024
SOIL-1	P4822-02	BF140585.D	11/22/2024
BP-F-24MS	P4821-01MS	BF140432.D	11/16/2024
BP-F-24MSD	P4821-01MSD	BF140433.D	11/16/2024

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab 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: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab File ID: BF140416.DDFTPP Injection Date: 11/16/2024Instrument ID: BNA_FDFTPP Injection Time: 09:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
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	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	17.5 (18.7) 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	BF140417.D	11/16/2024	09:34
BP-F-24MS	P4821-01MS	BF140432.D	11/16/2024	16:16
BP-F-24MSD	P4821-01MSD	BF140433.D	11/16/2024	16:42



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab File ID: BF140442.DDFTPP Injection Date: 11/18/2024Instrument ID: BNA_FDFTPP Injection Time: 09:18

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.3
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	48.2
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	28.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	97.5
443	15.0 - 24.0% of mass 442	18.1 (18.5) 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	BF140443.D	11/18/2024	10:13
PB164940BL	PB164940BL	BF140448.D	11/18/2024	12:24
PB164940BS	PB164940BS	BF140449.D	11/18/2024	12:50



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab File ID: BF140500.DDFTPP Injection Date: 11/20/2024Instrument ID: BNA_FDFTPP Injection Time: 15:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.7
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50
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	6.8
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	92.2
443	15.0 - 24.0% of mass 442	16.9 (18.3) 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	BF140501.D	11/20/2024	15:59
SOIL-5	P4822-10	BF140514.D	11/20/2024	21:47
SOIL-6	P4822-12	BF140515.D	11/20/2024	22:13
SOIL-3	P4822-06	BF140516.D	11/20/2024	22:40
SOIL-4	P4822-08	BF140517.D	11/20/2024	23:06



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab File ID: BF140526.DDFTPP Injection Date: 11/21/2024Instrument ID: BNA_FDFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
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	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF140528.D	11/21/2024	11:13
SSTDICC005	SSTDICC005	BF140529.D	11/21/2024	11:39
SSTDICC010	SSTDICC010	BF140530.D	11/21/2024	12:05
SSTDICC020	SSTDICC020	BF140531.D	11/21/2024	12:32
SSTDICCC040	SSTDICCC040	BF140532.D	11/21/2024	12:58
SSTDICC050	SSTDICC050	BF140533.D	11/21/2024	13:25
SSTDICC060	SSTDICC060	BF140534.D	11/21/2024	13:51
SSTDICC080	SSTDICC080	BF140535.D	11/21/2024	14:18



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: BAPS03Lab Code: CHEMSAS No.: P4822 SDG NO.: P4822Lab File ID: BF140563.DDFTPP Injection Date: 11/22/2024Instrument ID: BNA_FDFTPP Injection Time: 08:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.9
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43
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
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (17.9) 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	BF140564.D	11/22/2024	09:20
SOIL-2	P4822-04	BF140584.D	11/22/2024	18:09
SOIL-1	P4822-02	BF140585.D	11/22/2024	18:35

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

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	171491	6.875	639592	8.16	364979	9.92
UPPER LIMIT	342982	7.375	1279180	8.657	729958	10.416
LOWER LIMIT	85745.5	6.375	319796	7.657	182490	9.416
EPA SAMPLE NO.						
01 BP-F-24MS	124316	6.88	461071	8.16	252226	9.91
02 BP-F-24MSD	119493	6.88	442293	8.16	241191	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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

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	687284	11.404	387415	14.051	336604	15.545
UPPER LIMIT	1374570	11.904	774830	14.551	673208	16.045
LOWER LIMIT	343642	10.904	193708	13.551	168302	15.045
EPA SAMPLE NO.						
01 BP-F-24MS	475583	11.40	261264	14.05	262017	15.55
02 BP-F-24MSD	435790	11.40	249345	14.05	247757	15.53

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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	140634	6.875	521097	8.16	286394	9.92
UPPER LIMIT	281268	7.375	1042190	8.657	572788	10.416
LOWER LIMIT	70317	6.375	260549	7.657	143197	9.416
EPA SAMPLE NO.						
01 PB164940BL	137693	6.88	537124	8.15	302062	9.91
02 PB164940BS	140752	6.88	537412	8.16	299132	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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/18/2024

Lab File ID: BF140443.D Time Analyzed: 10:13

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	525142	11.404	270046	14.074	249102	15.604
UPPER LIMIT	1050280	11.904	540092	14.574	498204	16.104
LOWER LIMIT	262571	10.904	135023	13.574	124551	15.104
EPA SAMPLE NO.						
01 PB164940BL	571216	11.40	335934	14.05	283190	15.56
02 PB164940BS	551457	11.40	299750	14.06	260212	15.56

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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/20/2024

Lab File ID: BF140501.D Time Analyzed: 15:59

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	136554	6.875	508396	8.16	278192	9.91
UPPER LIMIT	273108	7.375	1016790	8.657	556384	10.41
LOWER LIMIT	68277	6.375	254198	7.657	139096	9.41
EPA SAMPLE NO.						
01 SOIL-3	101523	6.88	323761	8.15	143091	9.91
02 SOIL-4	96480	6.88	314709	8.15	146621	9.91
03 SOIL-5	107776	6.88	358604	8.15	160401	9.91
04 SOIL-6	108224	6.88	360674	8.15	164153	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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/20/2024

Lab File ID: BF140501.D Time Analyzed: 15:59

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	526085	11.398	294226	14.045	277583	15.533
UPPER LIMIT	1052170	11.898	588452	14.545	555166	16.033
LOWER LIMIT	263043	10.898	147113	13.545	138792	15.033
EPA SAMPLE NO.						
01 SOIL-3	281764	11.40	215041	14.05	157125	15.54
02 SOIL-4	284987	11.40	192365	14.05	146314	15.55
03 SOIL-5	277554	11.40	237366	14.05	185982	15.53
04 SOIL-6	294426	11.40	239458	14.05	181365	15.55

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	98979	6.869	364482	8.15	206333	9.91
UPPER LIMIT	197958	7.369	728964	8.651	412666	10.41
LOWER LIMIT	49489.5	6.369	182241	7.651	103167	9.41
EPA SAMPLE NO.						
01 SOIL-1	92752	6.87	331348	8.15	154566	9.90
02 SOIL-2	94553	6.87	339272	8.15	155649	9.90

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.: P4822 SAS No.: P4822 SDG NO.: P4822

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/22/2024

Lab File ID: BF140564.D Time Analyzed: 09:20

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	385080	11.398	243124	14.051	183783	15.539
UPPER LIMIT	770160	11.898	486248	14.551	367566	16.039
LOWER LIMIT	192540	10.898	121562	13.551	91891.5	15.039
EPA SAMPLE NO.						
01 SOIL-1	245783	11.40	154652	14.05	119489	15.53
02 SOIL-2	243666	11.40	157983	14.05	117092	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:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140585.D	1	11/13/24 09:15	11/22/24 18:35	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	89.6	U	89.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.5	U	90.5	180	ug/Kg
95-57-8	2-Chlorophenol	90.3	U	90.3	180	ug/Kg
95-48-7	2-Methylphenol	87.1	U	87.1	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.3	U	98.3	180	ug/Kg
98-86-2	Acetophenone	94.0	U	94.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	86.3	U	86.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.6	U	43.6	86.5	ug/Kg
67-72-1	Hexachloroethane	89.7	U	89.7	180	ug/Kg
98-95-3	Nitrobenzene	98.2	U	98.2	180	ug/Kg
78-59-1	Isophorone	91.5	U	91.5	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.8	U	92.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.6	U	81.6	180	ug/Kg
91-20-3	Naphthalene	89.3	U	89.3	180	ug/Kg
106-47-8	4-Chloroaniline	89.3	UQ	89.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.1	U	90.1	180	ug/Kg
105-60-2	Caprolactam	93.8	U	93.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.8	U	83.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	89.2	U	89.2	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.2	U	77.2	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.0	U	80.0	180	ug/Kg
92-52-4	1,1-Biphenyl	94.5	U	94.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.1	U	90.1	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	88.3	U	88.3	180	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
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
BF140585.D	1	11/13/24 09:15	11/22/24 18:35	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	93.5	U	93.5	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.0	U	90.0	180	ug/Kg
99-09-2	3-Nitroaniline	96.4	UQ	96.4	180	ug/Kg
83-32-9	Acenaphthene	87.7	U	87.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	91.3	U	91.3	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.2	U	93.2	180	ug/Kg
84-66-2	Diethylphthalate	86.6	U	86.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.5	U	92.5	180	ug/Kg
86-73-7	Fluorene	92.4	U	92.4	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.2	U	88.2	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.3	U	85.3	180	ug/Kg
118-74-1	Hexachlorobenzene	91.9	U	91.9	180	ug/Kg
1912-24-9	Atrazine	98.8	U	98.8	180	ug/Kg
87-86-5	Pentachlorophenol	83.6	U	83.6	360	ug/Kg
85-01-8	Phenanthrene	90.8	U	90.8	180	ug/Kg
120-12-7	Anthracene	91.3	U	91.3	180	ug/Kg
86-74-8	Carbazole	86.8	U	86.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	91.1	U	91.1	180	ug/Kg
206-44-0	Fluoranthene	130	J	88.3	180	ug/Kg
129-00-0	Pyrene	140	J	89.7	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	96.6	J	87.3	180	ug/Kg
218-01-9	Chrysene	90.8	J	86.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.4	U	98.4	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	87.7	180	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
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
BF140585.D	1	11/13/24 09:15	11/22/24 18:35	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	89.3	U	89.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.4	U	84.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.8	U	87.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.6	U	86.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.8	U	93.8	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.8	U	80.8	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.9		30 (18) - 130 (112)	53%	SPK: 150
13127-88-3	Phenol-d6	76.3		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.0		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.4		30 (20) - 130 (109)	62%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.5		30 (10) - 130 (116)	44%	SPK: 150
1718-51-0	Terphenyl-d14	51.9		30 (10) - 130 (105)	52%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	92800	6.869
1146-65-2	Naphthalene-d8	331000	8.151
15067-26-2	Acenaphthene-d10	155000	9.904
1517-22-2	Phenanthrene-d10	246000	11.398
1719-03-5	Chrysene-d12	155000	14.045
1520-96-3	Perylene-d12	119000	15.533

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J	2.12	ug/Kg
000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	340	J	11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	200	J	13.9	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
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
BF140585.D	1	11/13/24 09:15	11/22/24 18:35	PB164940

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\BF112224\
 Data File : BF140585.D
 Acq On : 22 Nov 2024 18:35
 Operator : RC/JU
 Sample : P4822-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

Quant Time: Nov 22 22:16:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

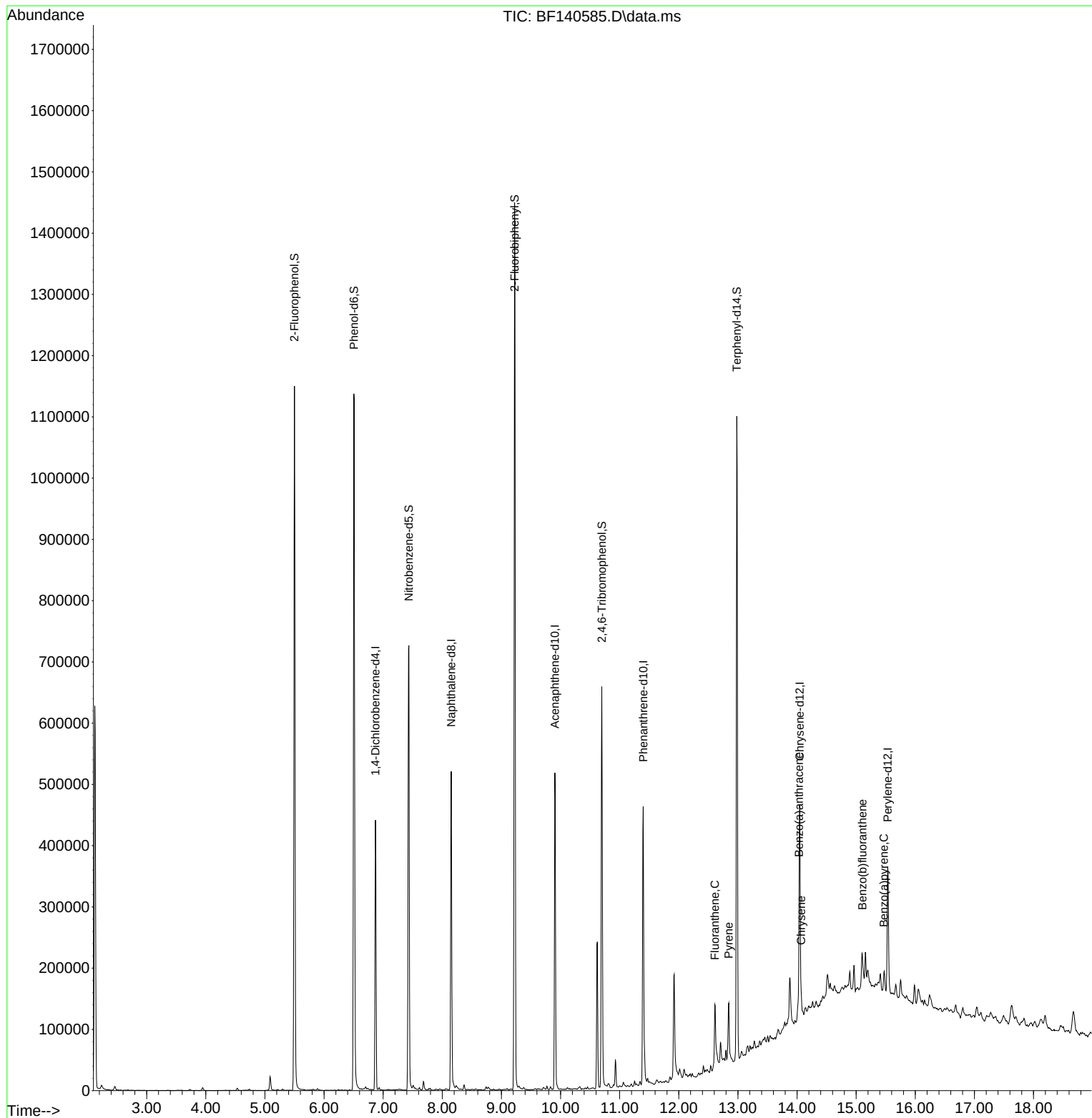
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	92752	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331348	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	154566	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	245783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	154652	20.000	ng	0.00
86) Perylene-d12	15.533	264	119489	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	428701	78.861	ng	0.00
7) Phenol-d6	6.504	99	548553	76.329	ng	-0.01
23) Nitrobenzene-d5	7.434	82	343419	53.014	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	109896	66.479	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	647259	62.393	ng	-0.01
79) Terphenyl-d14	12.980	244	515203	51.874	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.610	202	46260	3.606	ng	99
78) Pyrene	12.845	202	55476	3.880	ng	98
81) Benzo(a)anthracene	14.033	228	27433	2.680	ng	92
83) Chrysene	14.069	228	23594	2.520	ng	97
88) Benzo(b)fluoranthene	15.104	252	34344m	4.576	ng	
90) Benzo(a)pyrene	15.468	252	17420	2.855	ng	# 82

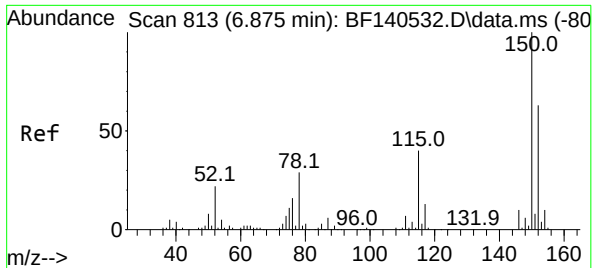
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Time: Nov 22 22:16:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

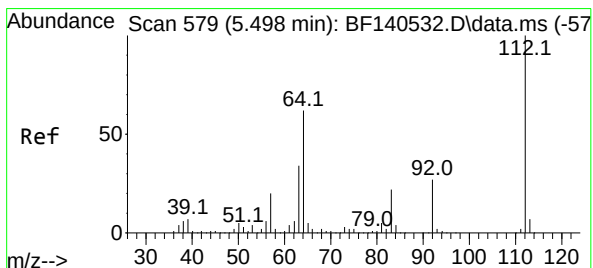
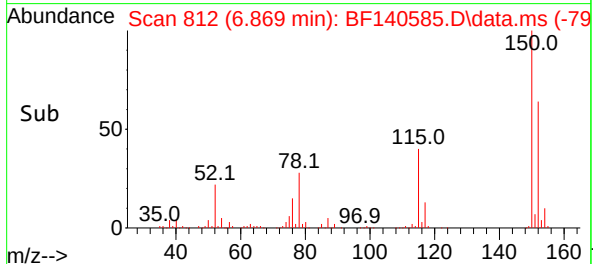
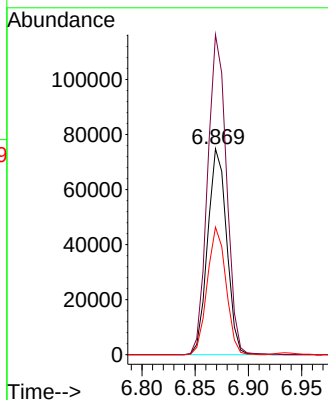
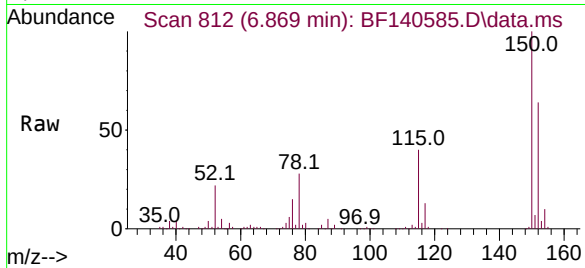




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

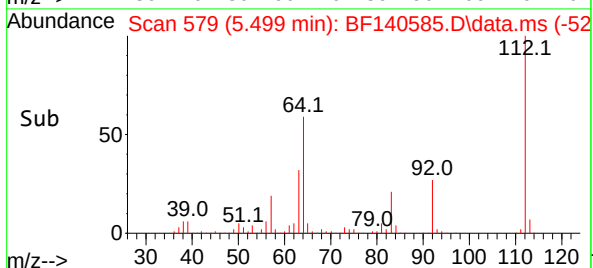
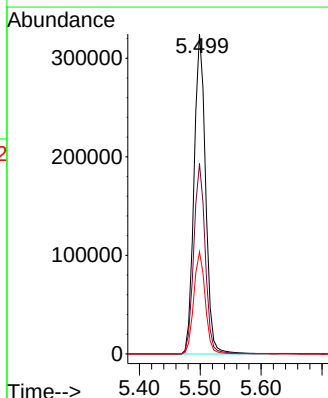
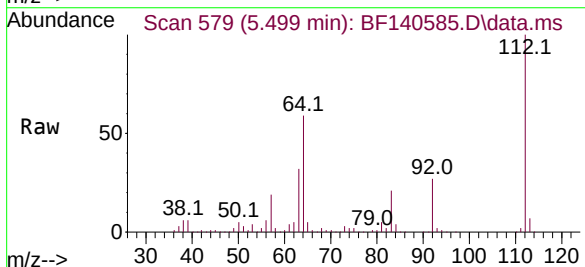
Instrument :
BNA_F
ClientSampleId :
SOIL-1

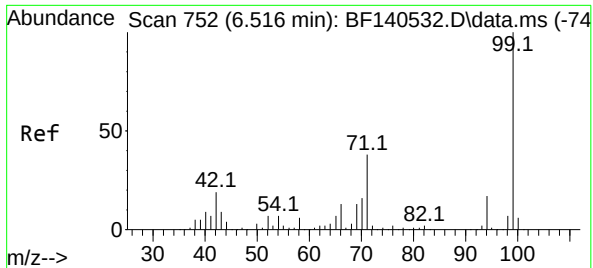
Tgt Ion:152 Resp: 92752
Ion Ratio Lower Upper
152 100
150 155.3 128.5 192.7
115 61.9 50.2 75.4



#5
2-Fluorophenol
Concen: 78.861 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion:112 Resp: 428701
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 31.9 27.0 40.4

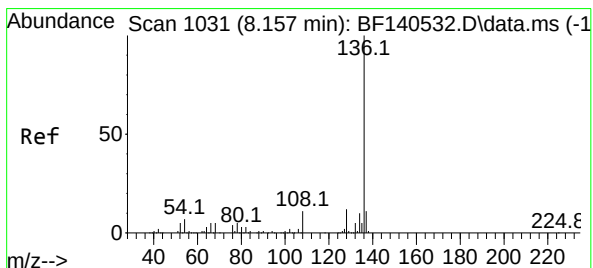
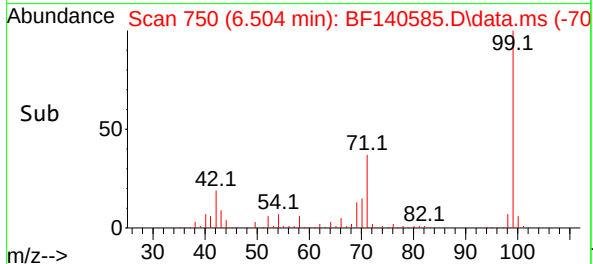
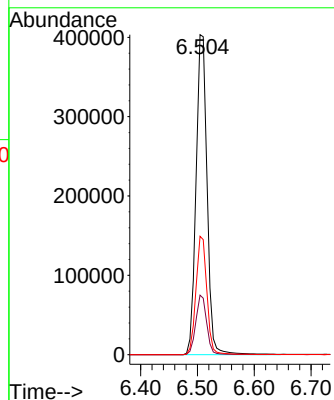
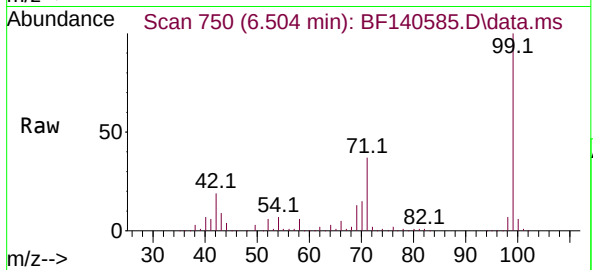




#7
Phenol-d6
Concen: 76.329 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

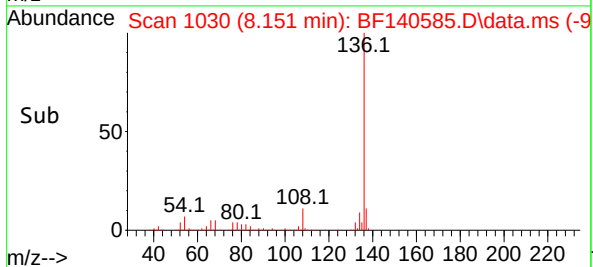
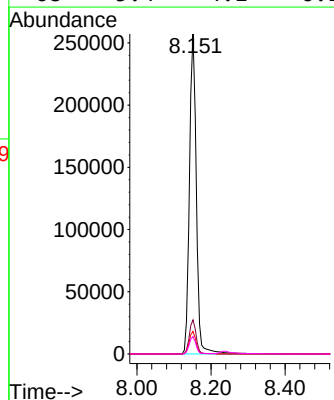
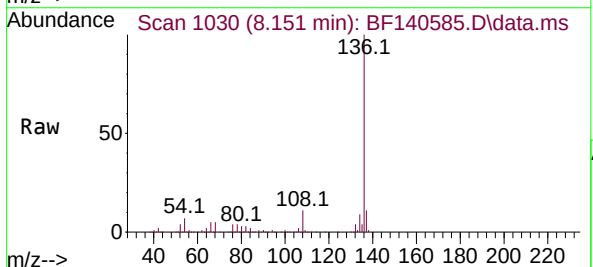
Instrument :
BNA_F
ClientSampleId :
SOIL-1

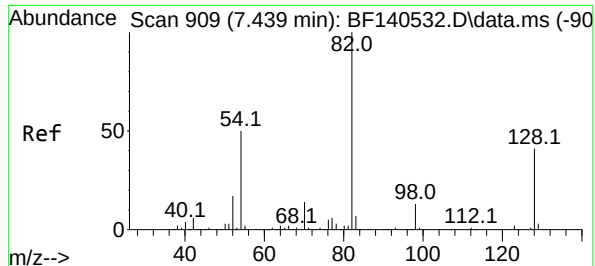
Tgt Ion: 99 Resp: 548553
Ion Ratio Lower Upper
99 100
42 18.6 15.4 23.0
71 37.0 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140585.D
Acq: 22 Nov 2024 18:35

Tgt Ion: 136 Resp: 331348
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.0 5.8 8.8
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 53.014 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

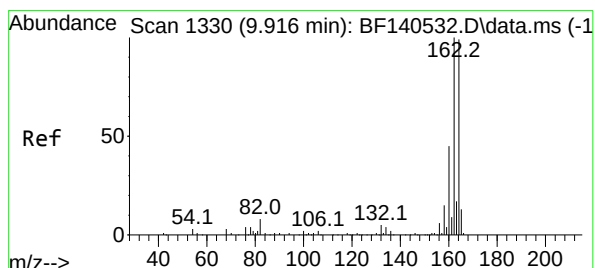
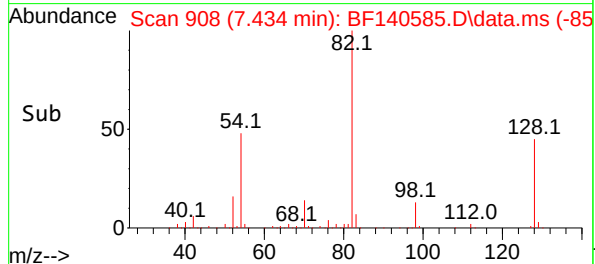
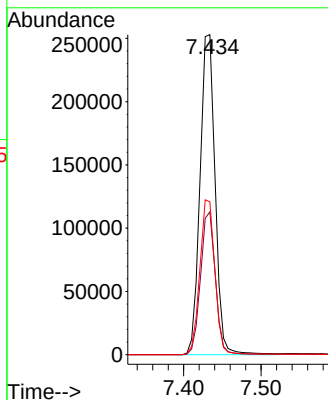
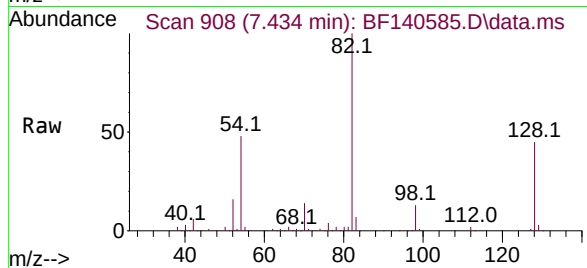
Tgt Ion: 82 Resp: 343419

Ion Ratio Lower Upper

82 100

128 44.6 33.0 49.4

54 47.8 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

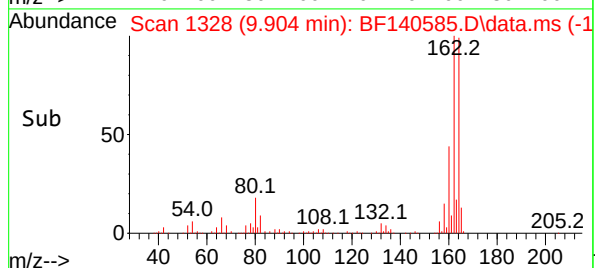
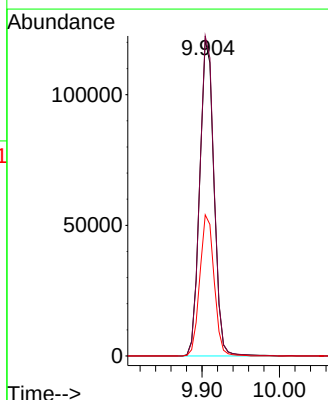
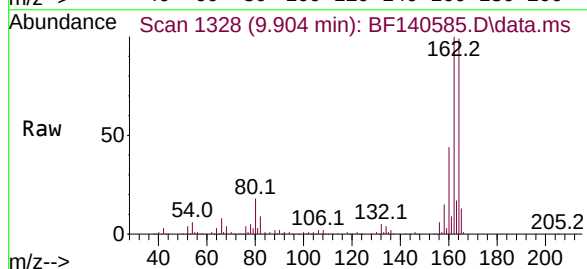
Tgt Ion:164 Resp: 154566

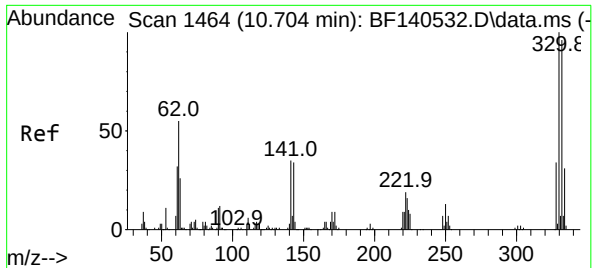
Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

160 44.7 36.2 54.4

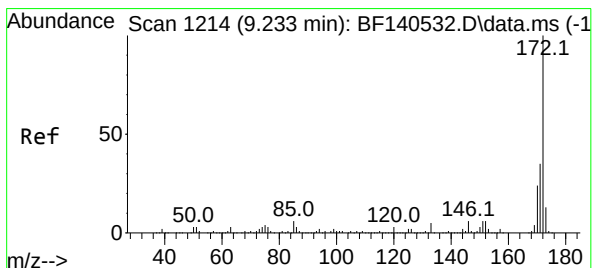
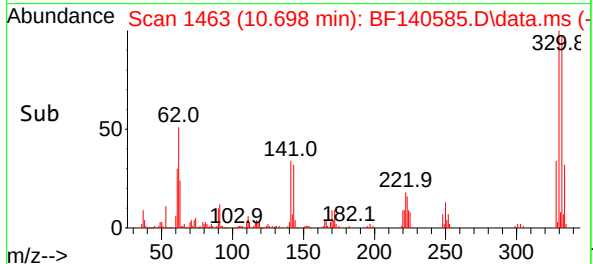
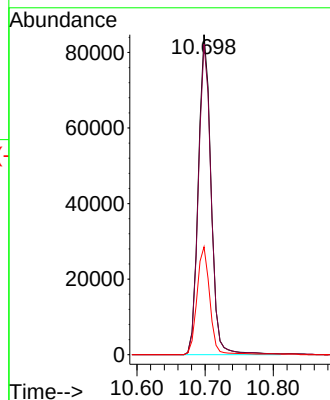
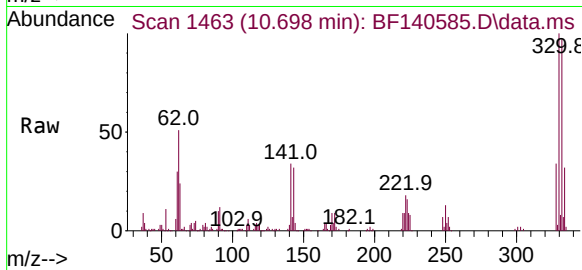




#42
 2,4,6-Tribromophenol
 Concen: 66.479 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF140585.D
 Acq: 22 Nov 2024 18:35

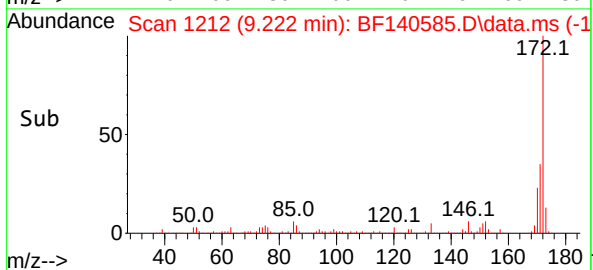
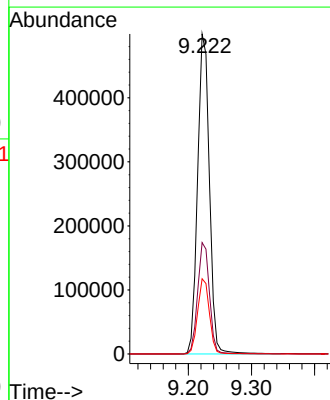
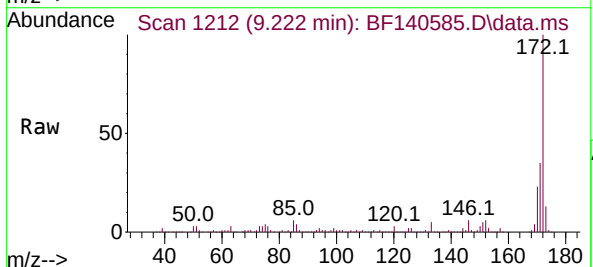
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

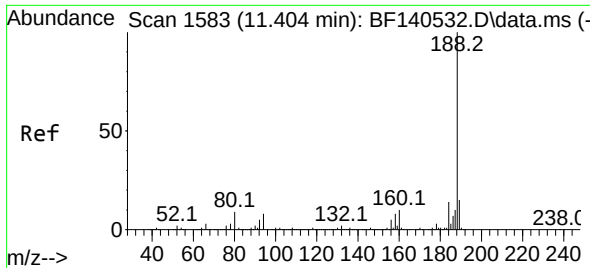
Tgt Ion:330 Resp: 109896
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.9 115.3
 141 34.0 26.7 40.1



#45
 2-Fluorobiphenyl
 Concen: 62.393 ng
 RT: 9.222 min Scan# 1212
 Delta R.T. -0.012 min
 Lab File: BF140585.D
 Acq: 22 Nov 2024 18:35

Tgt Ion:172 Resp: 647259
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.4 42.6
 170 23.5 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

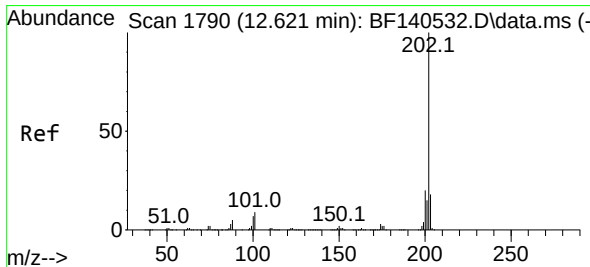
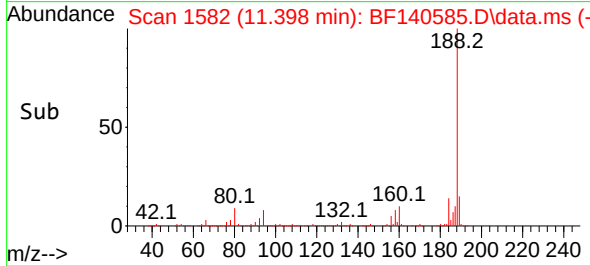
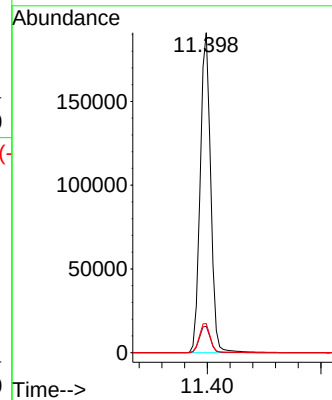
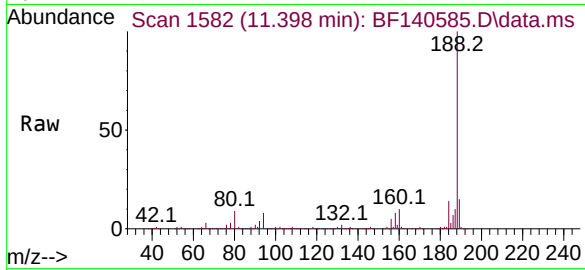
Tgt Ion:188 Resp: 245783

Ion Ratio Lower Upper

188 100

94 8.3 6.4 9.6

80 9.1 6.9 10.3



#75

Fluoranthene

Concen: 3.606 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

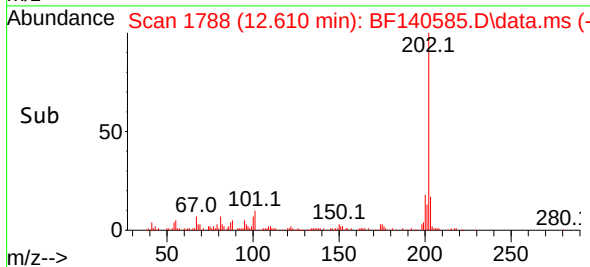
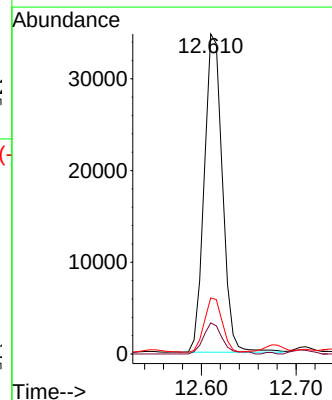
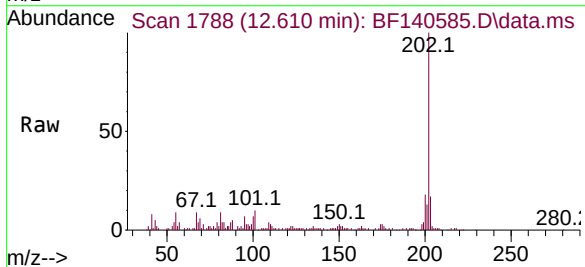
Tgt Ion:202 Resp: 46260

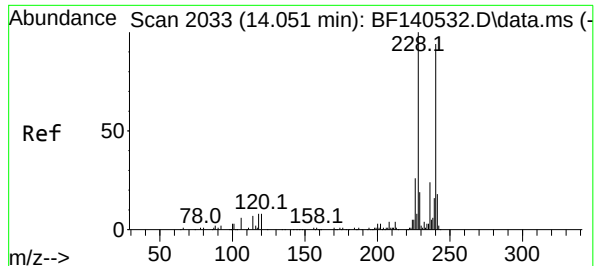
Ion Ratio Lower Upper

202 100

101 9.7 0.0 28.9

203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

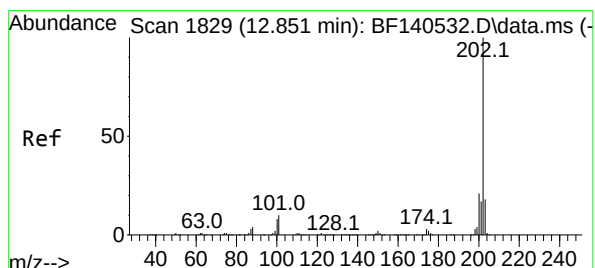
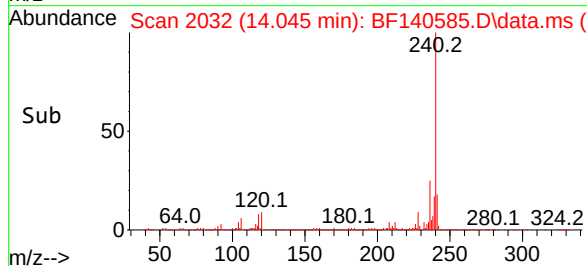
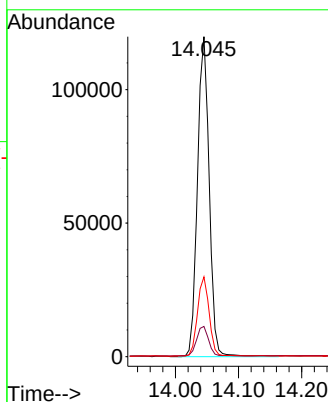
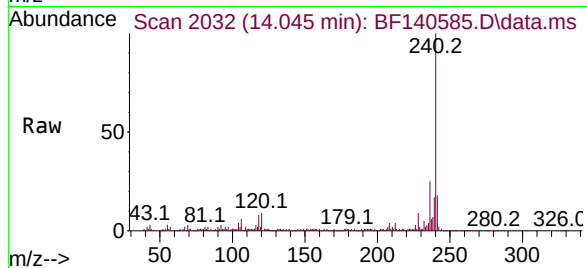
Tgt Ion:240 Resp: 154652

Ion Ratio Lower Upper

240 100

120 9.4 7.3 10.9

236 24.9 20.6 31.0



#78

Pyrene

Concen: 3.880 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

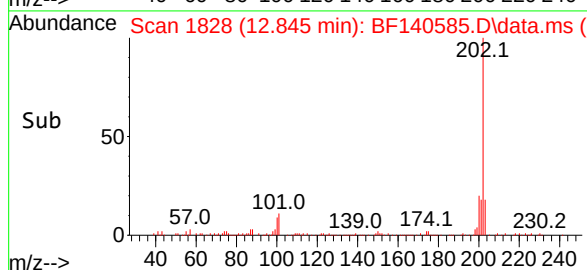
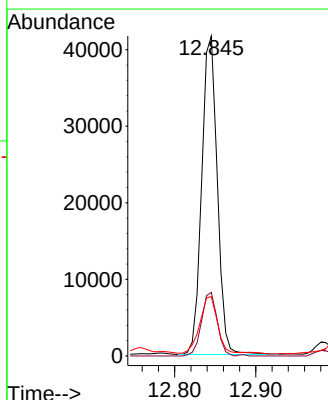
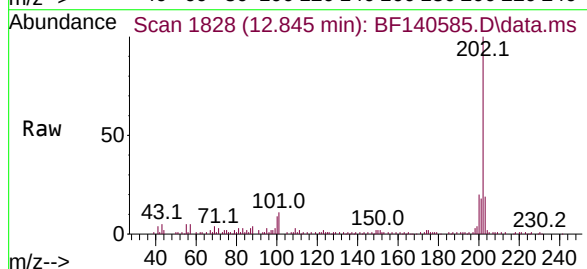
Tgt Ion:202 Resp: 55476

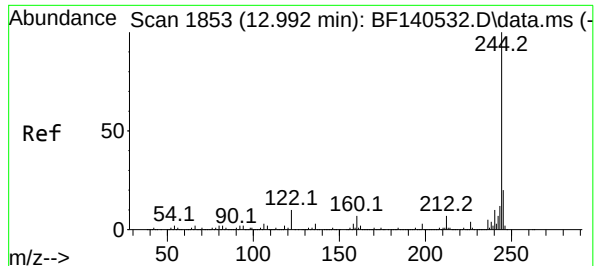
Ion Ratio Lower Upper

202 100

200 19.9 16.5 24.7

203 18.5 14.2 21.4





#79

Terphenyl-d14

Concen: 51.874 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

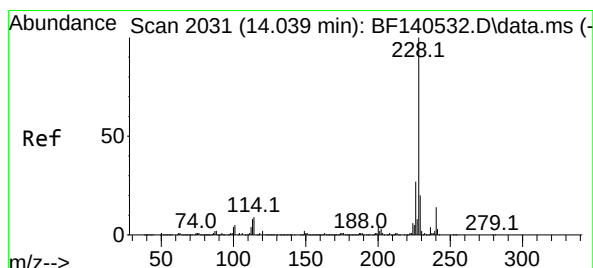
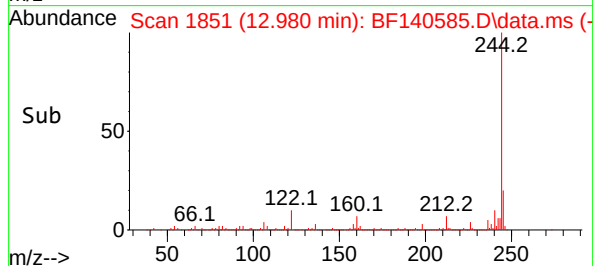
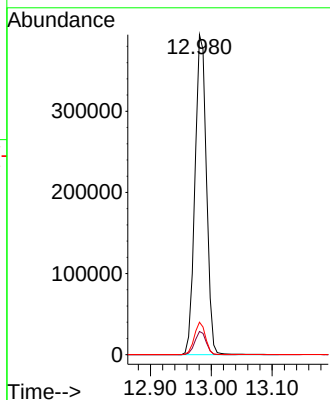
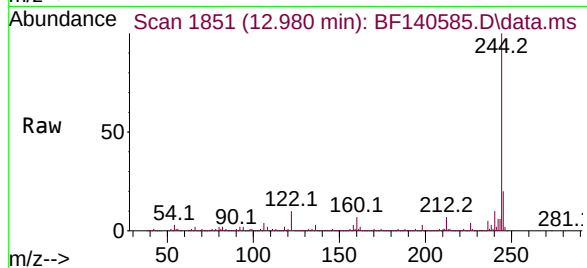
Tgt Ion:244 Resp: 515203

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.2 8.0 12.0



#81

Benzo(a)anthracene

Concen: 2.680 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

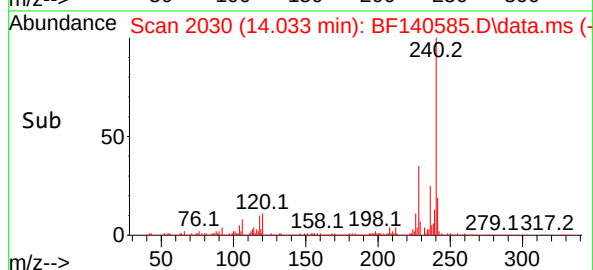
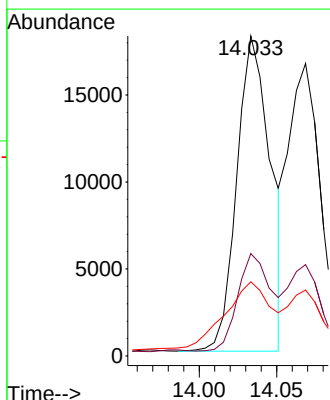
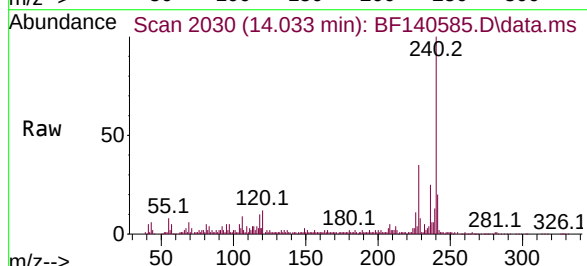
Tgt Ion:228 Resp: 27433

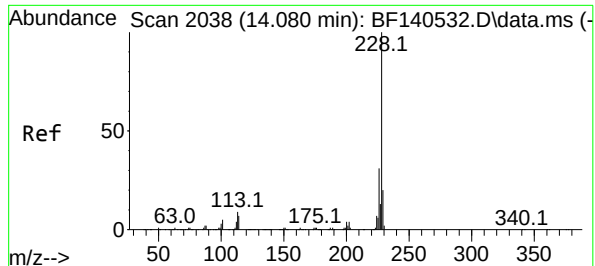
Ion Ratio Lower Upper

228 100

226 32.0 21.8 32.8

229 23.2 15.8 23.6





#83

Chrysene

Concen: 2.520 ng

RT: 14.069 min Scan# 2038

Delta R.T. -0.012 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

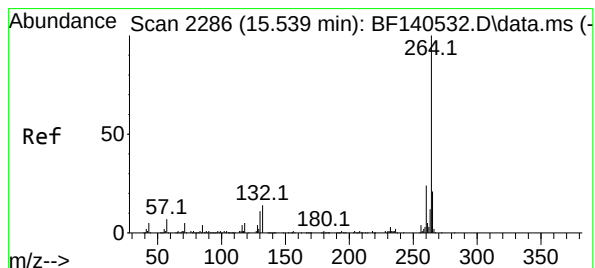
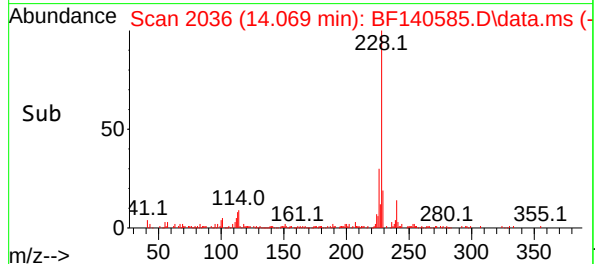
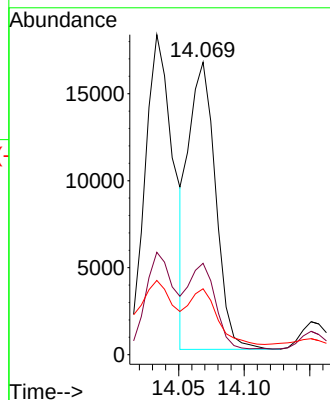
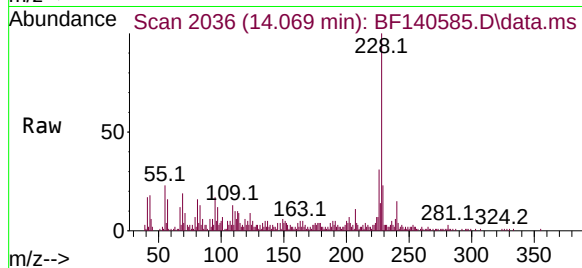
Tgt Ion:228 Resp: 23594

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 22.5 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

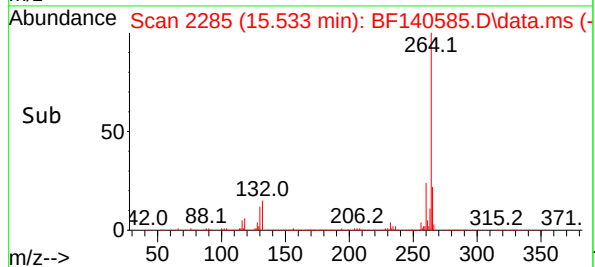
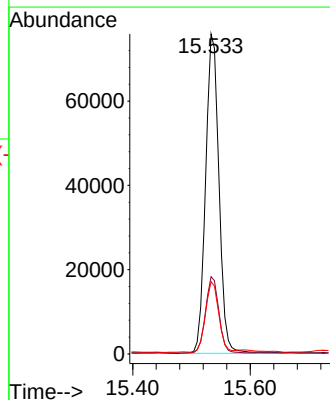
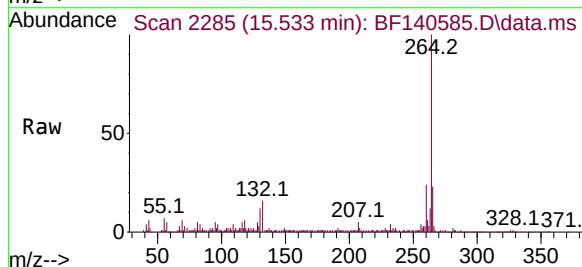
Tgt Ion:264 Resp: 119489

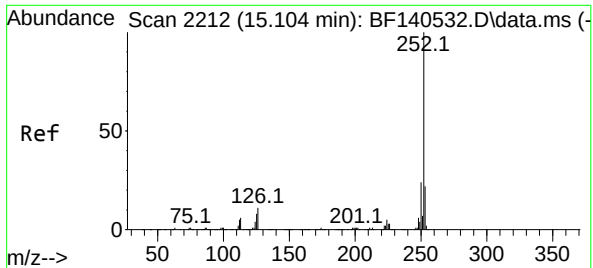
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.6 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 4.576 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

Instrument :

BNA_F

ClientSampleId :

SOIL-1

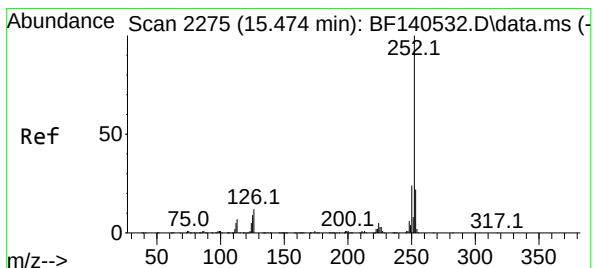
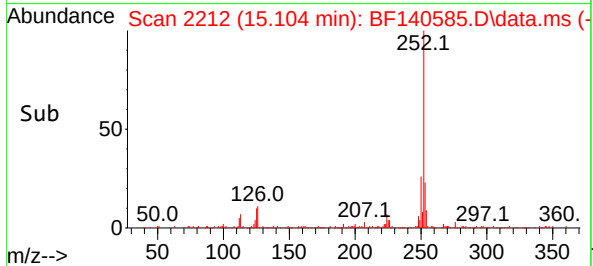
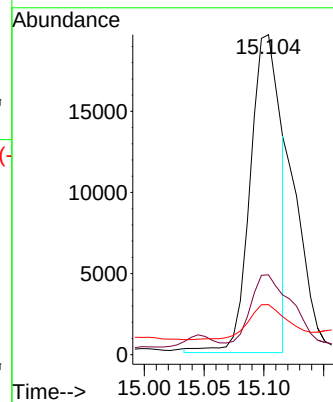
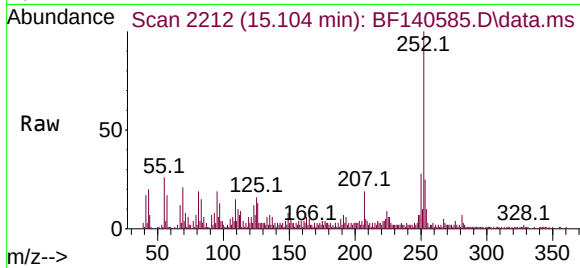
Tgt Ion:252 Resp: 34344

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

125 15.6 6.7 10.1#



#90

Benzo(a)pyrene

Concen: 2.855 ng

RT: 15.468 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF140585.D

Acq: 22 Nov 2024 18:35

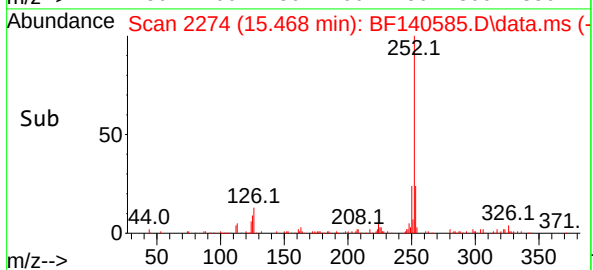
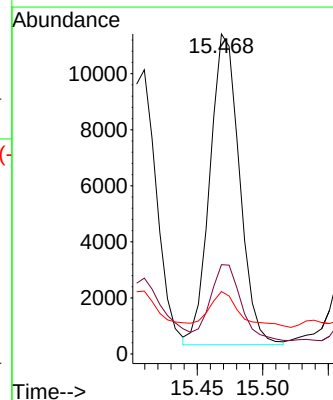
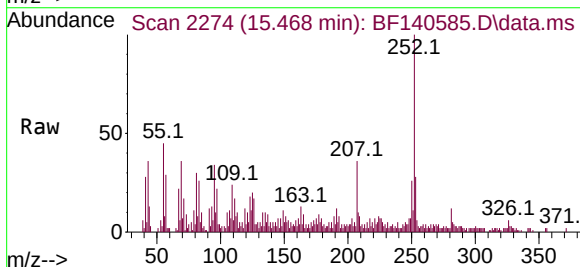
Tgt Ion:252 Resp: 17420

Ion Ratio Lower Upper

252 100

253 27.9 17.3 25.9#

125 19.5 7.0 10.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140585.D
 Acq On : 22 Nov 2024 18:35
 Operator : RC/JU
 Sample : P4822-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-1

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-BF112124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140585.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	5	17	rVB	624277	828754	44.91%	6.088%
2	5.087	505	509	518	rVB	21900	32633	1.77%	0.240%
3	5.499	573	579	601	rBV	1149357	1514043	82.04%	11.123%
4	6.504	745	750	768	rBV	1136210	1563066	84.70%	11.483%
5	6.869	807	812	817	rBV	440266	536580	29.08%	3.942%
6	7.434	902	908	917	rBV	725690	981833	53.20%	7.213%
7	7.681	945	950	960	rVB	14066	22209	1.20%	0.163%
8	8.151	1025	1030	1041	rBV	519591	665213	36.05%	4.887%
9	9.222	1207	1212	1222	rBV	1448064	1845498	100.00%	13.558%
10	9.904	1323	1328	1340	rBV	516591	661578	35.85%	4.860%
11	10.622	1444	1450	1458	rBV	240054	321219	17.41%	2.360%
12	10.698	1458	1463	1473	rBV	653707	845250	45.80%	6.210%
13	10.928	1498	1502	1507	rVB	44433	56622	3.07%	0.416%
14	11.398	1576	1582	1592	rBV	454207	654167	35.45%	4.806%
15	11.922	1665	1671	1683	rVV3	172552	308604	16.72%	2.267%
16	12.016	1683	1687	1694	rVB3	14467	30537	1.65%	0.224%
17	12.086	1696	1699	1705	rBV5	12224	21459	1.16%	0.158%
18	12.610	1784	1788	1801	rBV	98245	173164	9.38%	1.272%
19	12.704	1801	1804	1810	rBV	33134	52568	2.85%	0.386%
20	12.845	1823	1828	1840	rVB	95422	156938	8.50%	1.153%
21	12.980	1846	1851	1859	rVB	1048084	1366053	74.02%	10.036%
22	13.874	2000	2003	2015	rVB2	74887	140997	7.64%	1.036%
23	14.045	2027	2032	2040	rVB2	337032	497293	26.95%	3.653%
24	15.533	2281	2285	2294	rVB	207402	335861	18.20%	2.467%

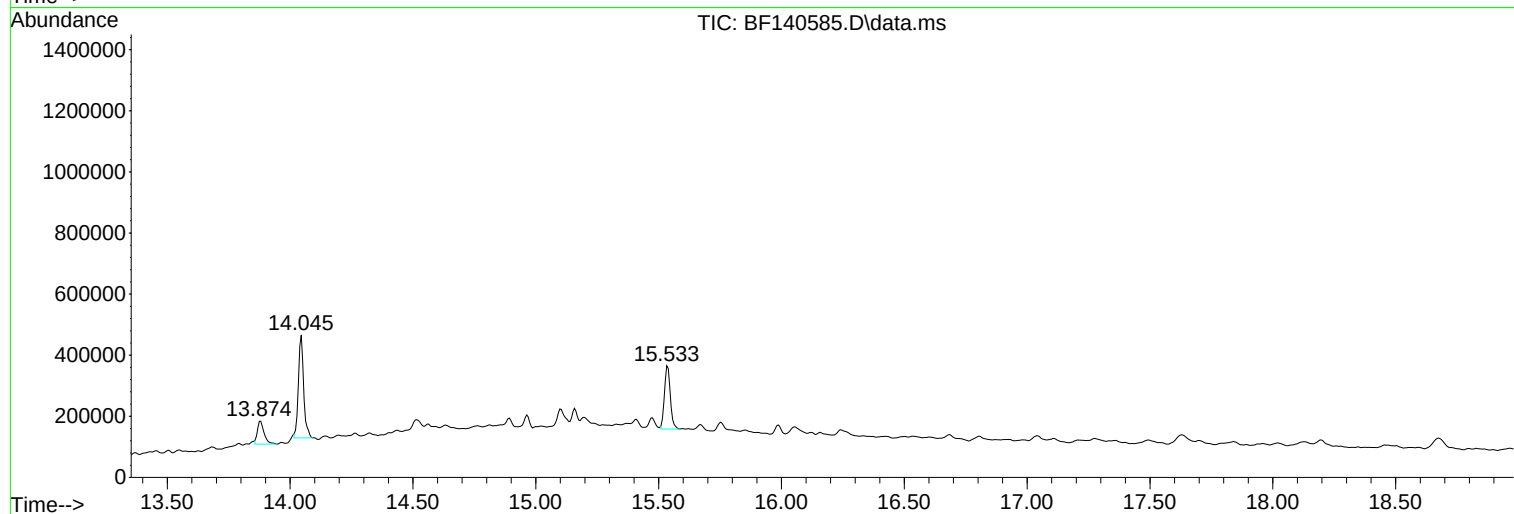
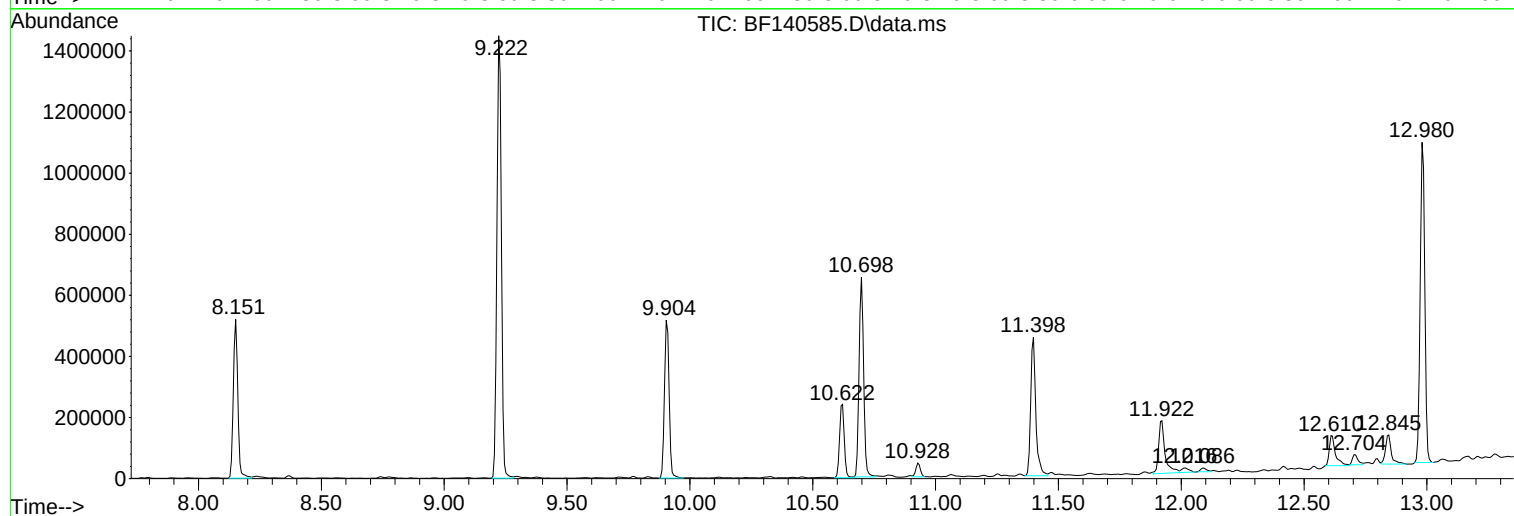
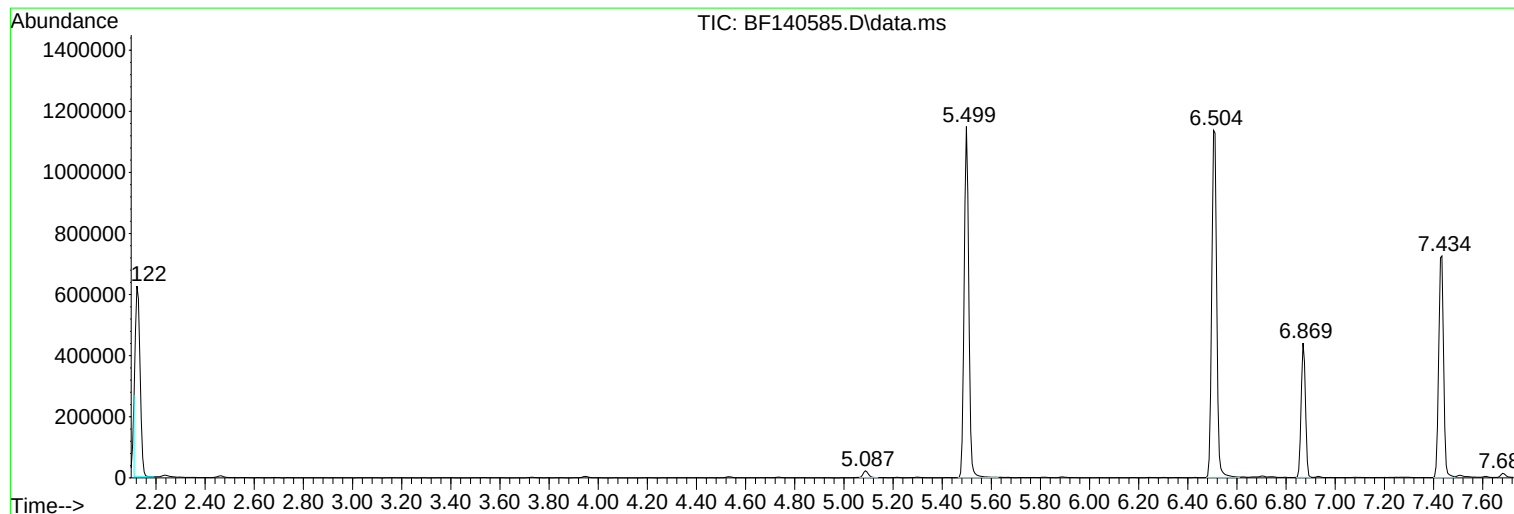
Sum of corrected areas: 13612139

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

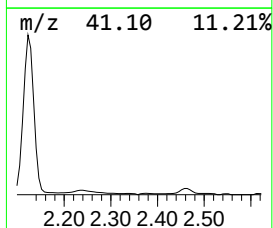
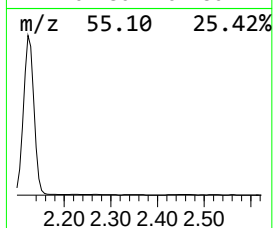
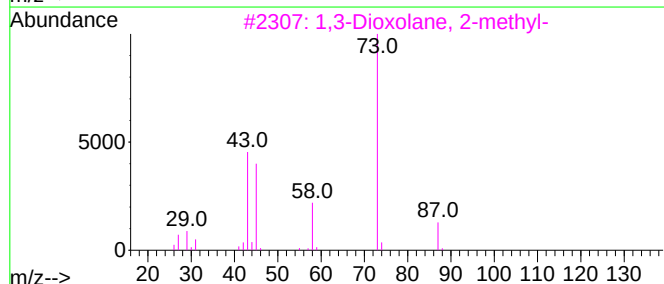
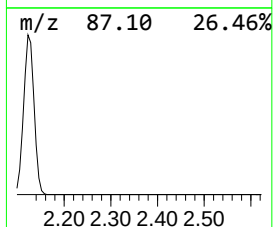
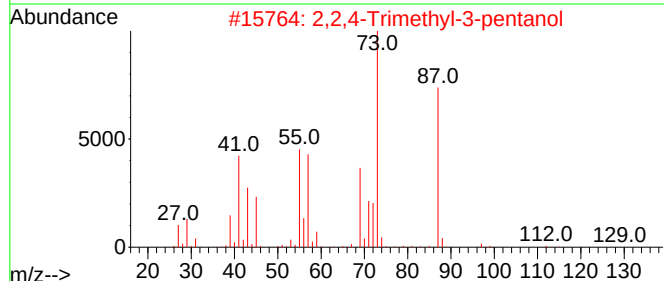
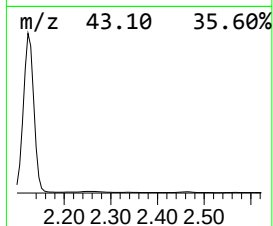
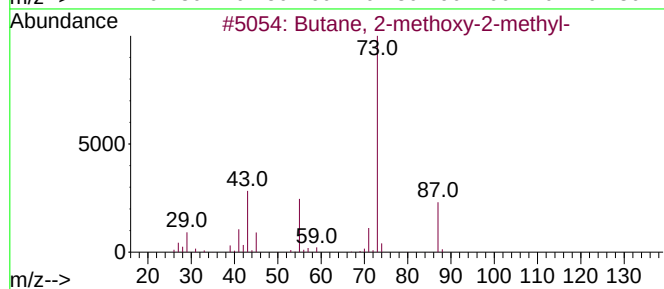
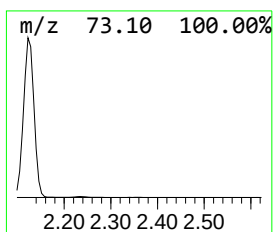
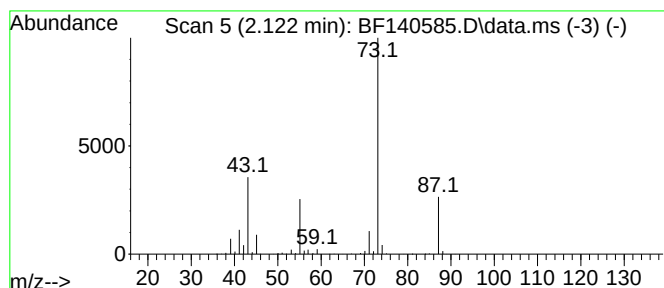
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.122	30.89 ng	828754	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

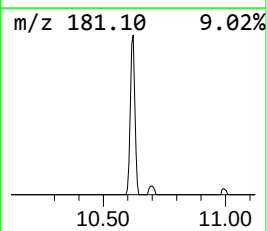
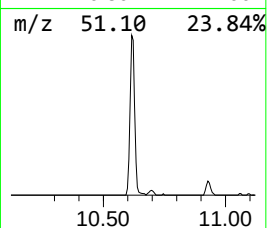
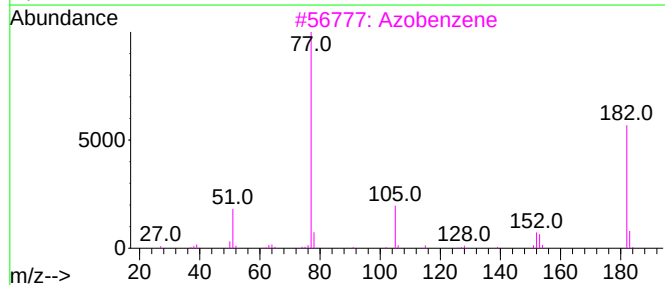
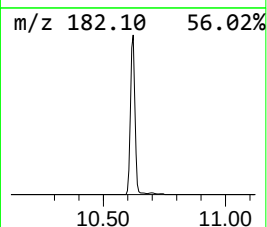
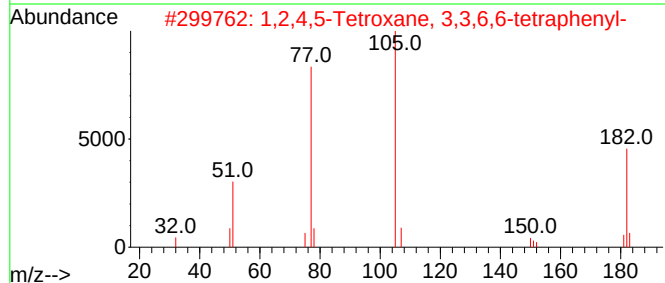
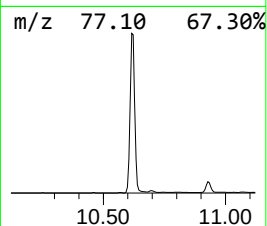
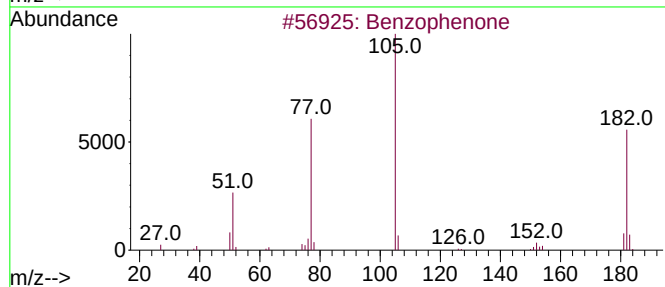
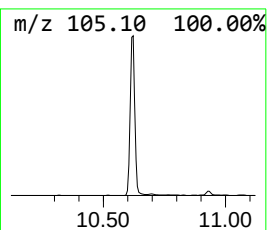
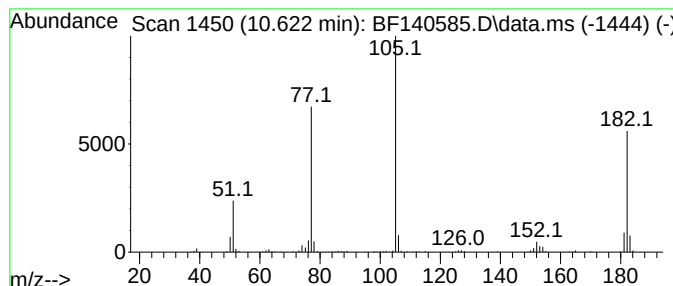
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	9.71 ng	321219	Acenaphthene-d10	9.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Azobenzene	182	C12H10N2	000103-33-3	58
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

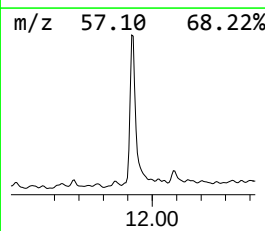
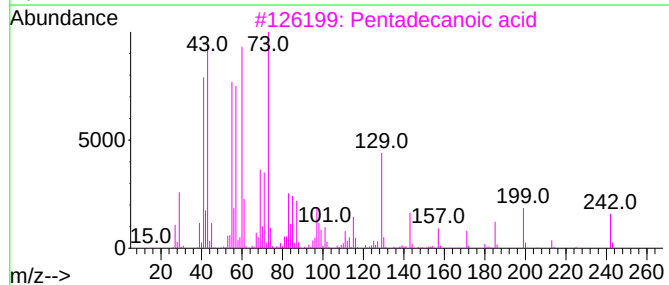
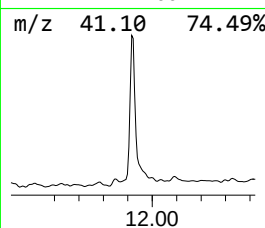
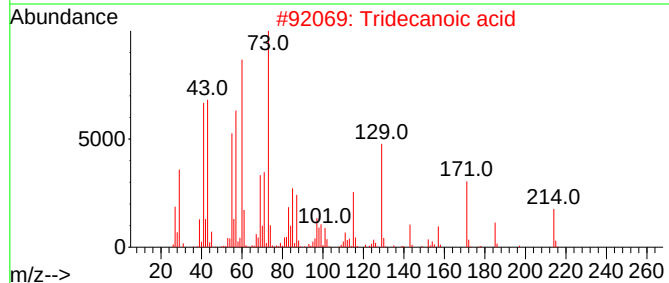
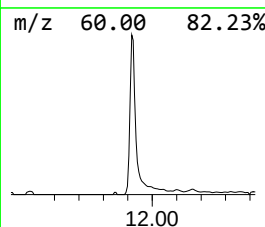
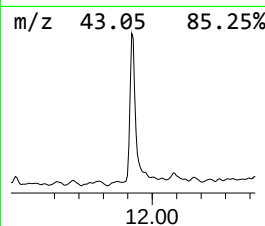
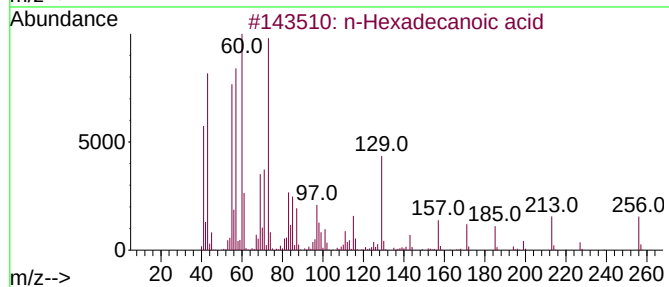
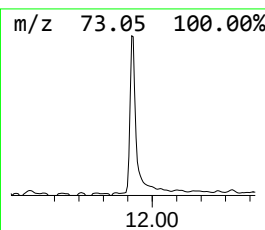
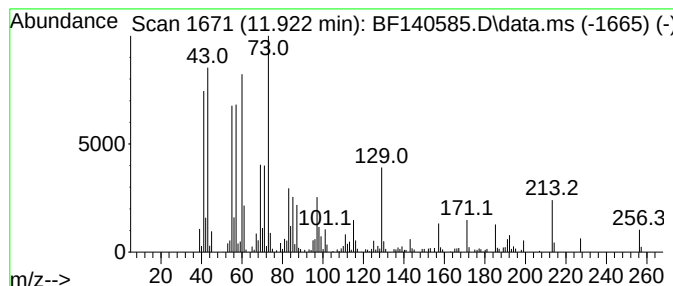
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	9.44 ng	308604	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

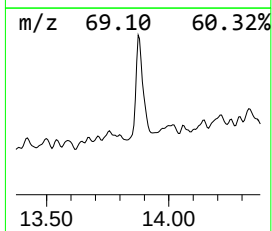
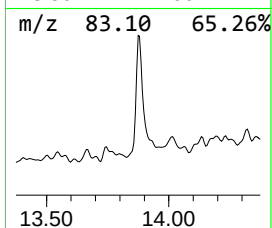
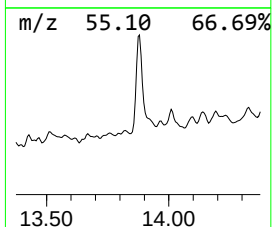
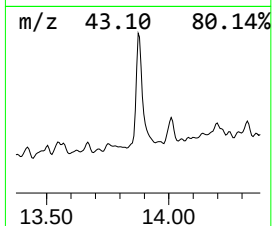
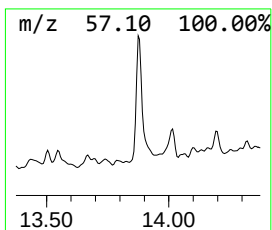
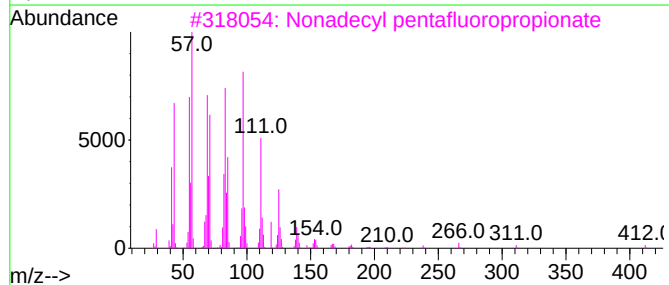
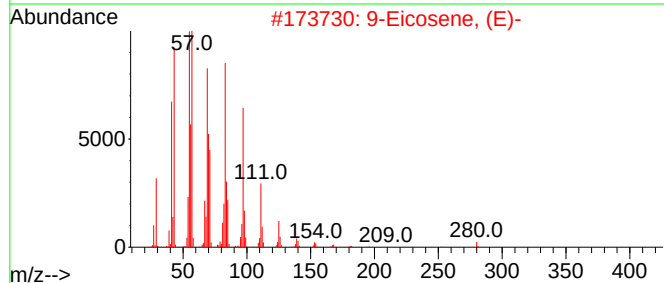
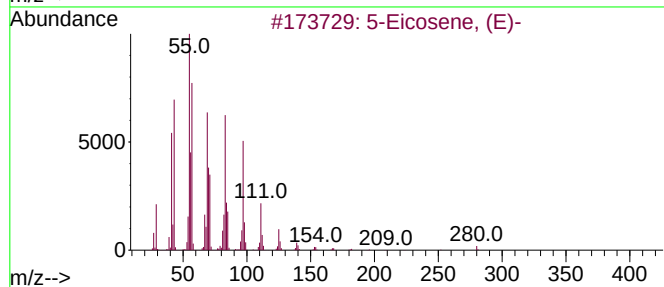
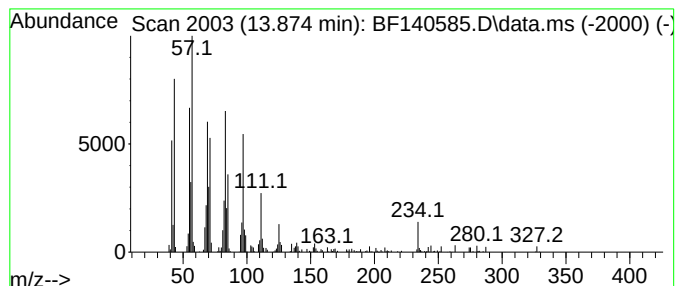
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 5-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	5.67 ng	140997	Chrysene-d12	14.045

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		5-Eicosene, (E)-	280	C20H40	074685-30-6	93
2		9-Eicosene, (E)-	280	C20H40	074685-29-3	93
3		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
4		Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	90
5		1-Hexacosene	364	C26H52	018835-33-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140585.D
Acq On : 22 Nov 2024 18:35
Operator : RC/JU
Sample : P4822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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
Butane, 2-metho...	2.122	30.9	ng	828754	1	6.869	536580	20.0
Benzophenone	10.622	9.7	ng	321219	3	9.904	661578	20.0
n-Hexadecanoic ...	11.922	9.4	ng	308604	4	11.398	654167	20.0
5-Eicosene, (E)-	13.874	5.7	ng	140997	5	14.045	497293	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140584.D	1	11/13/24 09:15	11/22/24 18:09	PB164940

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	92.3	U	92.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.2	U	93.2	190	ug/Kg
95-57-8	2-Chlorophenol	92.9	U	92.9	190	ug/Kg
95-48-7	2-Methylphenol	89.7	U	89.7	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	96.7	U	96.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.8	U	88.8	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.9	U	44.9	89.0	ug/Kg
67-72-1	Hexachloroethane	92.4	U	92.4	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	94.2	U	94.2	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.5	U	95.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.0	U	84.0	190	ug/Kg
91-20-3	Naphthalene	91.9	U	91.9	190	ug/Kg
106-47-8	4-Chloroaniline	91.9	UQ	91.9	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.7	U	92.7	190	ug/Kg
105-60-2	Caprolactam	96.6	U	96.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.3	U	86.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.8	U	91.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.5	U	79.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.4	U	82.4	190	ug/Kg
92-52-4	1,1-Biphenyl	97.3	U	97.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.7	U	92.7	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	90.9	U	90.9	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.05 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
BF140584.D	1	11/13/24 09:15	11/22/24 18:09	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	96.3	U	96.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.6	U	92.6	190	ug/Kg
99-09-2	3-Nitroaniline	99.3	UQ	99.3	190	ug/Kg
83-32-9	Acenaphthene	90.3	U	90.3	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	93.9	U	93.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.9	U	95.9	190	ug/Kg
84-66-2	Diethylphthalate	89.1	U	89.1	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.3	U	95.3	190	ug/Kg
86-73-7	Fluorene	95.2	U	95.2	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	90.8	U	90.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.8	U	87.8	190	ug/Kg
118-74-1	Hexachlorobenzene	94.6	U	94.6	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	86.0	U	86.0	370	ug/Kg
85-01-8	Phenanthrene	93.5	U	93.5	190	ug/Kg
120-12-7	Anthracene	93.9	U	93.9	190	ug/Kg
86-74-8	Carbazole	89.4	U	89.4	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.8	U	93.8	190	ug/Kg
206-44-0	Fluoranthene	90.9	U	90.9	190	ug/Kg
129-00-0	Pyrene	92.4	U	92.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.8	U	89.8	190	ug/Kg
218-01-9	Chrysene	88.5	U	88.5	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	90.3	U	90.3	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.05 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
BF140584.D	1	11/13/24 09:15	11/22/24 18:09	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	91.9	U	91.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.9	U	86.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.4	U	90.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.1	U	89.1	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.6	U	96.6	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.1	U	83.1	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	75.6		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	75.0		30 (15) - 130 (107)	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.5		30 (18) - 130 (107)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.8		30 (20) - 130 (109)	58%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.2		30 (10) - 130 (116)	43%	SPK: 150
1718-51-0	Terphenyl-d14	49.3		30 (10) - 130 (105)	49%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	94600	6.869
1146-65-2	Naphthalene-d8	339000	8.151
15067-26-2	Acenaphthene-d10	156000	9.904
1517-22-2	Phenanthrene-d10	244000	11.398
1719-03-5	Chrysene-d12	158000	14.045
1520-96-3	Perylene-d12	117000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1400	J	2.13	ug/Kg
000119-61-9	Benzophenone	440	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	88.3	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J	11.9	ug/Kg
074685-33-9	3-Eicosene, (E)-	280	J	13.9	ug/Kg
000629-99-2	Pentacosane	110	J	15.2	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.05 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
BF140584.D	1	11/13/24 09:15	11/22/24 18:09	PB164940

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\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Time: Nov 22 22:16:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

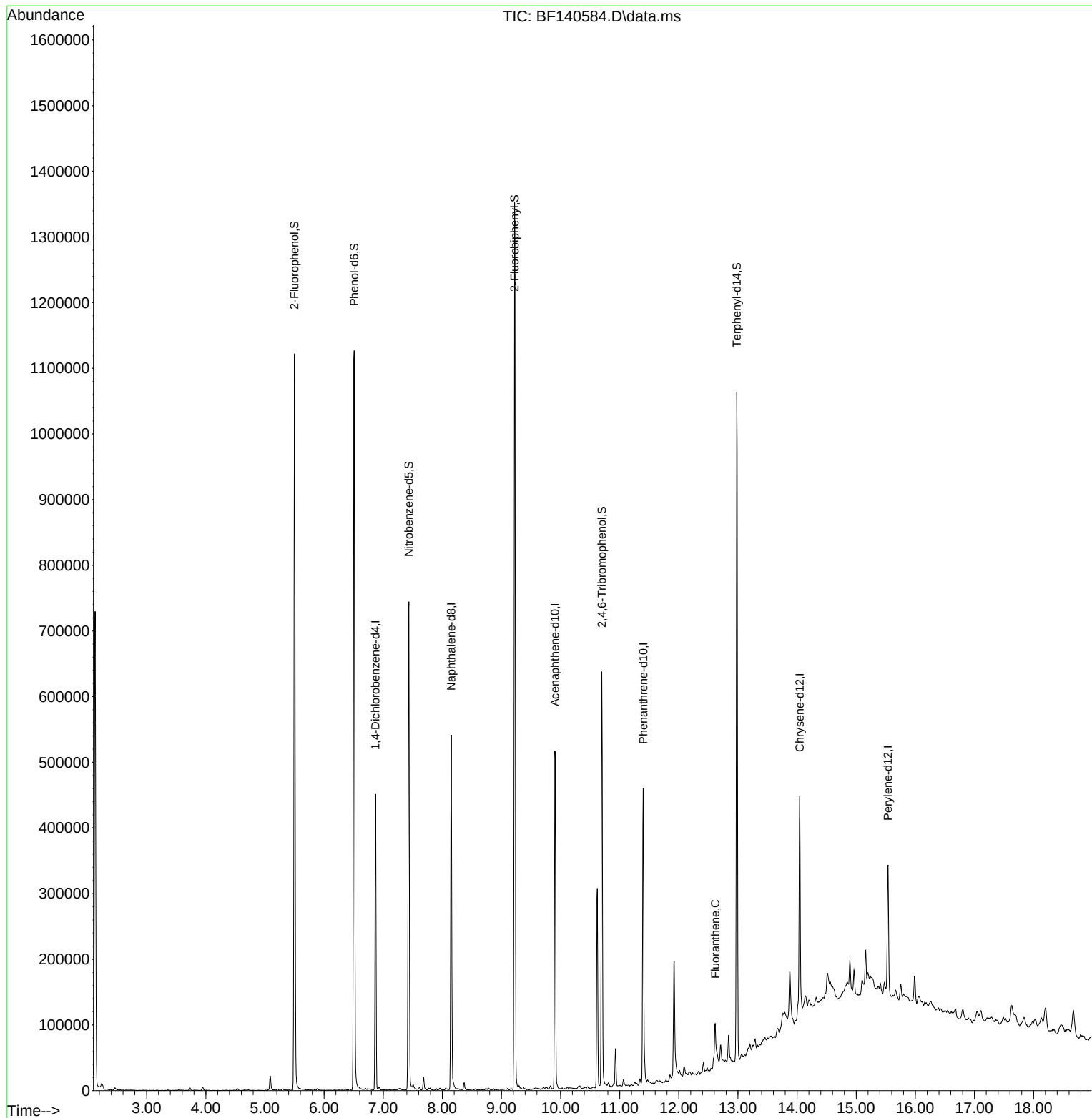
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	94553	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	339272	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	155649	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	243666	20.000	ng	0.00
76) Chrysene-d12	14.045	240	157983	20.000	ng	0.00
86) Perylene-d12	15.539	264	117092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	419099	75.626	ng	0.00
7) Phenol-d6	6.510	99	549384	74.988	ng	0.00
23) Nitrobenzene-d5	7.433	82	348518	52.544	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	106942	64.242	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	604217	57.838	ng	-0.01
79) Terphenyl-d14	12.980	244	499927	49.274	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.615	202	27109	2.132	ng	97

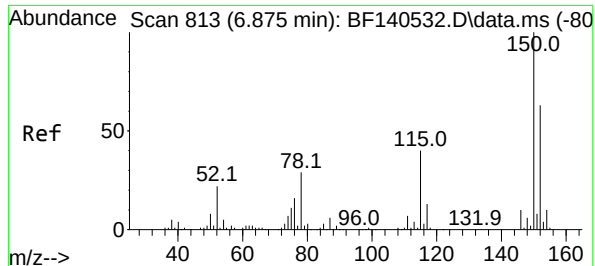
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

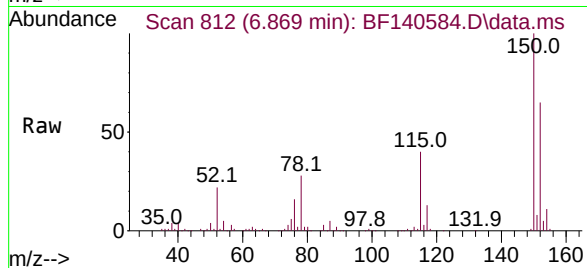
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



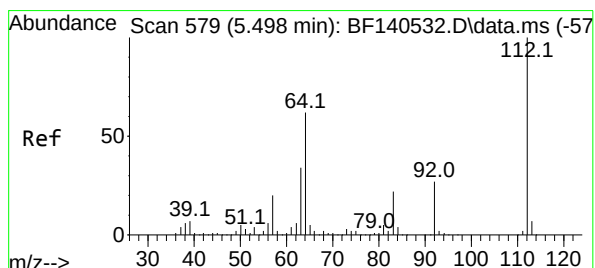
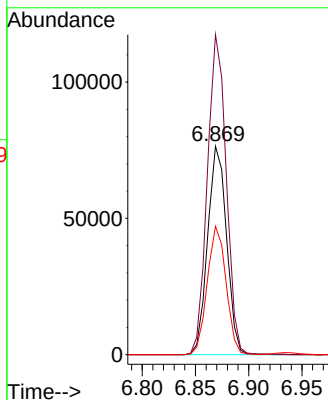
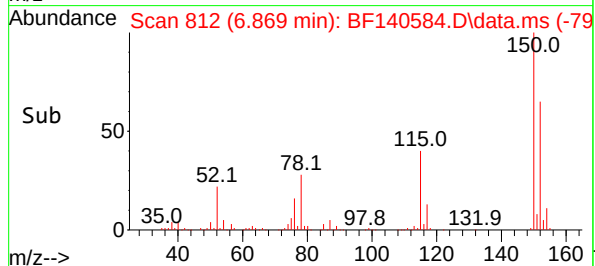


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

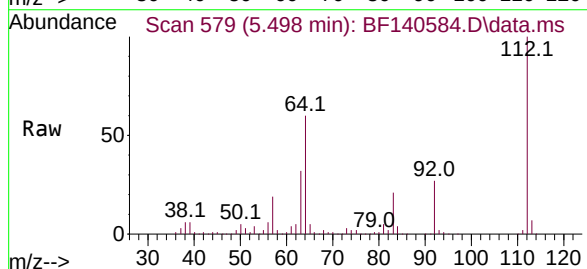
Instrument :
BNA_F
ClientSampleId :
SOIL-2



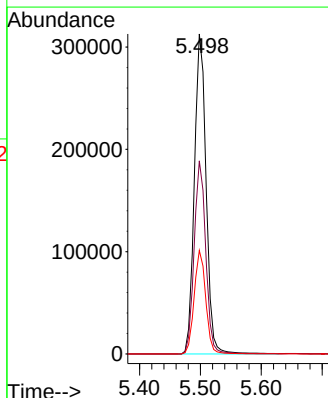
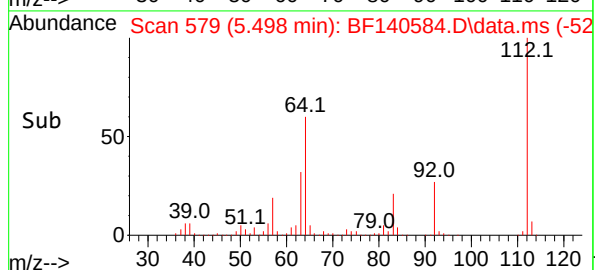
Tgt Ion:152 Resp: 94553
Ion Ratio Lower Upper
152 100
150 153.5 128.5 192.7
115 61.7 50.2 75.4

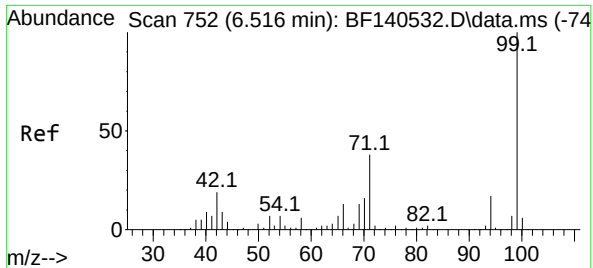


#5
2-Fluorophenol
Concen: 75.626 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09



Tgt Ion:112 Resp: 419099
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 32.4 27.0 40.4

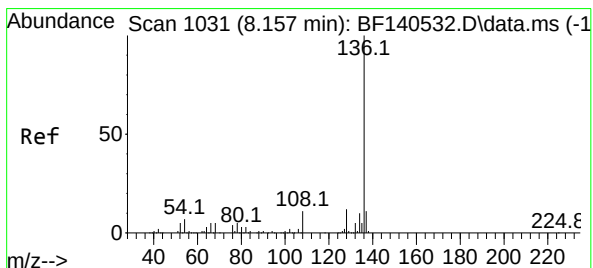
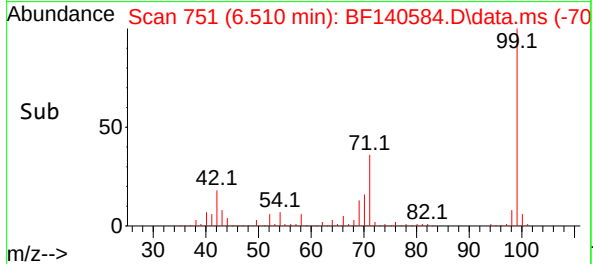
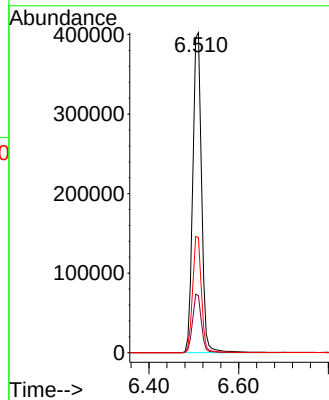
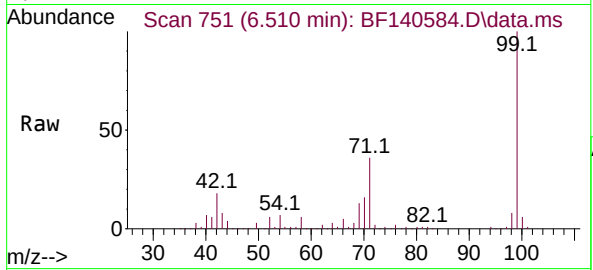




#7
Phenol-d6
Concen: 74.988 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

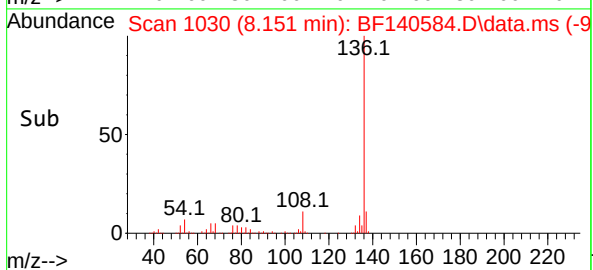
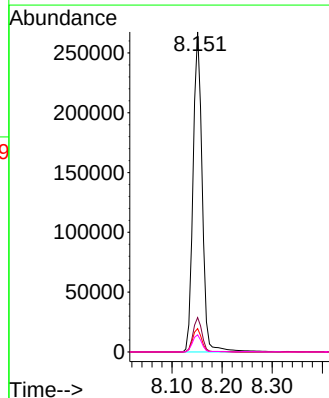
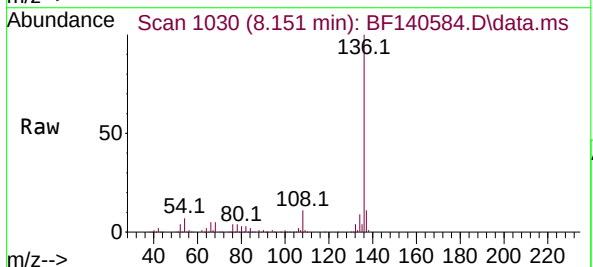
Instrument :
BNA_F
ClientSampleId :
SOIL-2

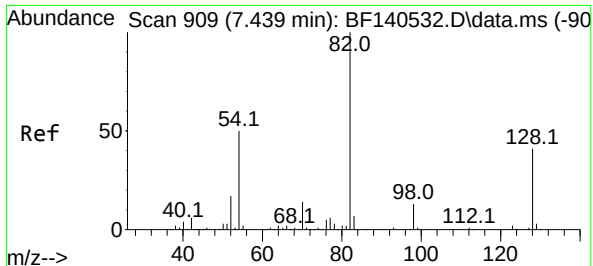
Tgt Ion: 99 Resp: 549384
Ion Ratio Lower Upper
99 100
42 17.9 15.4 23.0
71 35.9 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

Tgt Ion: 136 Resp: 339272
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.3 5.8 8.8
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 52.544 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140584.D

Acq: 22 Nov 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2

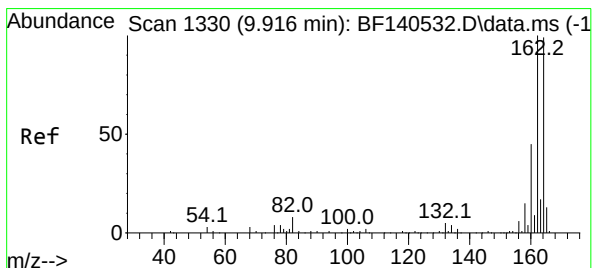
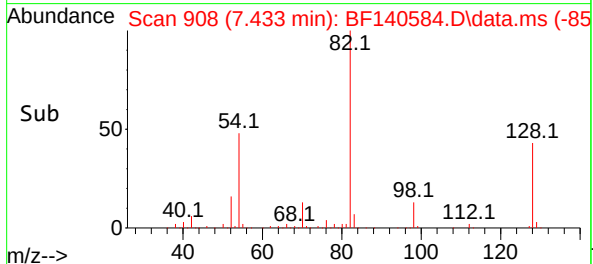
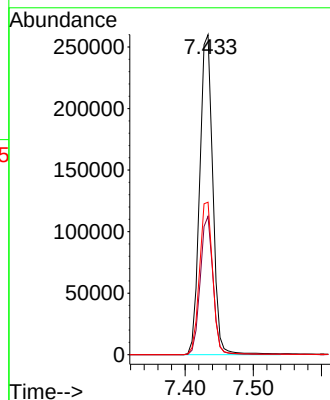
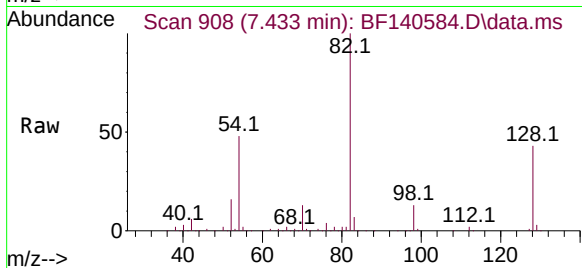
Tgt Ion: 82 Resp: 348518

Ion Ratio Lower Upper

82 100

128 43.2 33.0 49.4

54 47.6 39.5 59.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140584.D

Acq: 22 Nov 2024 18:09

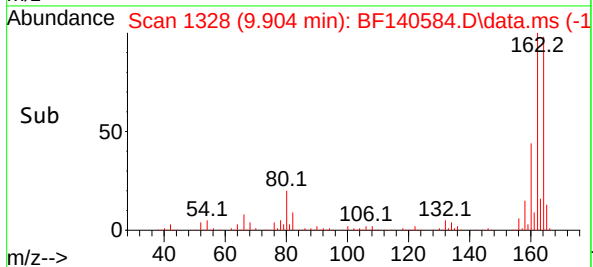
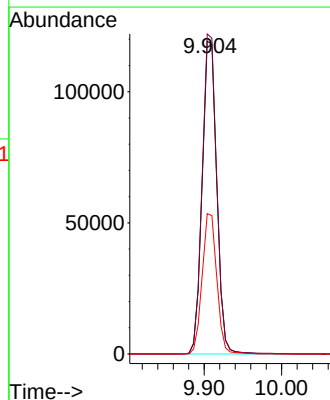
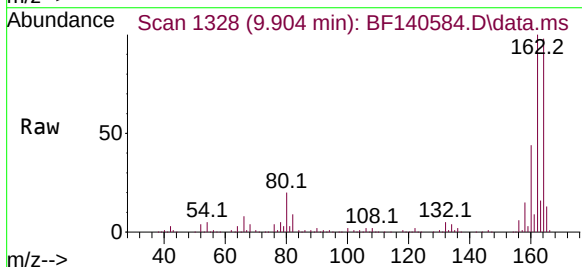
Tgt Ion:164 Resp: 155649

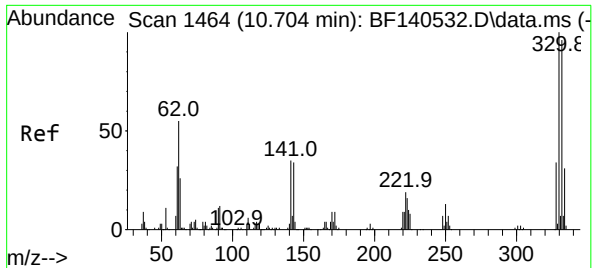
Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

160 44.8 36.2 54.4

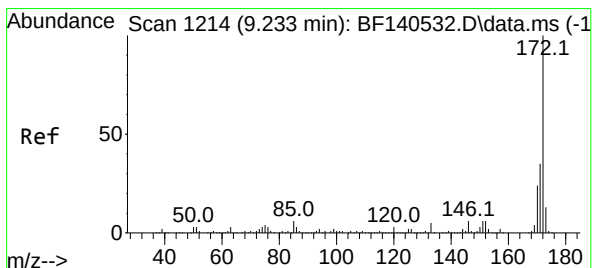
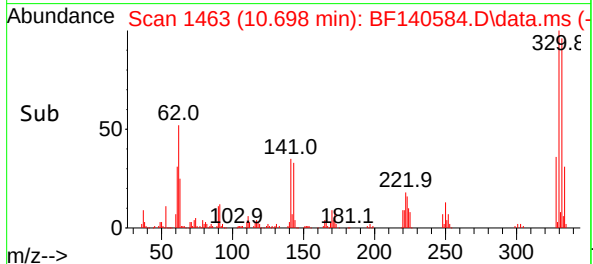
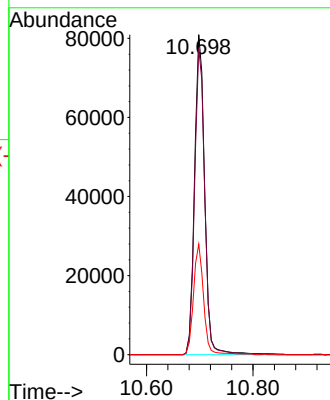
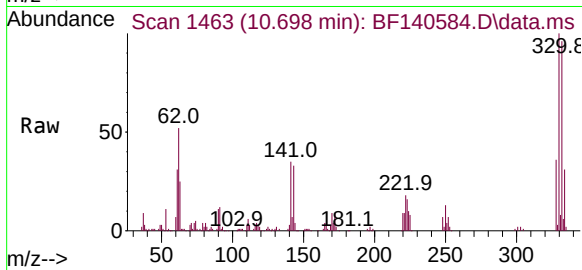




#42
2,4,6-Tribromophenol
Concen: 64.242 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

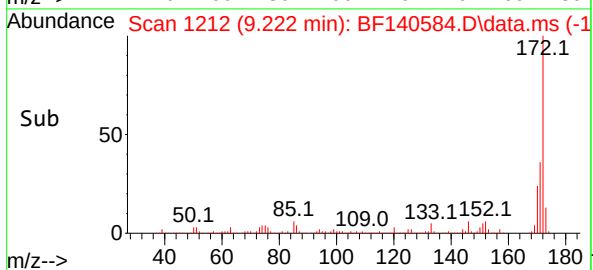
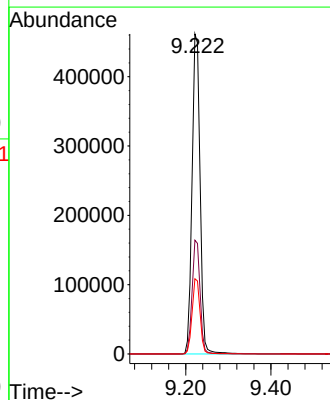
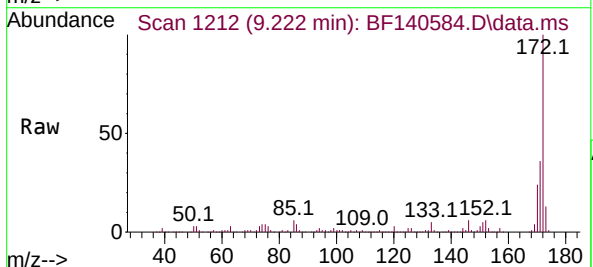
Instrument :
BNA_F
ClientSampleId :
SOIL-2

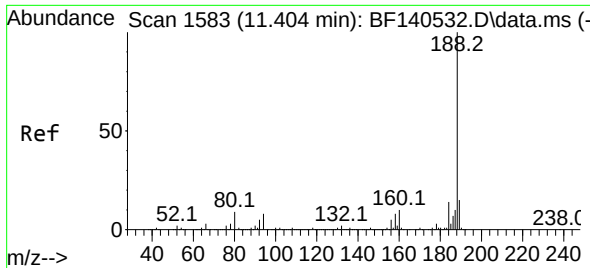
Tgt Ion:330 Resp: 106942
Ion Ratio Lower Upper
330 100
332 95.0 76.9 115.3
141 34.4 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 57.838 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

Tgt Ion:172 Resp: 604217
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.5 19.0 28.6

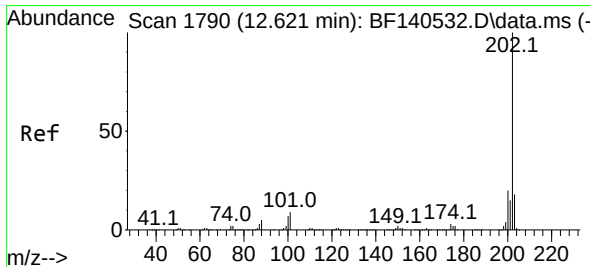
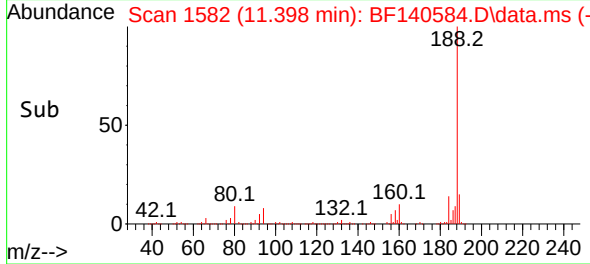
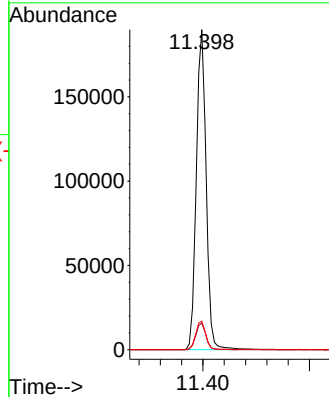
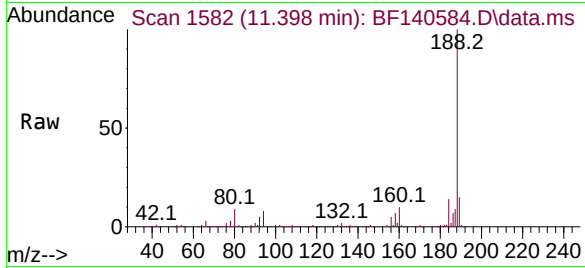




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

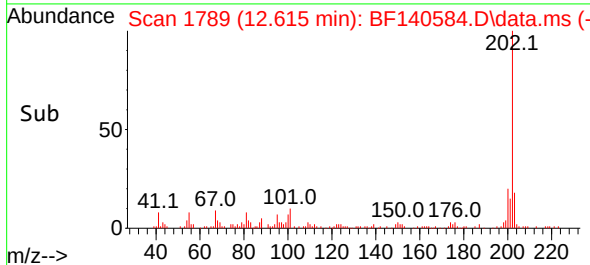
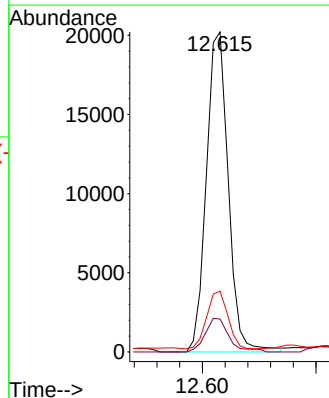
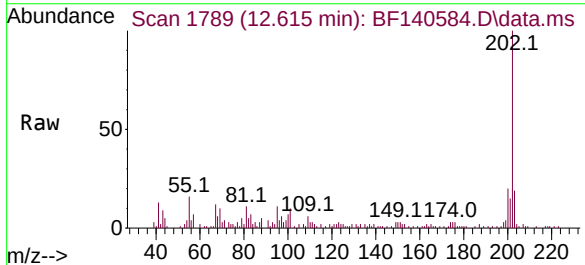
Instrument :
BNA_F
ClientSampleId :
SOIL-2

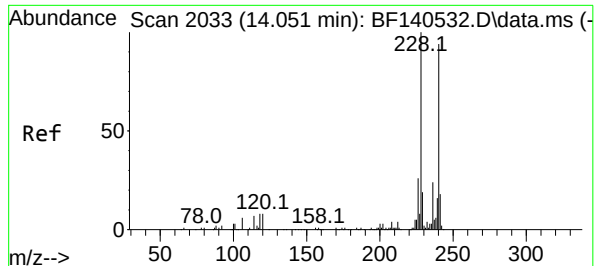
Tgt Ion:188 Resp: 243666
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 8.9 6.9 10.3



#75
Fluoranthene
Concen: 2.132 ng
RT: 12.615 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140584.D
Acq: 22 Nov 2024 18:09

Tgt Ion:202 Resp: 27109
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.9
203 19.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140584.D

Acq: 22 Nov 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2

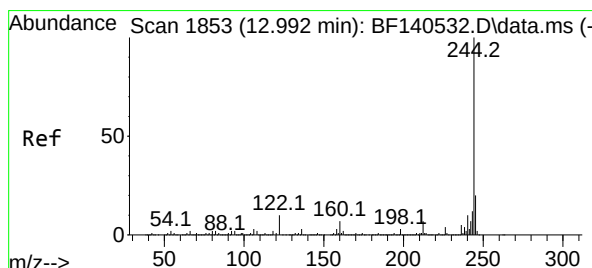
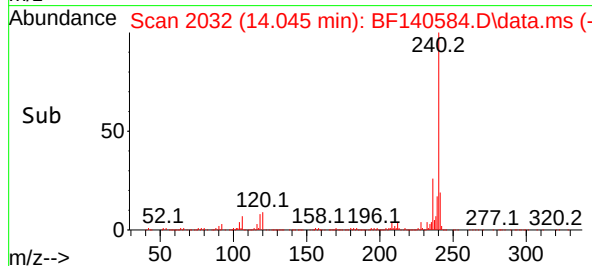
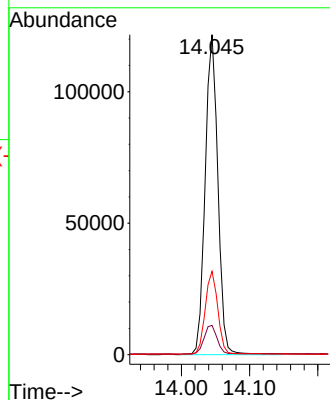
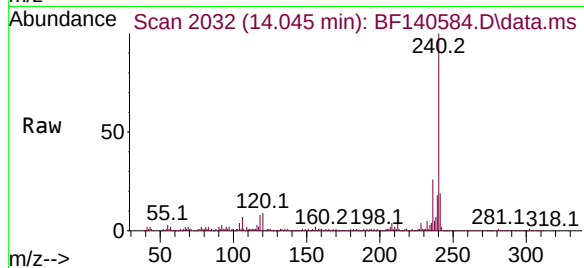
Tgt Ion:240 Resp: 157983

Ion Ratio Lower Upper

240 100

120 9.2 7.3 10.9

236 26.1 20.6 31.0



#79

Terphenyl-d14

Concen: 49.274 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140584.D

Acq: 22 Nov 2024 18:09

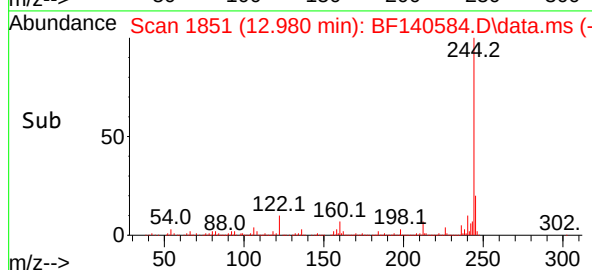
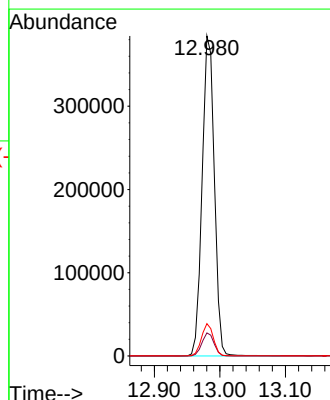
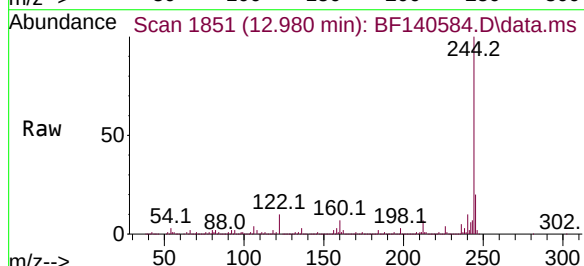
Tgt Ion:244 Resp: 499927

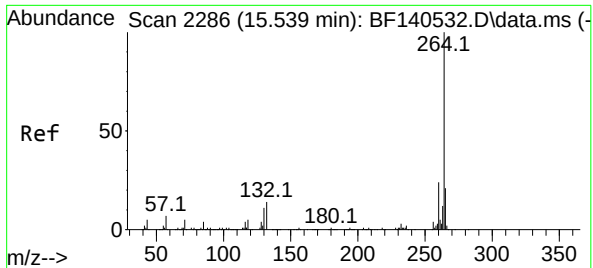
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

122 10.1 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF140584.D

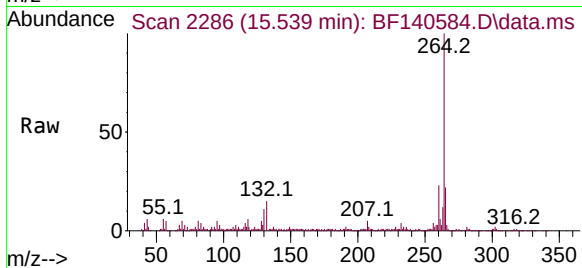
Acq: 22 Nov 2024 18:09

Instrument :

BNA_F

ClientSampleId :

SOIL-2



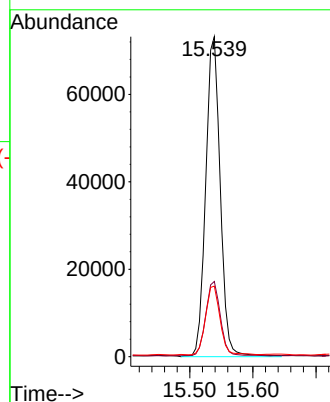
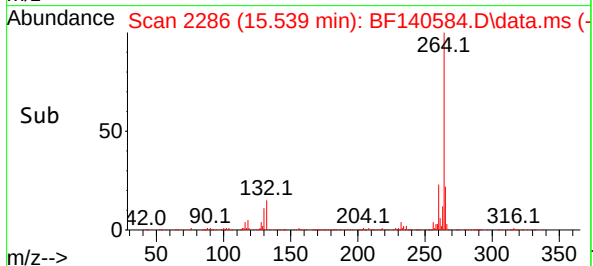
Tgt Ion:264 Resp: 117092

Ion Ratio Lower Upper

264 100

260 23.5 19.0 28.6

265 22.1 16.6 25.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140584.D
 Acq On : 22 Nov 2024 18:09
 Operator : RC/JU
 Sample : P4822-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

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-BF112124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	6	18	rVB	724068	1025705	59.17%	7.530%
2	2.240	20	25	35	rVB4	9038	22715	1.31%	0.167%
3	5.087	505	509	519	rVB	21498	33300	1.92%	0.244%
4	5.498	574	579	595	rBV	1121042	1488893	85.89%	10.931%
5	6.510	745	751	768	rBV	1124945	1554698	89.68%	11.414%
6	6.869	807	812	819	rBV	450201	550628	31.76%	4.042%
7	7.433	902	908	917	rBV	742597	988496	57.02%	7.257%
8	7.681	944	950	960	rVB	19214	28884	1.67%	0.212%
9	8.151	1025	1030	1045	rBV	539780	683594	39.43%	5.019%
10	9.222	1207	1212	1223	rBV	1350596	1733577	100.00%	12.727%
11	9.904	1323	1328	1342	rVB	514523	675304	38.95%	4.958%
12	10.622	1444	1450	1456	rBV	303807	397506	22.93%	2.918%
13	10.698	1458	1463	1474	rVV	630346	814704	47.00%	5.981%
14	10.927	1498	1502	1508	rVB	56932	73637	4.25%	0.541%
15	11.398	1577	1582	1592	rVV	448776	618847	35.70%	4.543%
16	11.921	1666	1671	1683	rVV	175772	300538	17.34%	2.206%
17	12.086	1695	1699	1705	rBV6	14760	29616	1.71%	0.217%
18	12.416	1751	1755	1759	rBV	13838	19669	1.13%	0.144%
19	12.615	1781	1789	1800	rBV	69410	182075	10.50%	1.337%
20	12.710	1801	1805	1810	rVV	24332	39795	2.30%	0.292%
21	12.845	1823	1828	1831	rBV	39359	57543	3.32%	0.422%
22	12.980	1846	1851	1860	rBV	1017540	1324176	76.38%	9.722%
23	13.874	2000	2003	2016	rVB2	78573	162512	9.37%	1.193%
24	14.045	2027	2032	2039	rVB	322561	436231	25.16%	3.203%
25	15.162	2219	2222	2225	rVB	41796	49006	2.83%	0.360%
26	15.539	2281	2286	2295	rVB	199926	329380	19.00%	2.418%

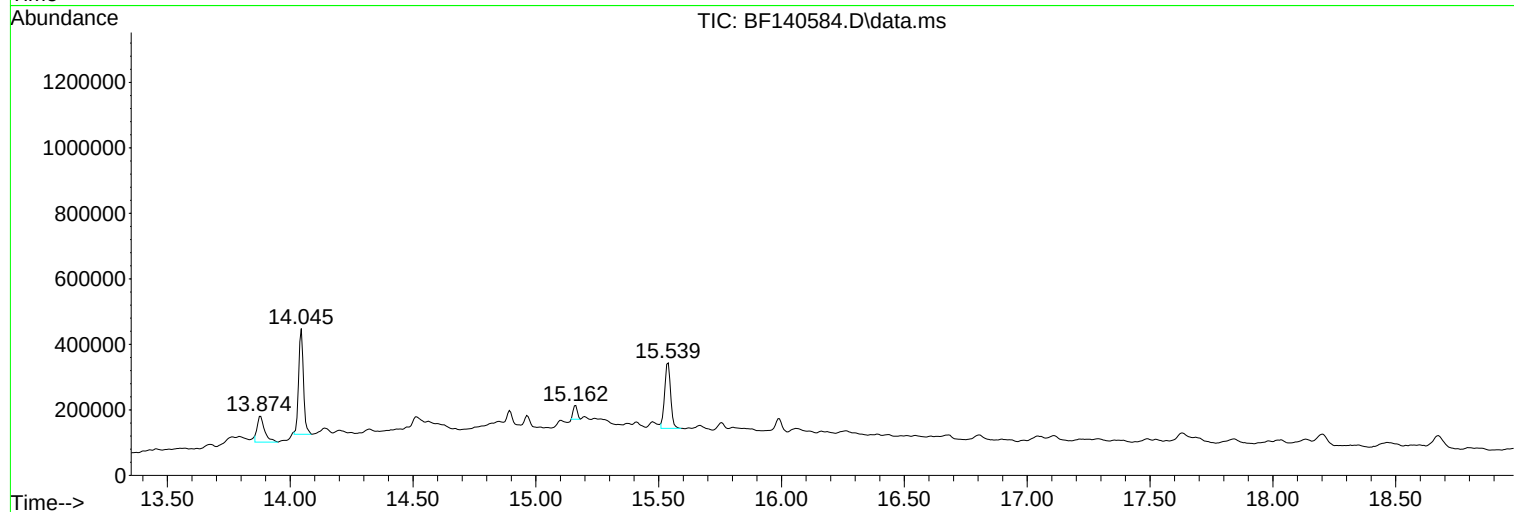
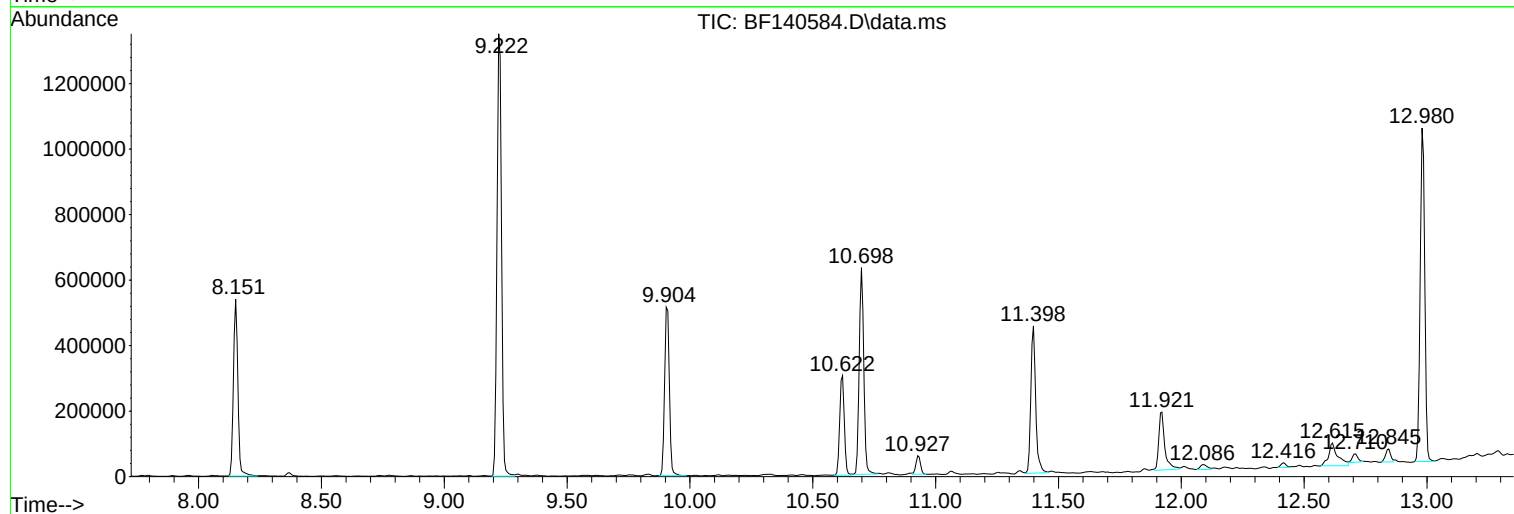
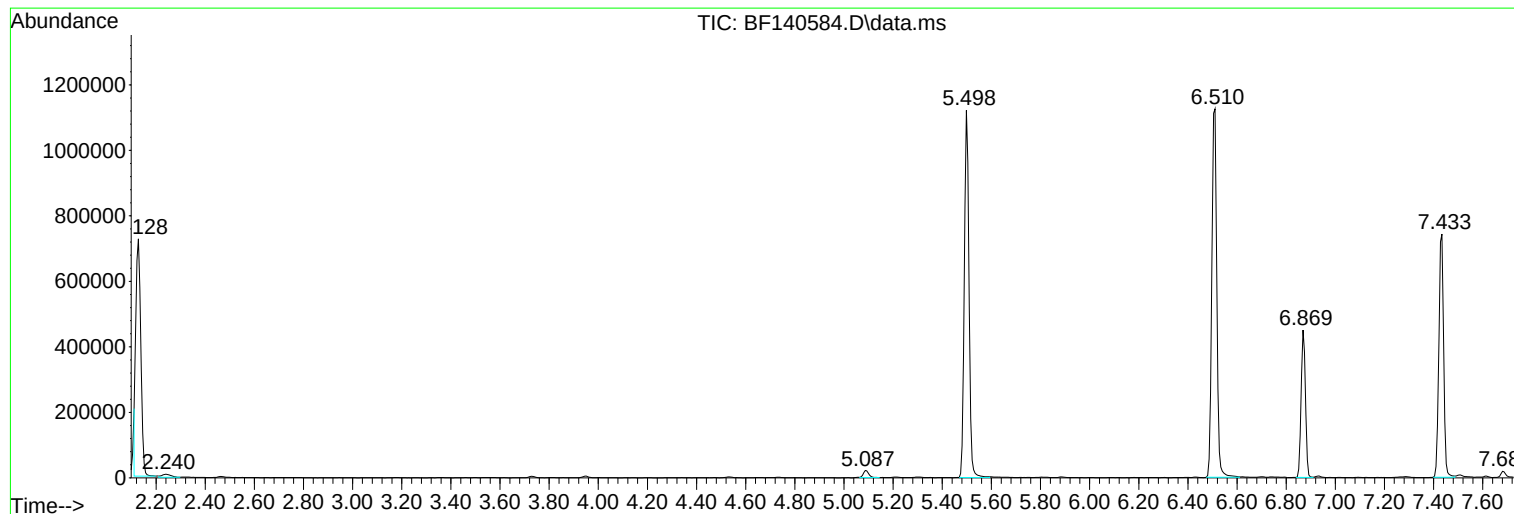
Sum of corrected areas: 13621029

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

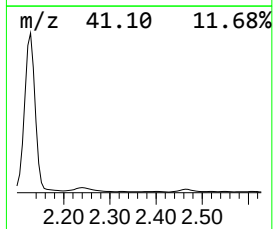
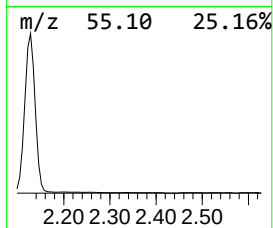
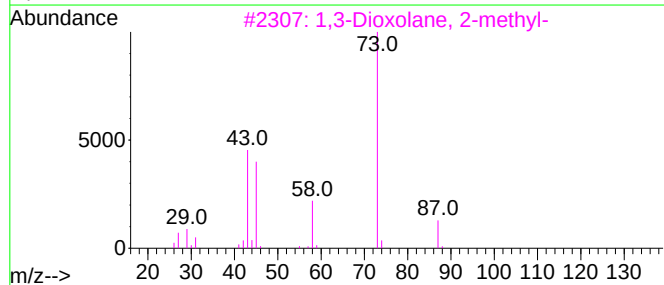
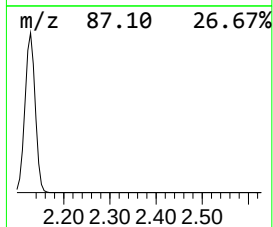
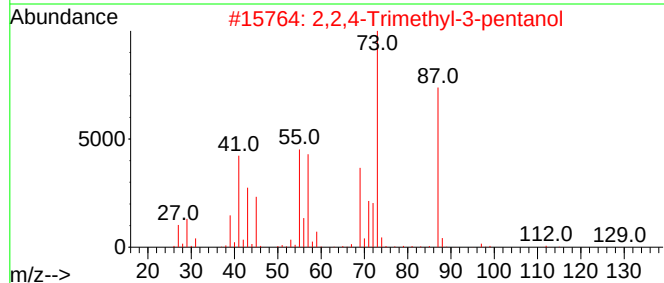
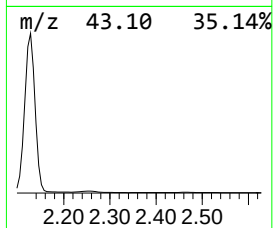
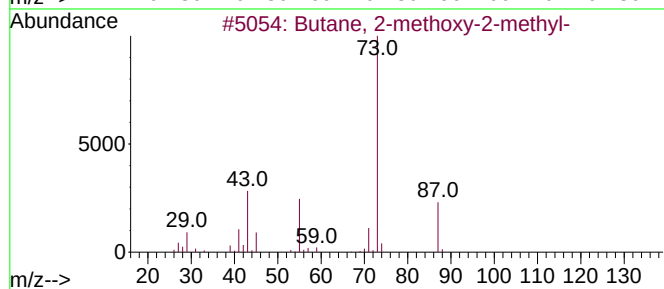
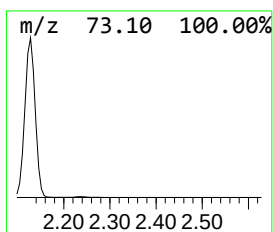
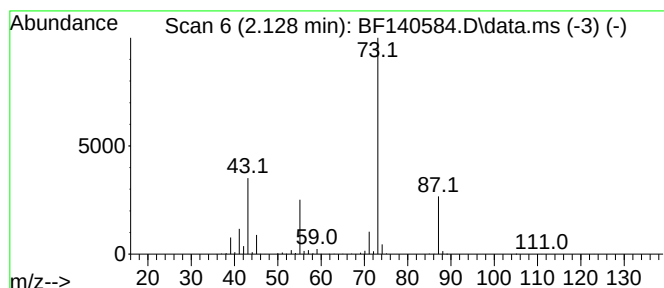
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.128	37.26 ng	1025710	1,4-Dichlorobenzene-d4	6.869

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

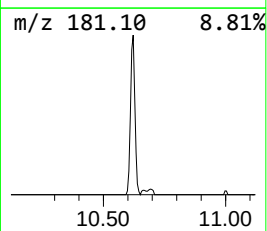
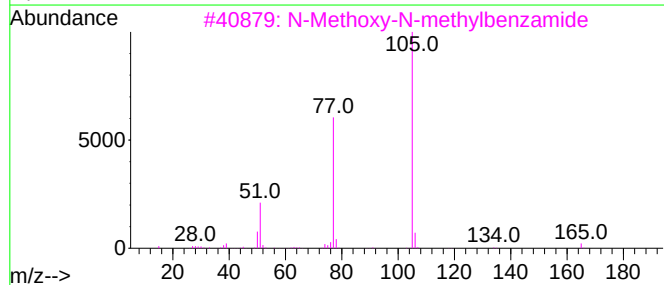
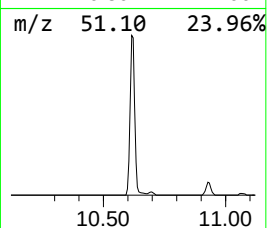
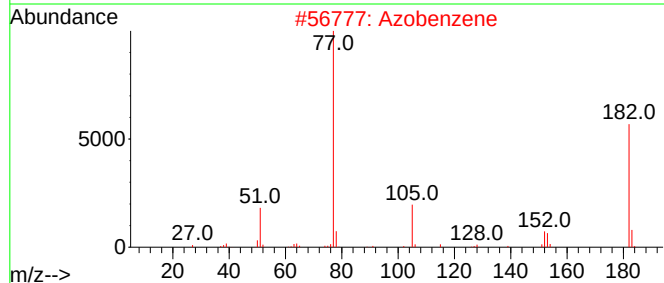
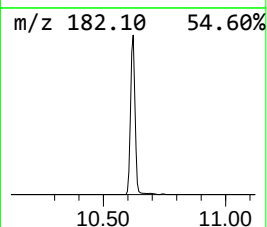
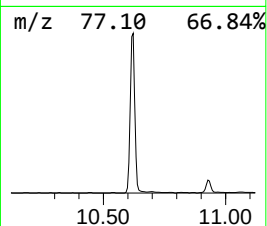
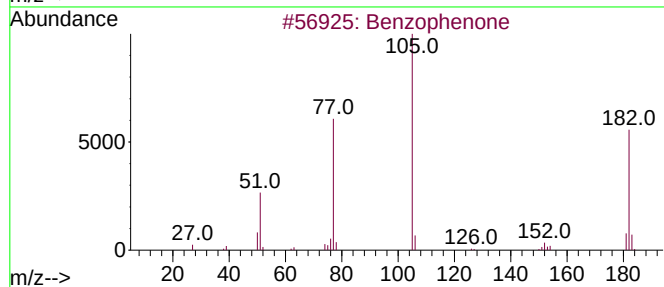
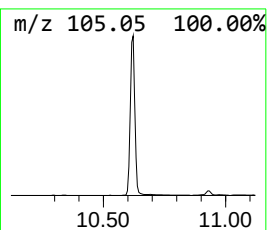
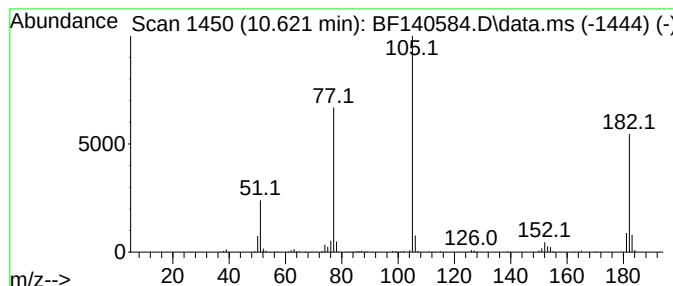
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.621	11.77 ng	397506	Acenaphthene-d10	9.904

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	72
3			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

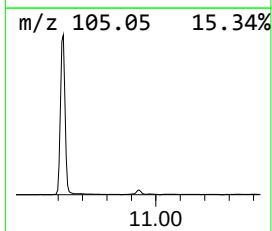
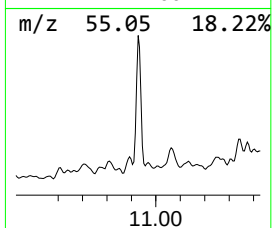
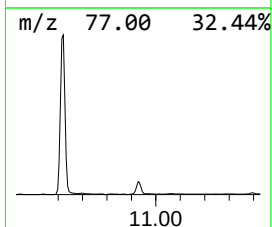
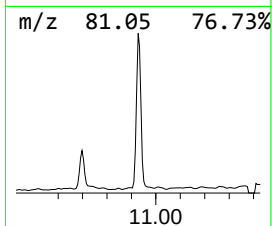
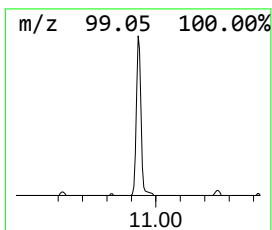
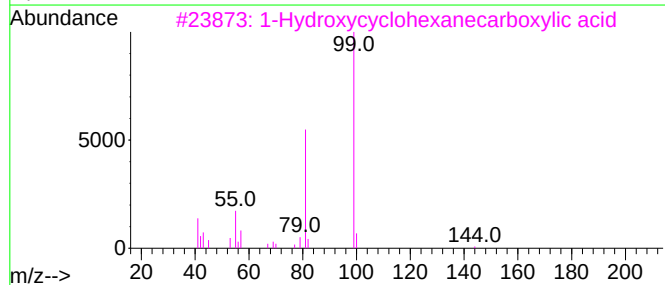
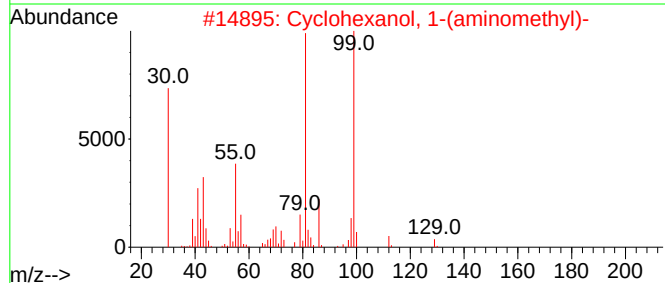
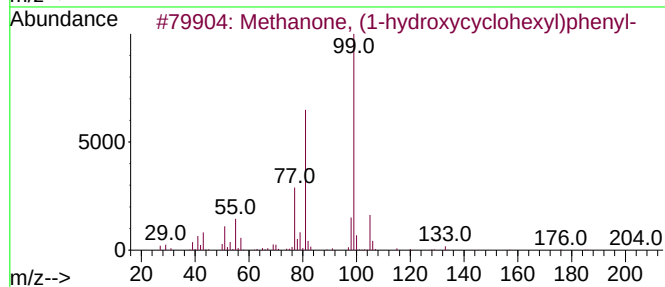
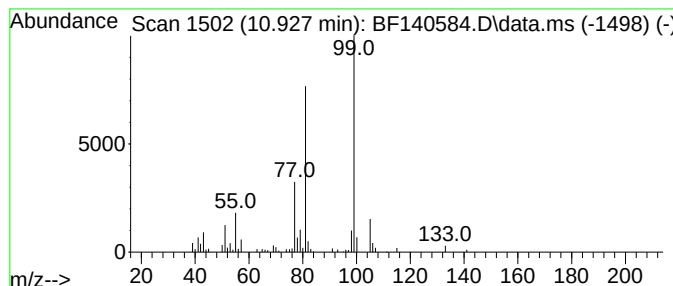
Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Methanone, (1-hydroxycyclohexyl) Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.927	2.38 ng	73637	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	90
2	Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	64
3	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
4	Cyclobutane, 1,1-dimethyl-3-meth...	96	C7H12	019037-73-1	27
5	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

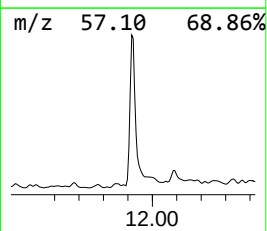
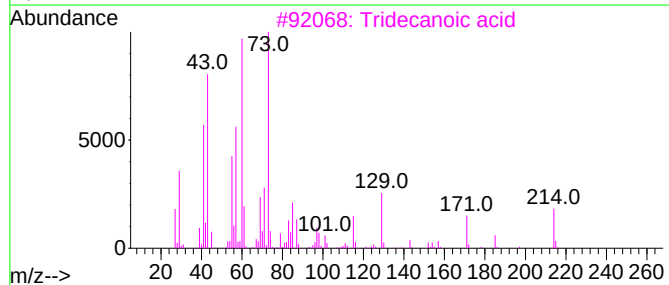
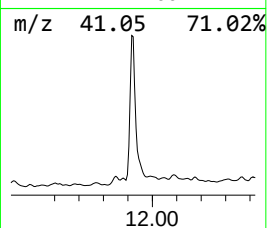
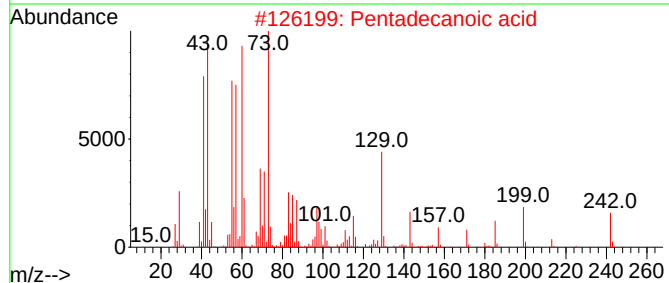
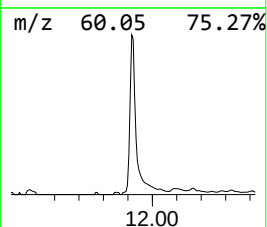
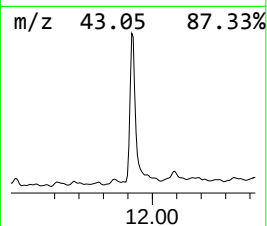
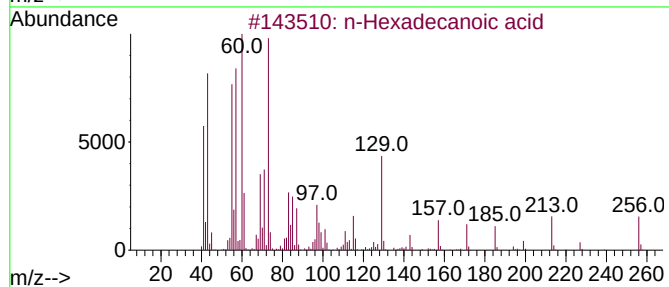
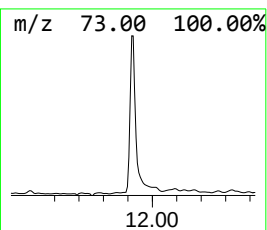
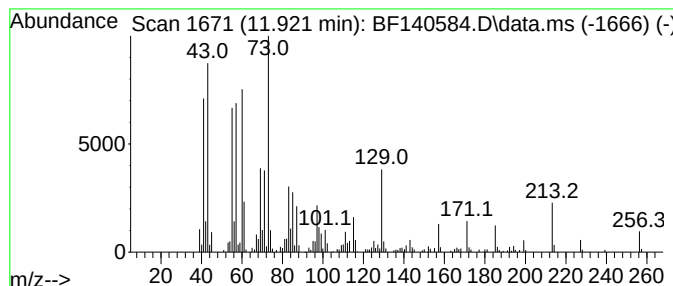
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	9.71 ng	300538	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			Tridecanoic acid	214	C13H26O2	000638-53-9	89
4			n-Decanoic acid	172	C10H20O2	000334-48-5	52
5			Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	27



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

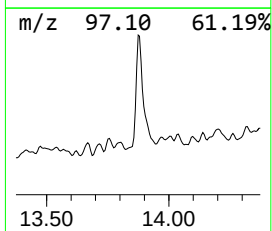
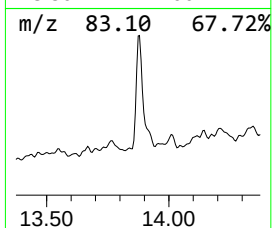
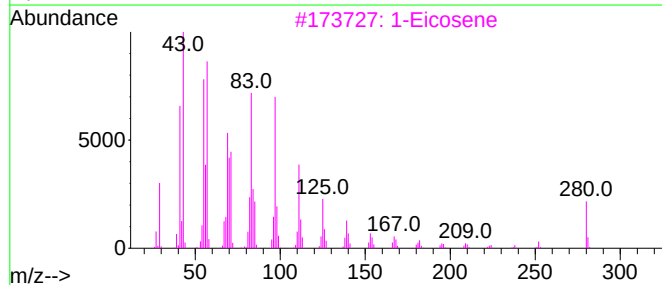
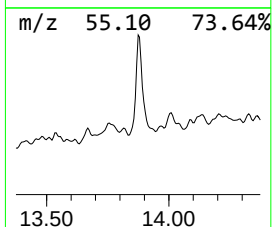
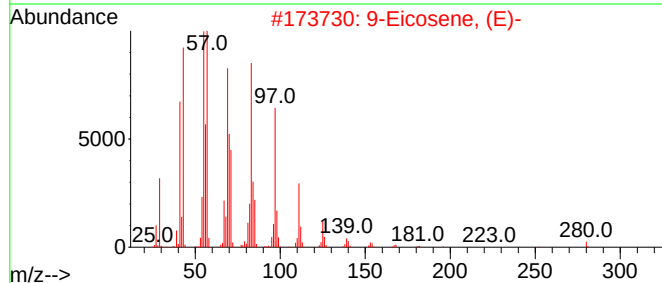
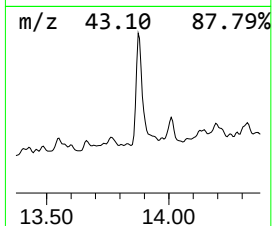
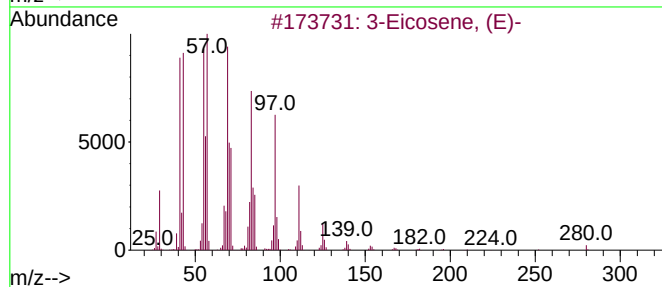
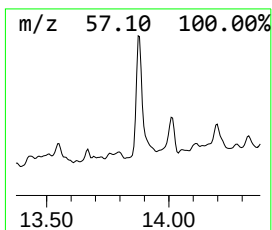
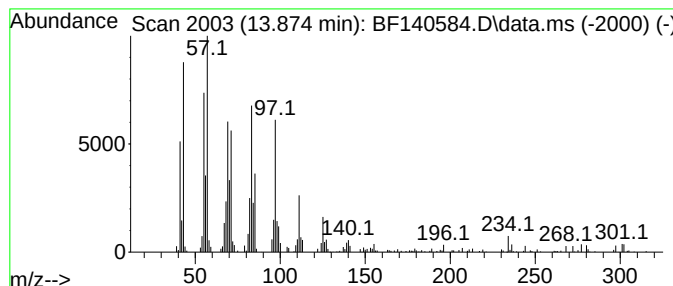
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 3-Eicosene, (E)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	7.45 ng	162512	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Eicosene, (E)-	280	C20H40	074685-33-9	98
2			9-Eicosene, (E)-	280	C20H40	074685-29-3	93
3			1-Eicosene	280	C20H40	003452-07-1	93
4			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
5			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

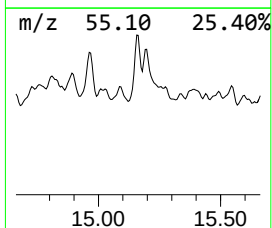
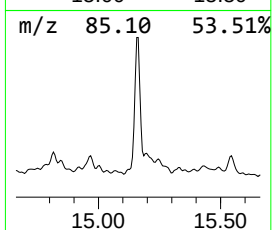
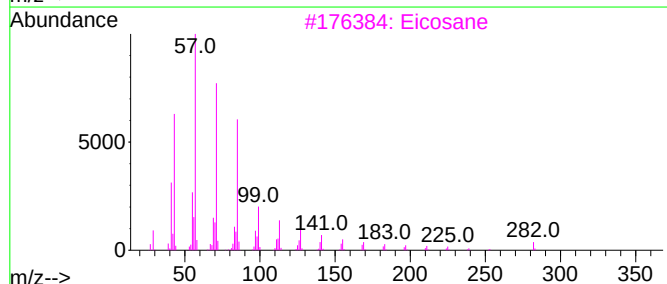
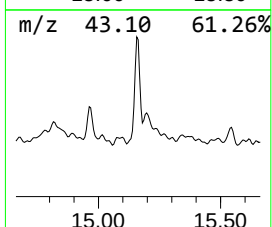
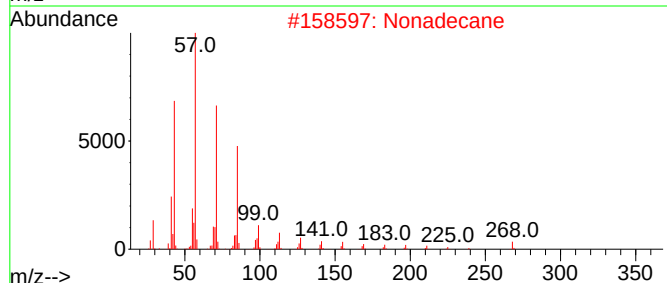
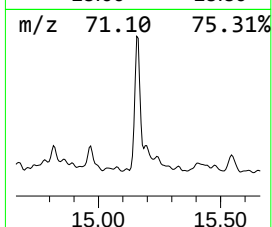
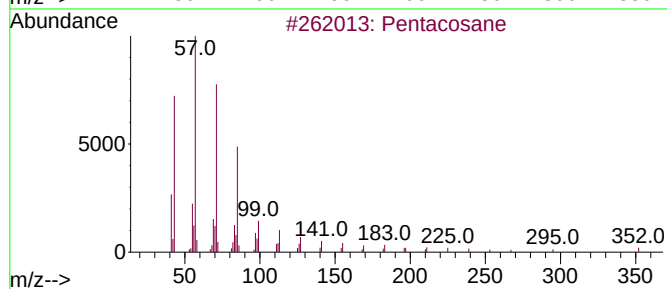
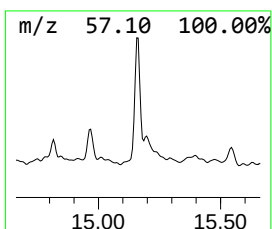
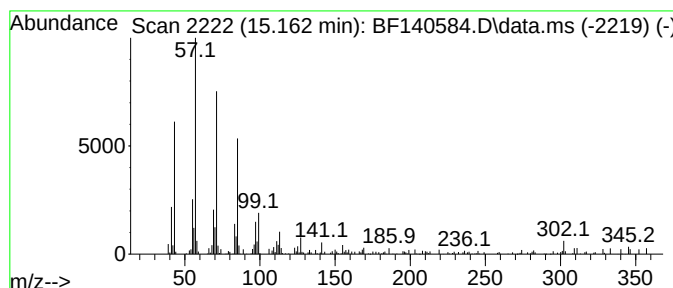
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.162	2.98 ng	49006	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentacosane	352	C25H52	000629-99-2	95
2			Nonadecane	268	C19H40	000629-92-5	93
3			Eicosane	282	C20H42	000112-95-8	93
4			Heneicosane	296	C21H44	000629-94-7	90
5			Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140584.D
Acq On : 22 Nov 2024 18:09
Operator : RC/JU
Sample : P4822-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.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
Butane, 2-metho...	2.128	37.3	ng	1025710	1	6.869	550628	20.0
Benzophenone	10.621	11.8	ng	397506	3	9.904	675304	20.0
Methanone, (1-h...	10.927	2.4	ng	73637	4	11.398	618847	20.0
n-Hexadecanoic ...	11.921	9.7	ng	300538	4	11.398	618847	20.0
3-Eicosene, (E)-	13.874	7.5	ng	162512	5	14.045	436231	20.0
Pentacosane	15.162	3.0	ng	49006	6	15.539	329380	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140516.D	1	11/13/24 09:15	11/20/24 22:40	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.7	U	90.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.5	U	91.5	190	ug/Kg
95-57-8	2-Chlorophenol	91.3	U	91.3	190	ug/Kg
95-48-7	2-Methylphenol	88.2	U	88.2	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.4	U	99.4	190	ug/Kg
98-86-2	Acetophenone	95.0	U	95.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.3	U	87.3	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.1	U	44.1	87.5	ug/Kg
67-72-1	Hexachloroethane	90.8	U	90.8	190	ug/Kg
98-95-3	Nitrobenzene	99.3	U	99.3	190	ug/Kg
78-59-1	Isophorone	92.5	U	92.5	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	93.8	U	93.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.6	U	82.6	190	ug/Kg
91-20-3	Naphthalene	90.3	U	90.3	190	ug/Kg
106-47-8	4-Chloroaniline	90.3	UQ	90.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.1	U	91.1	190	ug/Kg
105-60-2	Caprolactam	94.9	U	94.9	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.8	U	84.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.2	U	90.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.1	U	78.1	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.9	U	80.9	190	ug/Kg
92-52-4	1,1-Biphenyl	95.6	U	95.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.1	U	91.1	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.4	U	89.4	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140516.D	1	11/13/24 09:15	11/20/24 22:40	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.6	U	94.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.0	U	91.0	190	ug/Kg
99-09-2	3-Nitroaniline	97.6	UQ	97.6	190	ug/Kg
83-32-9	Acenaphthene	88.7	U	88.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.3	U	92.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.3	U	94.3	190	ug/Kg
84-66-2	Diethylphthalate	87.6	U	87.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.6	U	93.6	190	ug/Kg
86-73-7	Fluorene	93.5	U	93.5	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	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.2	U	89.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.3	U	86.3	190	ug/Kg
118-74-1	Hexachlorobenzene	93.0	U	93.0	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	84.5	U	84.5	360	ug/Kg
85-01-8	Phenanthrene	91.9	U	91.9	190	ug/Kg
120-12-7	Anthracene	92.3	U	92.3	190	ug/Kg
86-74-8	Carbazole	87.8	U	87.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.2	U	92.2	190	ug/Kg
206-44-0	Fluoranthene	140	J	89.4	190	ug/Kg
129-00-0	Pyrene	110	J	90.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	88.3	U	88.3	190	ug/Kg
218-01-9	Chrysene	87.0	U	87.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.5	U	99.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.1	J	88.7	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140516.D	1	11/13/24 09:15	11/20/24 22:40	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	90.3	U	90.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.4	U	85.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.8	U	88.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.6	U	87.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.9	U	94.9	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.7	U	81.7	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	99.1		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	88.5		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.9		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.4		30 (20) - 130 (109)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		30 (10) - 130 (116)	74%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		30 (10) - 130 (105)	72%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	102000	6.875
1146-65-2	Naphthalene-d8	324000	8.151
15067-26-2	Acenaphthene-d10	143000	9.91
1517-22-2	Phenanthrene-d10	282000	11.398
1719-03-5	Chrysene-d12	215000	14.045
1520-96-3	Perylene-d12	157000	15.539

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J	2.15	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	82.0	AB	5.10	ug/Kg
000119-61-9	Benzophenone	630	J	10.6	ug/Kg
001940-18-7	Cyclohexanol, 1-ethyl-	110	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	620	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	130	J	12.7	ug/Kg
001599-67-3	1-Docosene	260	J	13.9	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
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
BF140516.D	1	11/13/24 09:15	11/20/24 22:40	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007683-64-9	Supraene	360	J		14.9	ug/Kg
000112-95-8	Eicosane	420	J		15.2	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	350	J		16.0	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\BF112024\
 Data File : BF140516.D
 Acq On : 20 Nov 2024 22:40
 Operator : RC/JU
 Sample : P4822-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:09:28 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	101523	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	323761	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	143091	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	281764	20.000	ng	0.00
76) Chrysene-d12	14.045	240	215041	20.000	ng	0.00
86) Perylene-d12	15.539	264	157125	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	589447	99.132	ng	0.01
7) Phenol-d6	6.510	99	713045	88.511	ng	0.00
23) Nitrobenzene-d5	7.434	82	459454	73.940	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	157430	110.638	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	768779	86.368	ng	0.00
79) Terphenyl-d14	12.986	244	897319	72.431	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	55250	3.721	ng	100
78) Pyrene	12.845	202	55464	3.015	ng	100
88) Benzo(b)fluoranthene	15.104	252	25133m	2.445	ng	
90) Benzo(a)pyrene	15.474	252	15971	2.001	ng	# 78

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

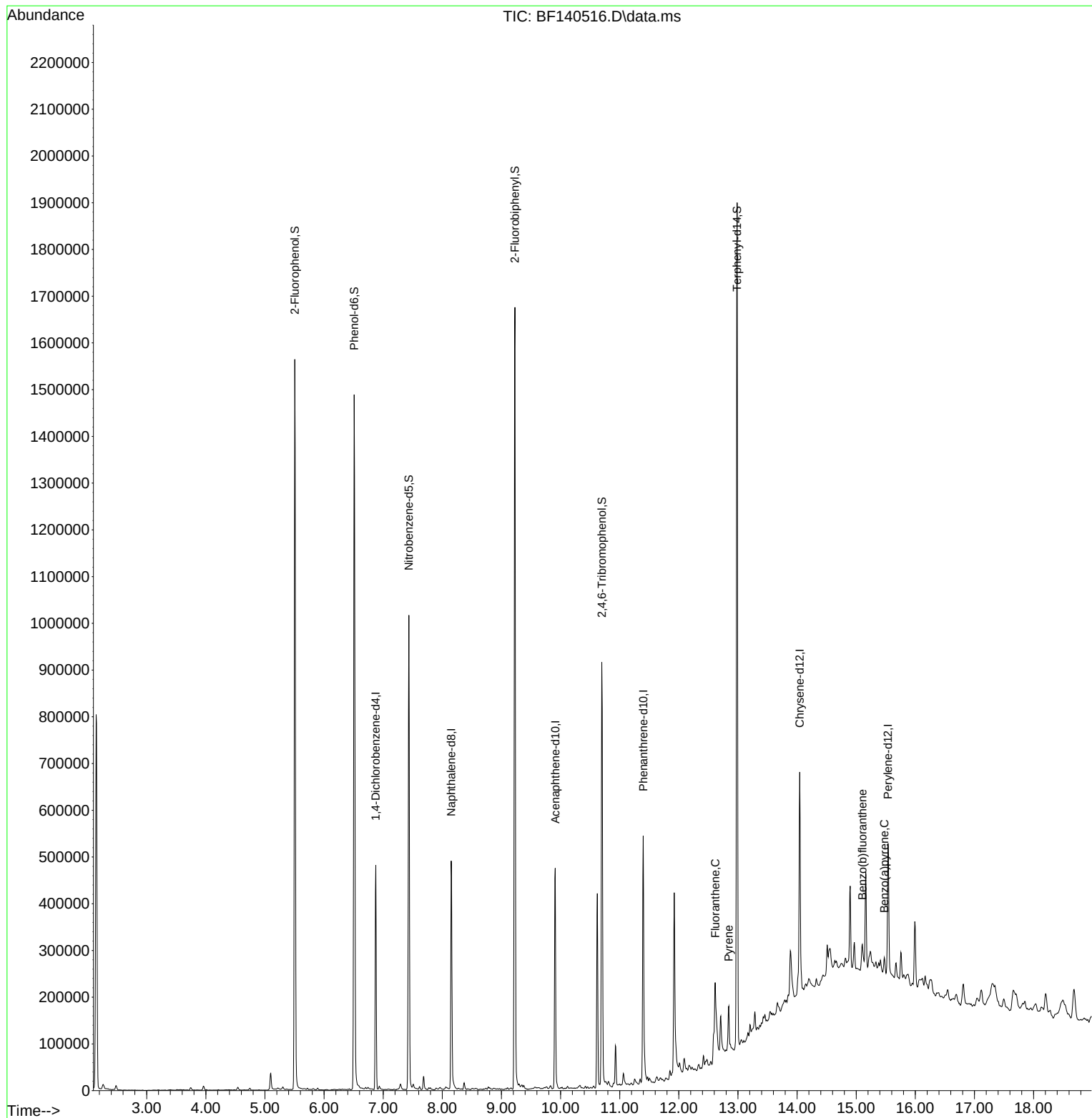
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Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

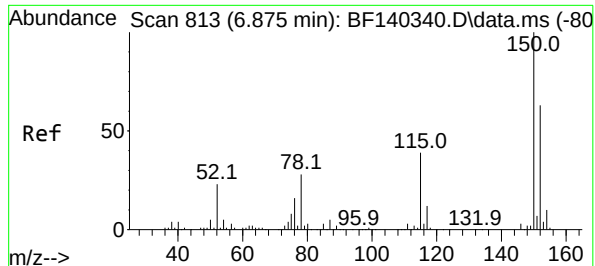
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

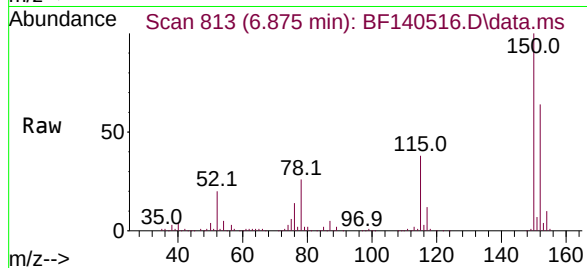
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

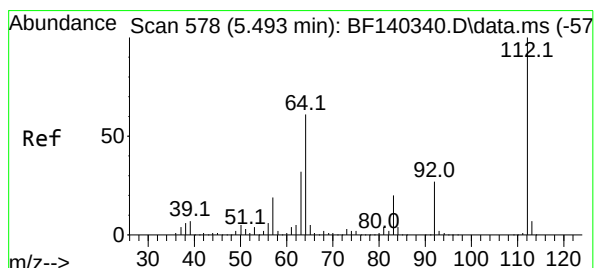
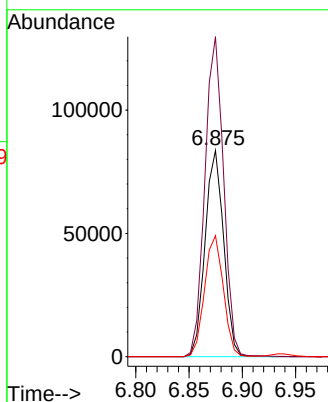
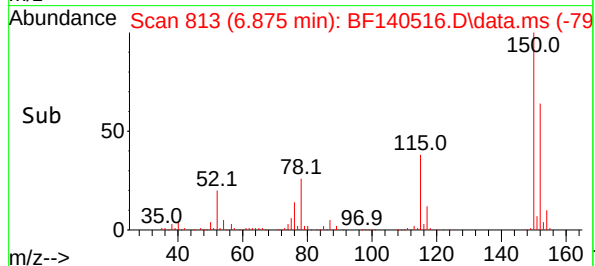
Instrument :
BNA_F
ClientSampleId :
SOIL-3



Tgt Ion:152 Resp: 10152
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.0
115 58.7 47.4 71.2

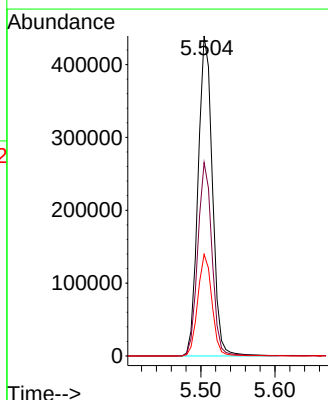
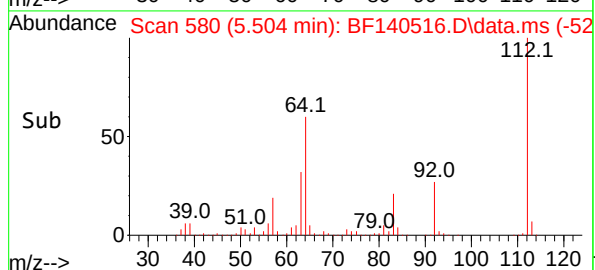
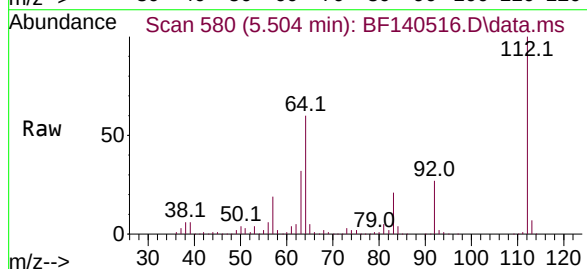
Manual Integrations
APPROVED

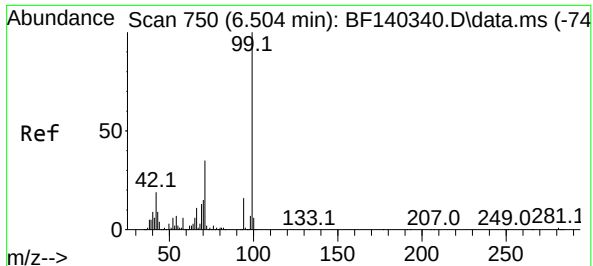
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 99.132 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

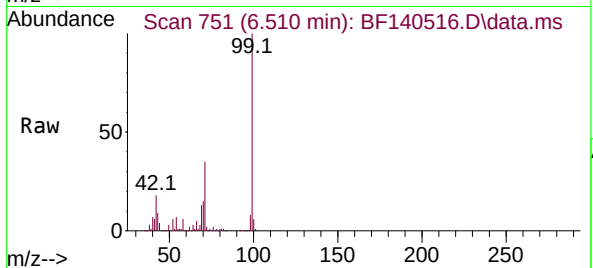
Tgt Ion:112 Resp: 589447
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 31.7 25.6 38.4





#7
Phenol-d6
Concen: 88.511 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

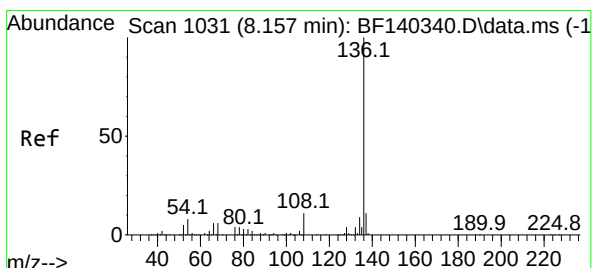
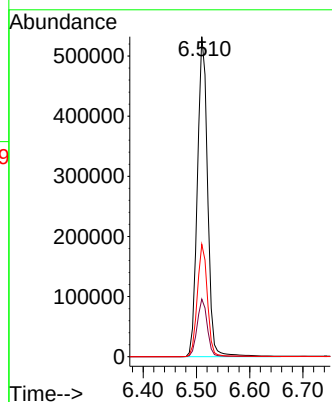
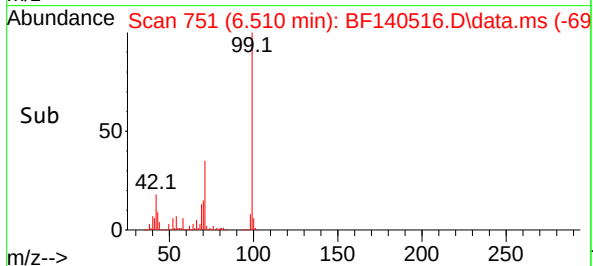
Instrument :
BNA_F
ClientSampleId :
SOIL-3



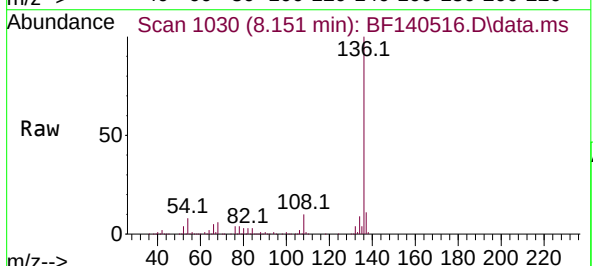
Tgt Ion: 99 Resp: 71304
Ion Ratio Lower Upper
99 100
42 18.0 15.1 22.7
71 35.1 27.9 41.9

Manual Integrations
APPROVED

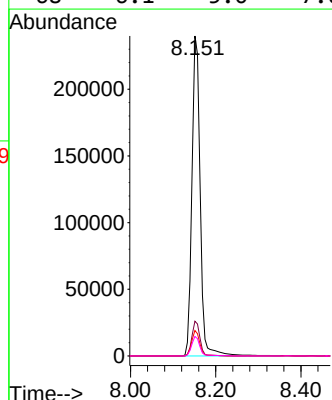
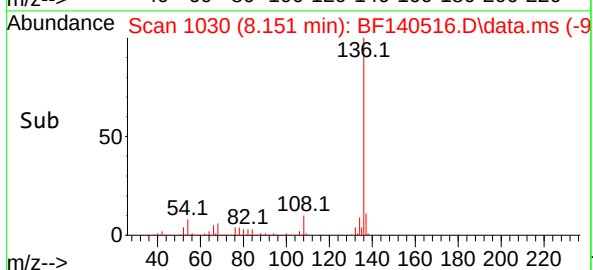
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

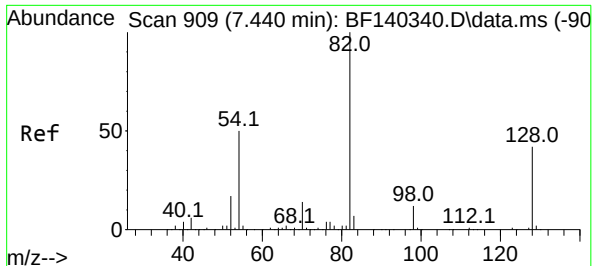


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40



Tgt Ion:136 Resp: 323761
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.5 9.7
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 73.940 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

Tgt Ion: 82 Resp: 459454

Ion Ratio Lower Upper

82 100

128 42.5 33.3 49.9

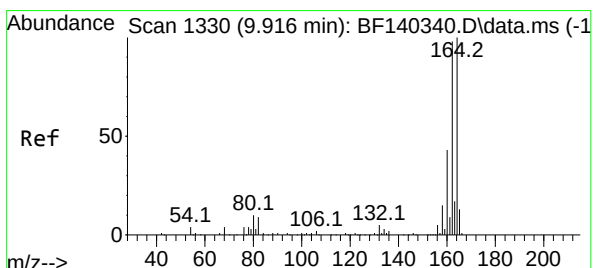
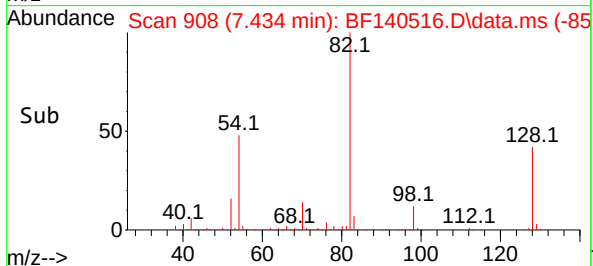
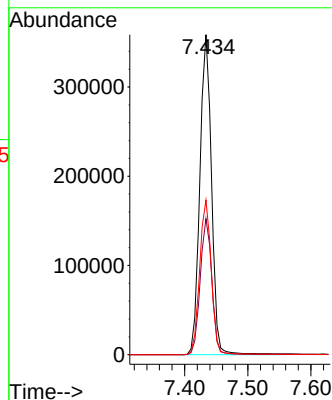
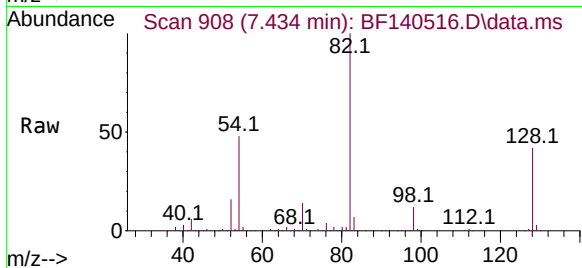
54 48.3 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

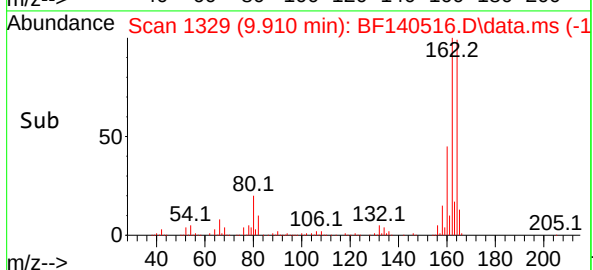
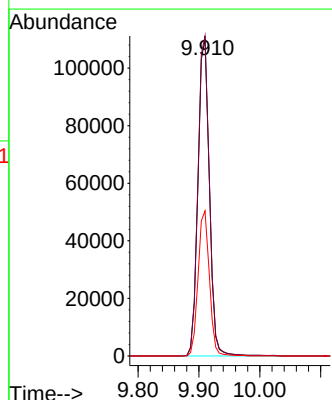
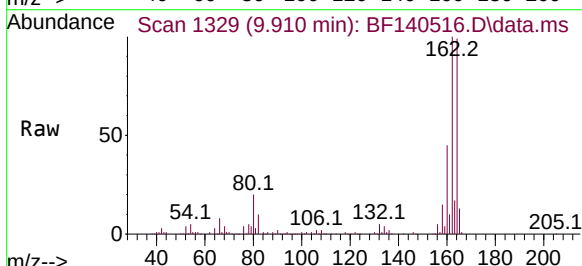
Tgt Ion:164 Resp: 143091

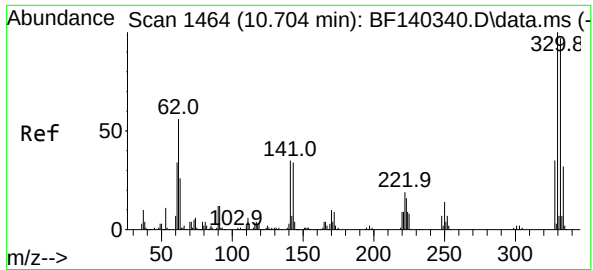
Ion Ratio Lower Upper

164 100

162 101.0 79.8 119.8

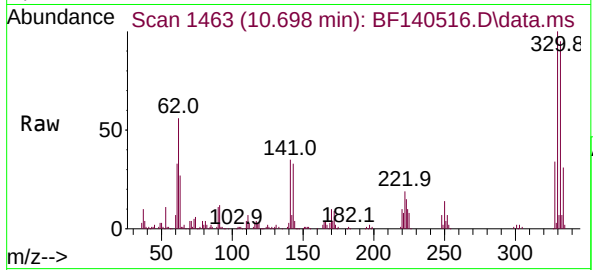
160 45.8 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 110.638 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

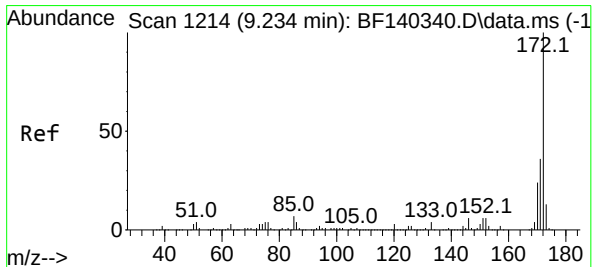
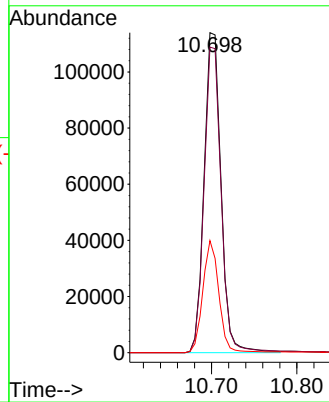
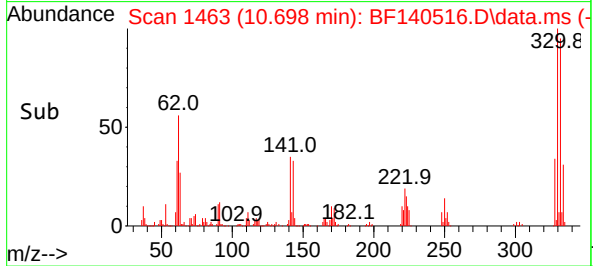
Instrument :
BNA_F
ClientSampleId :
SOIL-3



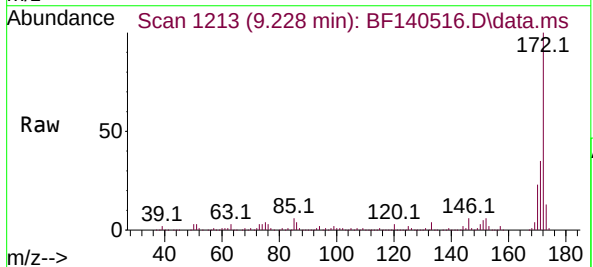
Tgt Ion: 330 Resp: 157430
Ion Ratio Lower Upper
330 100
332 96.8 75.9 113.9
141 33.9 26.9 40.3

Manual Integrations
APPROVED

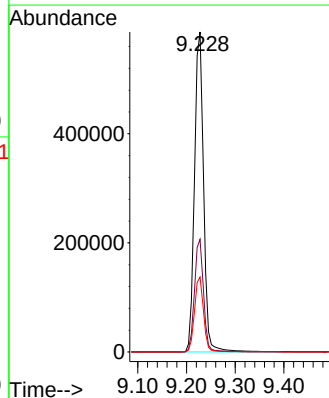
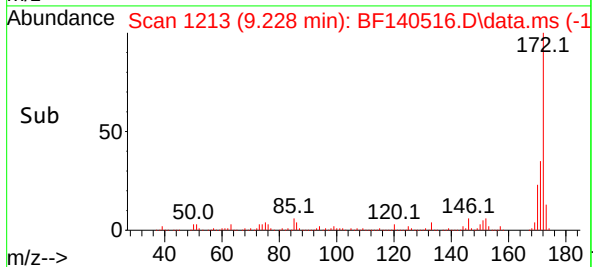
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/22/2024

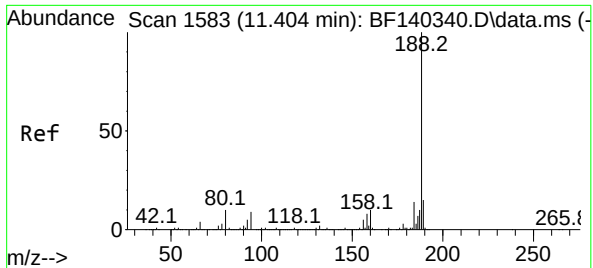


#45
2-Fluorobiphenyl
Concen: 86.368 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40



Tgt Ion: 172 Resp: 768779
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.4 19.1 28.7





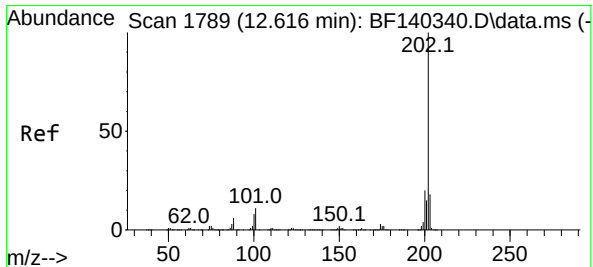
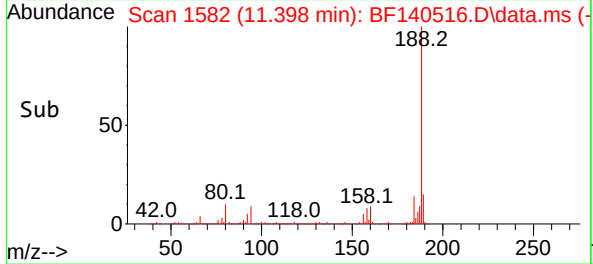
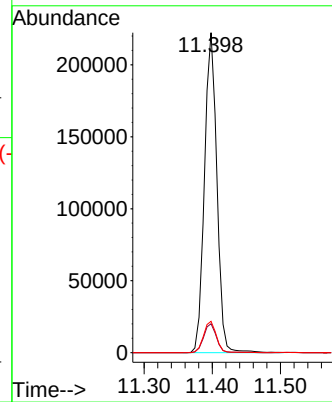
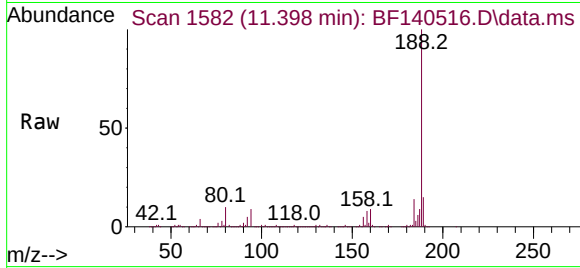
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Tgt Ion:188 Resp: 281764
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.8 8.0 12.0

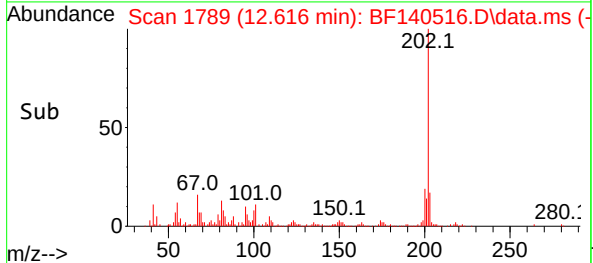
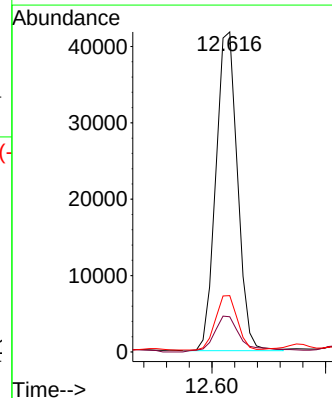
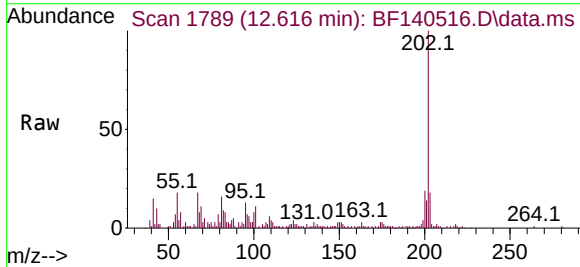
Manual Integrations
APPROVED

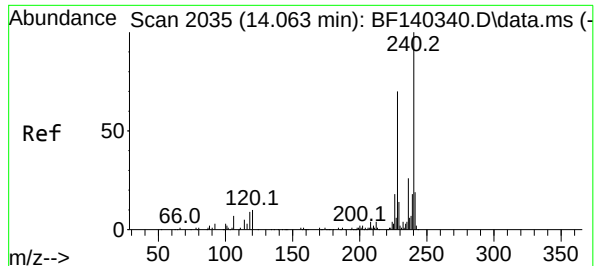
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#75
Fluoranthene
Concen: 3.721 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

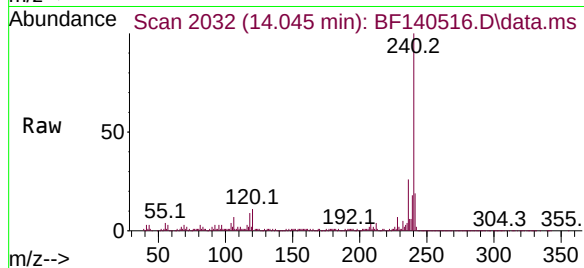
Tgt Ion:202 Resp: 55250
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.6 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40

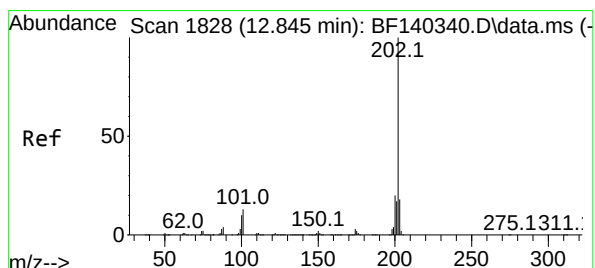
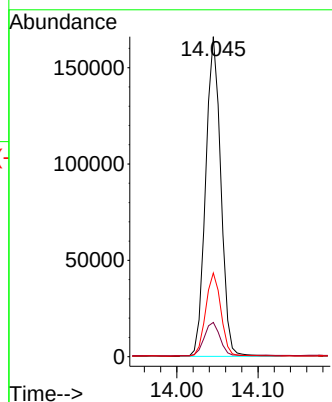
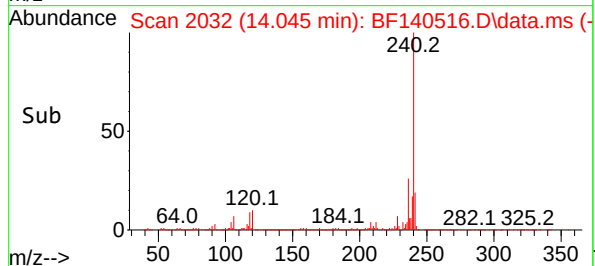
Instrument :
BNA_F
ClientSampleId :
SOIL-3



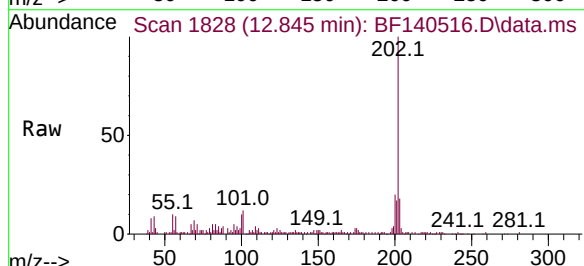
Tgt Ion:240 Resp: 21504
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.1 20.9 31.3

Manual Integrations
APPROVED

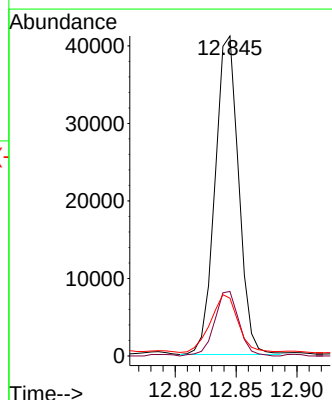
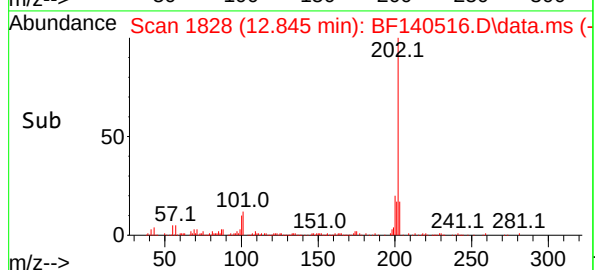
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

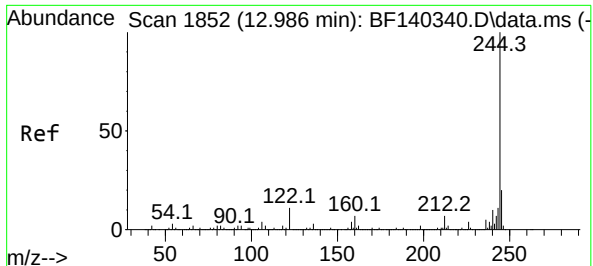


#78
Pyrene
Concen: 3.015 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140516.D
Acq: 20 Nov 2024 22:40



Tgt Ion:202 Resp: 55464
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.2
203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 72.431 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140516.D

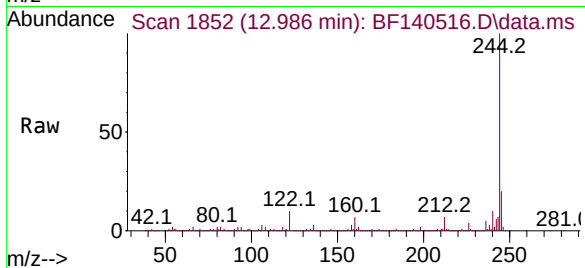
Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3



Tgt Ion:244 Resp: 897319

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

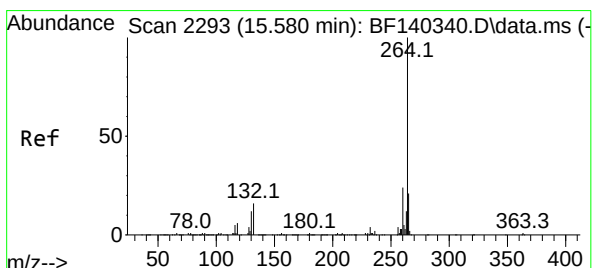
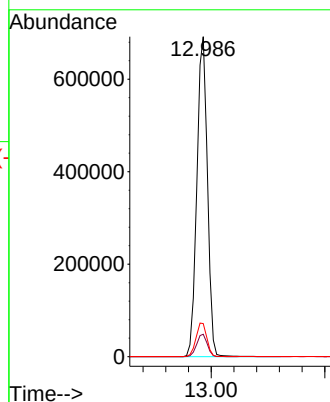
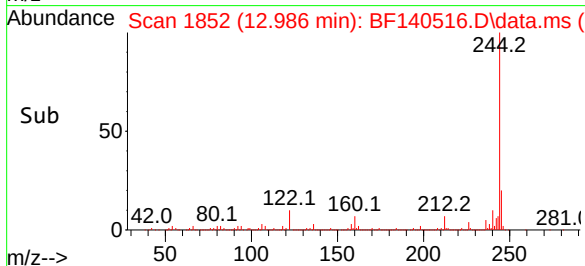
122 10.4 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

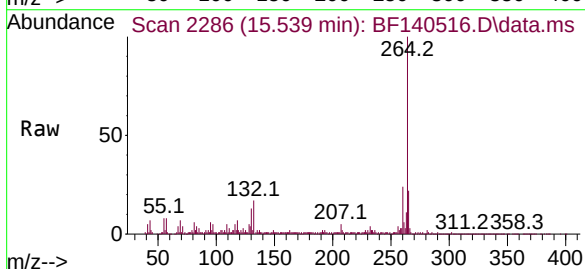
Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.018 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40



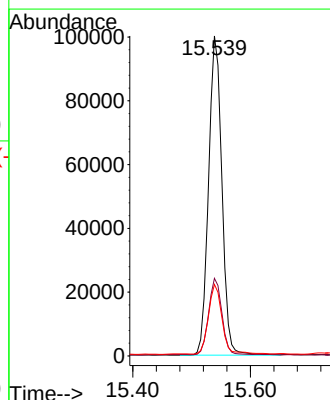
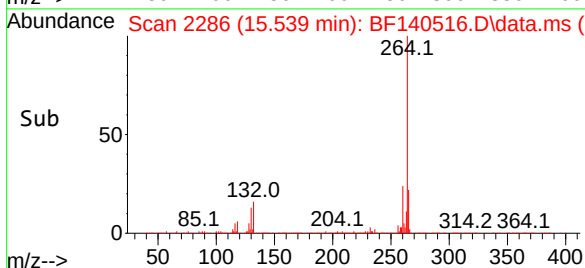
Tgt Ion:264 Resp: 157125

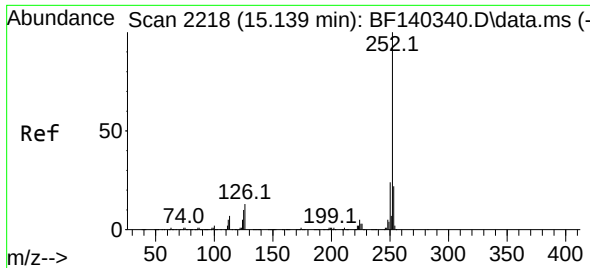
Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.4 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.445 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

Instrument :

BNA_F

ClientSampleId :

SOIL-3

Tgt Ion:252 Resp: 2513

Ion Ratio Lower Upper

252 100

253 28.8 17.5 26.3

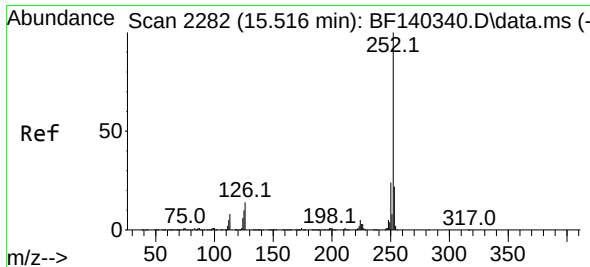
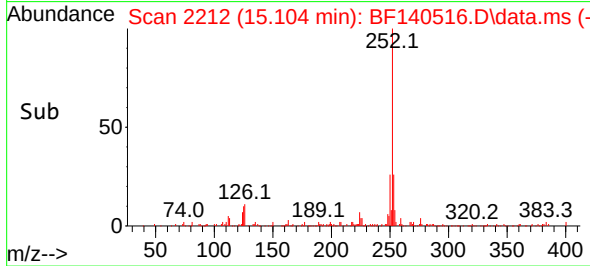
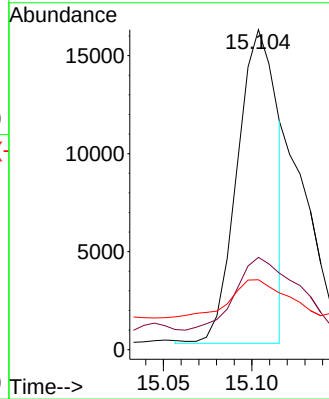
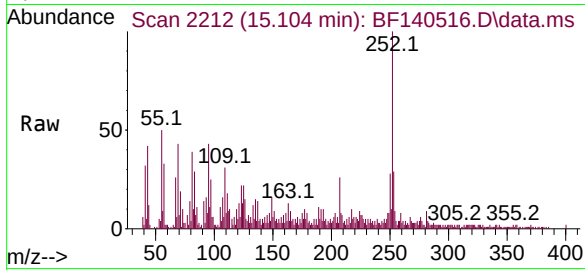
125 21.9 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 2.001 ng

RT: 15.474 min Scan# 2275

Delta R.T. -0.018 min

Lab File: BF140516.D

Acq: 20 Nov 2024 22:40

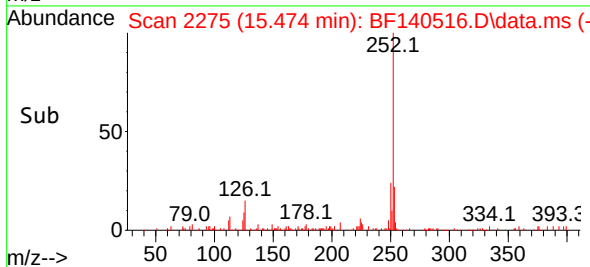
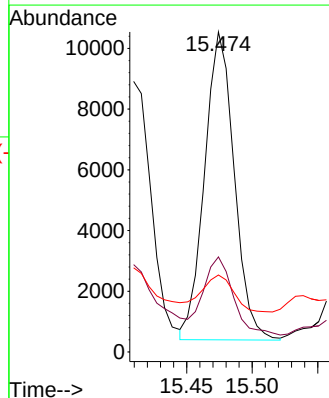
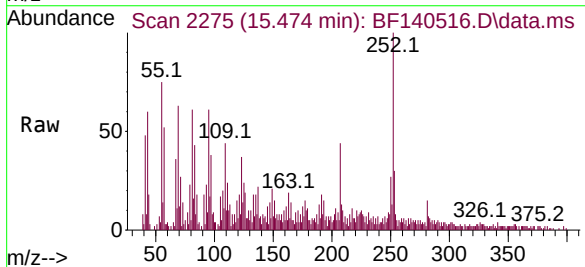
Tgt Ion:252 Resp: 15971

Ion Ratio Lower Upper

252 100

253 29.7 17.8 26.6#

125 24.0 8.4 12.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140516.D
 Acq On : 20 Nov 2024 22:40
 Operator : RC/JU
 Sample : P4822-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-3

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-BF111324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140516.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	23	rVB	800723	1292205	54.22%	6.665%
2	5.098	500	511	521	rBV	36094	66121	2.77%	0.341%
3	5.504	575	580	593	rBV	1560991	2069248	86.82%	10.672%
4	6.510	745	751	770	rBV	1485786	2013636	84.49%	10.386%
5	6.875	808	813	818	rBV	479813	586929	24.63%	3.027%
6	7.434	900	908	917	rBV	1015187	1301024	54.59%	6.710%
7	7.687	944	951	958	rBV	27799	41346	1.73%	0.213%
8	8.151	1025	1030	1047	rVB	488462	660547	27.71%	3.407%
9	9.228	1207	1213	1223	rBV	1673314	2188966	91.84%	11.290%
10	9.910	1323	1329	1341	rVB	471236	623725	26.17%	3.217%
11	10.622	1444	1450	1456	rBV	416428	542625	22.77%	2.799%
12	10.698	1458	1463	1472	rVV	903291	1195442	50.16%	6.166%
13	10.927	1498	1502	1509	rVB	84498	110902	4.65%	0.572%
14	11.063	1521	1525	1535	rBV4	23814	42417	1.78%	0.219%
15	11.251	1553	1557	1569	rBV9	12026	30007	1.26%	0.155%
16	11.398	1576	1582	1592	rBV	527318	753748	31.63%	3.888%
17	11.627	1615	1621	1627	rBV2	12111	29958	1.26%	0.155%
18	11.851	1655	1659	1662	rBV3	18971	29538	1.24%	0.152%
19	11.922	1666	1671	1683	rVV2	386950	637731	26.76%	3.289%
20	12.092	1695	1700	1705	rBV5	28727	56237	2.36%	0.290%
21	12.416	1752	1755	1759	rBV	22623	29905	1.25%	0.154%
22	12.616	1785	1789	1800	rVB2	144597	302999	12.71%	1.563%
23	12.710	1801	1805	1817	rVB2	75115	131107	5.50%	0.676%
24	12.845	1823	1828	1831	rBV	89961	124883	5.24%	0.644%
25	12.986	1846	1852	1859	rBV	1807026	2383373	100.00%	12.292%
26	13.886	2001	2005	2017	rVB2	98429	231509	9.71%	1.194%
27	14.045	2028	2032	2040	rVB	462968	653676	27.43%	3.371%
28	14.898	2173	2177	2182	rVB	174318	244003	10.24%	1.258%
29	15.162	2218	2222	2227	rVB	203379	285463	11.98%	1.472%
30	15.539	2282	2286	2304	rVB	287175	491886	20.64%	2.537%
31	15.992	2359	2363	2371	rVB	140374	237702	9.97%	1.226%

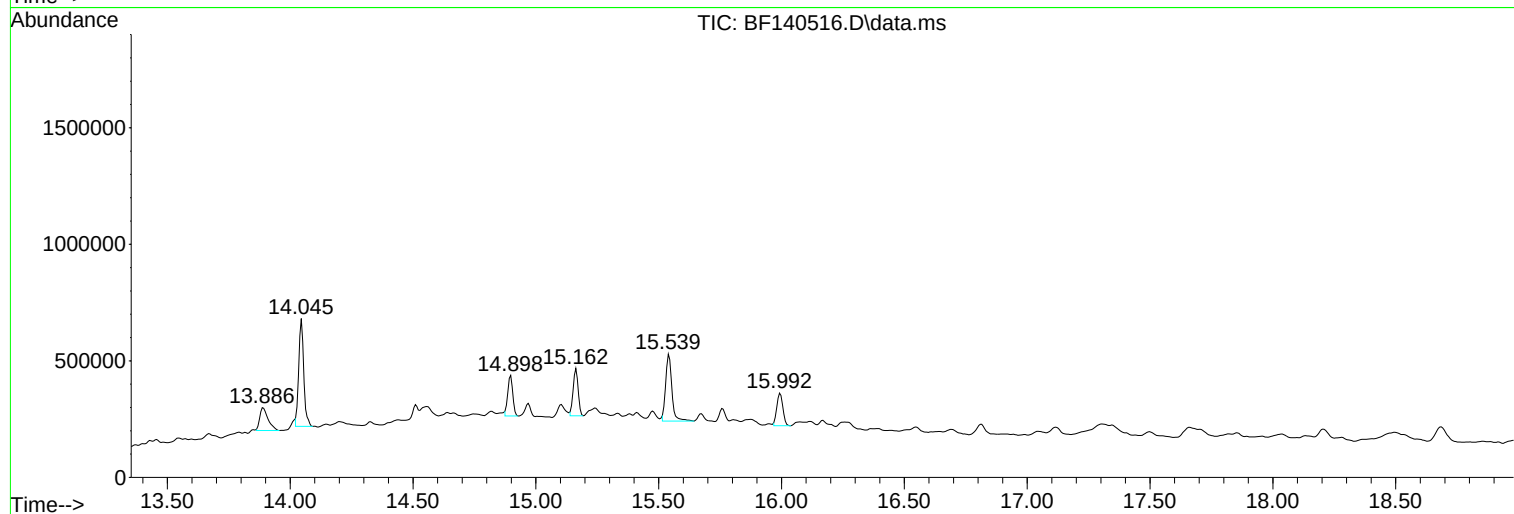
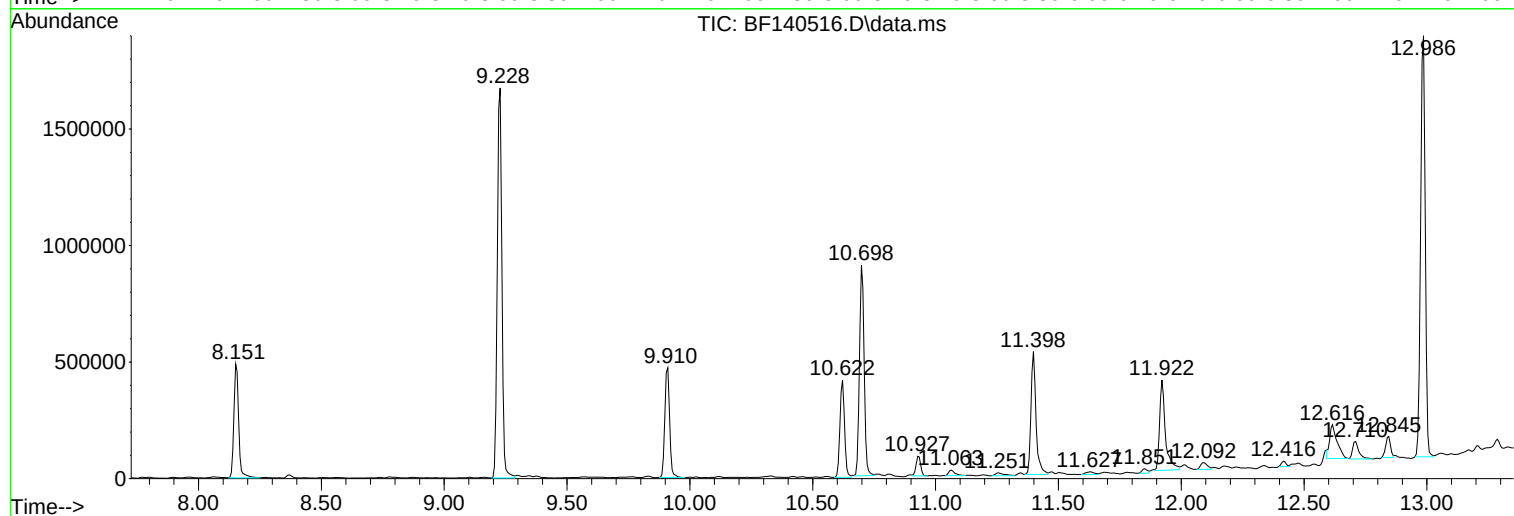
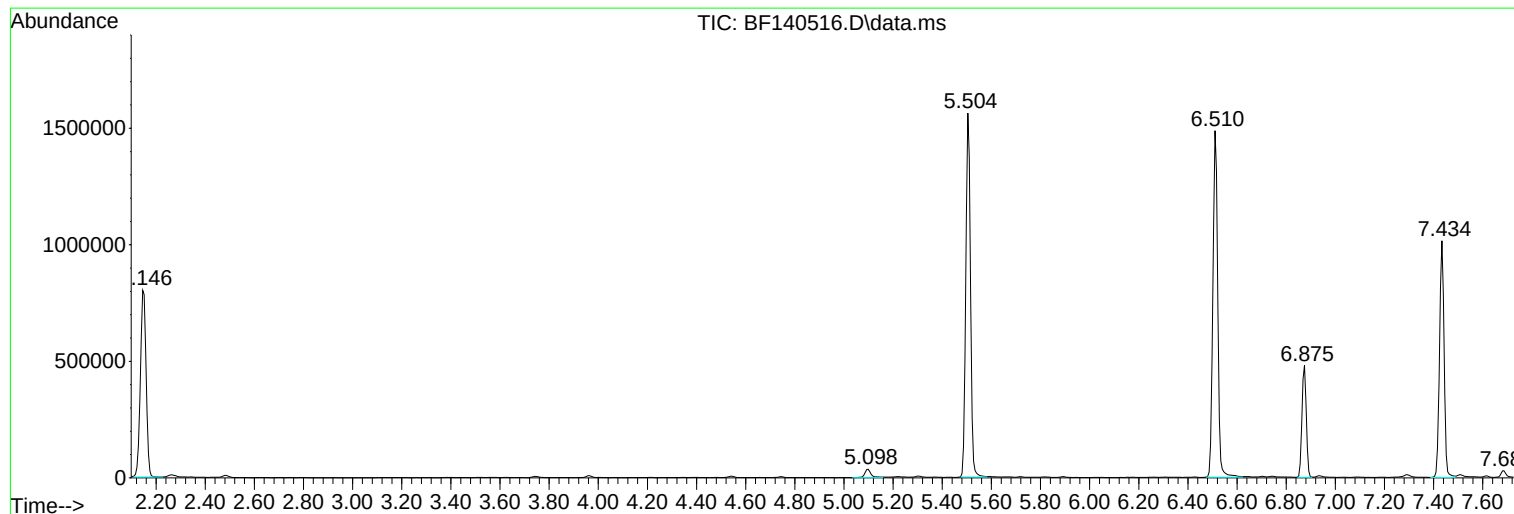
Sum of corrected areas: 19388858

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

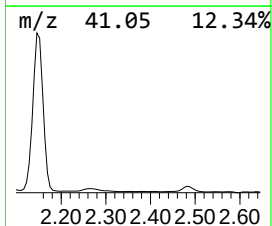
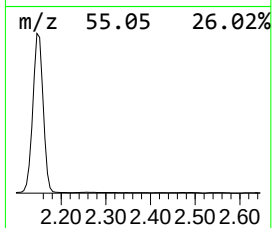
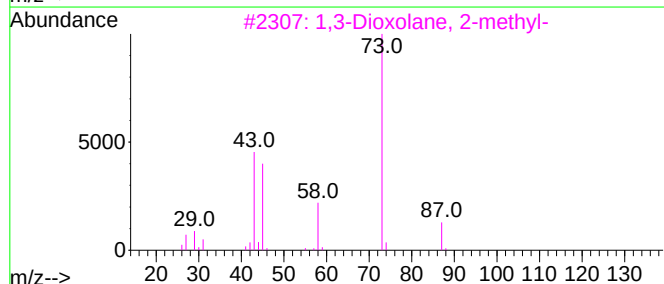
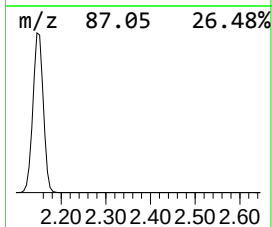
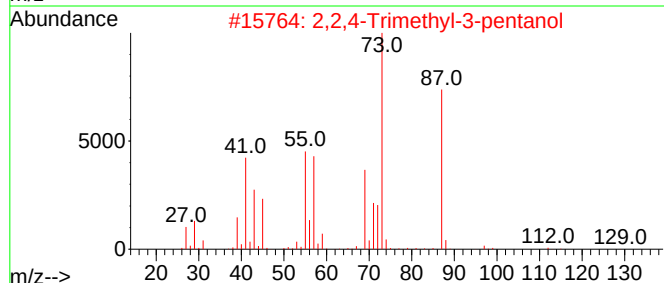
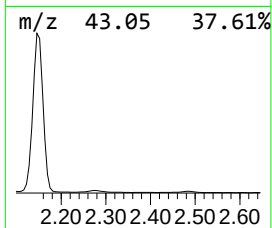
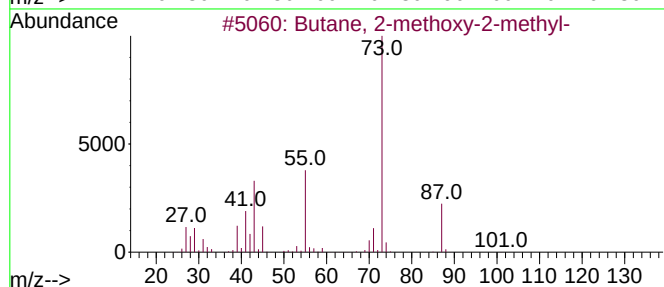
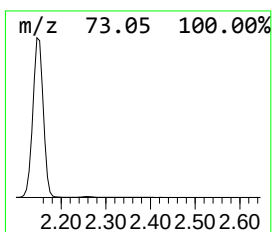
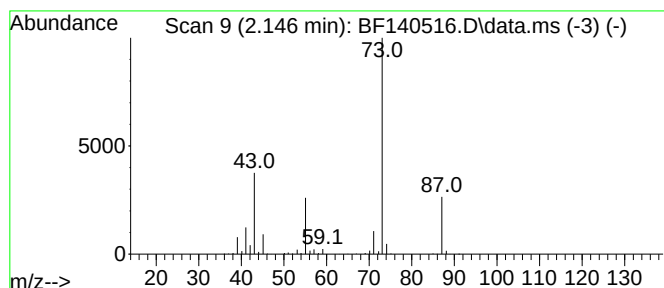
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
2.146	44.03 ng	1292210	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	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

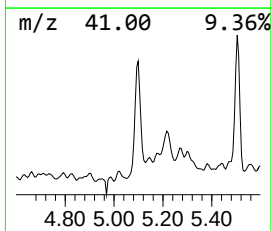
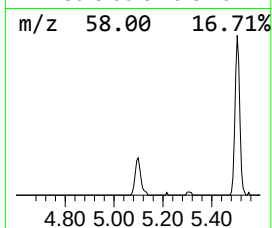
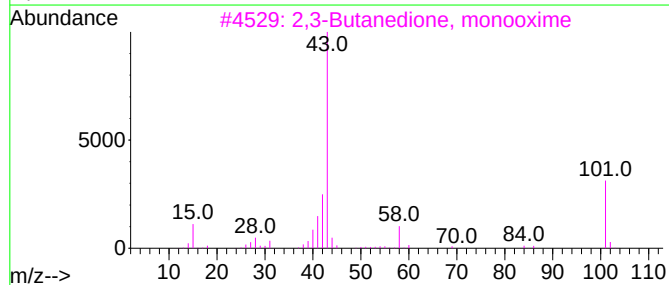
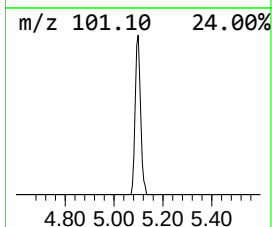
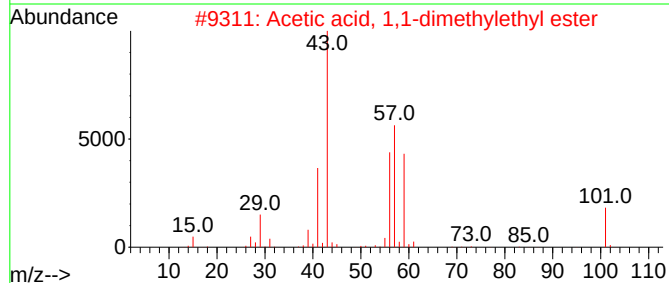
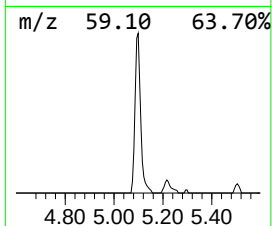
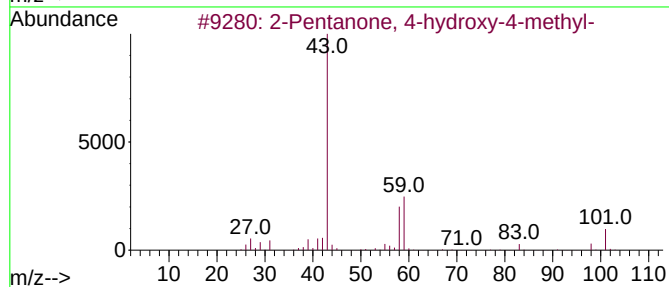
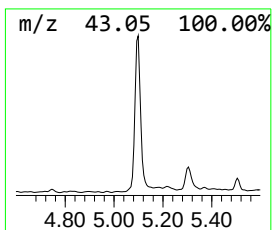
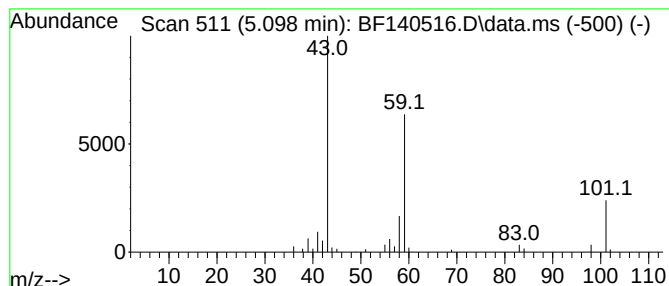
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.098	2.25 ng	66121	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	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

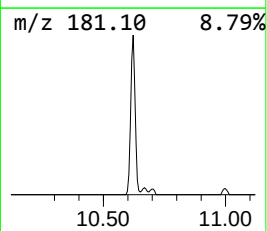
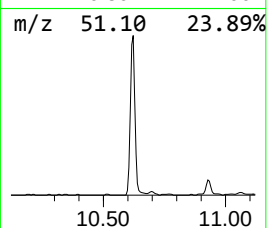
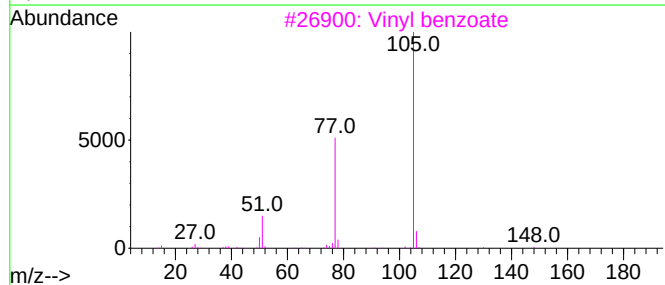
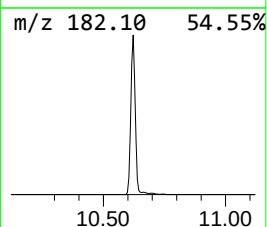
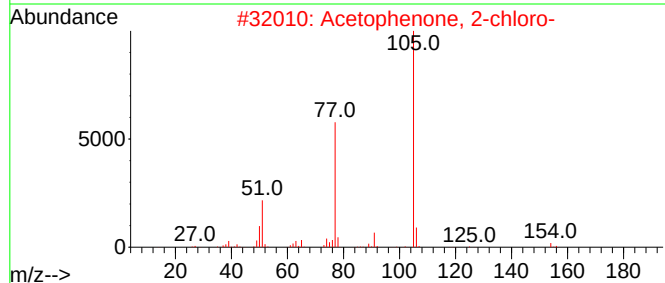
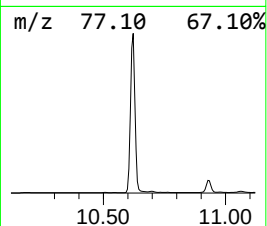
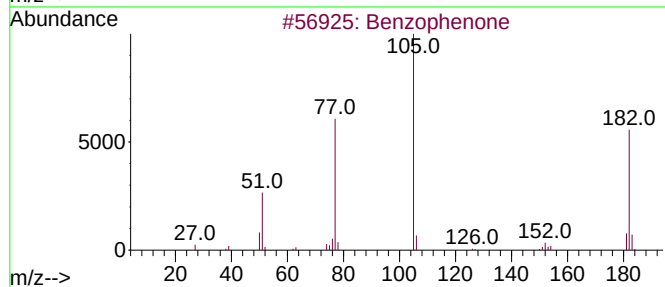
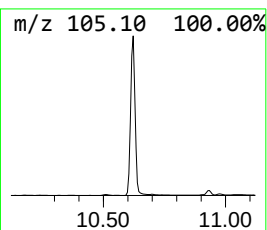
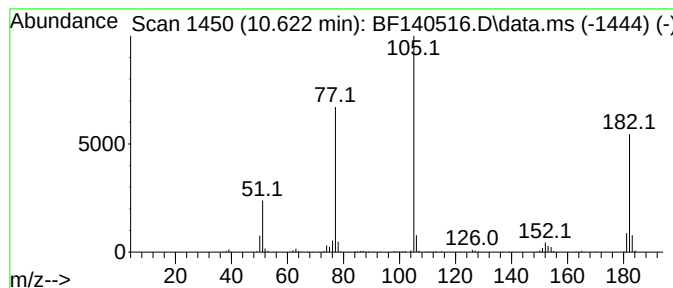
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	17.40 ng	542625	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3			Vinyl benzoate	148	C9H8O2	000769-78-8	47
4			N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
5			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-3

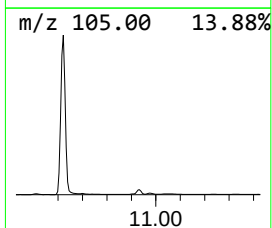
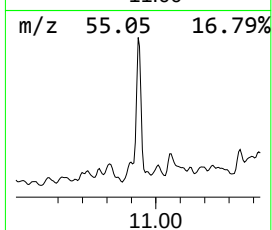
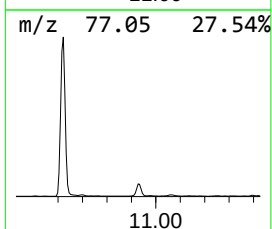
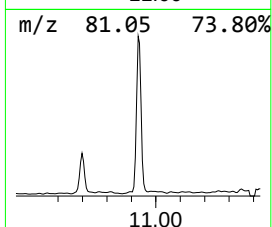
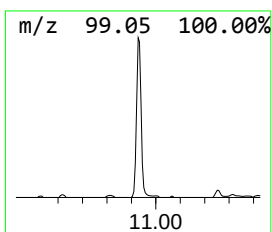
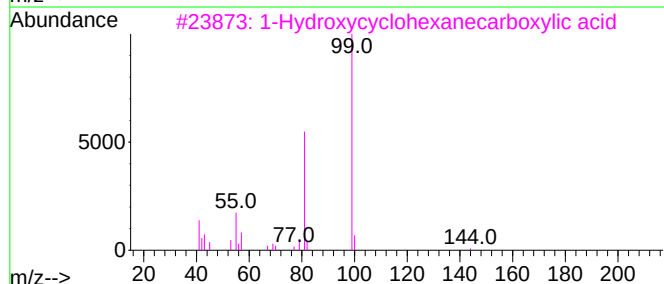
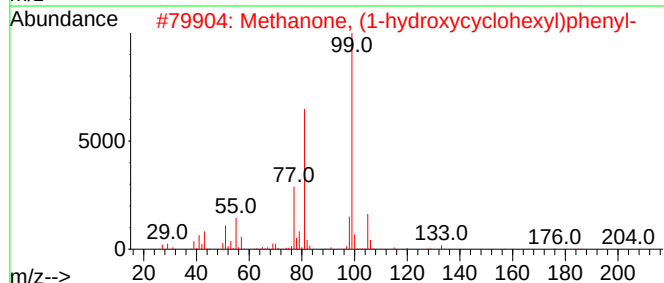
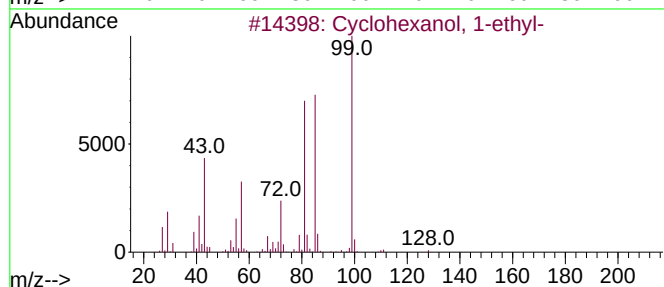
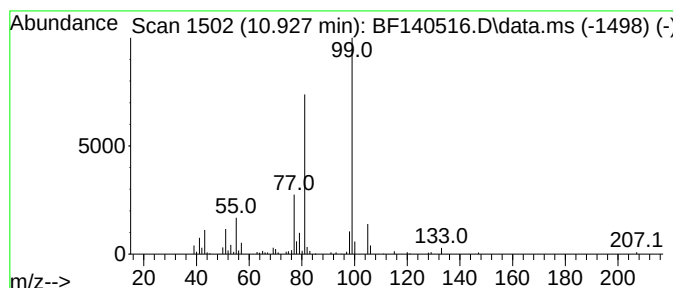
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Cyclohexanol, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	2.94 ng	110902	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	59
2			Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	58
3			1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	38
4			1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	38
5			3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
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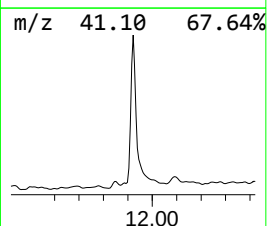
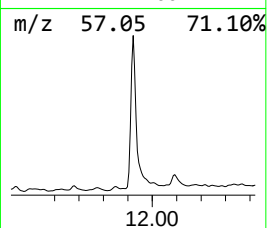
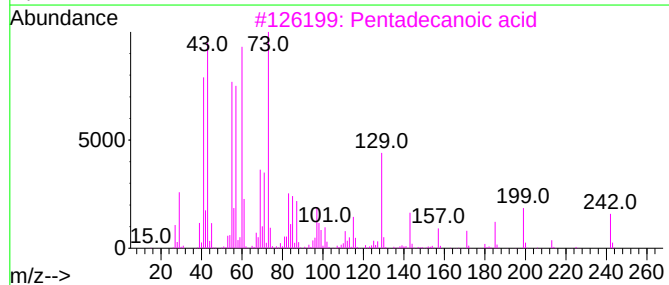
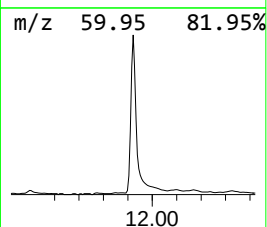
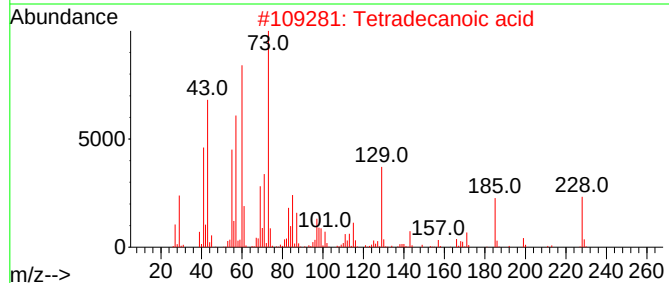
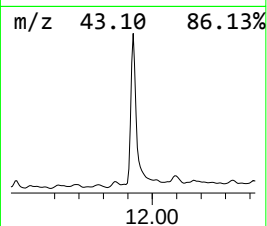
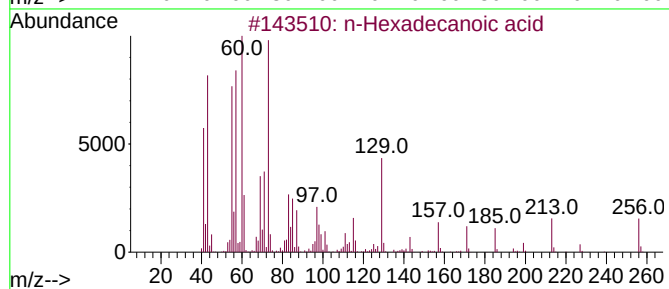
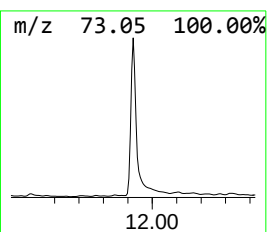
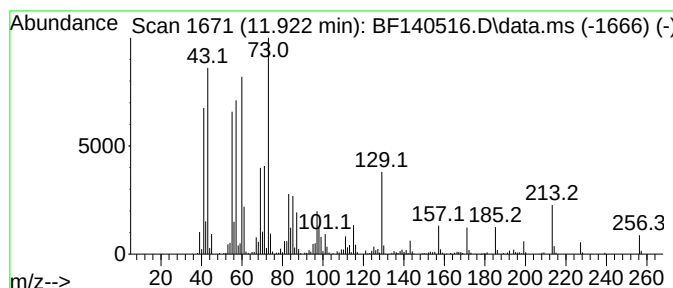
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	16.92 ng	637731	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tridecanoic acid	214	C13H26O2	000638-53-9	93
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
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Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

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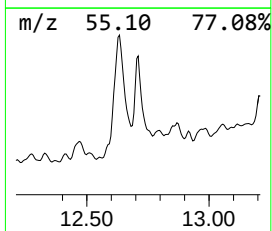
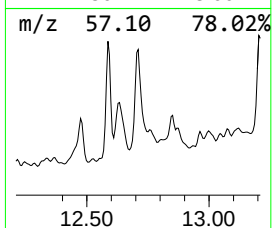
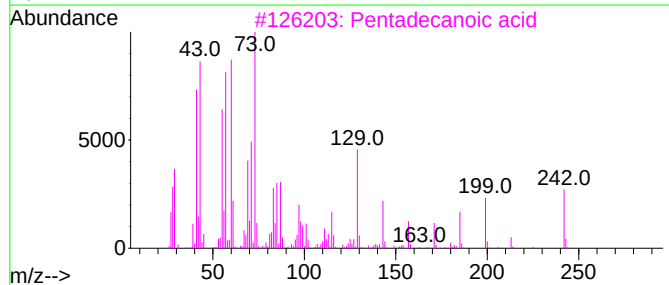
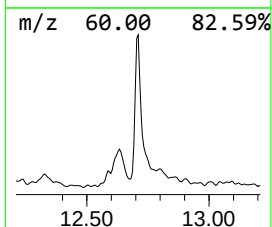
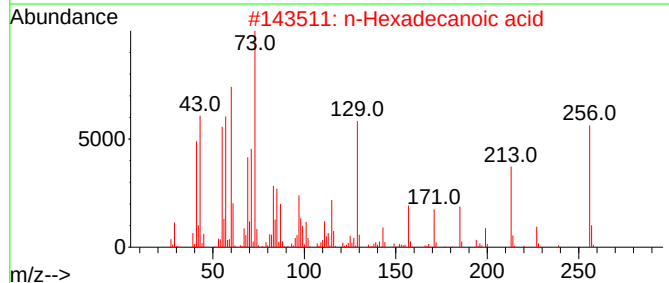
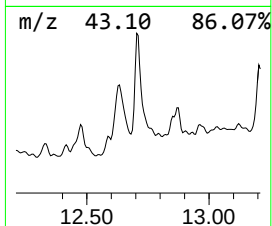
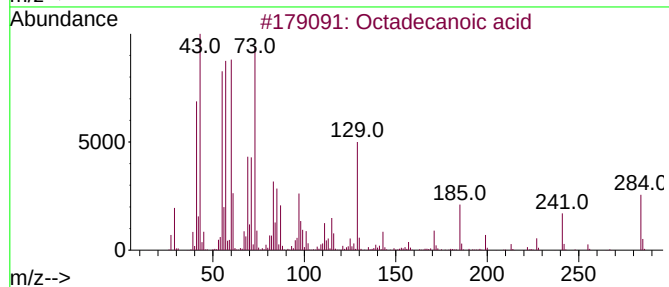
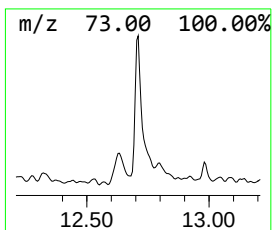
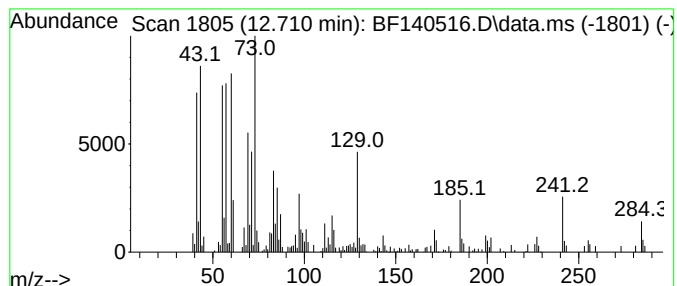
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	3.48 ng	131107	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Decanoic acid	172	C10H20O2	000334-48-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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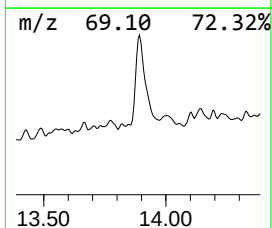
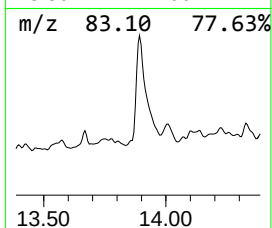
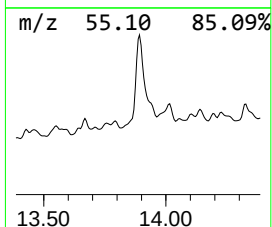
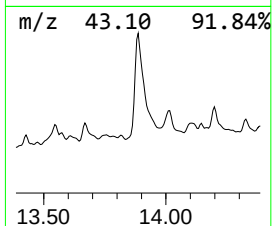
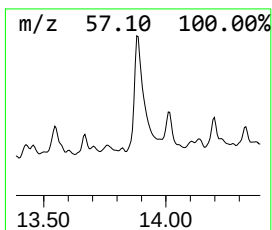
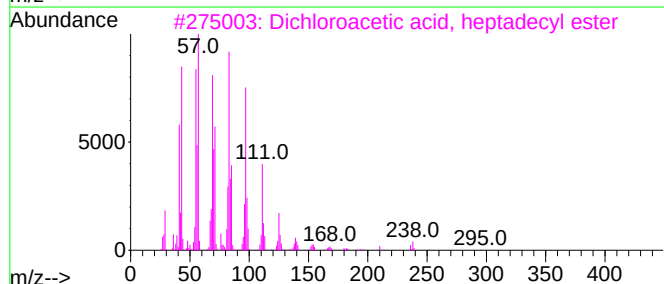
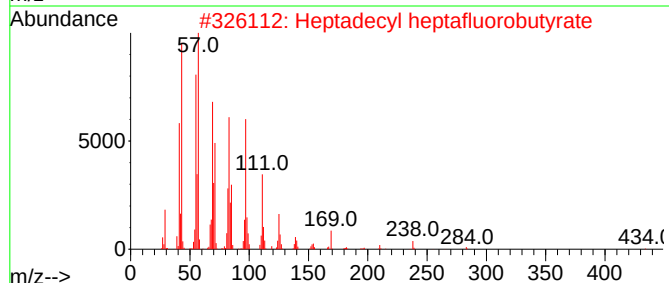
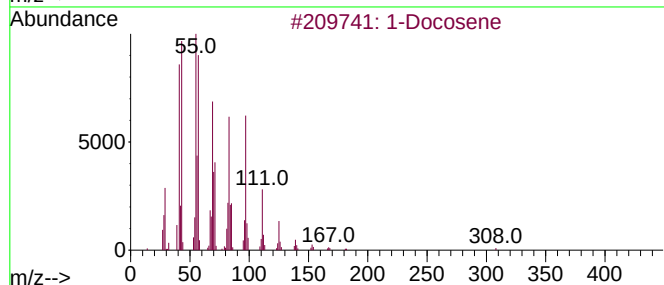
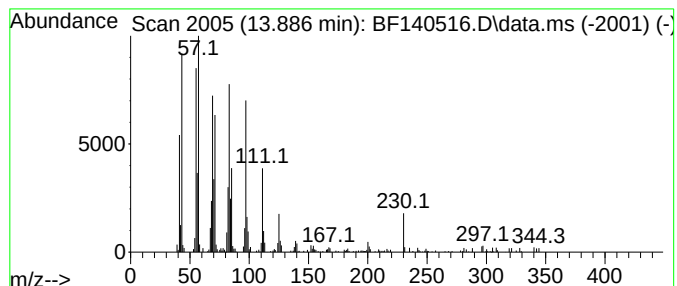
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Docosene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.886	7.08 ng	231509	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	93
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
4	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	91
5	Tetracosyl pentafluoropropionate	500	C27H49F5O2	1000351-81-3	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
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Sample : P4822-06
Misc :
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Instrument :
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ClientSampleId :
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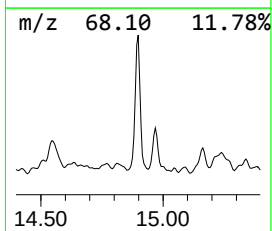
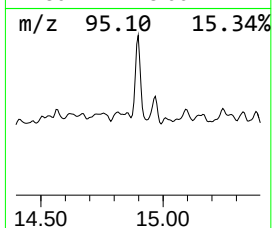
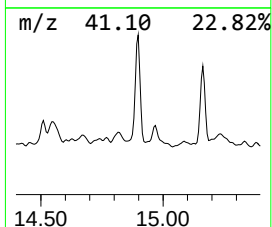
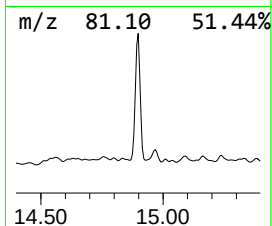
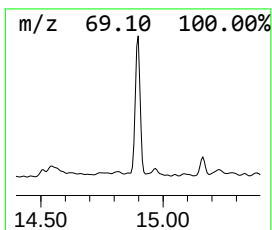
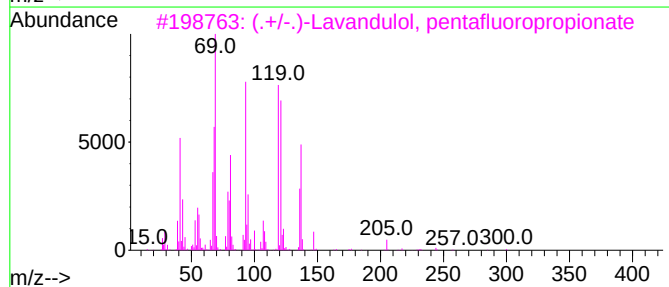
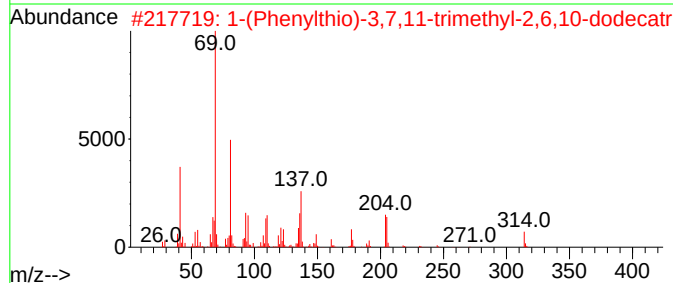
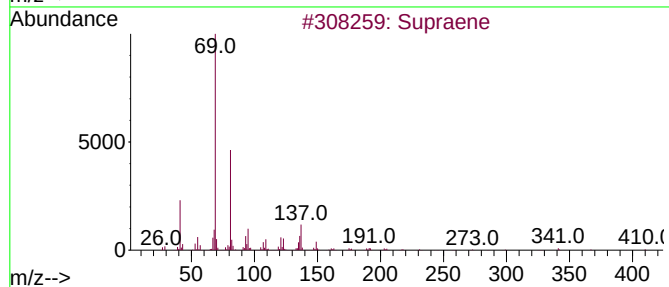
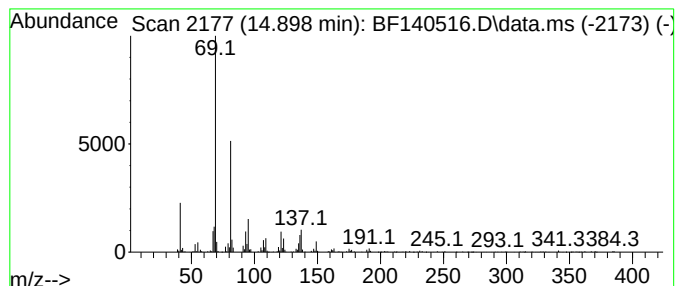
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Supraene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	9.92 ng	244003	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	91
2			1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	78
3			(.+/-)-Lavandulol, pentafluorop...	300	C13H17F5O2	1000352-63-1	72
4			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	64
5			1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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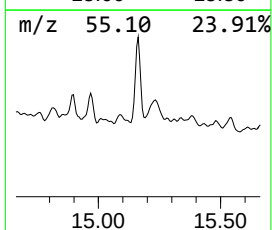
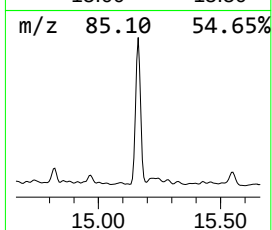
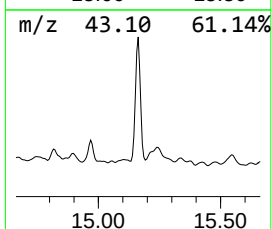
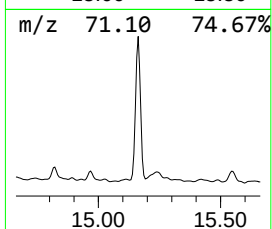
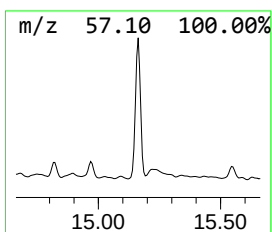
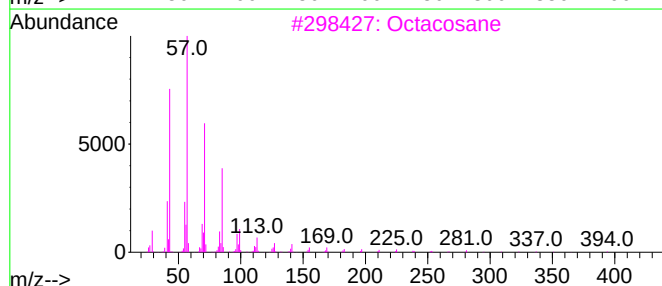
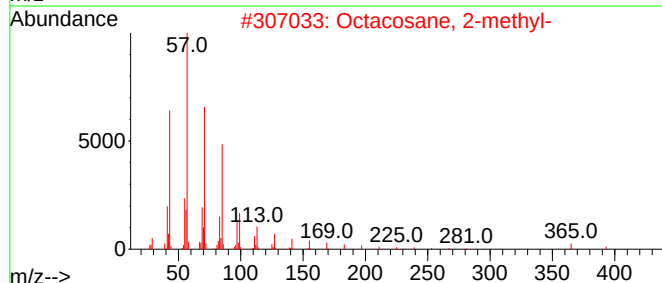
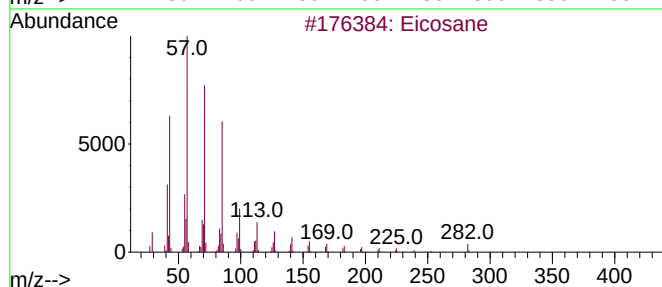
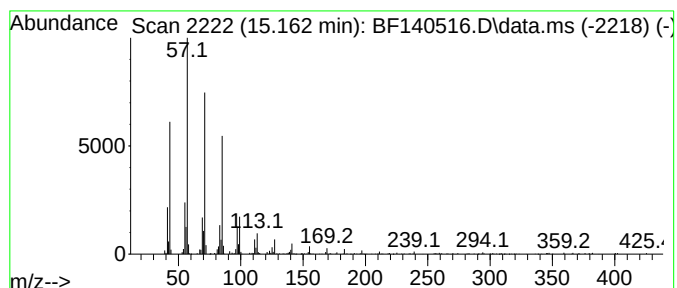
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	11.61 ng	285463	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane			282	C20H42	000112-95-8	94
2	Octacosane, 2-methyl-			408	C29H60	001560-98-1	91
3	Octacosane			394	C28H58	000630-02-4	91
4	Heptadecane, 9-octyl-			352	C25H52	007225-64-1	91
5	Heneicosane			296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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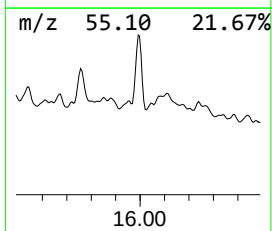
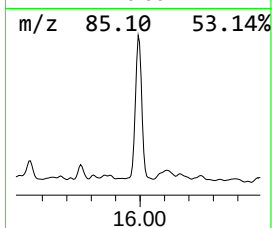
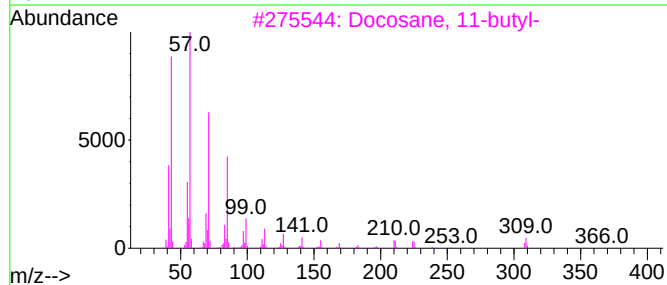
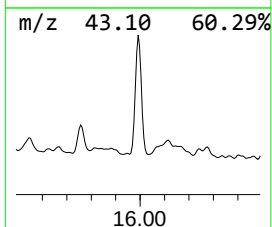
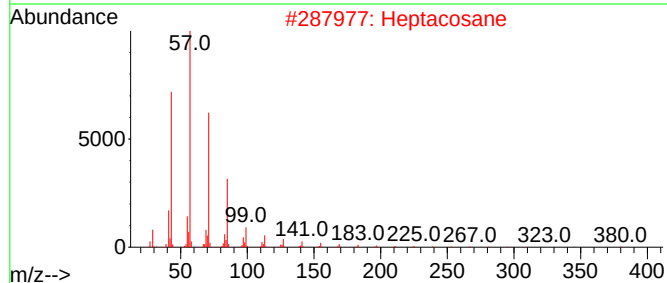
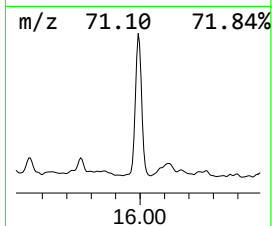
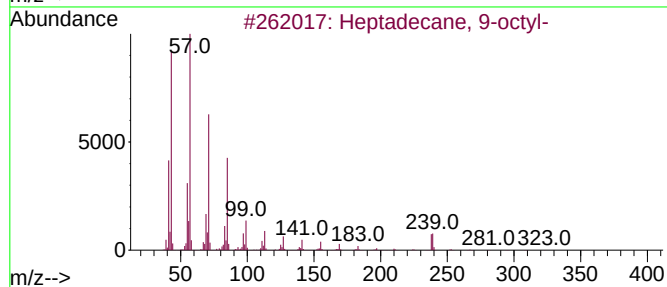
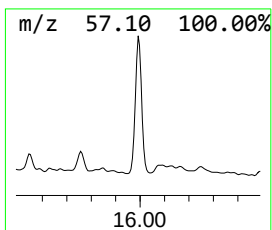
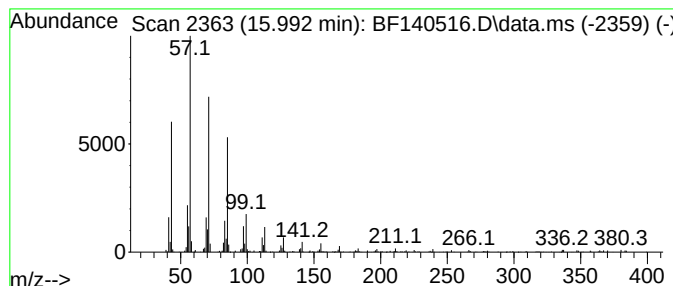
Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.992	9.66 ng	237702	Perylene-d12	15.539	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Heptacosane	380	C27H56	000593-49-7	95
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	95
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane, 5-butyl-	366	C26H54	055282-16-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140516.D
Acq On : 20 Nov 2024 22:40
Operator : RC/JU
Sample : P4822-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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...	2.146	44.0	ng	1292210	1	6.875	586929	20.0
2-Pentanone, 4-...	5.098	2.3	ng	66121	1	6.875	586929	20.0
Benzophenone	10.622	17.4	ng	542625	3	9.910	623725	20.0
Cyclohexanol, 1...	10.928	2.9	ng	110902	4	11.398	753748	20.0
n-Hexadecanoic ...	11.922	16.9	ng	637731	4	11.398	753748	20.0
Octadecanoic acid	12.710	3.5	ng	131107	4	11.398	753748	20.0
1-Docosene	13.886	7.1	ng	231509	5	14.045	653676	20.0
Supraene	14.898	9.9	ng	244003	6	15.539	491886	20.0
Eicosane	15.163	11.6	ng	285463	6	15.539	491886	20.0
Heptadecane, 9-...	15.992	9.7	ng	237702	6	15.539	491886	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140517.D	1	11/13/24 09:15	11/20/24 23:06	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	350	ug/Kg
108-95-2	Phenol	89.1	U	89.1	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.0	U	90.0	180	ug/Kg
95-57-8	2-Chlorophenol	89.8	U	89.8	180	ug/Kg
95-48-7	2-Methylphenol	86.6	U	86.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.7	U	97.7	180	ug/Kg
98-86-2	Acetophenone	93.4	U	93.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.8	U	85.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.3	U	43.3	86.0	ug/Kg
67-72-1	Hexachloroethane	89.2	U	89.2	180	ug/Kg
98-95-3	Nitrobenzene	97.6	U	97.6	180	ug/Kg
78-59-1	Isophorone	90.9	U	90.9	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.2	U	92.2	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.2	U	81.2	180	ug/Kg
91-20-3	Naphthalene	88.8	U	88.8	180	ug/Kg
106-47-8	4-Chloroaniline	88.8	UQ	88.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.5	U	89.5	180	ug/Kg
105-60-2	Caprolactam	93.3	U	93.3	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.3	U	83.3	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.7	U	88.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.8	U	76.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.5	U	79.5	180	ug/Kg
92-52-4	1,1-Biphenyl	94.0	U	94.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.5	U	89.5	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	180	ug/Kg
131-11-3	Dimethylphthalate	87.8	U	87.8	180	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.9
Sample Wt/Vol:	30.04 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
BF140517.D	1	11/13/24 09:15	11/20/24 23:06	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	93.0	U	93.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.4	U	89.4	180	ug/Kg
99-09-2	3-Nitroaniline	95.9	UQ	95.9	180	ug/Kg
83-32-9	Acenaphthene	87.2	U	87.2	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	350	ug/Kg
132-64-9	Dibenzofuran	90.7	U	90.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.7	U	92.7	180	ug/Kg
84-66-2	Diethylphthalate	86.1	U	86.1	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.0	U	92.0	180	ug/Kg
86-73-7	Fluorene	91.9	U	91.9	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.7	U	87.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.8	U	84.8	180	ug/Kg
118-74-1	Hexachlorobenzene	91.4	U	91.4	180	ug/Kg
1912-24-9	Atrazine	98.3	U	98.3	180	ug/Kg
87-86-5	Pentachlorophenol	83.1	U	83.1	350	ug/Kg
85-01-8	Phenanthrene	130	J	90.3	180	ug/Kg
120-12-7	Anthracene	90.7	U	90.7	180	ug/Kg
86-74-8	Carbazole	86.3	U	86.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.6	U	90.6	180	ug/Kg
206-44-0	Fluoranthene	220		87.8	180	ug/Kg
129-00-0	Pyrene	190		89.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	350	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	86.8	180	ug/Kg
218-01-9	Chrysene	100	J	85.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.8	U	97.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	87.2	180	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.9
Sample Wt/Vol:	30.04 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
BF140517.D	1	11/13/24 09:15	11/20/24 23:06	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	88.8	U	88.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.0	U	84.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.3	U	87.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.1	U	86.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.3	U	93.3	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.3	U	80.3	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	85.0		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	76.3		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.5		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.0		30 (20) - 130 (109)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	89.9		30 (10) - 130 (116)	60%	SPK: 150
1718-51-0	Terphenyl-d14	66.4		30 (10) - 130 (105)	66%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	96500	6.875
1146-65-2	Naphthalene-d8	315000	8.151
15067-26-2	Acenaphthene-d10	147000	9.91
1517-22-2	Phenanthrene-d10	285000	11.398
1719-03-5	Chrysene-d12	192000	14.045
1520-96-3	Perylene-d12	146000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J	2.13	ug/Kg
000119-61-9	Benzophenone	390	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	510	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	150	J	12.7	ug/Kg
018435-45-5	1-Nonadecene	200	J	13.9	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.9
Sample Wt/Vol:	30.04 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
BF140517.D	1	11/13/24 09:15	11/20/24 23:06	PB164940

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\BF112024\
 Data File : BF140517.D
 Acq On : 20 Nov 2024 23:06
 Operator : RC/JU
 Sample : P4822-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:09:49 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	96480	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	314709	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	146621	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	284987	20.000	ng	0.00
76) Chrysene-d12	14.045	240	192365	20.000	ng	0.00
86) Perylene-d12	15.545	264	146314	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	480204	84.981	ng	0.01
7) Phenol-d6	6.510	99	584224	76.311	ng	0.00
23) Nitrobenzene-d5	7.434	82	365389	60.493	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	131048	89.880	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	647405	70.981	ng	0.00
79) Terphenyl-d14	12.986	244	736174	66.428	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	47154	3.522	ng	99
75) Fluoranthene	12.616	202	94302	6.279	ng	99
78) Pyrene	12.845	202	88844	5.399	ng	98
81) Benzo(a)anthracene	14.039	228	42550	3.366	ng	# 92
83) Chrysene	14.074	228	33476	2.902	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.016	149	19954	2.365	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	33761m	3.527	ng	
89) Benzo(k)fluoranthene	15.121	252	18092m	2.314	ng	
90) Benzo(a)pyrene	15.480	252	23104	3.108	ng	# 83

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

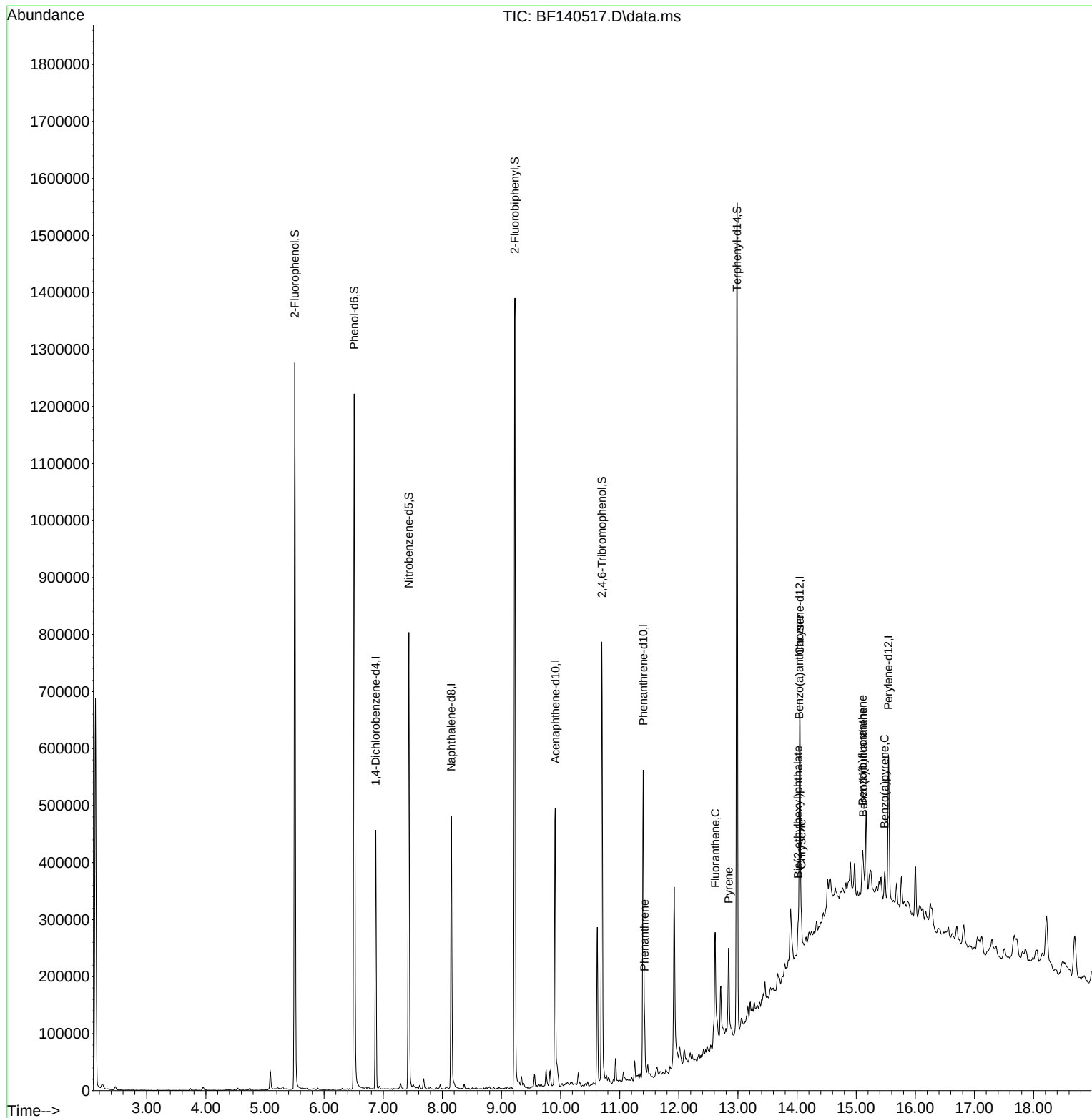
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Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

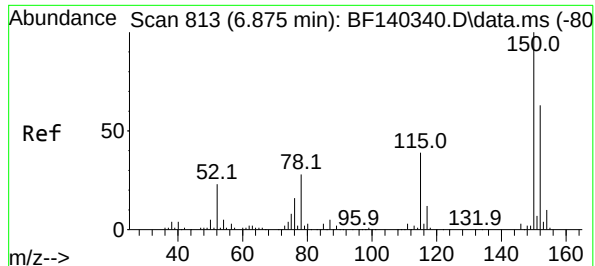
Instrument :
BNA_F
ClientSampleId :
SOIL-4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

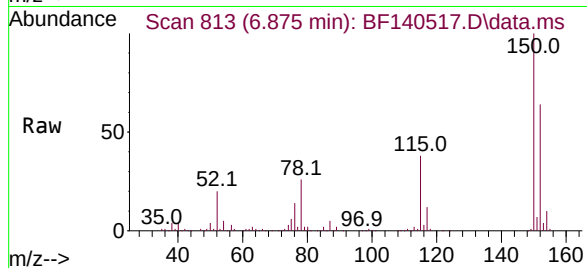
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

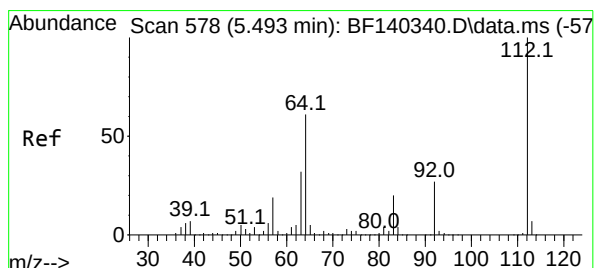
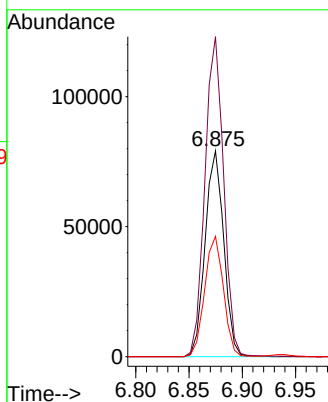
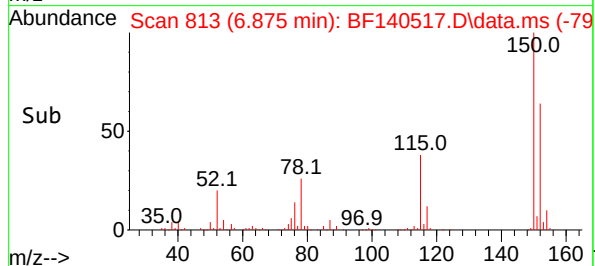
Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:152 Resp: 96480
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.0
115 58.5 47.4 71.2

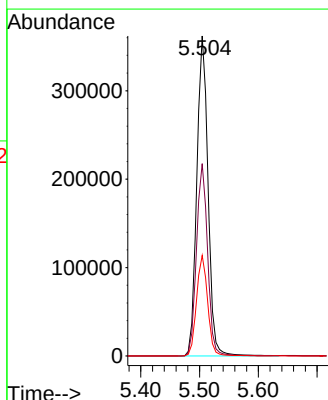
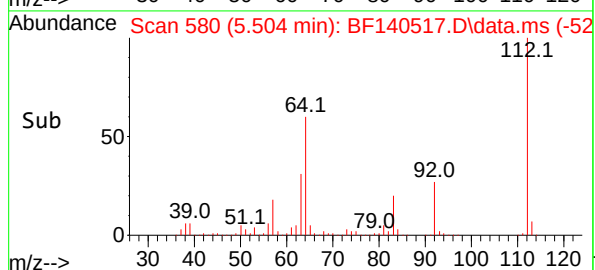
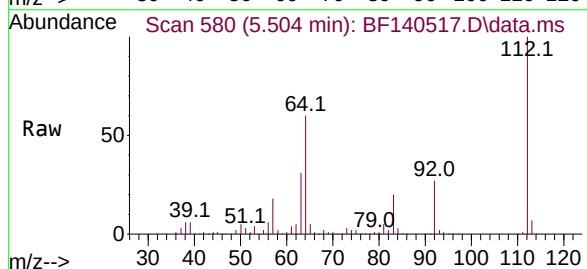
Manual Integrations
APPROVED

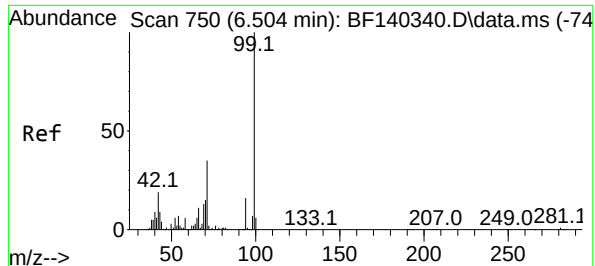
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 84.981 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

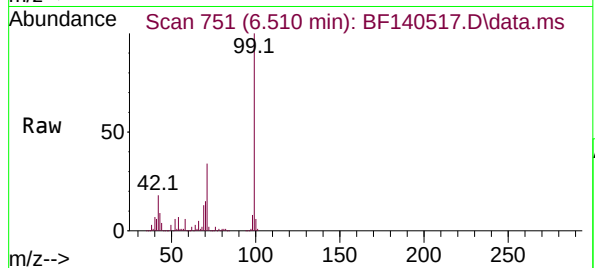
Tgt Ion:112 Resp: 480204
Ion Ratio Lower Upper
112 100
64 60.1 49.2 73.8
63 31.4 25.6 38.4





#7
Phenol-d6
Concen: 76.311 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

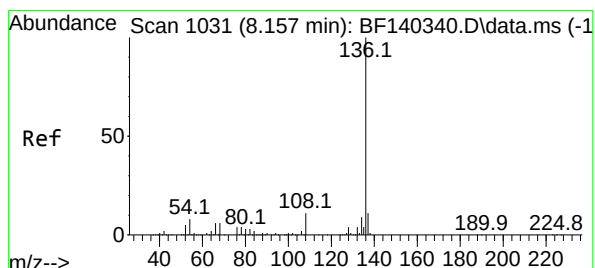
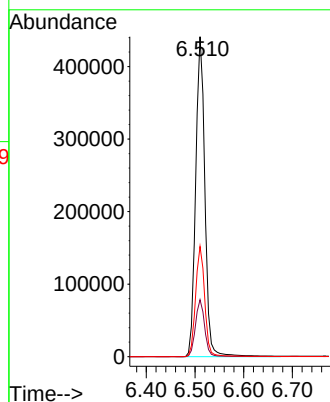
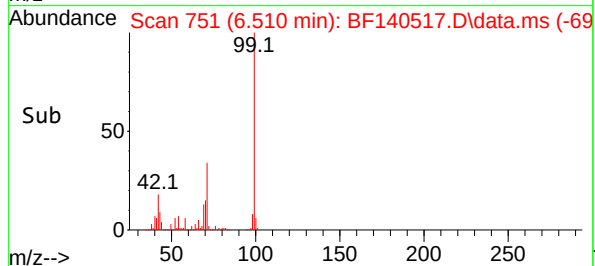
Instrument :
BNA_F
ClientSampleId :
SOIL-4



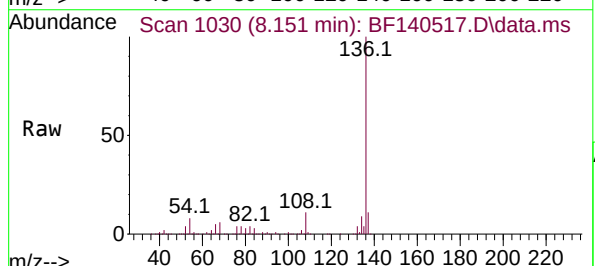
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Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 34.5 27.9 41.9

Manual Integrations
APPROVED

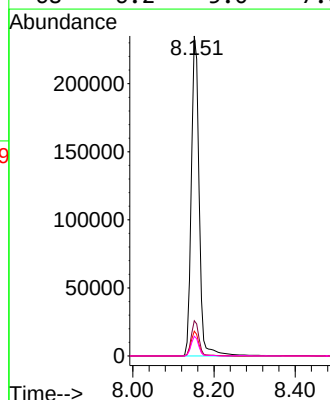
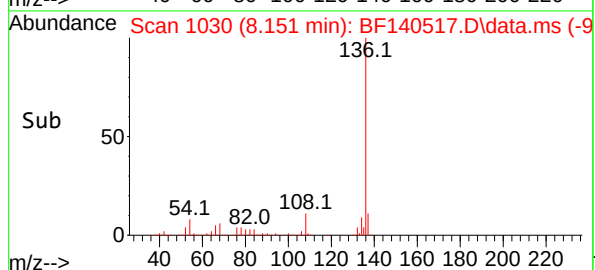
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

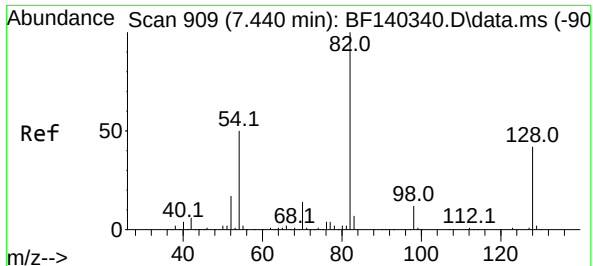


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06



Tgt Ion:136 Resp: 314709
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.7 6.5 9.7
68 6.2 5.0 7.6





#23

Nitrobenzene-d5

Concen: 60.493 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

Tgt Ion: 82 Resp: 365389

Ion Ratio Lower Upper

82 100

128 42.5 33.3 49.9

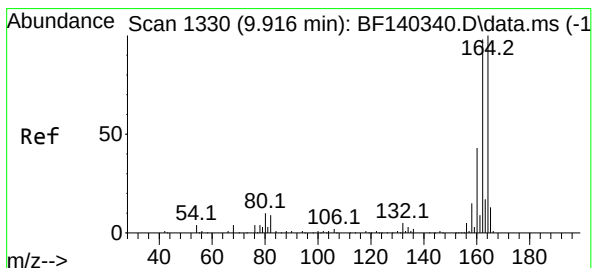
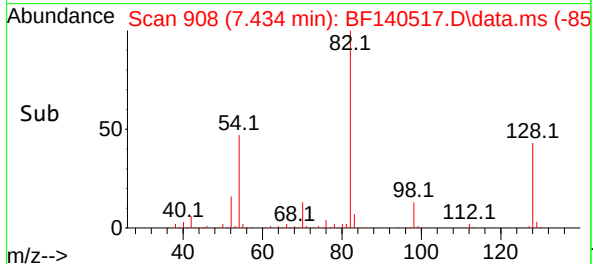
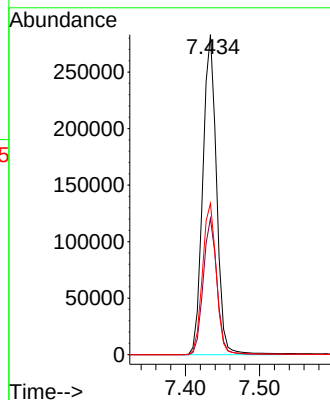
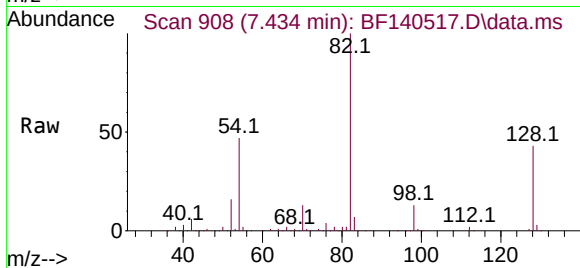
54 47.3 39.8 59.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

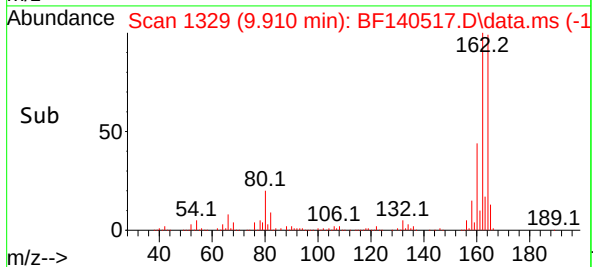
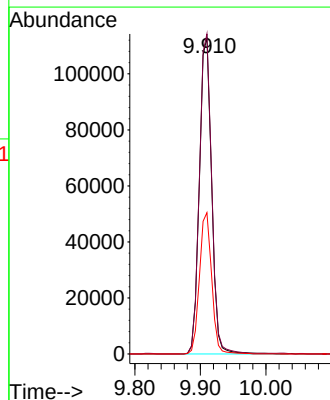
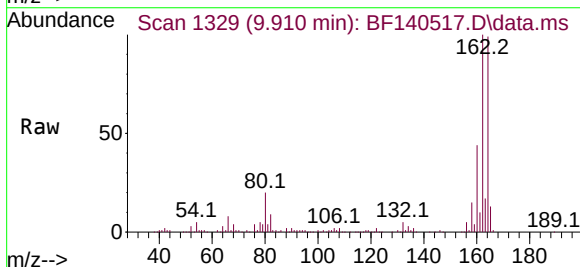
Tgt Ion:164 Resp: 146621

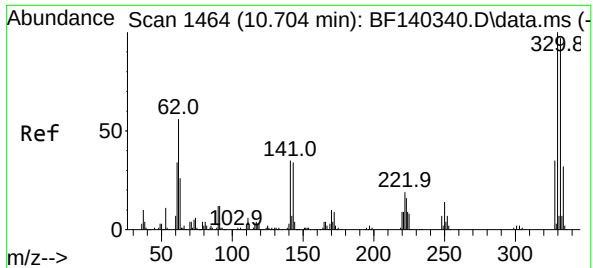
Ion Ratio Lower Upper

164 100

162 101.1 79.8 119.8

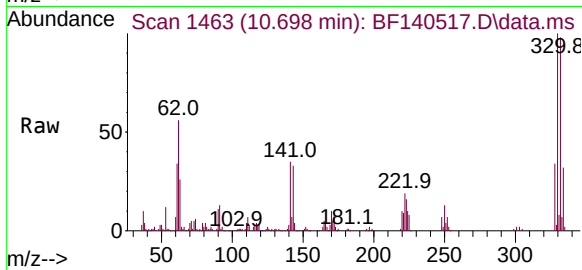
160 44.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 89.880 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

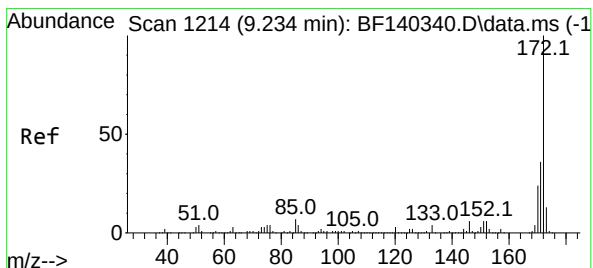
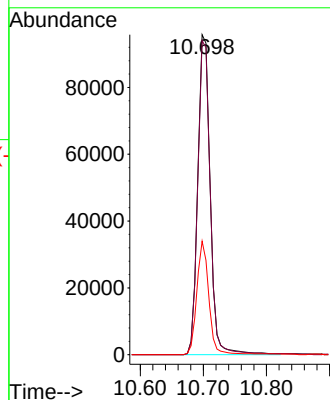
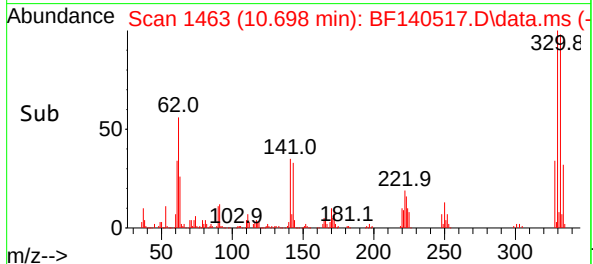
Instrument :
BNA_F
ClientSampleId :
SOIL-4



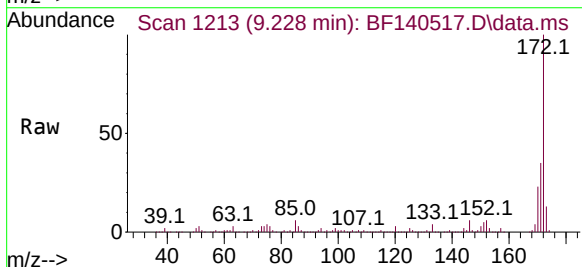
Tgt Ion: 330 Resp: 131048
Ion Ratio Lower Upper
330 100
332 98.1 75.9 113.9
141 34.9 26.9 40.3

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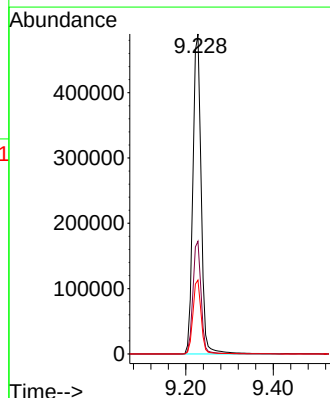
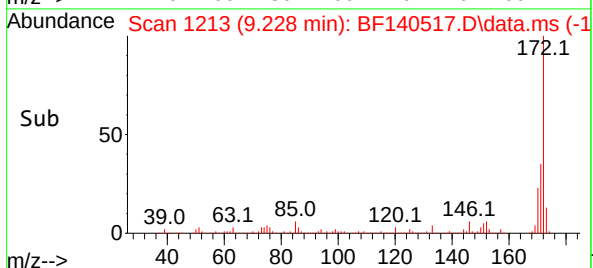
Reviewed By : Yogesh Patel 11/22/2024
Supervised By : mohammad ahmed 11/22/2024

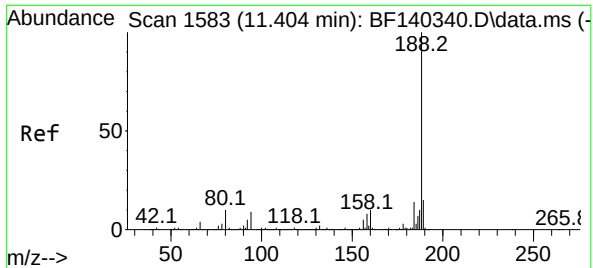


#45
2-Fluorobiphenyl
Concen: 70.981 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06



Tgt Ion: 172 Resp: 647405
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.1 19.1 28.7





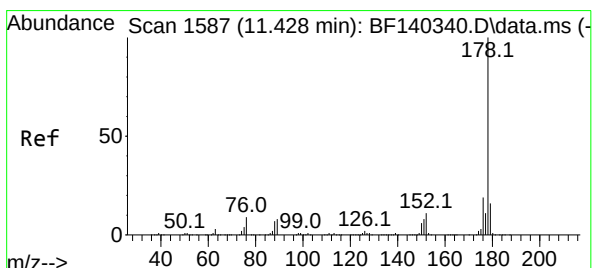
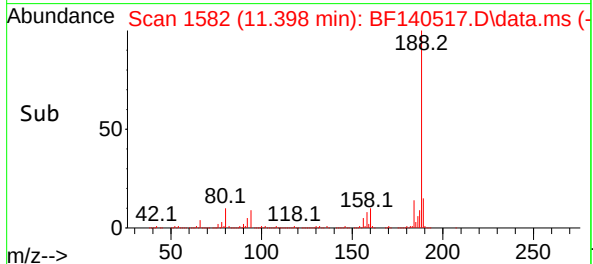
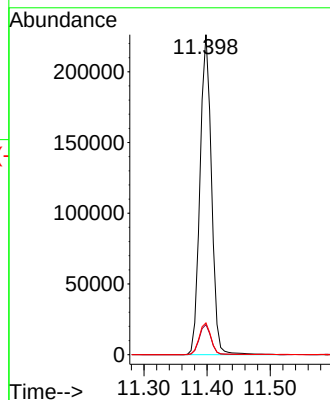
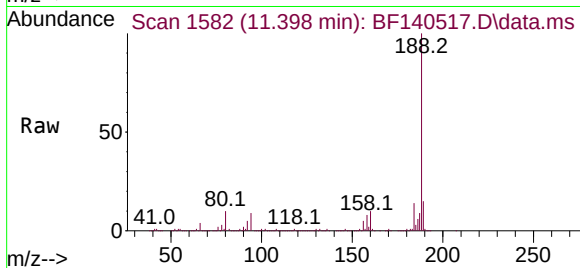
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:188 Resp: 28498
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 10.0 8.0 12.0

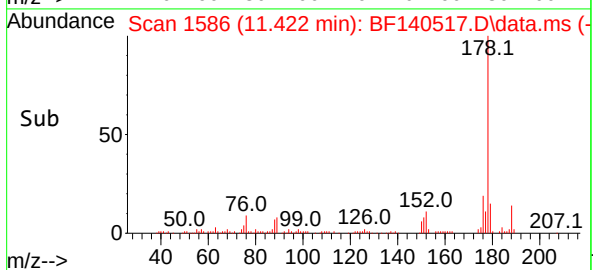
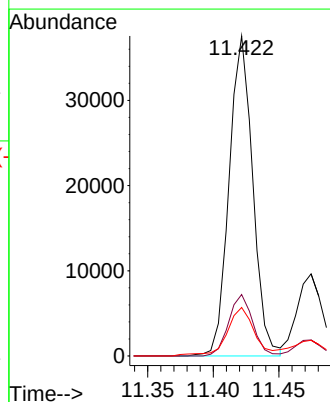
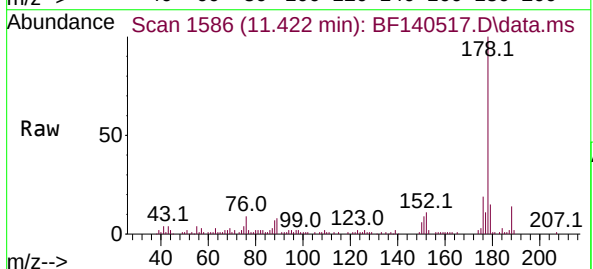
Manual Integrations
APPROVED

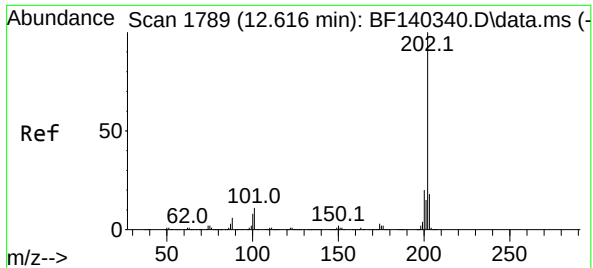
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 3.522 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

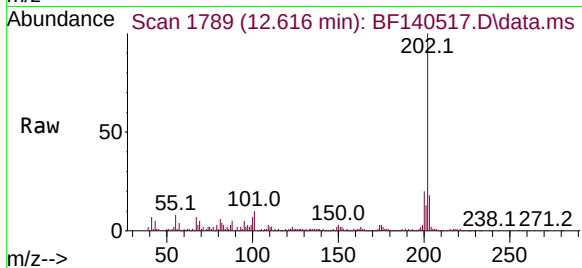
Tgt Ion:178 Resp: 47154
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 6.279 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

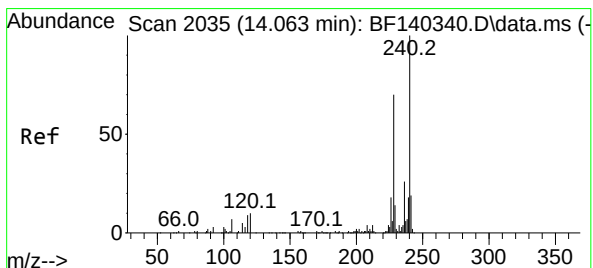
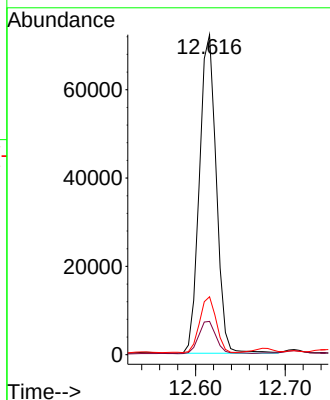
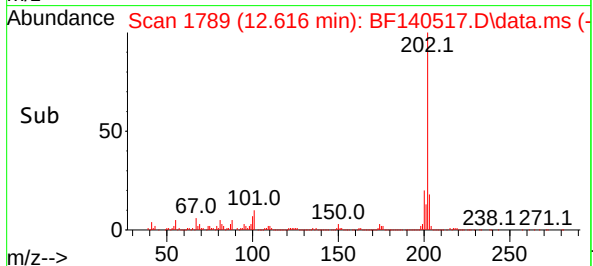
Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:202 Resp: 94302
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.7
203 18.1 0.0 37.7

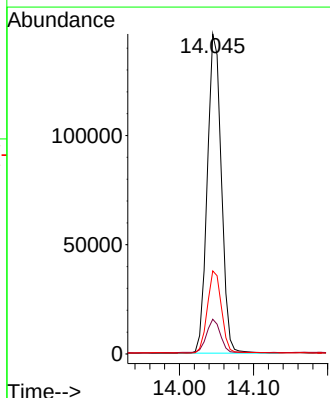
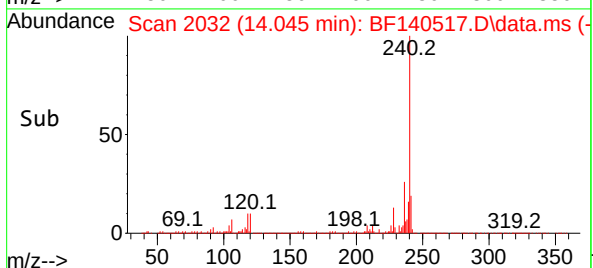
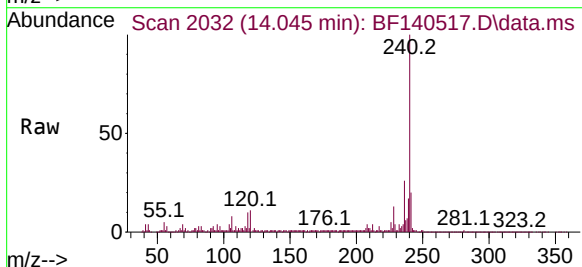
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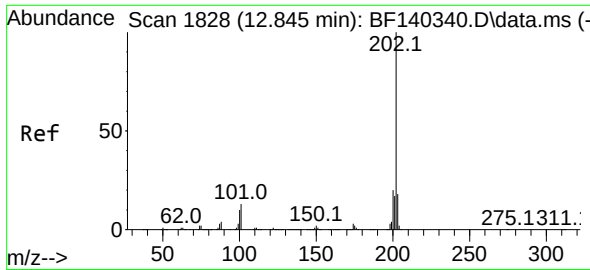
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:240 Resp: 192365
Ion Ratio Lower Upper
240 100
120 10.8 8.8 13.2
236 25.9 20.9 31.3





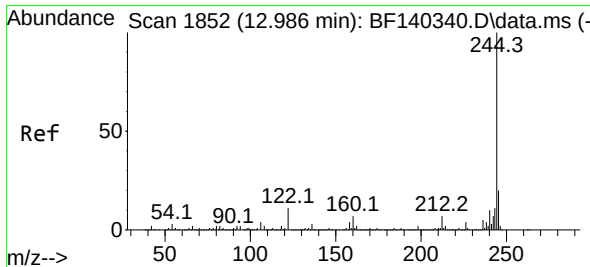
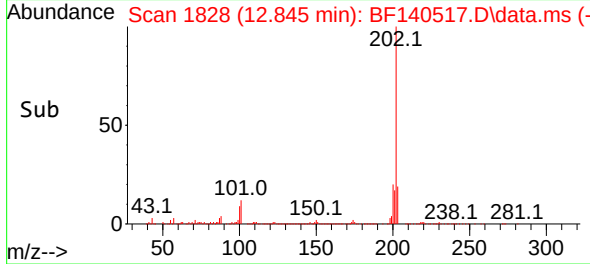
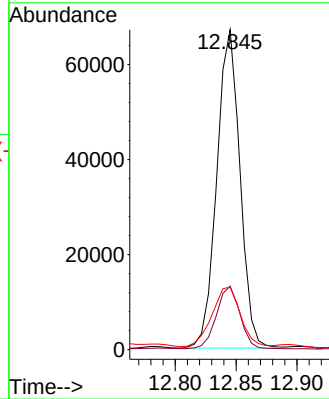
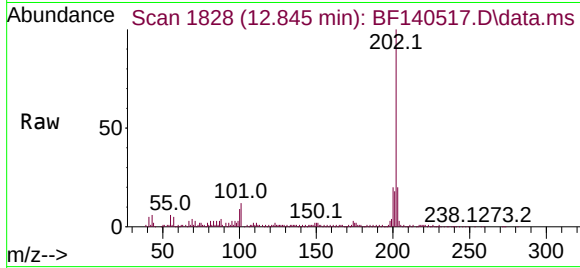
#78
Pyrene
Concen: 5.399 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:202 Resp: 8884
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 19.6 14.2 21.4

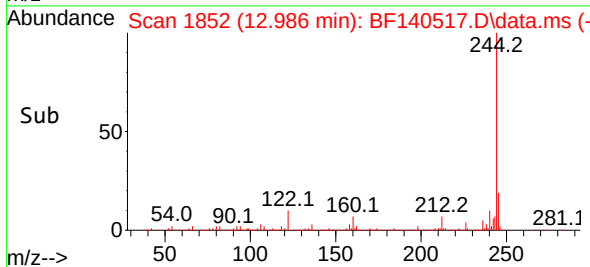
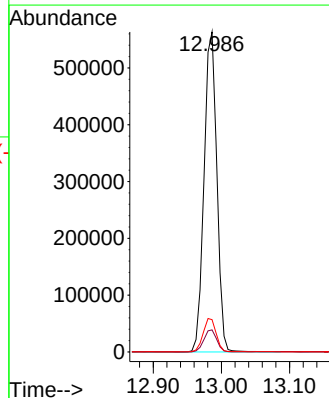
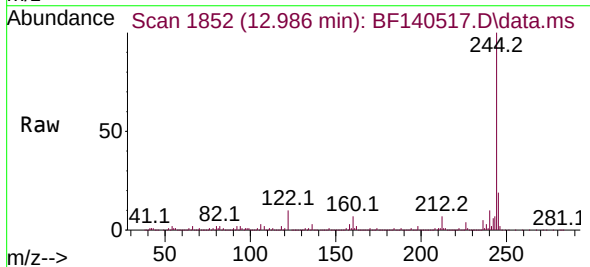
Manual Integrations
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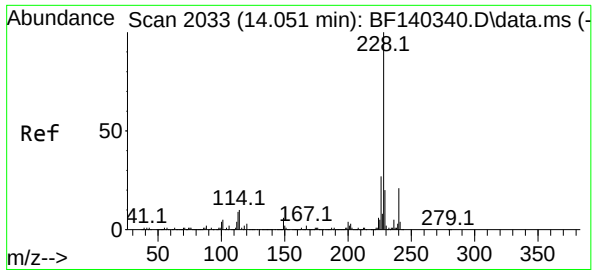
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#79
Terphenyl-d14
Concen: 66.428 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:244 Resp: 736174
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.366 ng

RT: 14.039 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

Tgt Ion:228 Resp: 42550

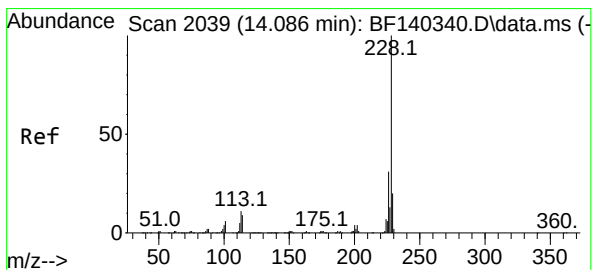
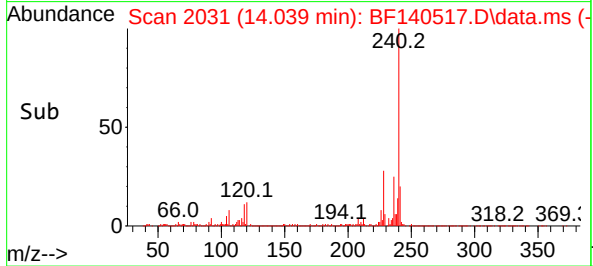
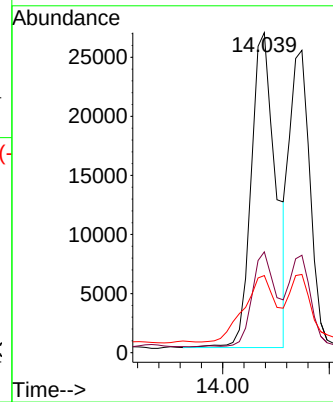
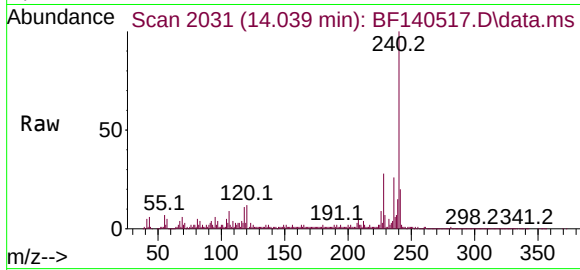
Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.2	33.4
229	24.1	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#83

Chrysene

Concen: 2.902 ng

RT: 14.074 min Scan# 2037

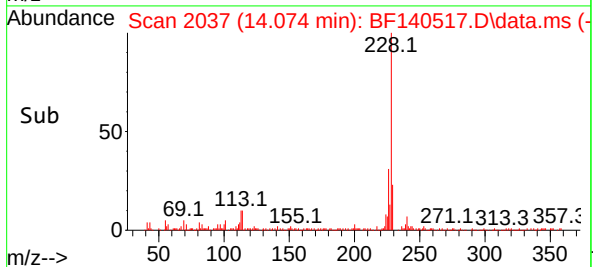
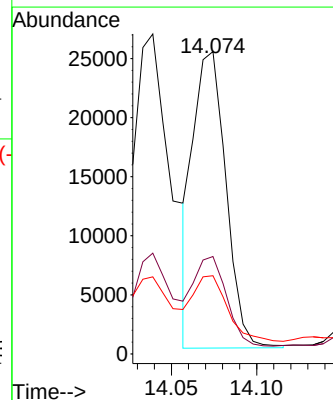
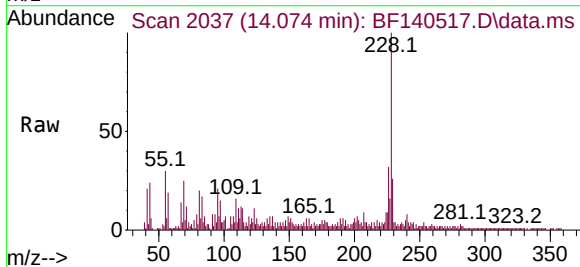
Delta R.T. -0.006 min

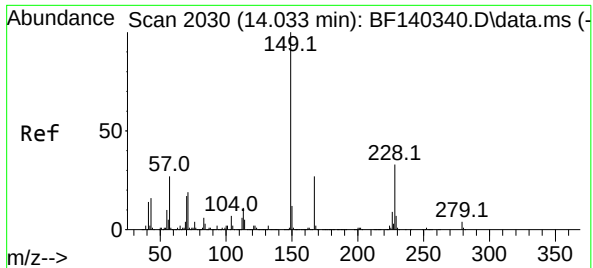
Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Tgt Ion:228 Resp: 33476

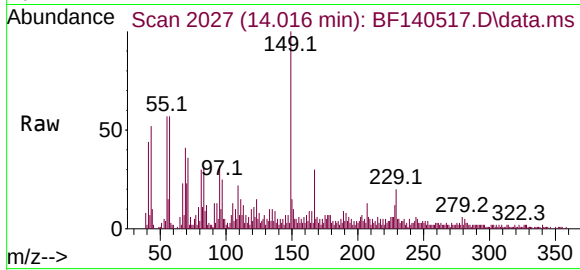
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.5	36.7
229	25.9	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.365 ng
RT: 14.016 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

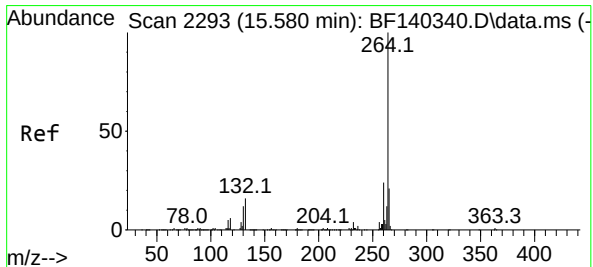
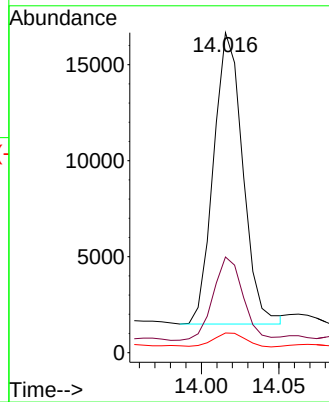
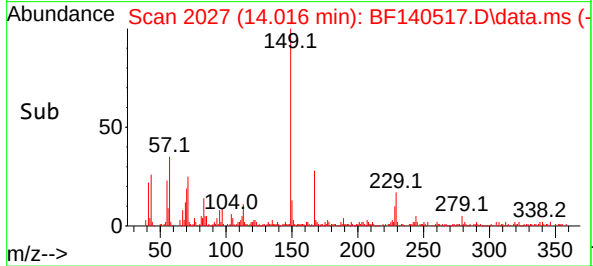
Instrument :
BNA_F
ClientSampleId :
SOIL-4



Tgt Ion:149 Resp: 19954
Ion Ratio Lower Upper
149 100
167 29.9 21.4 32.0
279 6.2 3.0 4.6

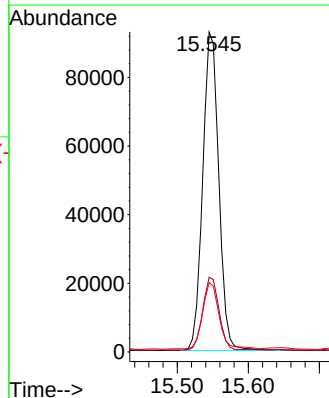
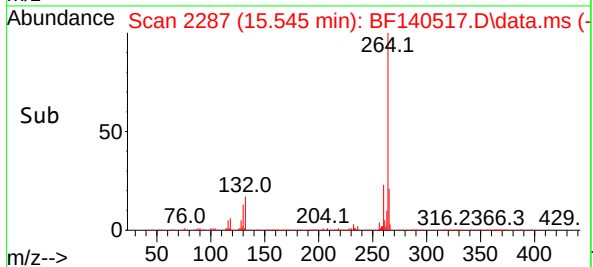
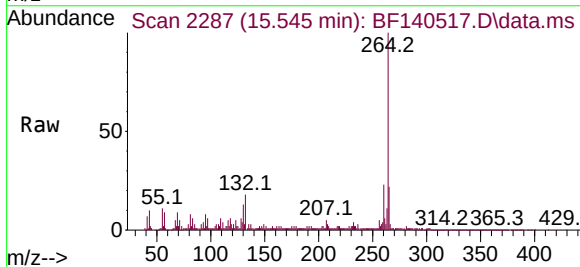
Manual Integrations
APPROVED

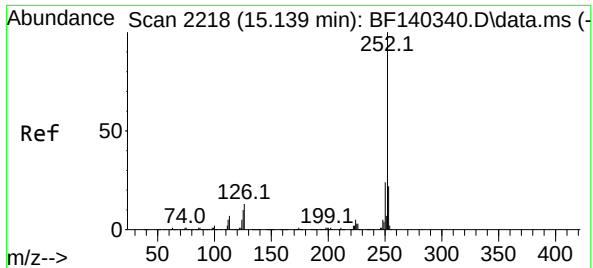
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140517.D
Acq: 20 Nov 2024 23:06

Tgt Ion:264 Resp: 146314
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.7 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.527 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

Tgt Ion:252 Resp: 3376

Ion Ratio Lower Upper

252 100

253 28.7 17.5 26.3

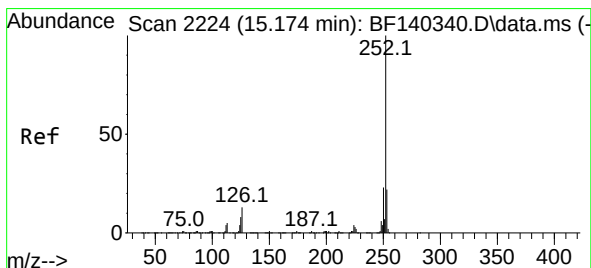
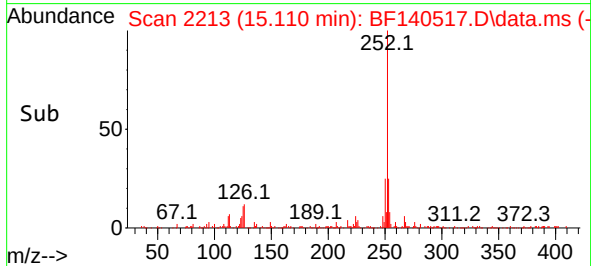
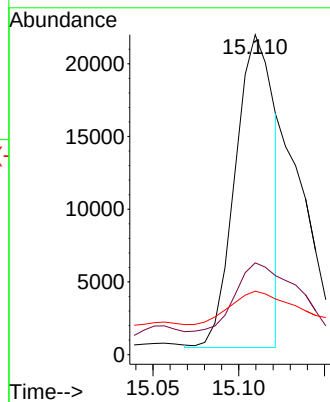
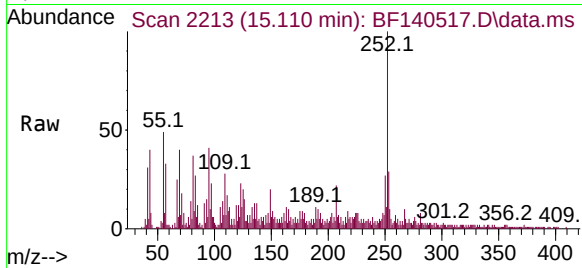
125 19.8 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#89

Benzo(k)fluoranthene

Concen: 2.314 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

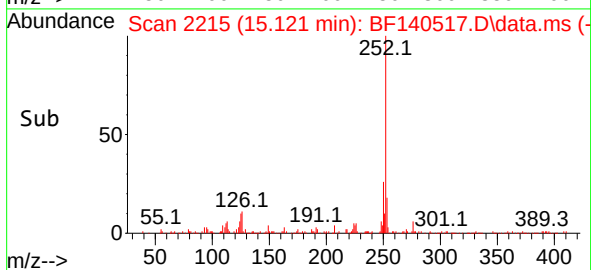
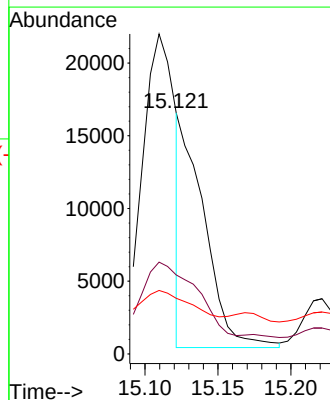
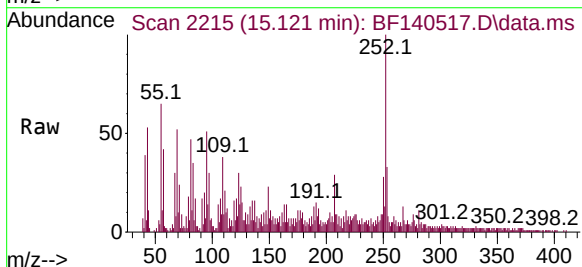
Tgt Ion:252 Resp: 18092

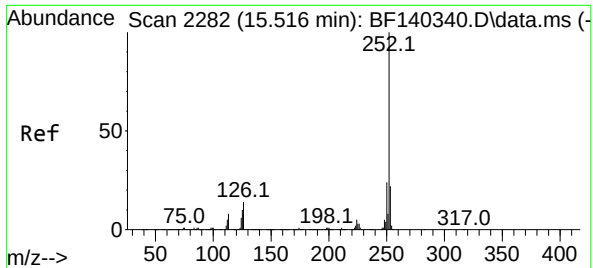
Ion Ratio Lower Upper

252 100

253 32.8 17.3 25.9#

125 23.1 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 3.108 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140517.D

Acq: 20 Nov 2024 23:06

Instrument :

BNA_F

ClientSampleId :

SOIL-4

Tgt Ion:252 Resp: 23104

Ion Ratio Lower Upper

252 100

253 27.6 17.8 26.6

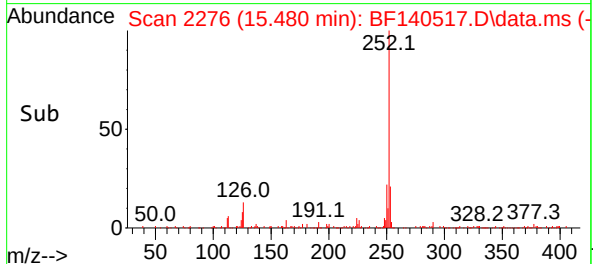
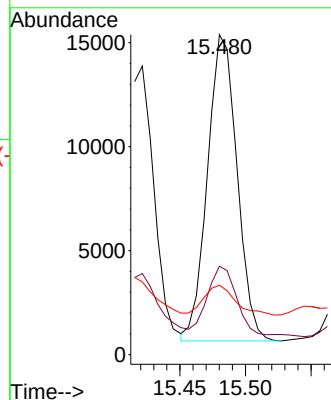
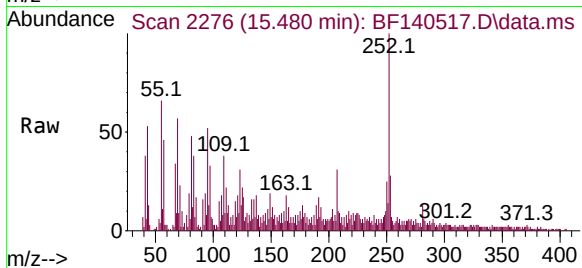
125 21.7 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140517.D
 Acq On : 20 Nov 2024 23:06
 Operator : RC/JU
 Sample : P4822-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

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-BF111324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.134	3	7	21	rVB	683767	1041844	53.61%	6.241%
2	2.246	21	26	38	rVB4	8629	23914	1.23%	0.143%
3	5.093	501	510	517	rBV	30486	49528	2.55%	0.297%
4	5.504	574	580	598	rBV	1273710	1678246	86.35%	10.053%
5	6.510	745	751	769	rBV	1219083	1634012	84.07%	9.788%
6	6.875	808	813	818	rBV	454563	558863	28.76%	3.348%
7	7.434	902	908	918	rBV	800826	1034618	53.23%	6.198%
8	7.687	945	951	961	rBV	17596	27300	1.40%	0.164%
9	8.151	1025	1030	1042	rBV	476899	629190	32.37%	3.769%
10	9.228	1207	1213	1223	rBV	1386058	1830032	94.16%	10.962%
11	9.339	1228	1232	1236	rVB4	14551	20148	1.04%	0.121%
12	9.557	1264	1269	1274	rBV3	21808	30236	1.56%	0.181%
13	9.757	1294	1303	1310	rBV2	28973	51734	2.66%	0.310%
14	9.822	1310	1314	1320	rVB2	26367	38919	2.00%	0.233%
15	9.910	1323	1329	1333	rBV	485284	647321	33.31%	3.878%
16	10.298	1391	1395	1399	rBV3	19386	25493	1.31%	0.153%
17	10.622	1445	1450	1456	rBV	275310	355040	18.27%	2.127%
18	10.698	1458	1463	1472	rVV	768897	1009587	51.95%	6.048%
19	10.810	1480	1482	1492	rVB9	10232	20374	1.05%	0.122%
20	10.927	1498	1502	1507	rBV	39279	50524	2.60%	0.303%
21	11.063	1521	1525	1534	rBV7	15090	28351	1.46%	0.170%
22	11.251	1553	1557	1561	rBV2	34585	47937	2.47%	0.287%
23	11.398	1577	1582	1592	rBV2	539179	814501	41.91%	4.879%
24	11.475	1592	1595	1599	rVB	16071	20738	1.07%	0.124%
25	11.627	1615	1621	1627	rBV2	16606	38226	1.97%	0.229%
26	11.922	1664	1671	1683	rVV2	320737	581031	29.90%	3.480%
27	12.016	1684	1687	1694	rVB2	29894	57559	2.96%	0.345%
28	12.092	1696	1700	1705	rBV5	22267	42464	2.18%	0.254%
29	12.616	1781	1789	1800	rBV	202793	446083	22.95%	2.672%
30	12.710	1801	1805	1816	rVV2	88379	174686	8.99%	1.046%
31	12.845	1823	1828	1842	rVB	153375	261619	13.46%	1.567%
32	12.986	1846	1852	1859	rVV	1452316	1943526	100.00%	11.642%
33	13.892	2002	2006	2015	rVB3	86485	183293	9.43%	1.098%
34	14.045	2028	2032	2045	rVB2	430752	668970	34.42%	4.007%
35	15.168	2220	2223	2228	rVB	136327	192517	9.91%	1.153%
36	15.545	2283	2287	2300	rVB	257847	435494	22.41%	2.609%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

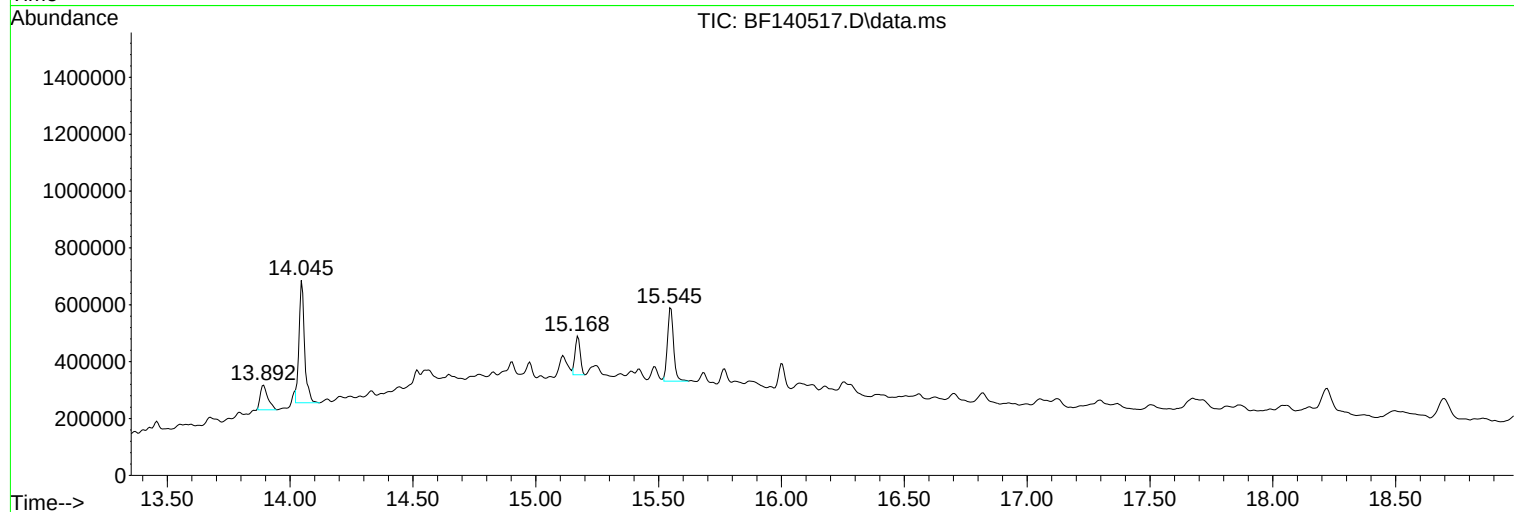
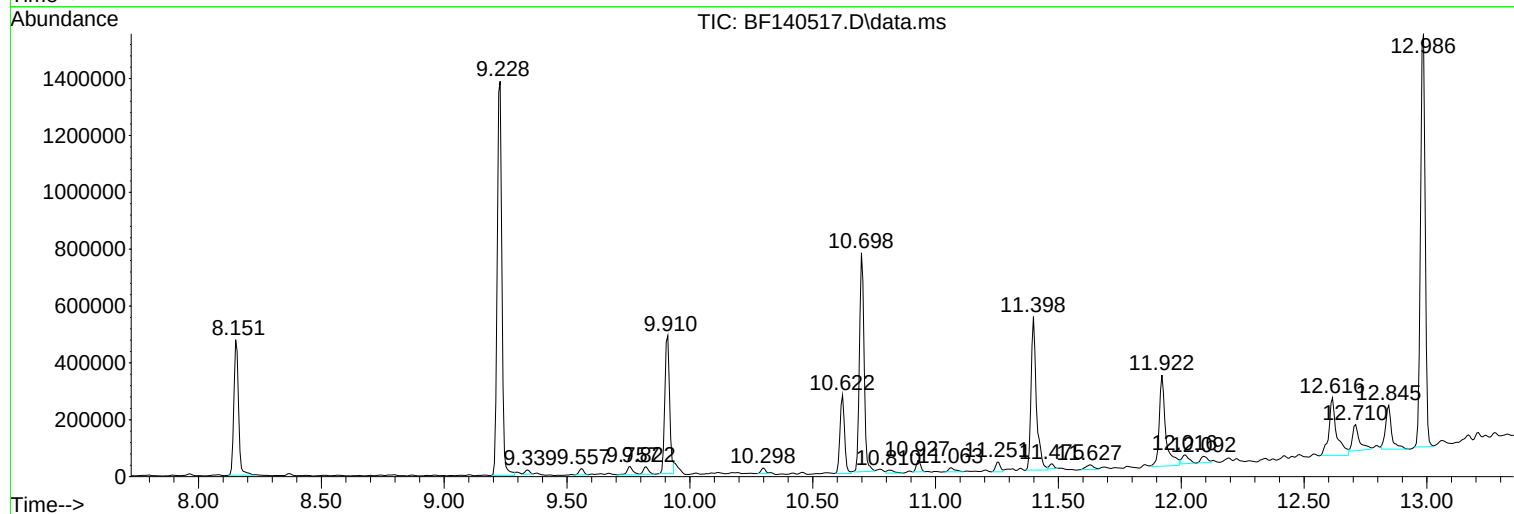
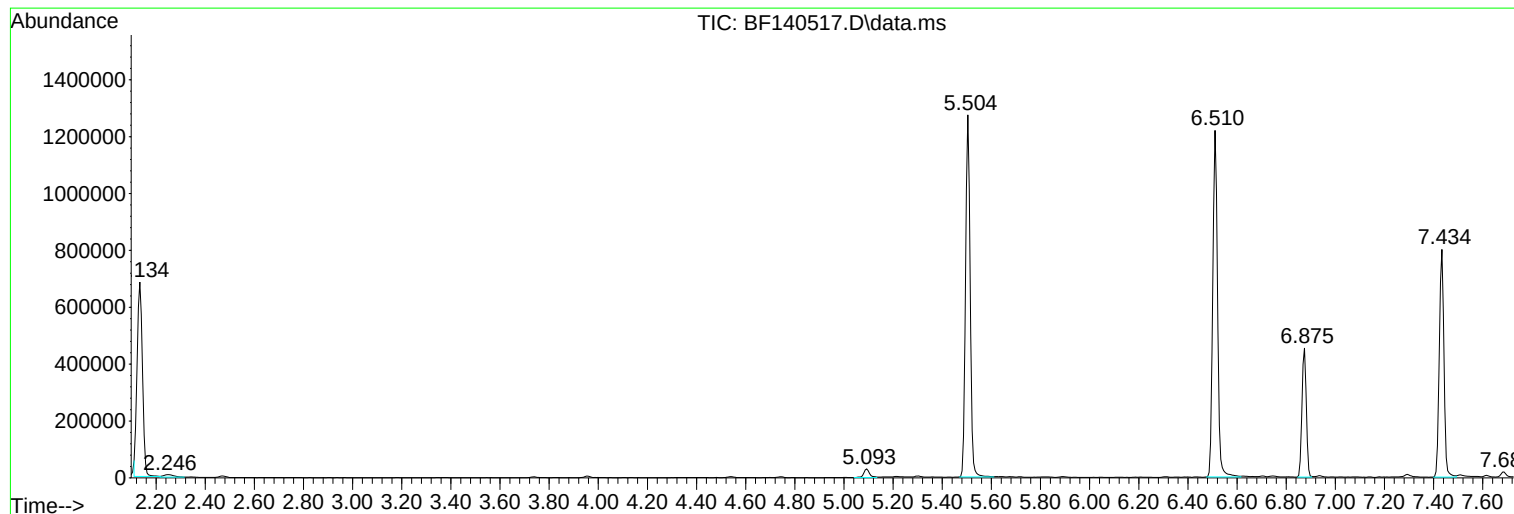
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

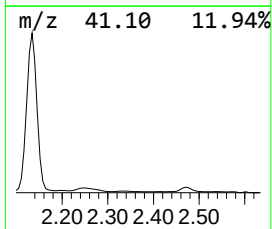
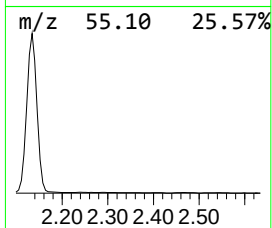
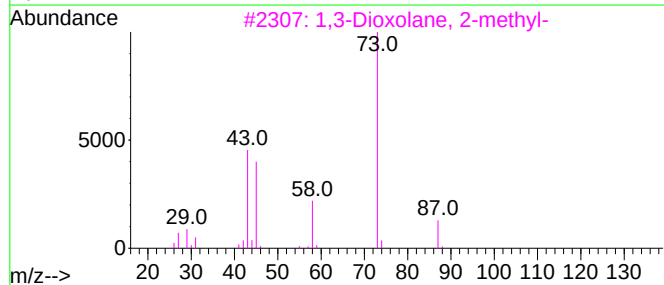
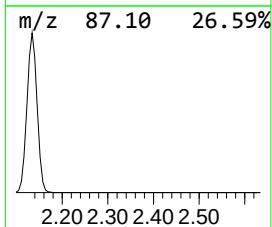
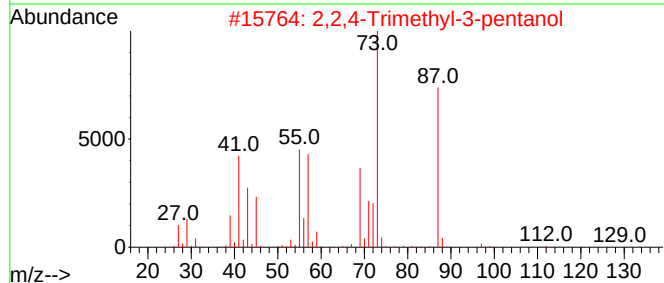
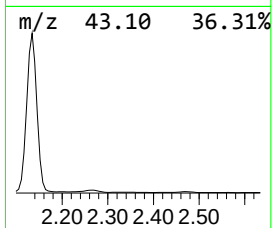
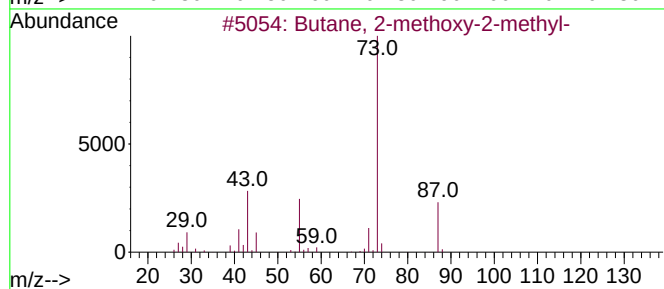
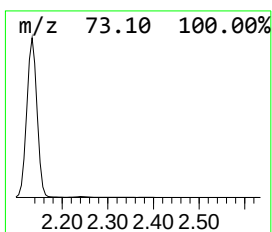
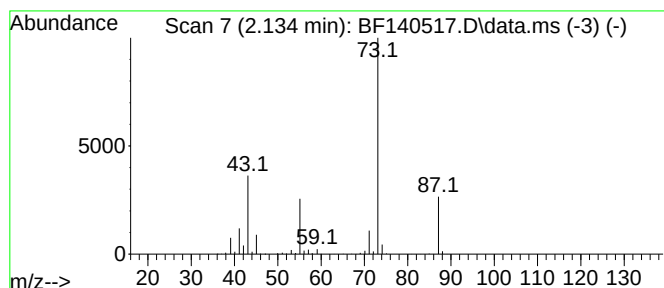
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.134	37.28 ng	1041840	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	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

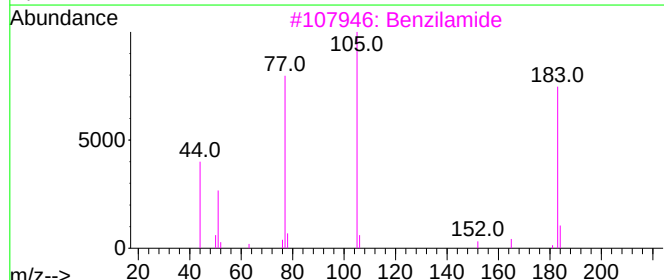
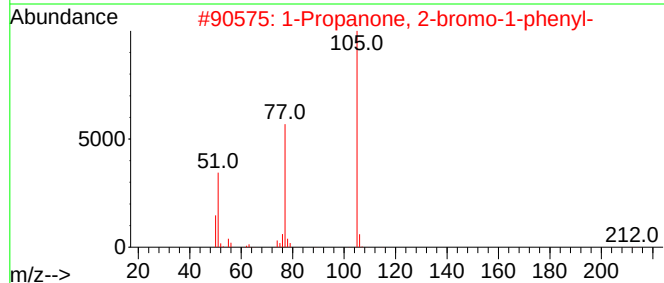
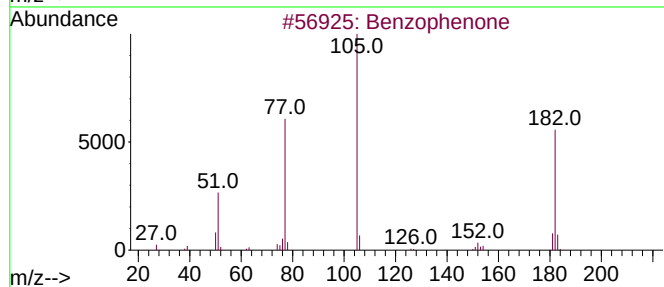
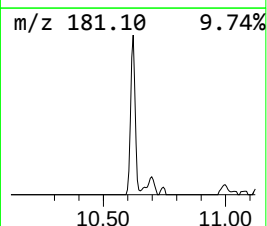
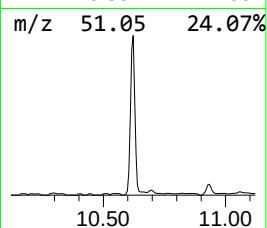
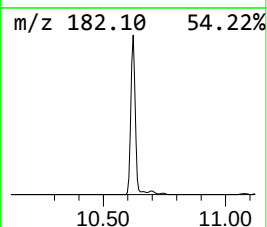
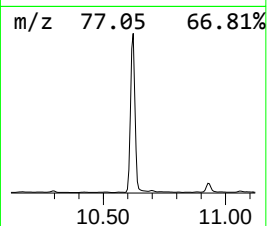
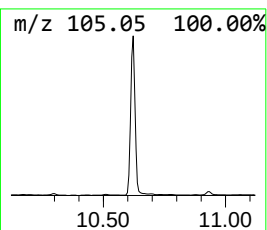
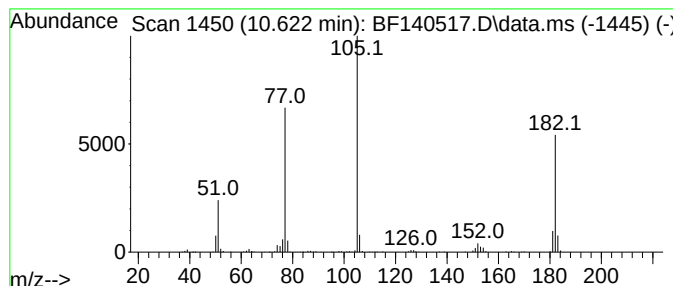
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	10.97 ng	355040	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3			Benzilamide	227	C14H13NO2	004746-87-6	47
4			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

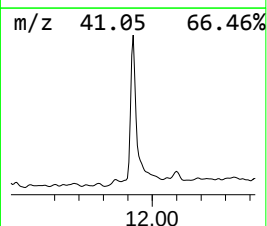
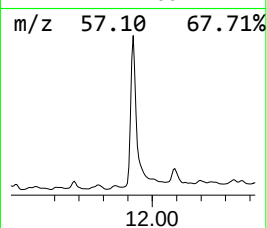
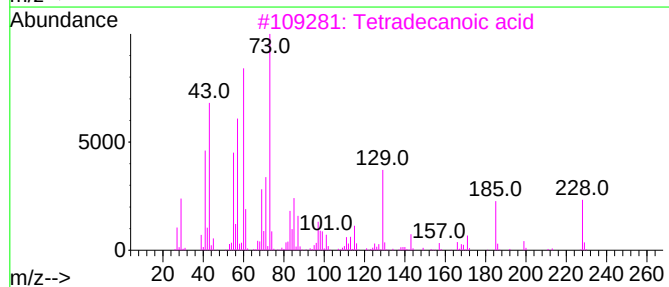
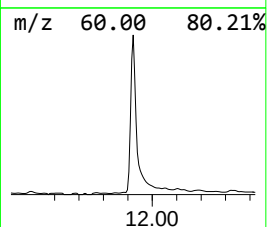
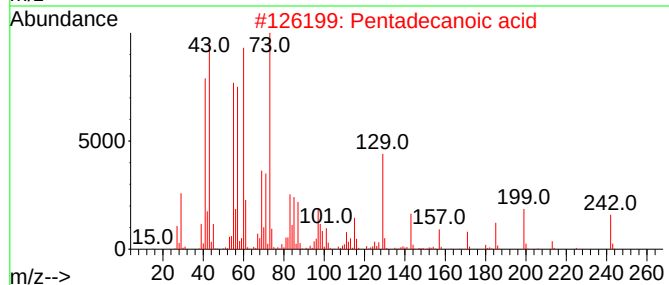
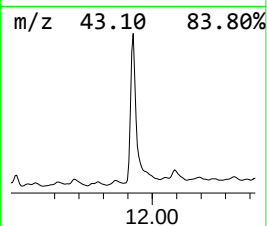
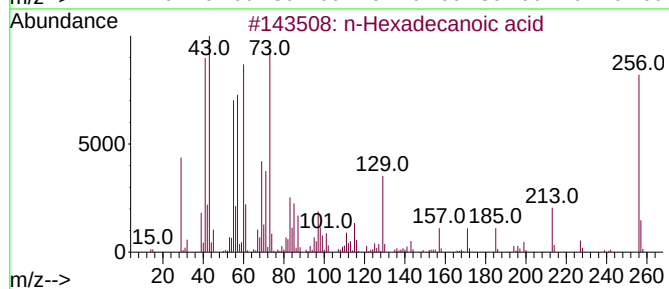
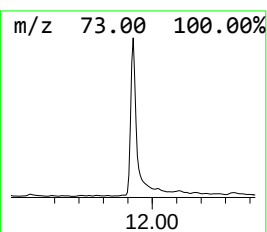
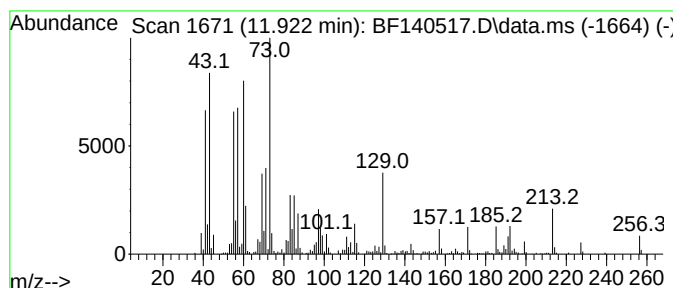
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	14.27 ng	581031	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4			Tridecanoic acid	214	C13H26O2	000638-53-9	76
5			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

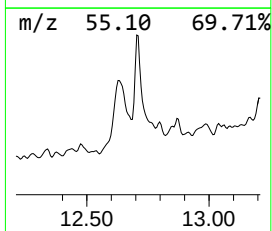
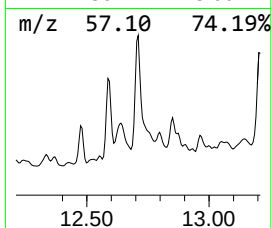
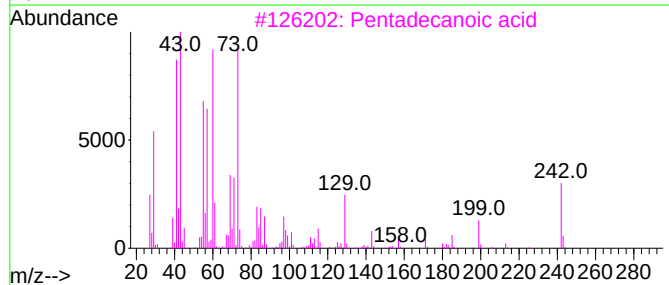
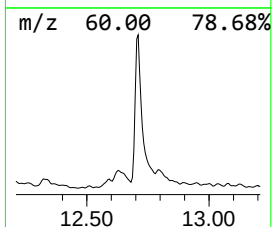
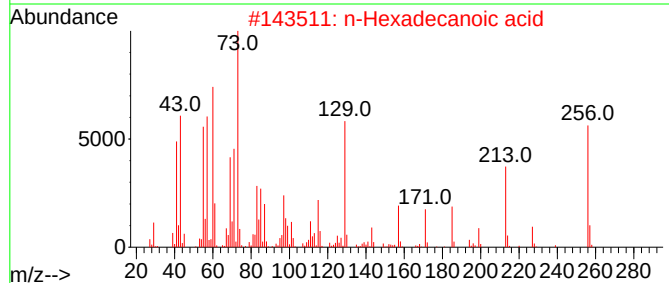
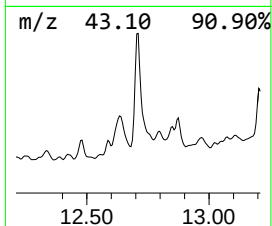
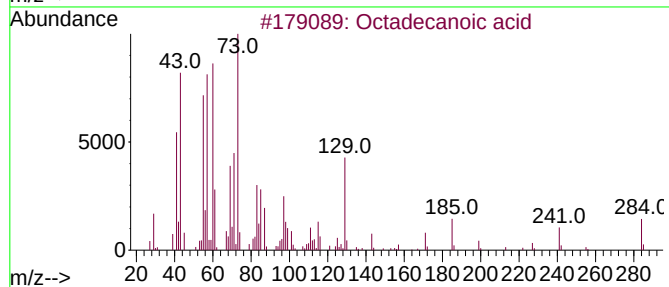
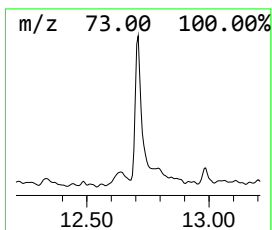
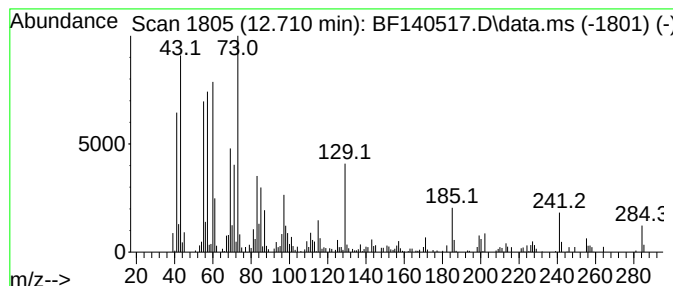
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	4.29 ng	174686	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	81
5			Tridecanoic acid	214	C13H26O2	000638-53-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

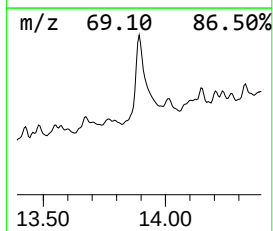
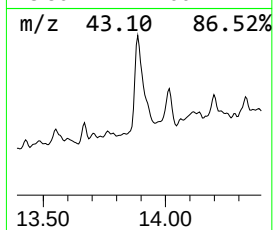
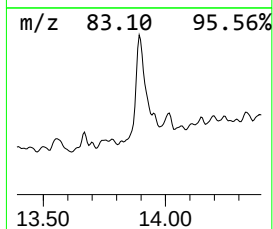
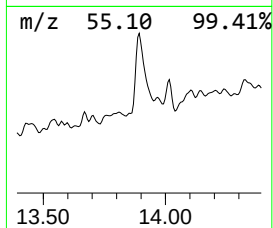
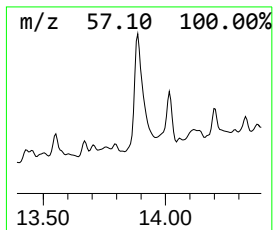
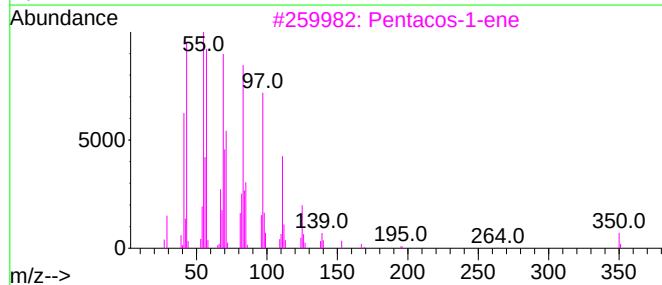
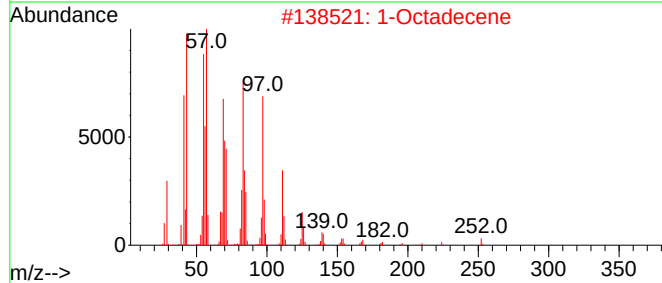
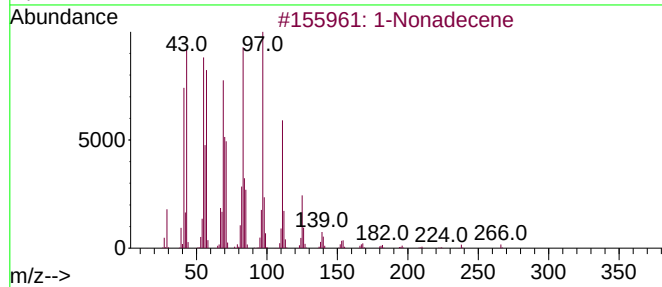
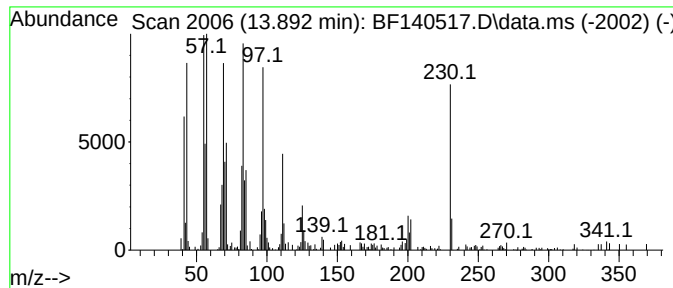
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	5.48 ng	183293	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nonadecene	266	C19H38	018435-45-5	98
2			1-Octadecene	252	C18H36	000112-88-9	96
3			Pentacos-1-ene	350	C25H50	016980-85-1	95
4			n-Nonadecanol-1	284	C19H40O	001454-84-8	93
5			1-Heneicosyl formate	340	C22H44O2	077899-03-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140517.D
Acq On : 20 Nov 2024 23:06
Operator : RC/JU
Sample : P4822-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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
Butane, 2-metho...	2.134	37.3	ng	1041840	1	6.875	558863	20.0
Benzophenone	10.622	11.0	ng	355040	3	9.910	647321	20.0
n-Hexadecanoic ...	11.922	14.3	ng	581031	4	11.398	814501	20.0
Octadecanoic acid	12.710	4.3	ng	174686	4	11.398	814501	20.0
1-Nonadecene	13.892	5.5	ng	183293	5	14.045	668970	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140514.D	1	11/13/24 09:15	11/20/24 21:47	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.3	U	90.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.2	U	91.2	190	ug/Kg
95-57-8	2-Chlorophenol	91.0	U	91.0	190	ug/Kg
95-48-7	2-Methylphenol	87.8	U	87.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.0	U	99.0	190	ug/Kg
98-86-2	Acetophenone	94.7	U	94.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.0	U	87.0	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.2	ug/Kg
67-72-1	Hexachloroethane	90.4	U	90.4	190	ug/Kg
98-95-3	Nitrobenzene	98.9	U	98.9	190	ug/Kg
78-59-1	Isophorone	92.2	U	92.2	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	93.5	U	93.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	190	ug/Kg
91-20-3	Naphthalene	90.0	U	90.0	190	ug/Kg
106-47-8	4-Chloroaniline	90.0	UQ	90.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.8	U	90.8	190	ug/Kg
105-60-2	Caprolactam	94.6	U	94.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.4	U	84.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.9	U	89.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.8	U	77.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.6	U	80.6	190	ug/Kg
92-52-4	1,1-Biphenyl	95.2	U	95.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.8	U	90.8	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.0	U	89.0	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.5
Sample Wt/Vol:	30.09 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
BF140514.D	1	11/13/24 09:15	11/20/24 21:47	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.3	U	94.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.7	U	90.7	190	ug/Kg
99-09-2	3-Nitroaniline	97.2	UQ	97.2	190	ug/Kg
83-32-9	Acenaphthene	88.4	U	88.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.0	U	92.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	190	ug/Kg
84-66-2	Diethylphthalate	87.3	U	87.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	93.2	U	93.2	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	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.0	U	86.0	190	ug/Kg
118-74-1	Hexachlorobenzene	92.6	U	92.6	190	ug/Kg
1912-24-9	Atrazine	99.6	U	99.6	190	ug/Kg
87-86-5	Pentachlorophenol	84.2	U	84.2	360	ug/Kg
85-01-8	Phenanthrene	91.5	U	91.5	190	ug/Kg
120-12-7	Anthracene	92.0	U	92.0	190	ug/Kg
86-74-8	Carbazole	87.5	U	87.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.9	U	91.9	190	ug/Kg
206-44-0	Fluoranthene	190		89.0	190	ug/Kg
129-00-0	Pyrene	130	J	90.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	87.9	190	ug/Kg
218-01-9	Chrysene	110	J	86.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.2	U	99.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	88.4	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.5
Sample Wt/Vol:	30.09 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
BF140514.D	1	11/13/24 09:15	11/20/24 21:47	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	90.0	U	90.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.1	U	85.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.5	U	88.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.3	U	87.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.4	U	81.4	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.1		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	70.2		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.1		30 (18) - 130 (107)	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.2		30 (20) - 130 (109)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.2		30 (10) - 130 (116)	50%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		30 (10) - 130 (105)	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000	6.875
1146-65-2	Naphthalene-d8	359000	8.151
15067-26-2	Acenaphthene-d10	160000	9.91
1517-22-2	Phenanthrene-d10	278000	11.398
1719-03-5	Chrysene-d12	237000	14.045
1520-96-3	Perylene-d12	186000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J	2.15	ug/Kg
000119-61-9	Benzophenone	440	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	79.2	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	740	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	280	J	12.7	ug/Kg
028413-57-2	1-(Phenylthio)-3,7,11-trimethyl-2,	320	J	14.9	ug/Kg
000112-95-8	Eicosane	140	J	15.2	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.5
Sample Wt/Vol:	30.09 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
BF140514.D	1	11/13/24 09:15	11/20/24 21:47	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000629-94-7	Heneicosane	150	J		16.0	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\BF112024\
 Data File : BF140514.D
 Acq On : 20 Nov 2024 21:47
 Operator : RC/JU
 Sample : P4822-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:08:57 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 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	107776	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	358604	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	160401	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	277554	20.000	ng	0.00
76) Chrysene-d12	14.045	240	237366	20.000	ng	0.00
86) Perylene-d12	15.527	264	185982	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	493240	78.139	ng	0.01
7) Phenol-d6	6.510	99	600728	70.242	ng	0.00
23) Nitrobenzene-d5	7.434	82	379536	55.144	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	120023	75.247	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	660647	66.210	ng	0.00
79) Terphenyl-d14	12.980	244	681030	49.802	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.616	202	76786	5.249	ng	99
78) Pyrene	12.845	202	70519	3.473	ng	99
81) Benzo(a)anthracene	14.033	228	54516	3.495	ng	97
83) Chrysene	14.068	228	44675	3.139	ng	97
88) Benzo(b)fluoranthene	15.092	252	48096m	3.953	ng	
90) Benzo(a)pyrene	15.462	252	26849	2.842	ng	# 89

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

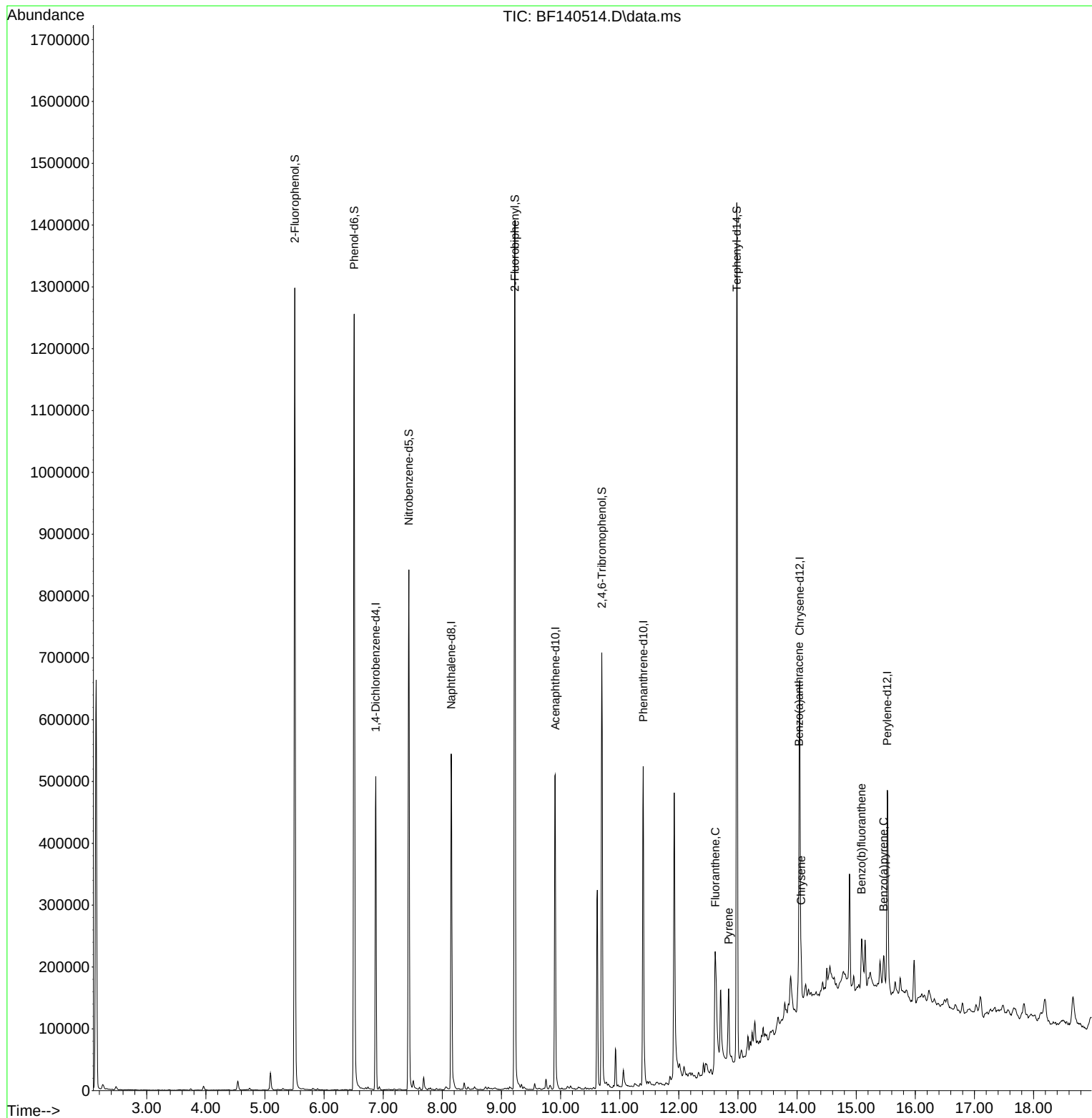
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Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
Operator : RC/JU
Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

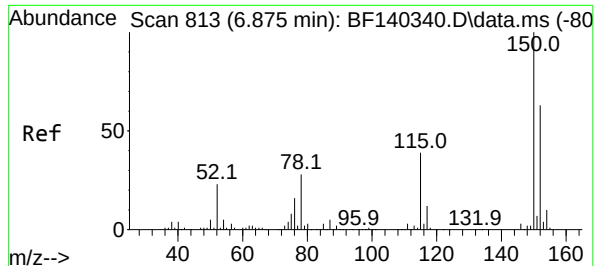
Instrument :
BNA_F
ClientSampleId :
SOIL-5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

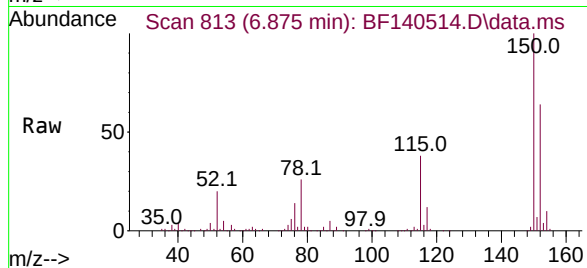
Quant Time: Nov 21 00:08:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

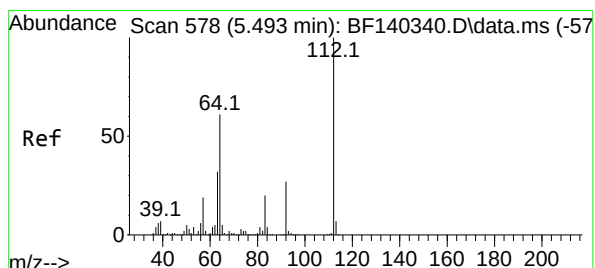
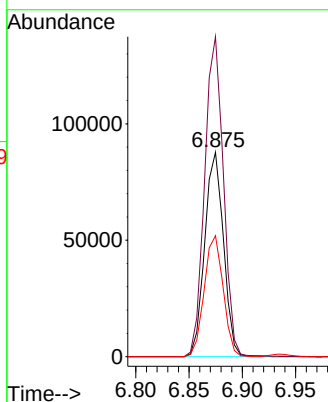
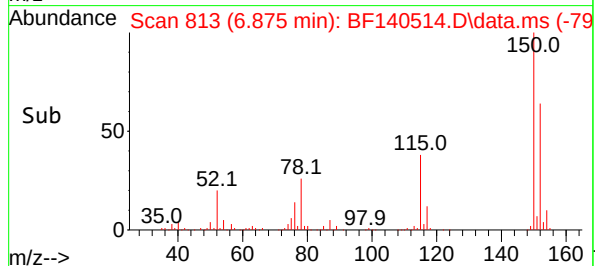
Instrument :
BNA_F
ClientSampleId :
SOIL-5



Tgt Ion:152 Resp: 107770
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 59.2 47.4 71.2

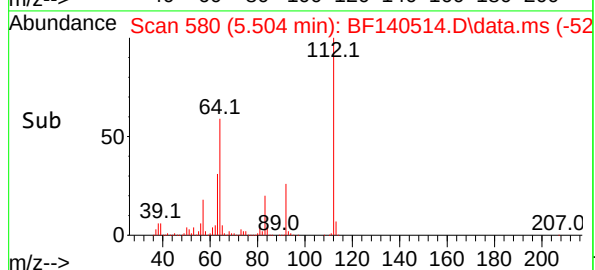
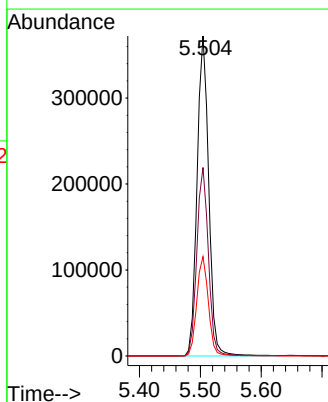
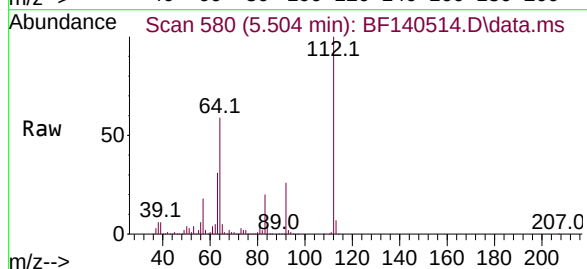
Manual Integrations
APPROVED

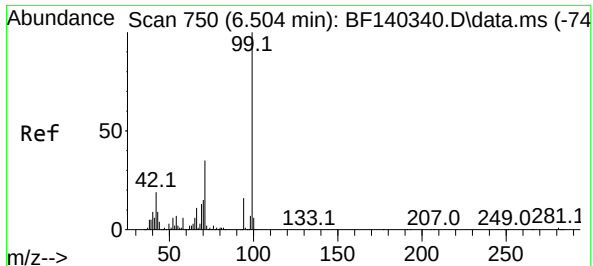
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 78.139 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

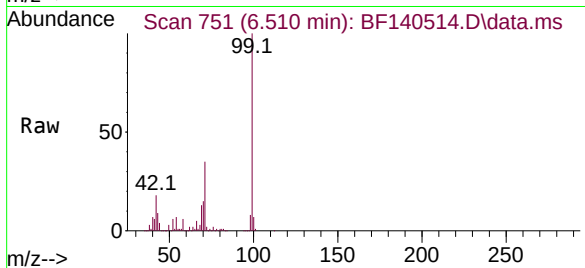
Tgt Ion:112 Resp: 493240
Ion Ratio Lower Upper
112 100
64 58.9 49.2 73.8
63 31.0 25.6 38.4





#7
Phenol-d6
Concen: 70.242 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

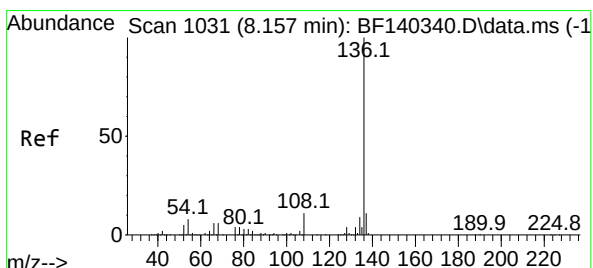
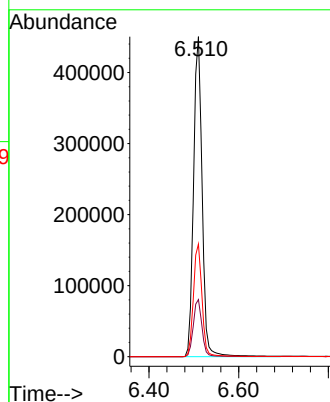
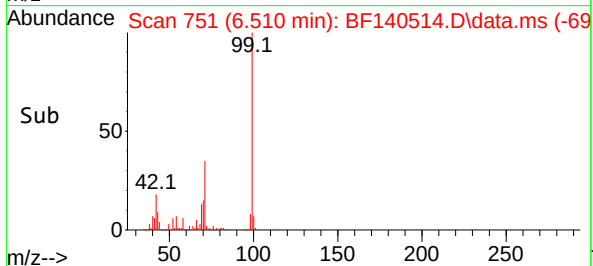
Instrument :
BNA_F
ClientSampleId :
SOIL-5



Tgt Ion: 99 Resp: 600728
Ion Ratio Lower Upper
99 100
42 17.8 15.1 22.7
71 35.2 27.9 41.9

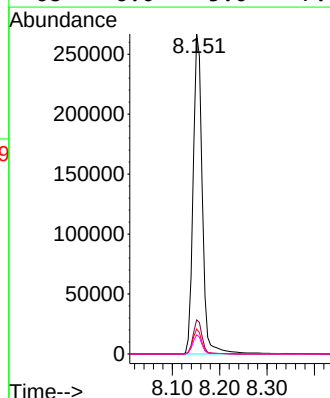
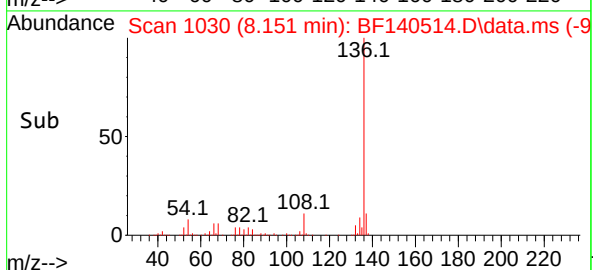
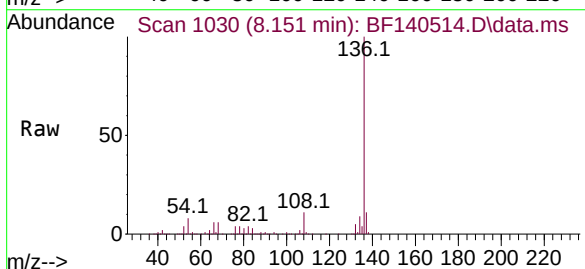
Manual Integrations
APPROVED

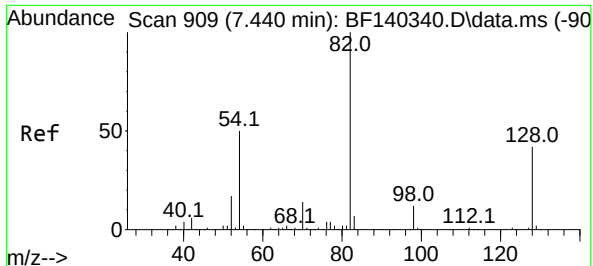
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:136 Resp: 358604
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.8 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 55.144 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140514.D

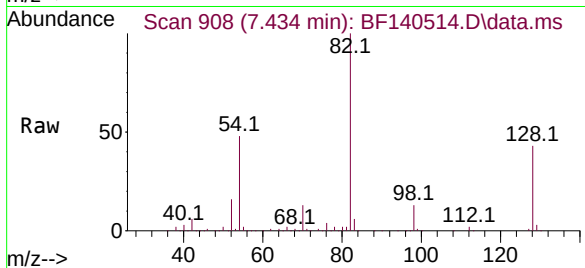
Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5



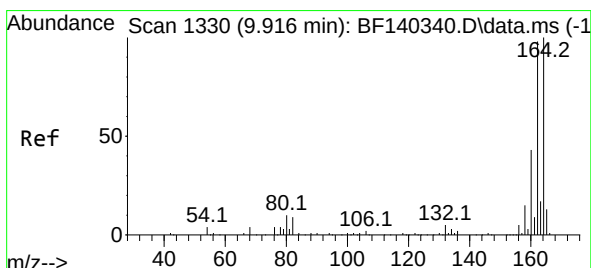
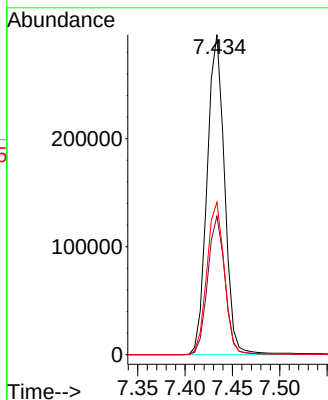
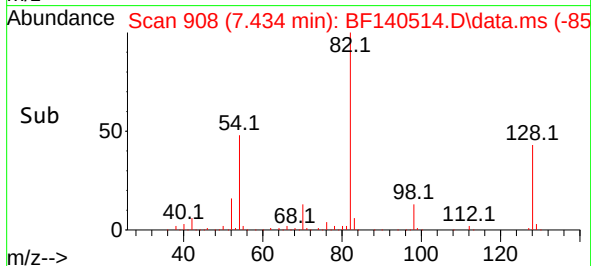
Tgt Ion: 82 Resp: 379530

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.3	49.9
54	47.7	39.8	59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

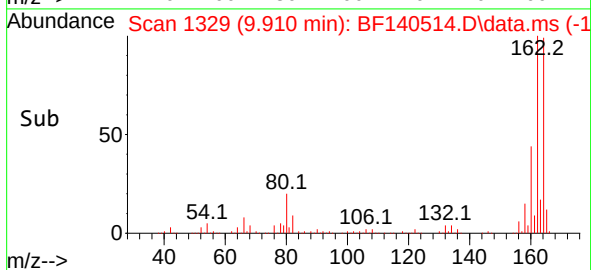
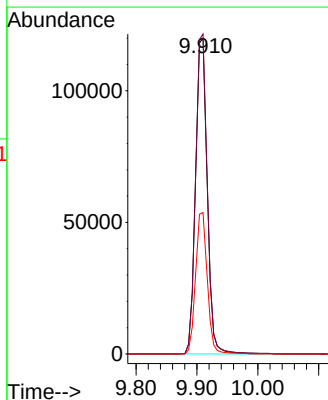
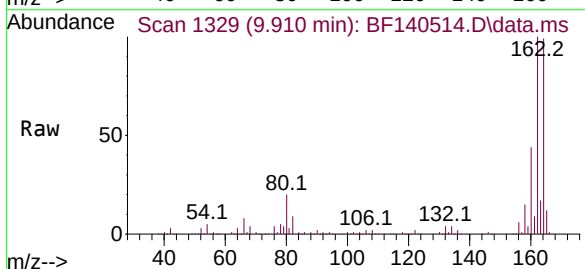
Delta R.T. -0.006 min

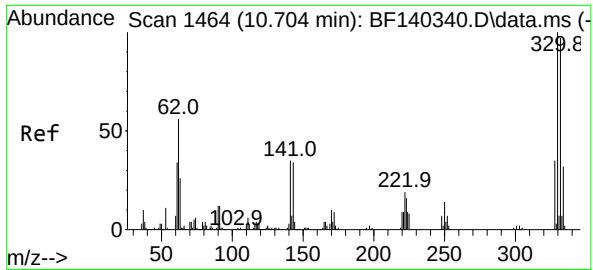
Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:164 Resp: 160401

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.8	119.8
160	44.8	35.4	53.0





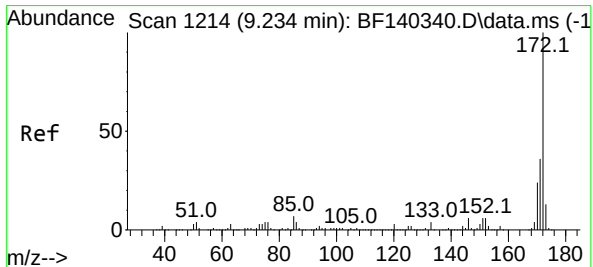
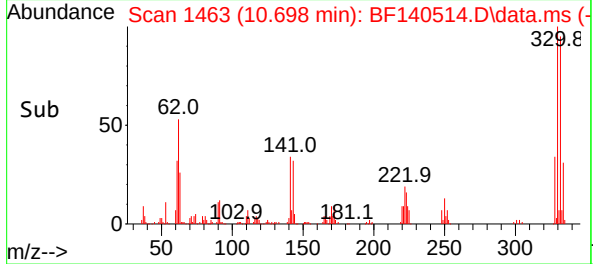
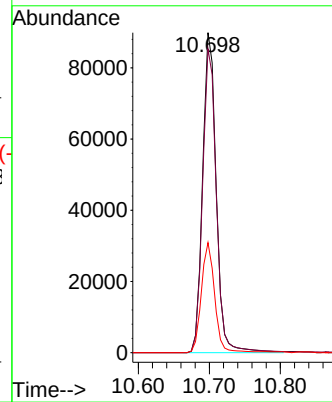
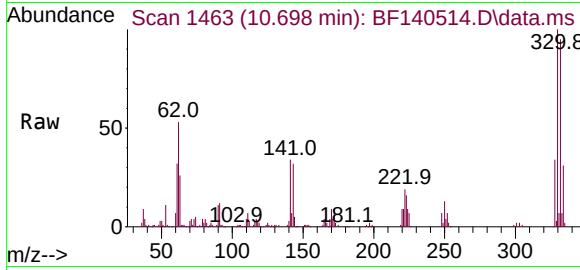
#42
2,4,6-Tribromophenol
Concen: 75.247 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tgt Ion:330 Resp: 12002
Ion Ratio Lower Upper
330 100
332 96.5 75.9 113.9
141 33.7 26.9 40.3

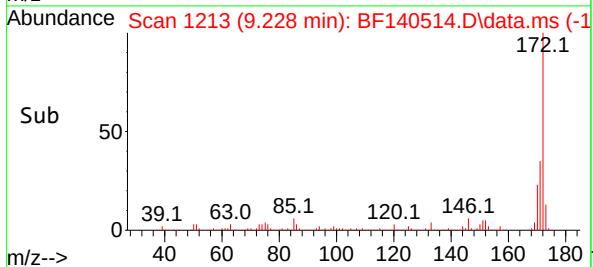
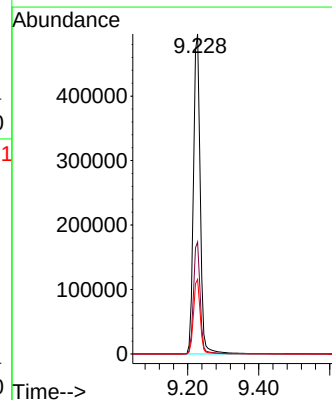
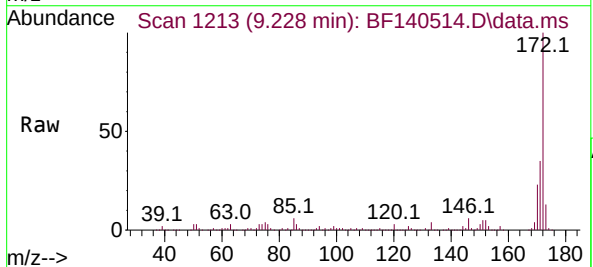
Manual Integrations
APPROVED

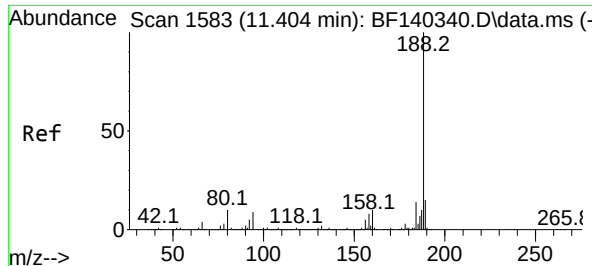
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#45
2-Fluorobiphenyl
Concen: 66.210 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Tgt Ion:172 Resp: 660647
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 23.3 19.1 28.7





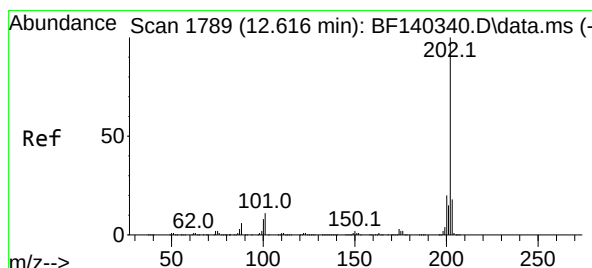
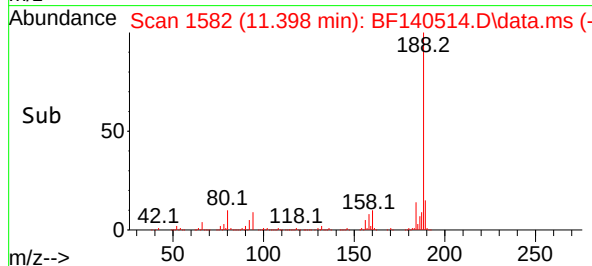
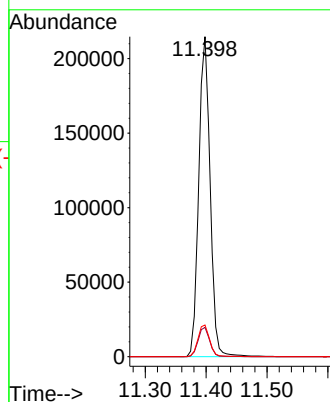
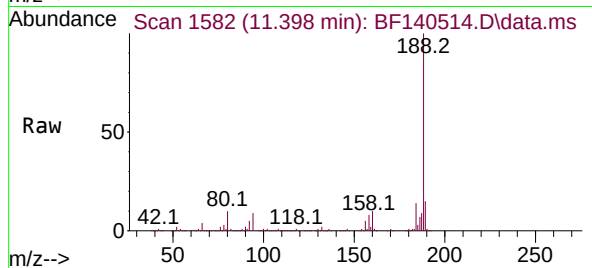
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Tgt Ion:188 Resp: 277554
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 9.9 8.0 12.0

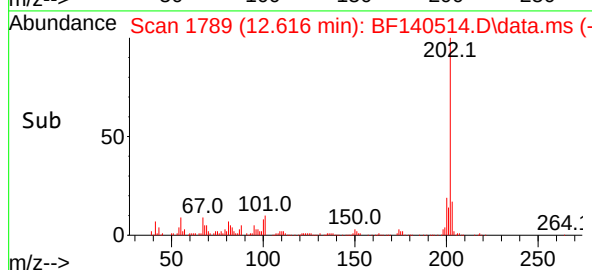
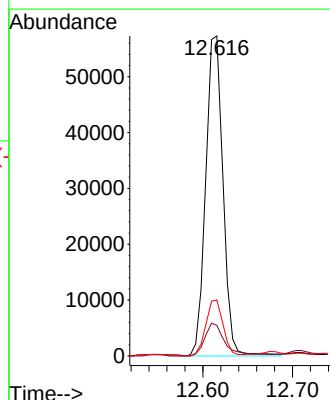
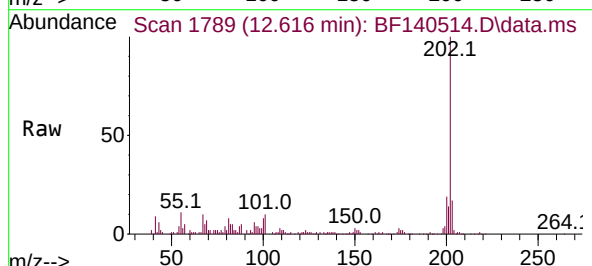
Manual Integrations
APPROVED

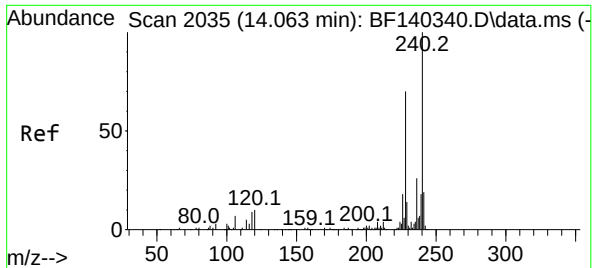
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#75
Fluoranthene
Concen: 5.249 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

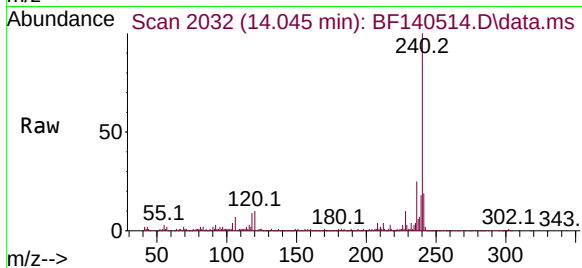
Tgt Ion:202 Resp: 76786
Ion Ratio Lower Upper
202 100
101 9.6 0.0 30.7
203 17.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47

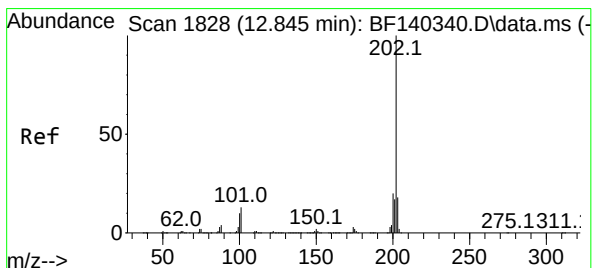
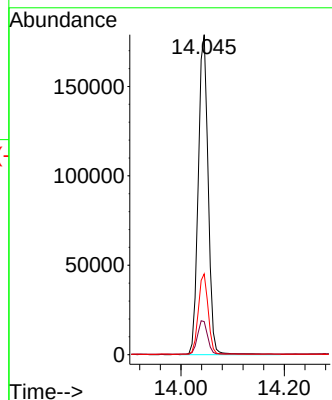
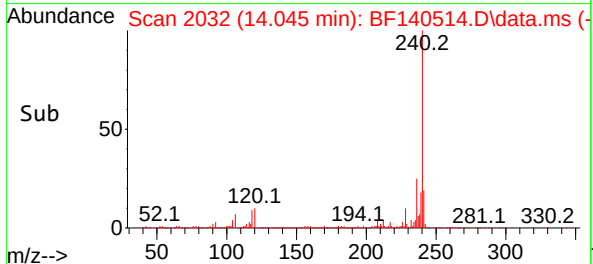
Instrument :
BNA_F
ClientSampleId :
SOIL-5



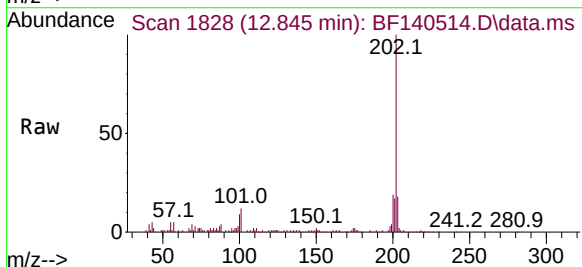
Tgt Ion:240 Resp: 237360
Ion Ratio Lower Upper
240 100
120 10.3 8.8 13.2
236 25.3 20.9 31.3

Manual Integrations
APPROVED

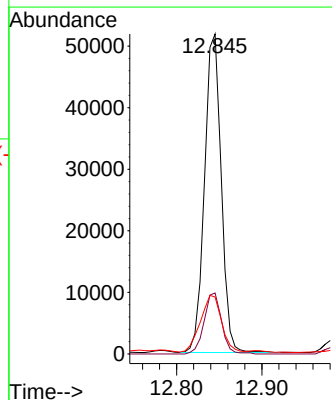
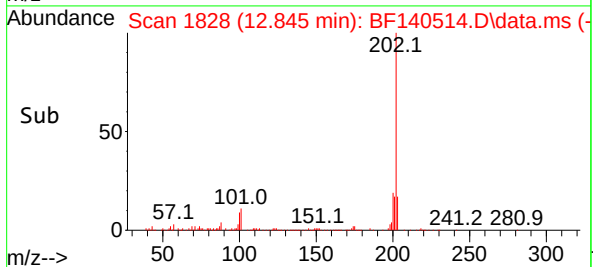
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

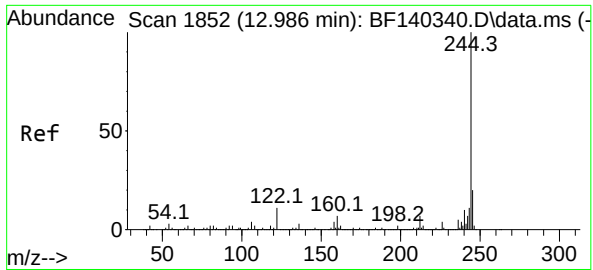


#78
Pyrene
Concen: 3.473 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140514.D
Acq: 20 Nov 2024 21:47



Tgt Ion:202 Resp: 70519
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 49.802 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

Tgt Ion:244 Resp: 681030

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

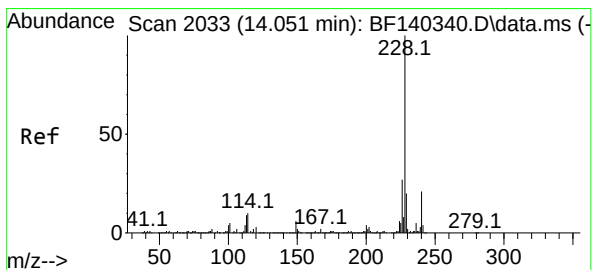
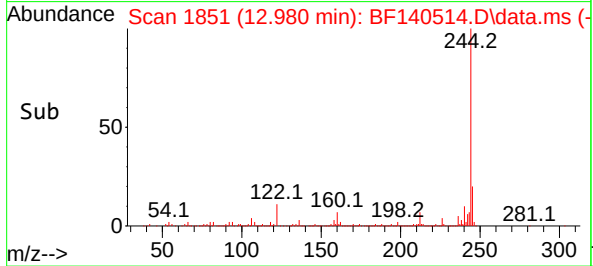
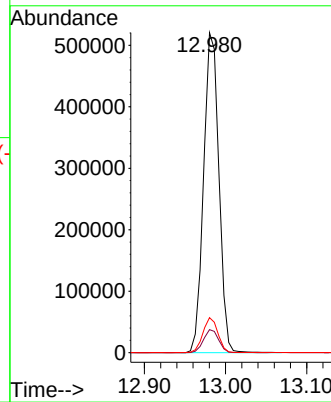
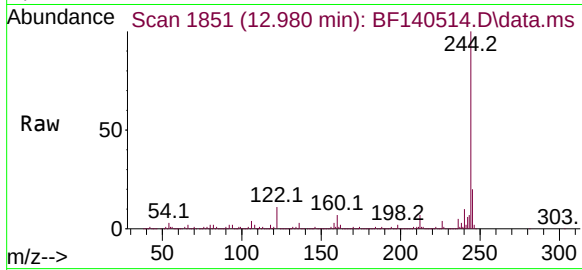
122 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#81

Benzo(a)anthracene

Concen: 3.495 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

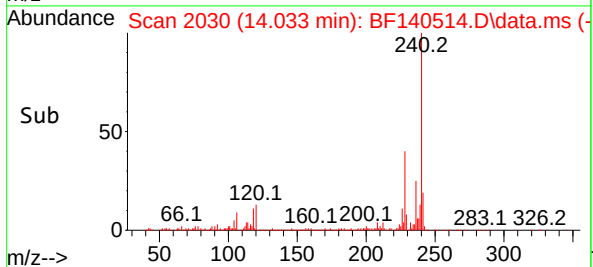
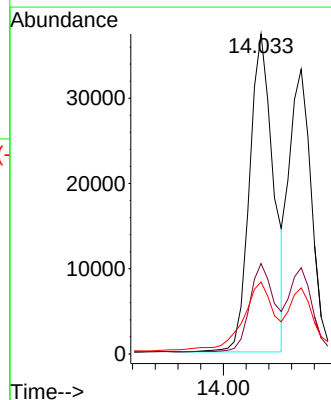
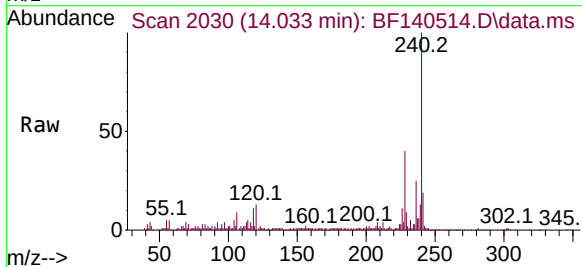
Tgt Ion:228 Resp: 54516

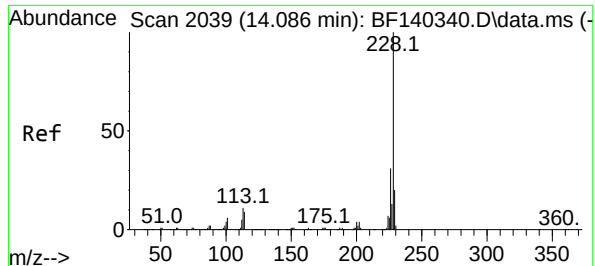
Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.4

229 22.5 15.8 23.6





#83

Chrysene

Concen: 3.139 ng

RT: 14.068 min Scan# 2039

Delta R.T. -0.012 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

Tgt Ion:228 Resp: 44675

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

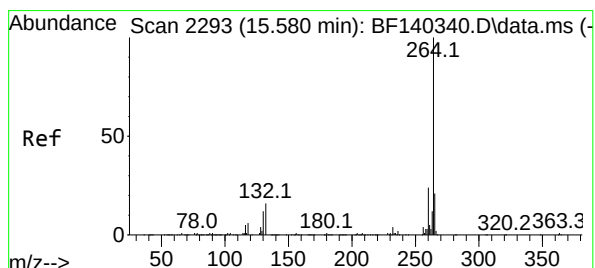
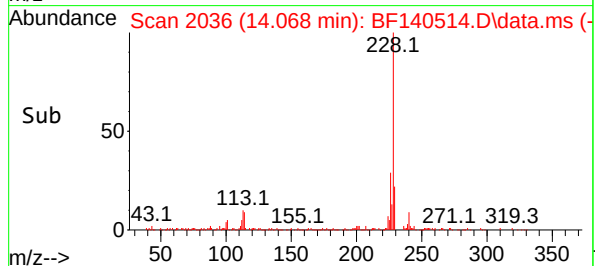
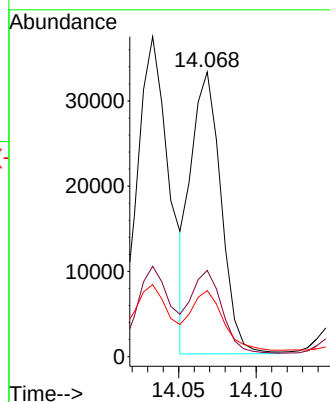
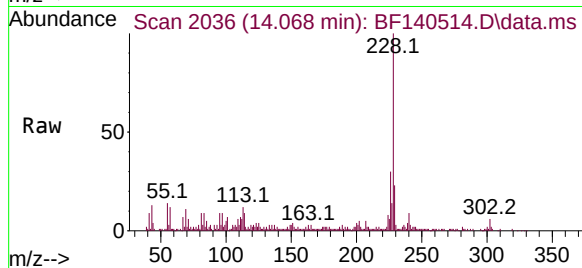
229 23.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.030 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

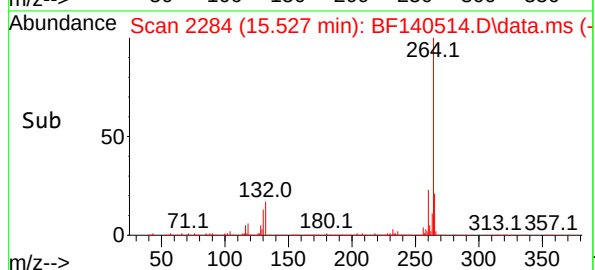
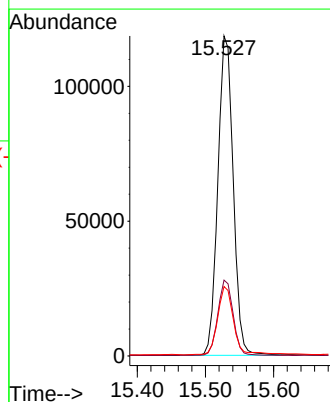
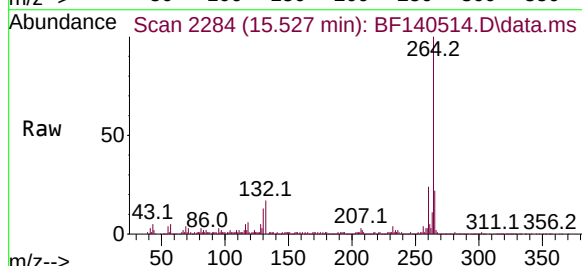
Tgt Ion:264 Resp: 185982

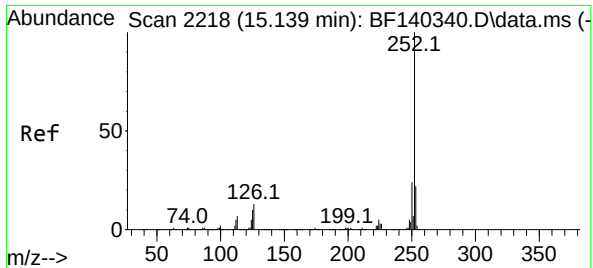
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.7 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.953 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Instrument :

BNA_F

ClientSampleId :

SOIL-5

Tgt Ion:252 Resp: 48090

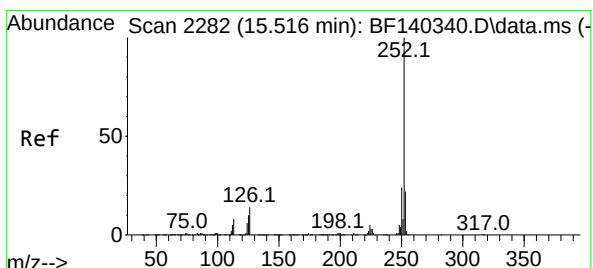
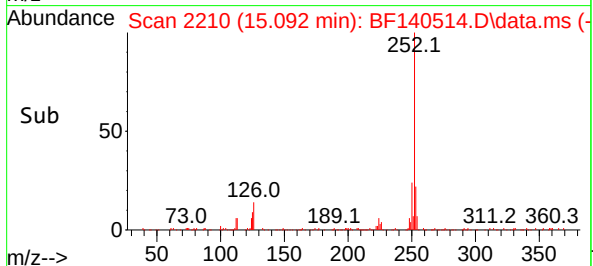
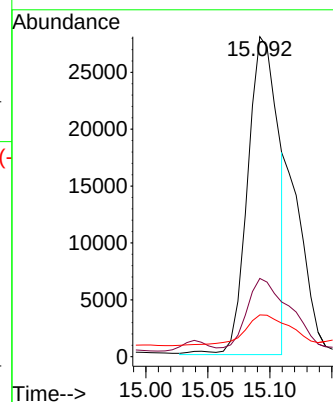
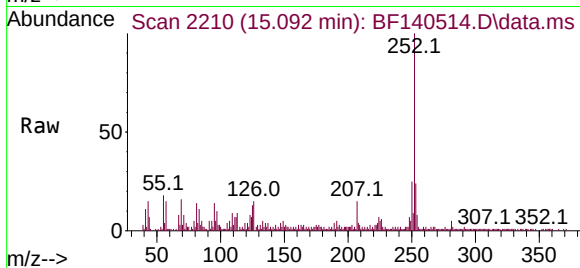
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	13.0	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#90

Benzo(a)pyrene

Concen: 2.842 ng

RT: 15.462 min Scan# 2273

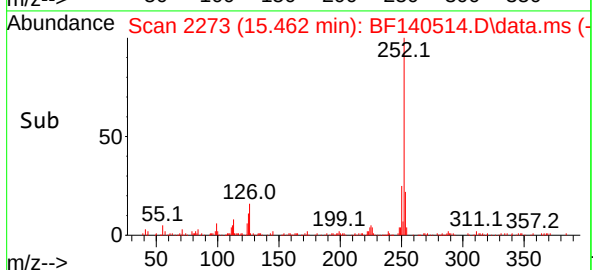
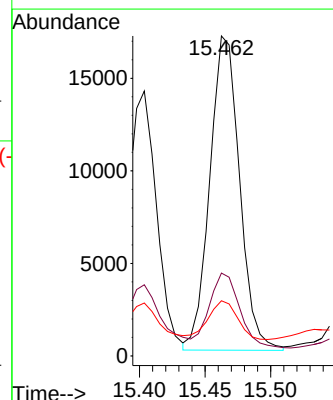
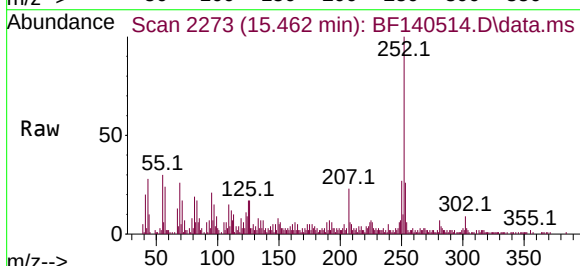
Delta R.T. -0.030 min

Lab File: BF140514.D

Acq: 20 Nov 2024 21:47

Tgt Ion:252 Resp: 26849

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.6
125	17.2	8.4	12.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140514.D
 Acq On : 20 Nov 2024 21:47
 Operator : RC/JU
 Sample : P4822-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-5

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-BF111324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140514.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	21	rVB	661101	1040757	55.60%	5.970%
2	4.540	409	416	426	rVB	14246	24248	1.30%	0.139%
3	5.093	500	510	522	rBV	27750	47198	2.52%	0.271%
4	5.504	574	580	599	rBV	1296534	1711640	91.44%	9.818%
5	6.510	745	751	768	rBV	1255178	1694160	90.50%	9.718%
6	6.875	808	813	818	rBV	506377	624307	33.35%	3.581%
7	7.434	902	908	917	rBV	841209	1079060	57.64%	6.190%
8	7.510	917	921	935	rVB	13783	27328	1.46%	0.157%
9	7.687	946	951	962	rVB	19969	31462	1.68%	0.180%
10	8.151	1025	1030	1047	rVB	542132	721014	38.52%	4.136%
11	9.228	1207	1213	1229	rBV	1405493	1871917	100.00%	10.738%
12	9.751	1298	1302	1309	rVB2	15364	21670	1.16%	0.124%
13	9.910	1323	1329	1342	rVB	508443	696536	37.21%	3.995%
14	10.622	1444	1450	1458	rBV	321115	426381	22.78%	2.446%
15	10.698	1458	1463	1472	rVV	700240	910525	48.64%	5.223%
16	10.927	1498	1502	1507	rBV	60279	77508	4.14%	0.445%
17	11.063	1520	1525	1535	rBV2	26628	51020	2.73%	0.293%
18	11.398	1576	1582	1592	rBV	515770	711886	38.03%	4.084%
19	11.851	1654	1659	1662	rBV4	13328	22511	1.20%	0.129%
20	11.922	1666	1671	1683	rVV	459986	730135	39.00%	4.188%
21	12.086	1695	1699	1705	rBV5	14139	24079	1.29%	0.138%
22	12.416	1751	1755	1758	rBV	18545	24815	1.33%	0.142%
23	12.616	1781	1789	1800	rBV2	198594	546161	29.18%	3.133%
24	12.710	1800	1805	1820	rVV2	121428	276575	14.77%	1.586%
25	12.845	1822	1828	1835	rVV	110820	182471	9.75%	1.047%
26	12.980	1846	1851	1859	rBV	1386226	1813269	96.87%	10.401%
27	13.169	1881	1883	1886	rVB	21362	21902	1.17%	0.126%
28	13.239	1892	1895	1898	rBV	21245	27195	1.45%	0.156%
29	14.045	2026	2032	2042	rVB2	513663	840171	44.88%	4.819%
30	14.886	2171	2175	2180	rVB	181334	245810	13.13%	1.410%
31	15.092	2207	2210	2217	rBV	64399	130745	6.98%	0.750%
32	15.151	2217	2220	2226	rVB	73773	104930	5.61%	0.602%
33	15.527	2279	2284	2295	rVB	330544	561117	29.98%	3.219%
34	15.980	2357	2361	2366	rVB	69423	112558	6.01%	0.646%

Sum of corrected areas: 17433061

Instrument :

BNA_F

ClientSampleId :

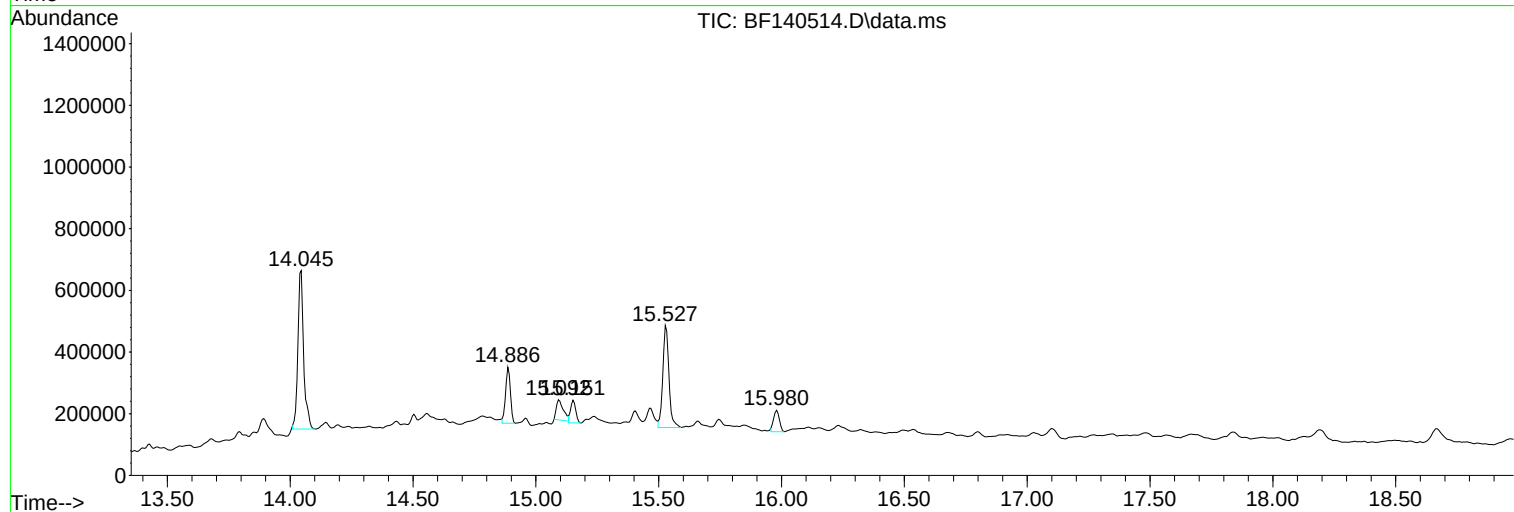
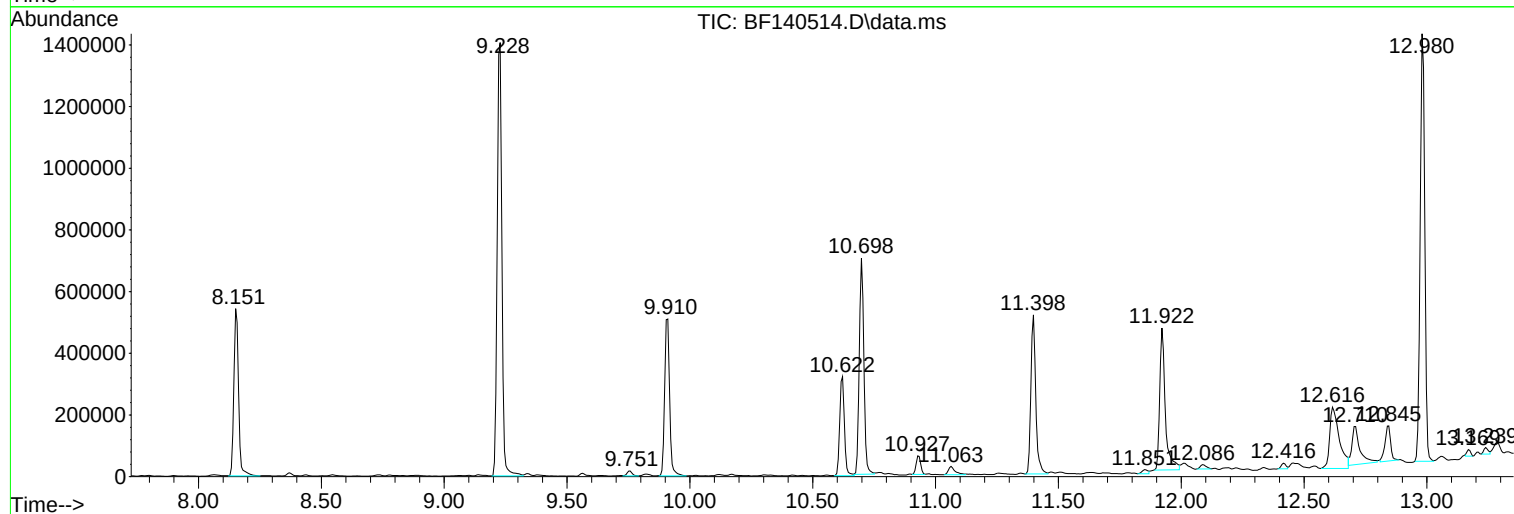
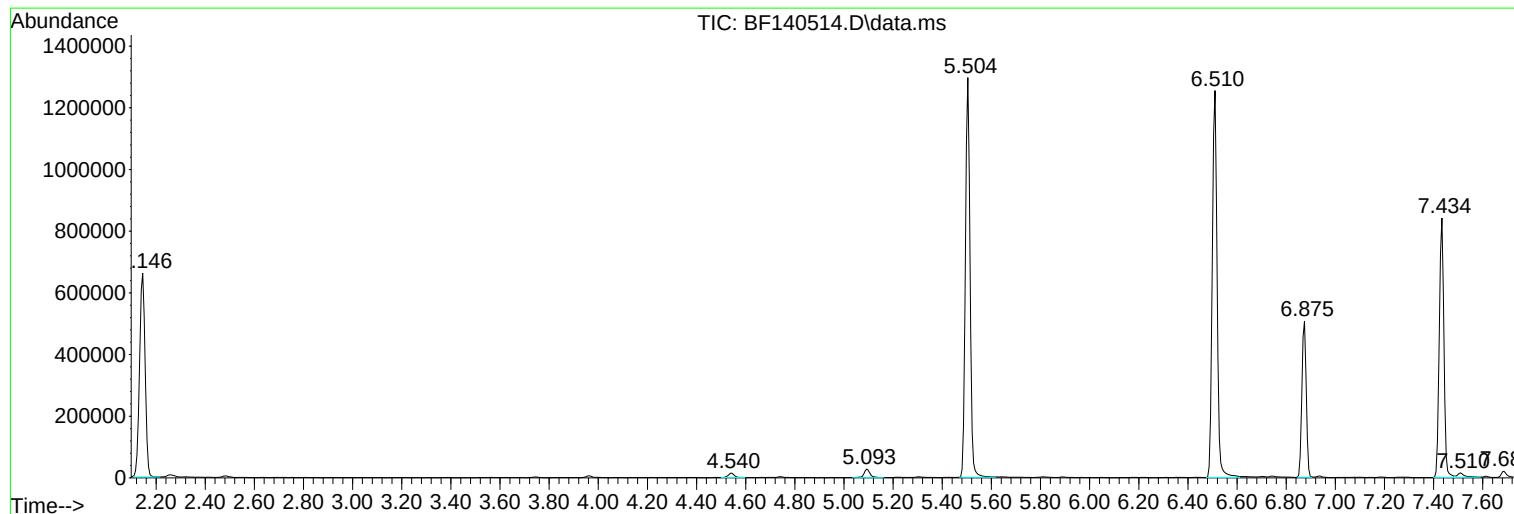
SOIL-5

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Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
Operator : RC/JU
Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF112024\
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ClientSampleId :
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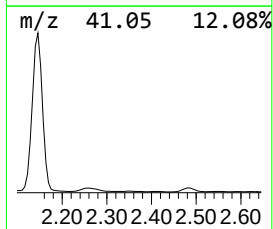
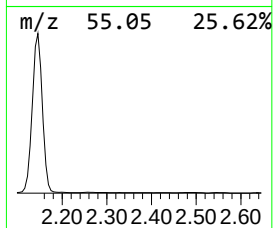
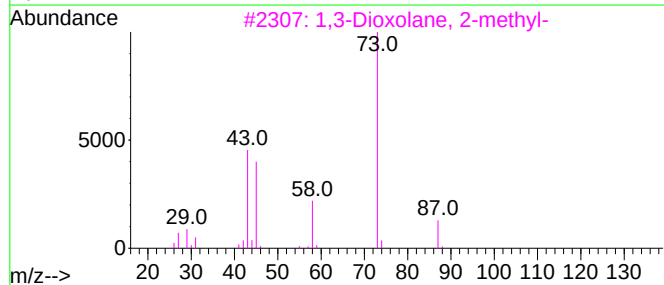
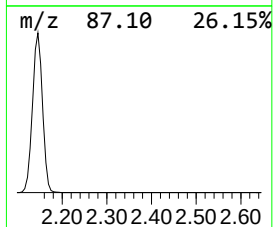
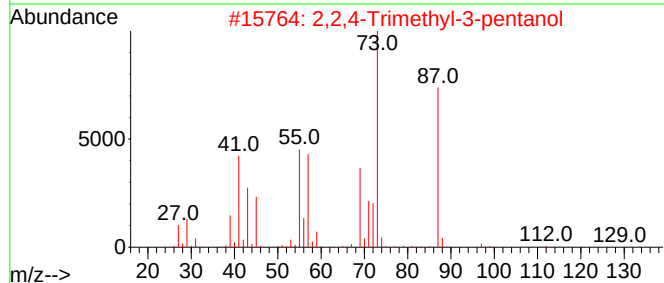
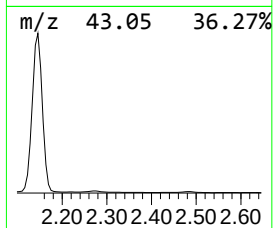
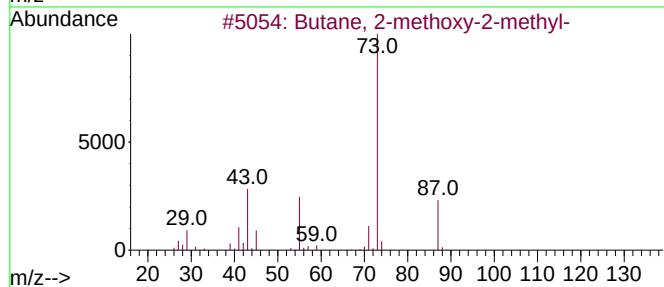
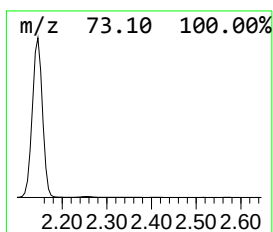
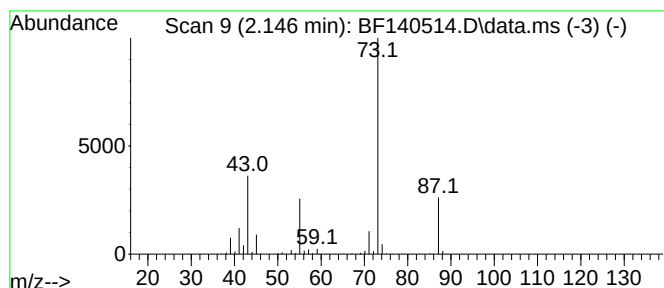
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.146	33.34 ng	1040760	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	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
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Sample : P4822-10
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Instrument :
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ClientSampleId :
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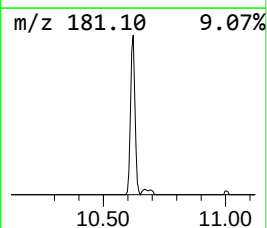
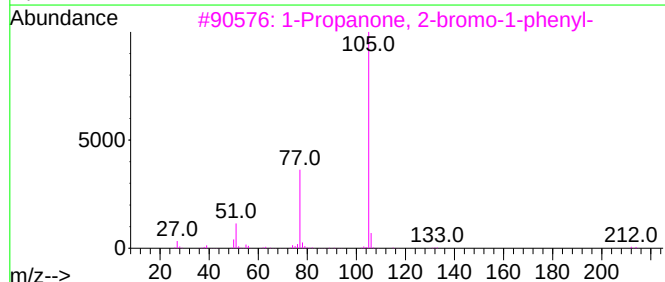
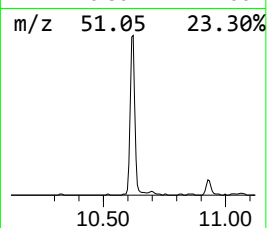
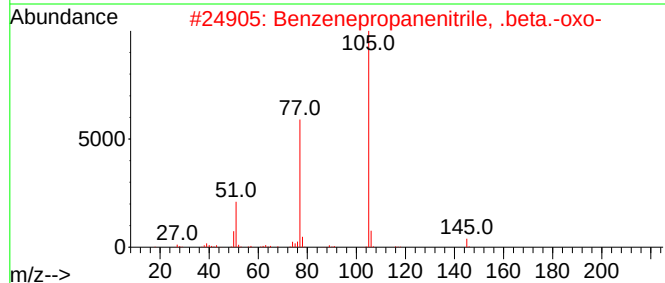
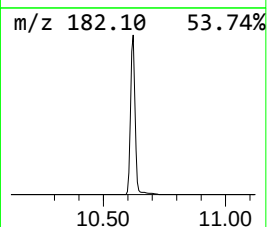
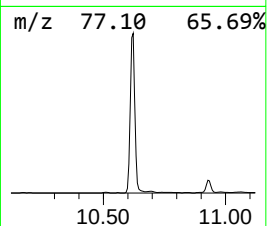
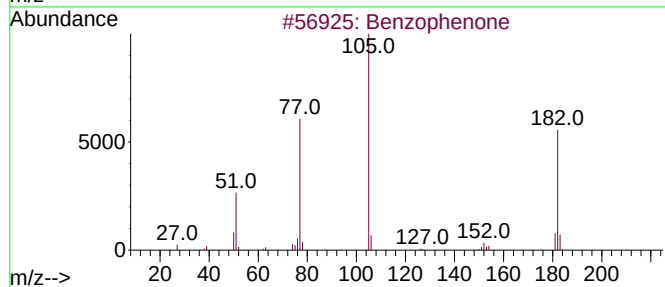
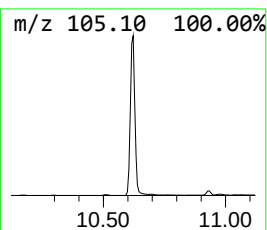
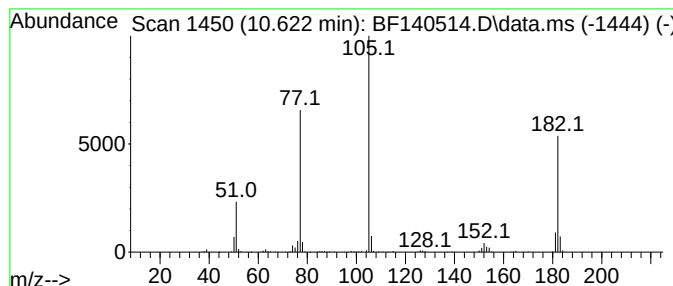
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	12.24 ng	426381	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
3			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4			Vinyl benzoate	148	C9H8O2	000769-78-8	47
5			Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
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Sample : P4822-10
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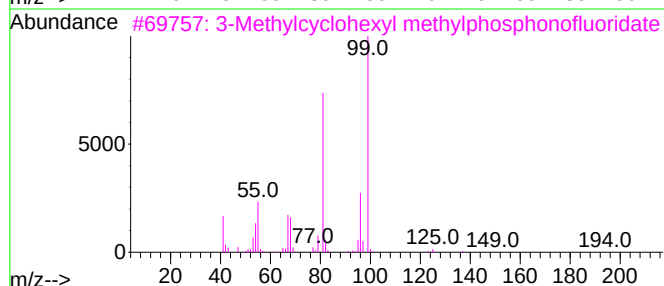
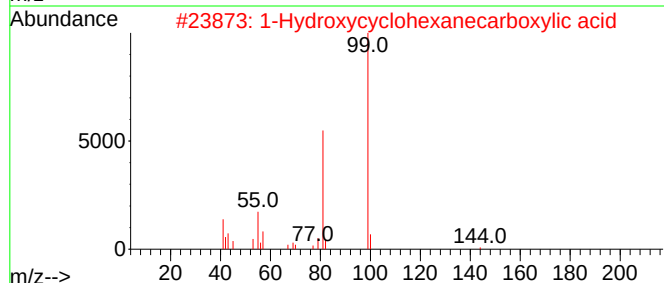
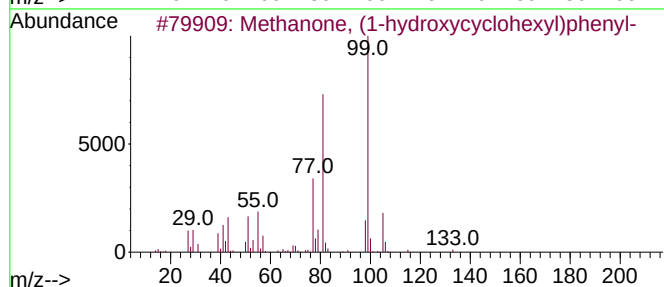
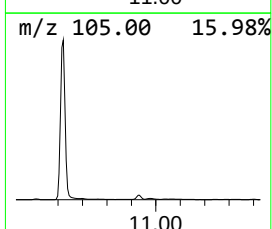
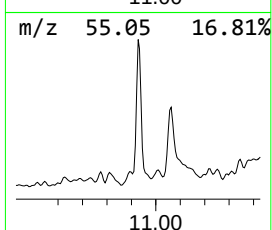
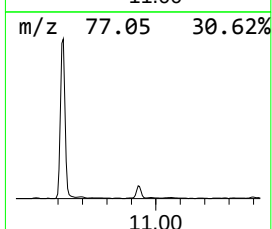
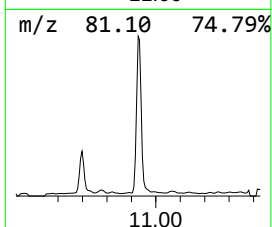
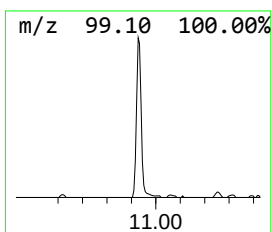
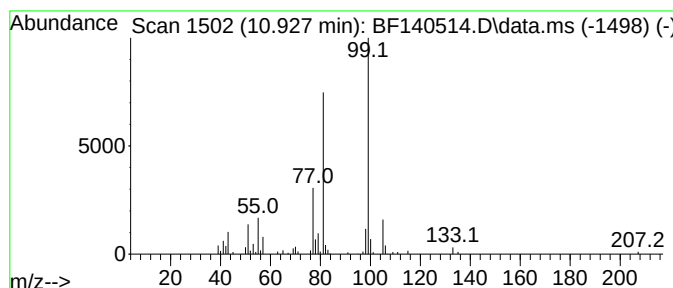
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Methanone, (1-hydroxycyclohexyl) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.928	2.18 ng	77508	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	45
3	3-Methylcyclohexyl methylphospho...	194	C8H16FO2P	113548-86-0	42
4	Cyclohexanol, 1-ethyl-	128	C8H16O	001940-18-7	38
5	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Sample : P4822-10
Misc :
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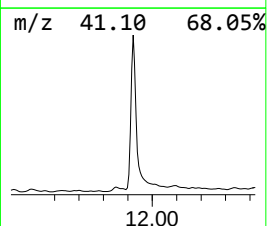
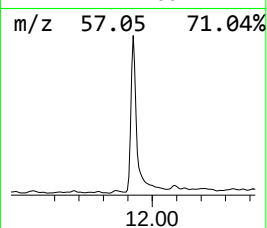
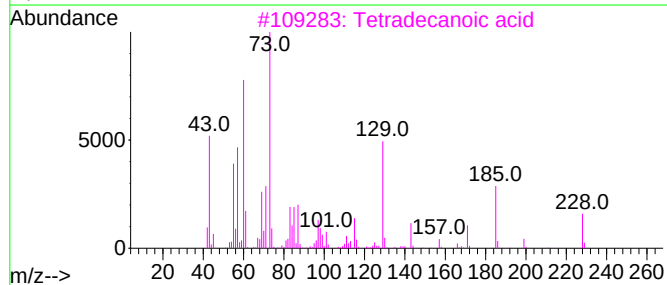
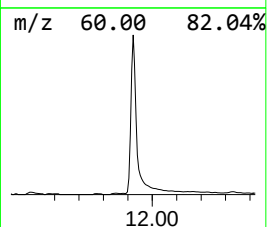
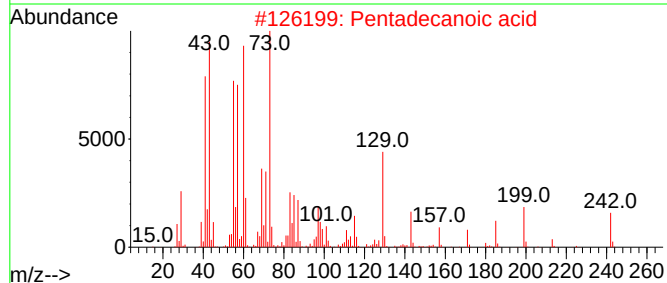
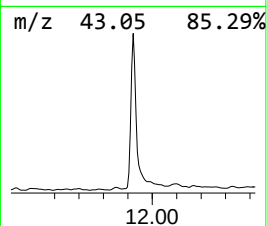
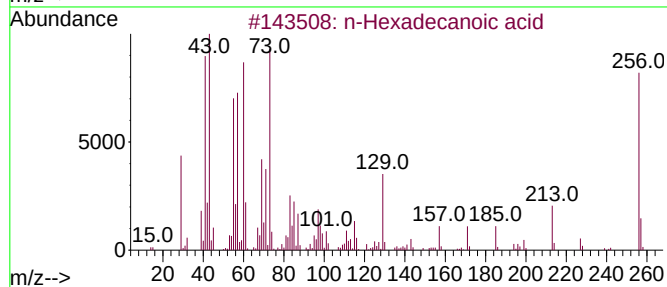
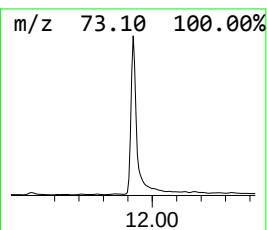
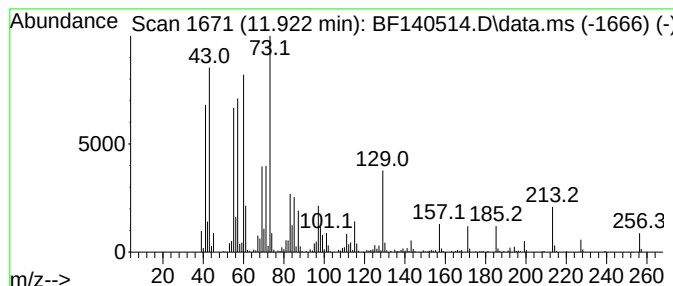
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.922	20.51 ng	730135	Phenanthrene-d10		11.398	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid		242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid		228	C14H28O2	000544-63-8	91
4	Tridecanoic acid		214	C13H26O2	000638-53-9	81
5	n-Decanoic acid		172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
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Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

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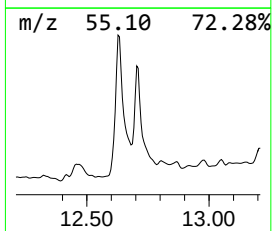
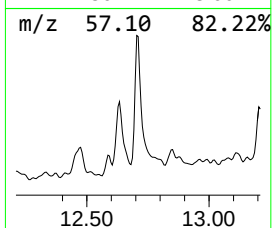
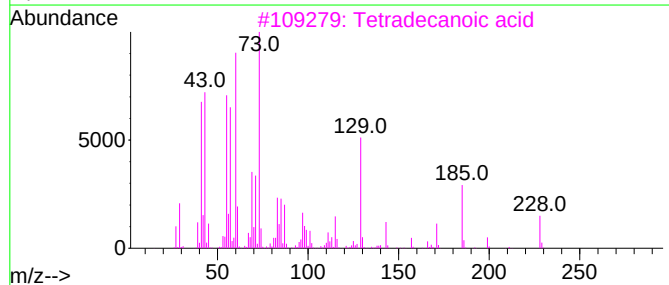
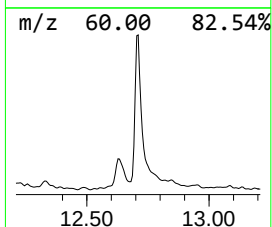
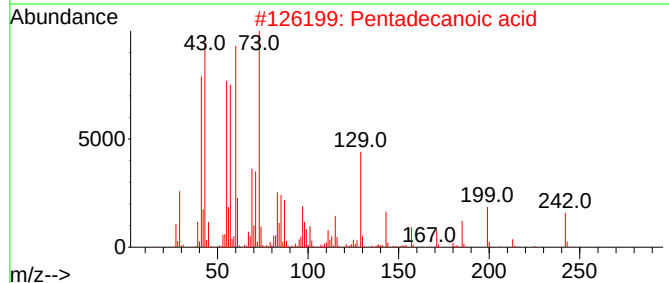
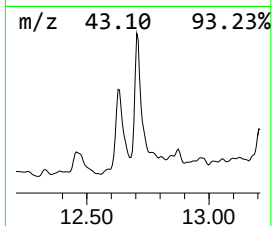
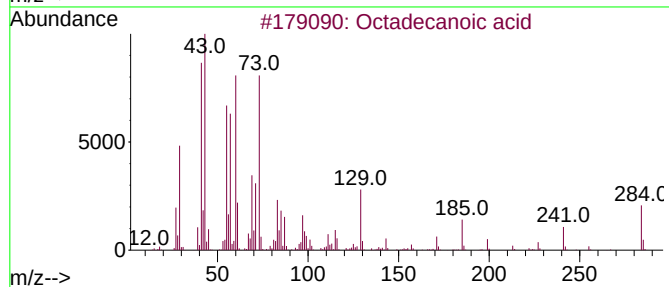
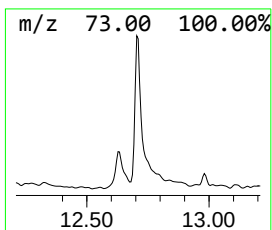
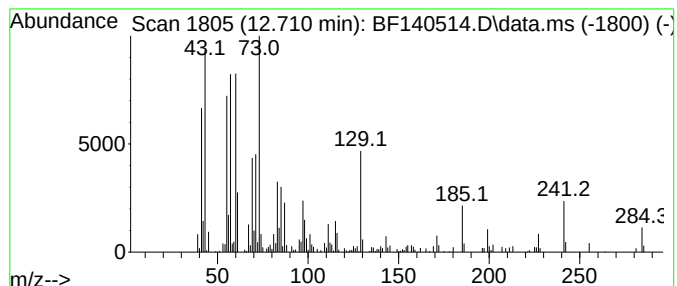
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	7.77 ng	276575	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	98
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4			n-Decanoic acid	172	C10H20O2	000334-48-5	70
5			Hexadecane	226	C16H34	000544-76-3	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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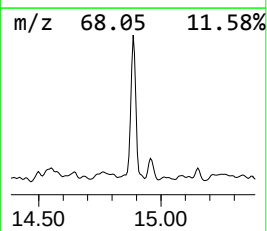
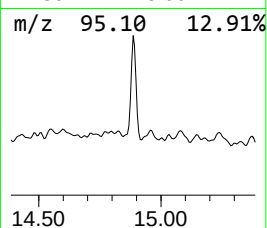
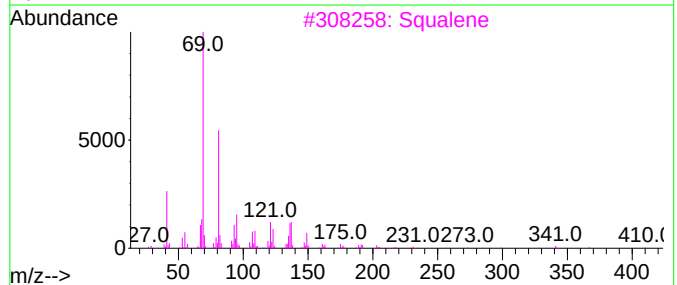
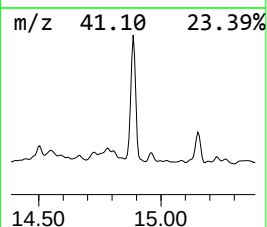
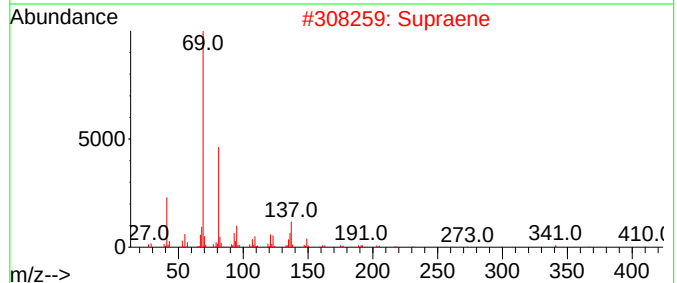
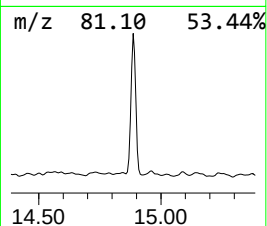
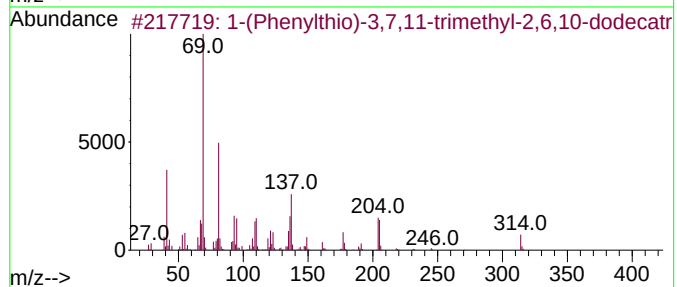
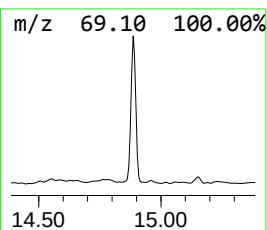
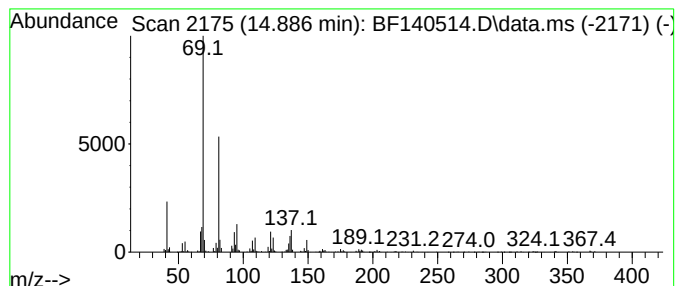
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-(Phenylthio)-3,7,11-trime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.886	8.76 ng	245810	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	91
2	Supraene	410	C30H50	007683-64-9	91
3	Squalene	410	C30H50	000111-02-4	91
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5	2,6-Octadiene, 4,5-dimethyl-	138	C10H18	018476-57-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
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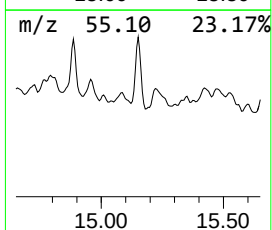
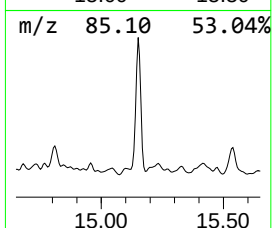
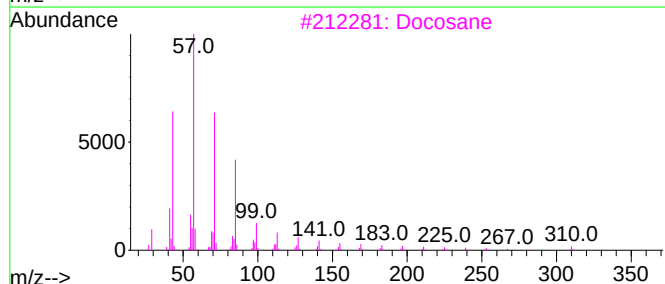
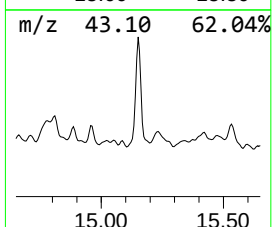
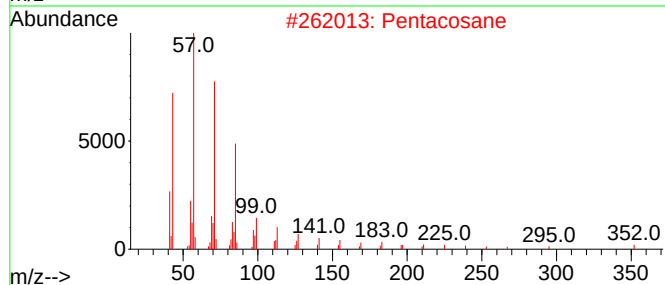
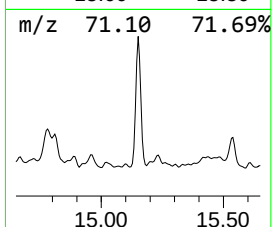
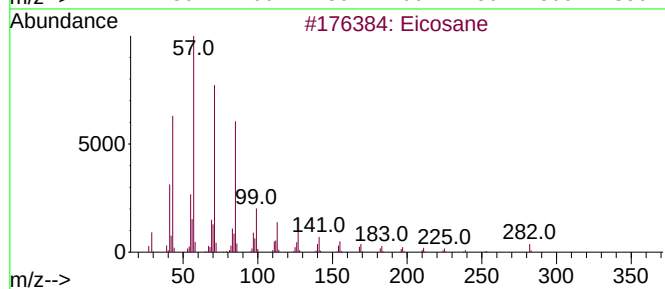
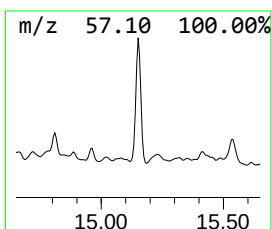
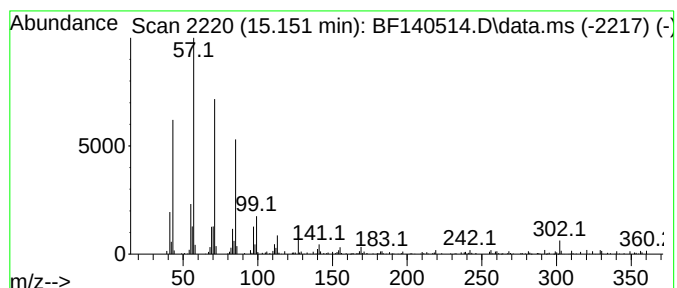
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.151	3.74 ng	104930	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane			282	C20H42	000112-95-8	94
2	Pentacosane			352	C25H52	000629-99-2	93
3	Docosane			310	C22H46	000629-97-0	91
4	Heneicosane			296	C21H44	000629-94-7	87
5	4-Methylheneicosane			310	C22H46	025117-29-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
Operator : RC/JU
Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-5

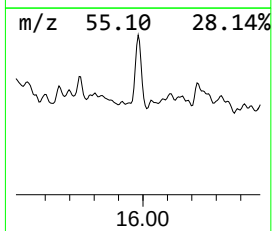
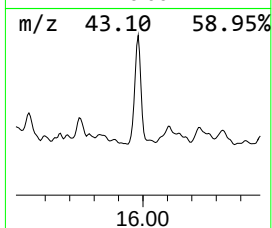
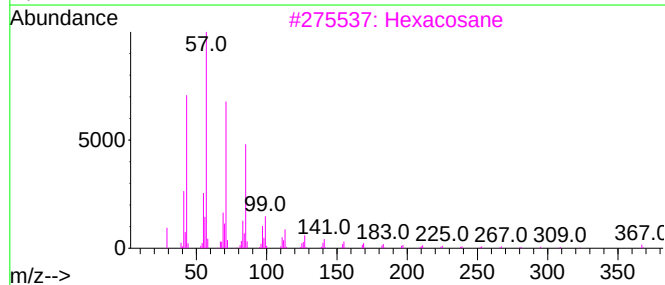
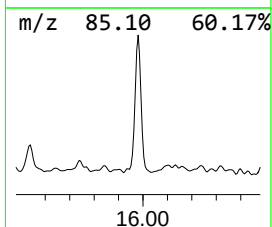
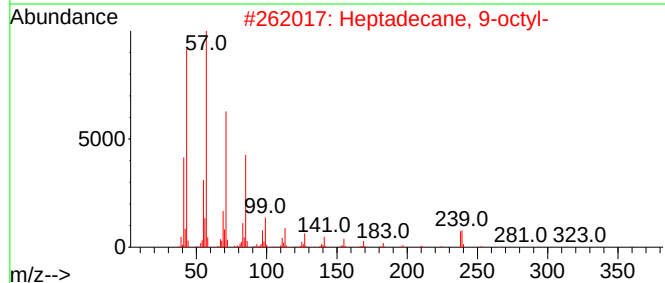
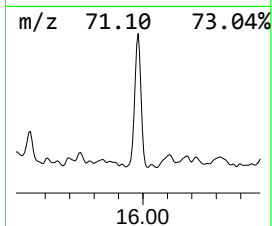
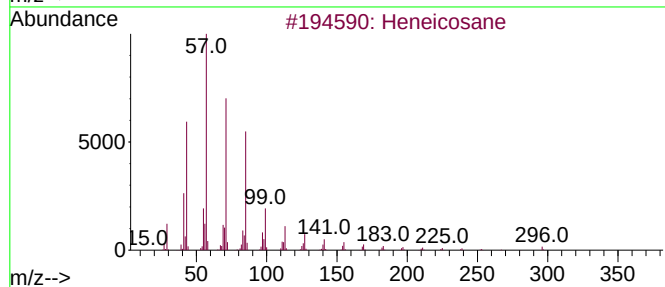
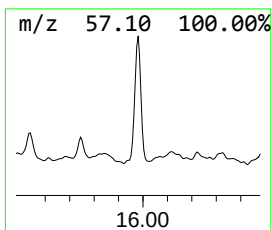
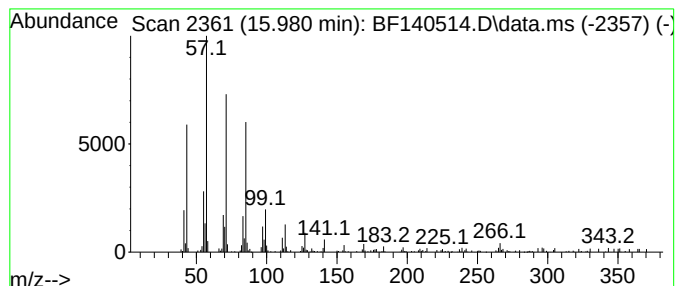
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.980	4.01 ng	112558	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	94
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3			Hexacosane	366	C26H54	000630-01-3	90
4			Triacontane	422	C30H62	000638-68-6	90
5			Nonadecane	268	C19H40	000629-92-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140514.D
Acq On : 20 Nov 2024 21:47
Operator : RC/JU
Sample : P4822-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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
Butane, 2-metho...	2.146	33.3	ng	1040760	1	6.875	624307	20.0
Benzophenone	10.622	12.2	ng	426381	3	9.910	696536	20.0
Methanone, (1-h...	10.928	2.2	ng	77508	4	11.398	711886	20.0
n-Hexadecanoic ...	11.922	20.5	ng	730135	4	11.398	711886	20.0
Octadecanoic acid	12.710	7.8	ng	276575	4	11.398	711886	20.0
1-(Phenylthio)-...	14.886	8.8	ng	245810	6	15.527	561117	20.0
Eicosane	15.151	3.7	ng	104930	6	15.527	561117	20.0
Heneicosane	15.980	4.0	ng	112558	6	15.527	561117	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140515.D	1	11/13/24 09:15	11/20/24 22:13	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.6	U	90.6	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.5	U	91.5	190	ug/Kg
95-57-8	2-Chlorophenol	91.3	U	91.3	190	ug/Kg
95-48-7	2-Methylphenol	88.1	U	88.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.4	U	99.4	190	ug/Kg
98-86-2	Acetophenone	95.0	U	95.0	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.2	U	87.2	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.1	U	44.1	87.4	ug/Kg
67-72-1	Hexachloroethane	90.7	U	90.7	190	ug/Kg
98-95-3	Nitrobenzene	99.3	U	99.3	190	ug/Kg
78-59-1	Isophorone	92.5	U	92.5	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	93.8	U	93.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.5	U	82.5	190	ug/Kg
91-20-3	Naphthalene	90.3	U	90.3	190	ug/Kg
106-47-8	4-Chloroaniline	90.3	UQ	90.3	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.1	U	91.1	190	ug/Kg
105-60-2	Caprolactam	94.9	U	94.9	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.7	U	84.7	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.2	U	90.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.0	U	78.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.9	U	80.9	190	ug/Kg
92-52-4	1,1-Biphenyl	95.5	U	95.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.1	U	91.1	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.3	U	89.3	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
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
BF140515.D	1	11/13/24 09:15	11/20/24 22:13	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.6	U	94.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.9	U	90.9	190	ug/Kg
99-09-2	3-Nitroaniline	97.5	UQ	97.5	190	ug/Kg
83-32-9	Acenaphthene	88.7	U	88.7	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.3	U	92.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.2	U	94.2	190	ug/Kg
84-66-2	Diethylphthalate	87.6	U	87.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.6	U	93.6	190	ug/Kg
86-73-7	Fluorene	93.5	U	93.5	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	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.2	U	89.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.2	U	86.2	190	ug/Kg
118-74-1	Hexachlorobenzene	92.9	U	92.9	190	ug/Kg
1912-24-9	Atrazine	99.9	U	99.9	190	ug/Kg
87-86-5	Pentachlorophenol	84.5	U	84.5	360	ug/Kg
85-01-8	Phenanthrene	94.1	J	91.8	190	ug/Kg
120-12-7	Anthracene	92.3	U	92.3	190	ug/Kg
86-74-8	Carbazole	87.8	U	87.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.1	U	92.1	190	ug/Kg
206-44-0	Fluoranthene	190		89.3	190	ug/Kg
129-00-0	Pyrene	130	J	90.7	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	90.0	J	88.2	190	ug/Kg
218-01-9	Chrysene	89.2	J	86.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.5	U	99.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	88.7	190	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
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
BF140515.D	1	11/13/24 09:15	11/20/24 22:13	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	90.3	U	90.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.4	U	85.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.8	U	88.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.6	U	87.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.9	U	94.9	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.7	U	81.7	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	97.9		30 (18) - 130 (112)	65%	SPK: 150
13127-88-3	Phenol-d6	88.1		30 (15) - 130 (107)	59%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.9		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.7		30 (20) - 130 (109)	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	97.9		30 (10) - 130 (116)	65%	SPK: 150
1718-51-0	Terphenyl-d14	64.2		30 (10) - 130 (105)	64%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000	6.875
1146-65-2	Naphthalene-d8	361000	8.151
15067-26-2	Acenaphthene-d10	164000	9.91
1517-22-2	Phenanthrene-d10	294000	11.398
1719-03-5	Chrysene-d12	239000	14.045
1520-96-3	Perylene-d12	181000	15.545

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1700	J	2.15	ug/Kg
000119-61-9	Benzophenone	500	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	76.2	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	510	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	130	J	12.7	ug/Kg
000112-88-9	1-Octadecene	200	J	13.9	ug/Kg
000629-97-0	Docosane	75.4	J	14.5	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.3
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
BF140515.D	1	11/13/24 09:15	11/20/24 22:13	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
007683-64-9	Supraene	150	J		14.9	ug/Kg
1000406-32-4	Dotriacontane, 1-iodo-	400	J		15.2	ug/Kg
000629-92-5	Nonadecane	370	J		16.0	ug/Kg
001617-70-5	Lup-20(29)-en-3-one	620	J		18.2	ug/Kg
001058-61-3	Stigmast-4-en-3-one	530	J		18.7	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\BF112024\
 Data File : BF140515.D
 Acq On : 20 Nov 2024 22:13
 Operator : RC/JU
 Sample : P4822-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 00:09:13 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	108224	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	360674	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	164153	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	294426	20.000	ng	0.00
76) Chrysene-d12	14.045	240	239458	20.000	ng	0.00
86) Perylene-d12	15.545	264	181365	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	620699	97.924	ng	0.01
7) Phenol-d6	6.510	99	756705	88.114	ng	0.00
23) Nitrobenzene-d5	7.434	82	483971	69.914	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	159776	97.880	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	824223	80.716	ng	0.00
79) Terphenyl-d14	12.986	244	885815	64.211	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	35711	2.582	ng	99
75) Fluoranthene	12.610	202	79002	5.091	ng	98
78) Pyrene	12.845	202	71264	3.479	ng	98
81) Benzo(a)anthracene	14.033	228	38870	2.470	ng	96
83) Chrysene	14.068	228	35166	2.449	ng	97
88) Benzo(b)fluoranthene	15.104	252	37941m	3.198	ng	
90) Benzo(a)pyrene	15.474	252	22614	2.455	ng	# 87

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

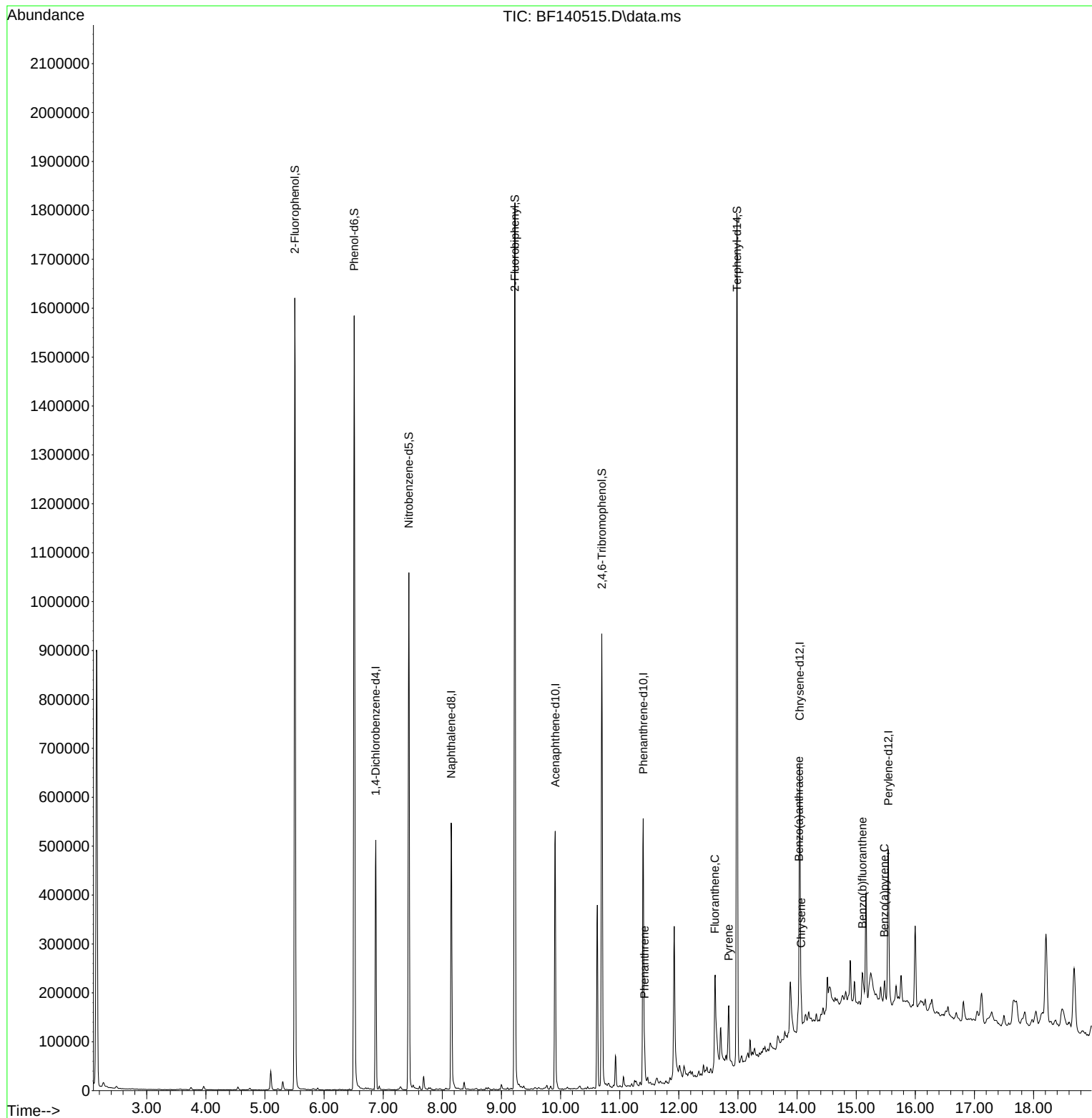
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Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

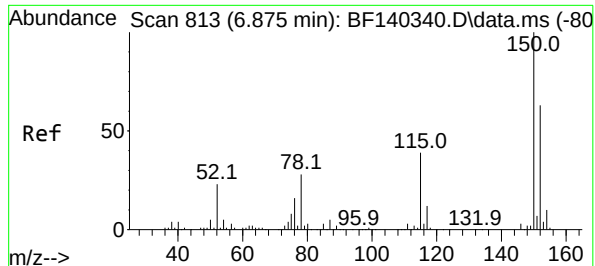
Instrument :
BNA_F
ClientSampleId :
SOIL-6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

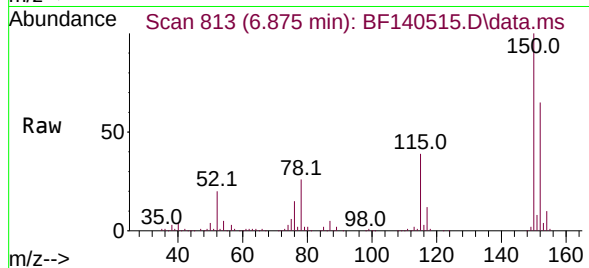
Quant Time: Nov 21 00:09:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

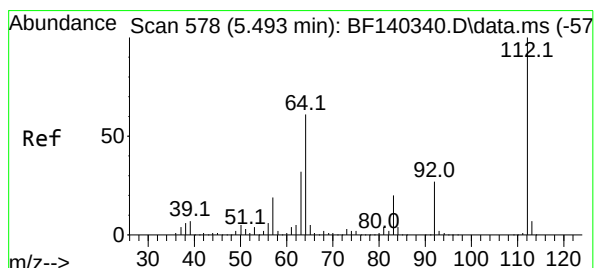
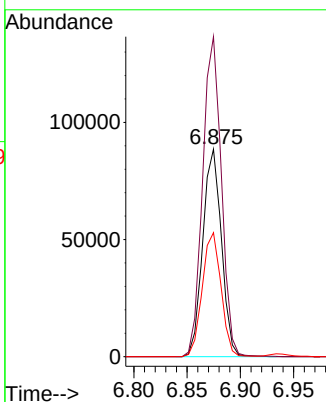
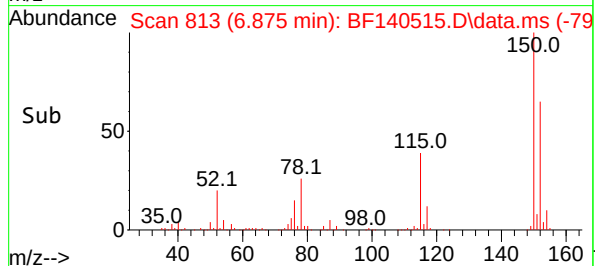
Instrument :
BNA_F
ClientSampleId :
SOIL-6



Tgt Ion:152 Resp: 108224
Ion Ratio Lower Upper
152 100
150 154.2 127.4 191.0
115 59.8 47.4 71.2

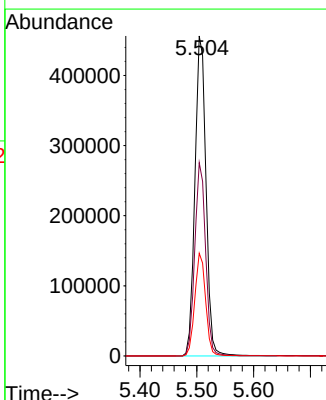
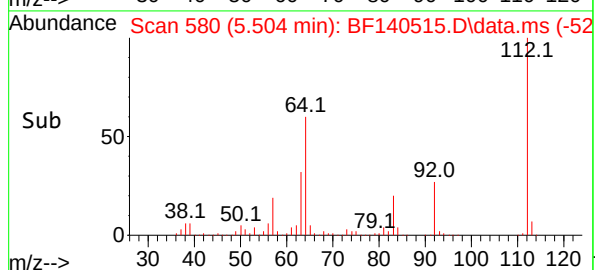
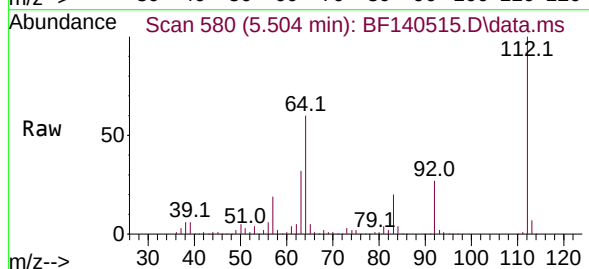
Manual Integrations
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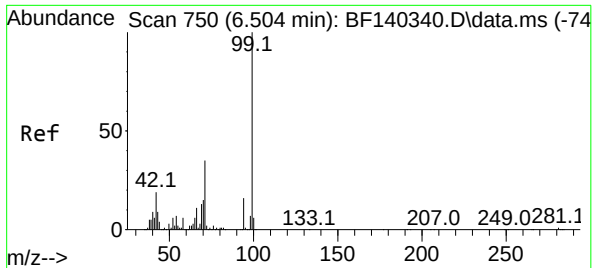
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#5
2-Fluorophenol
Concen: 97.924 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

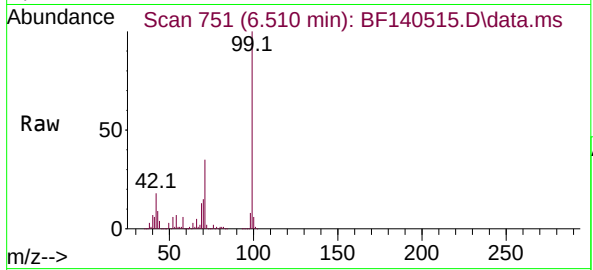
Tgt Ion:112 Resp: 620699
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 32.1 25.6 38.4





#7
Phenol-d6
Concen: 88.114 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

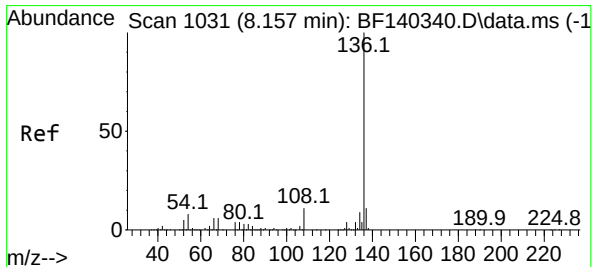
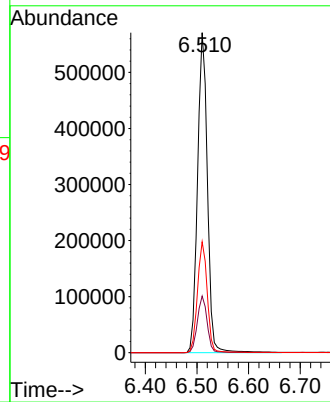
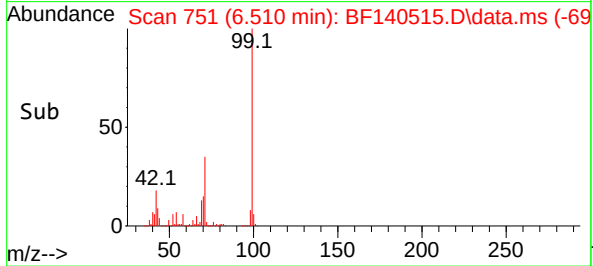
Instrument :
BNA_F
ClientSampleId :
SOIL-6



Tgt Ion: 99 Resp: 75670
Ion Ratio Lower Upper
99 100
42 17.7 15.1 22.7
71 34.7 27.9 41.9

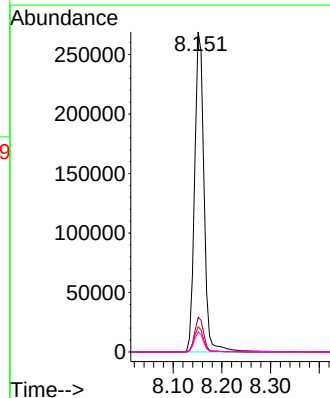
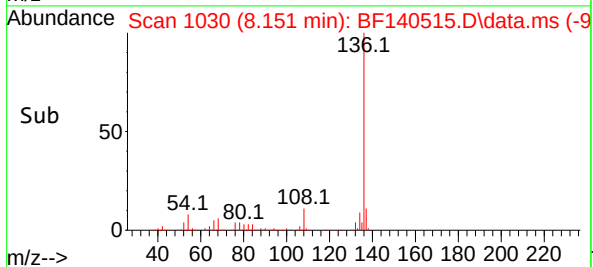
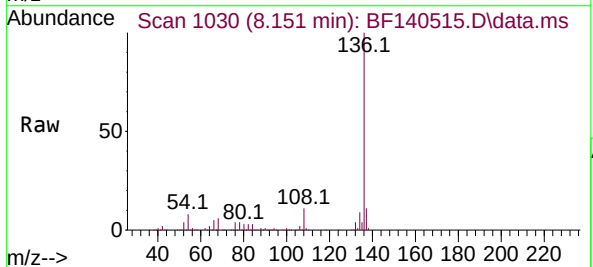
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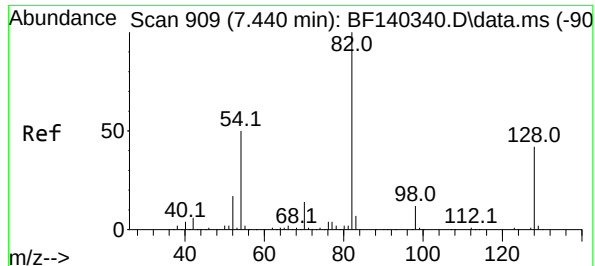
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:136 Resp: 360674
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.8 6.5 9.7
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 69.914 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

Tgt Ion: 82 Resp: 48397

Ion Ratio Lower Upper

82 100

128 42.4 33.3 49.9

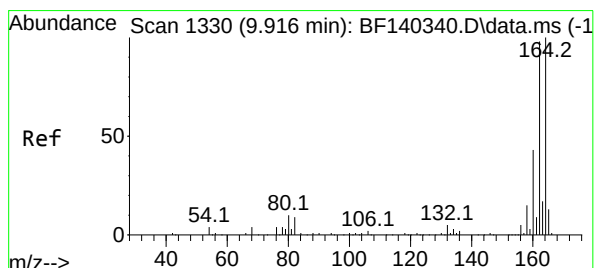
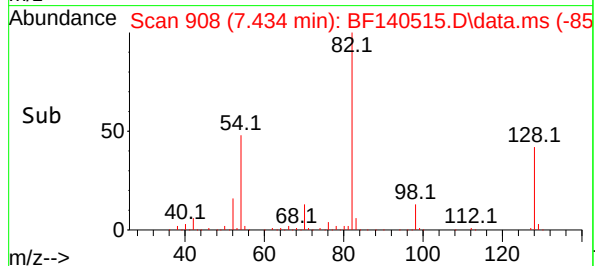
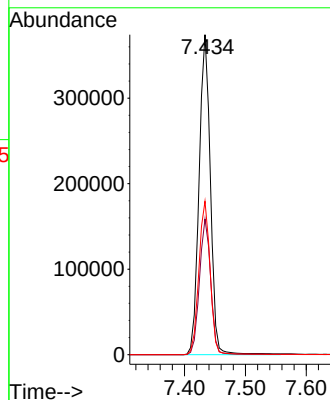
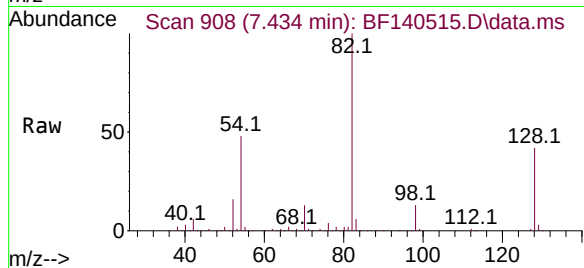
54 47.9 39.8 59.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

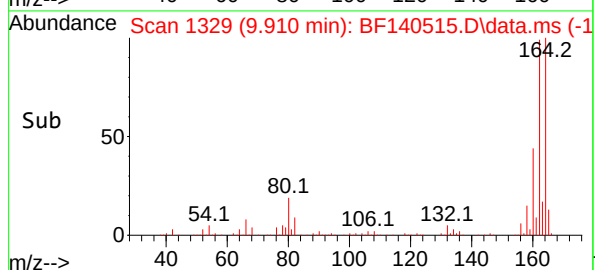
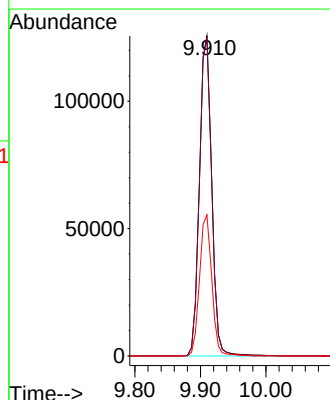
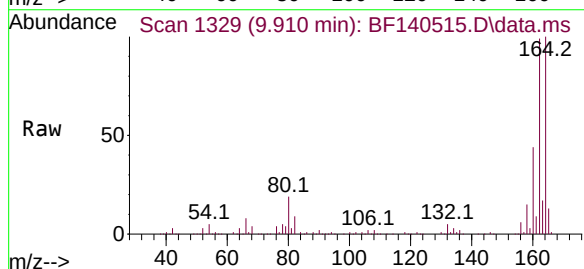
Tgt Ion:164 Resp: 164153

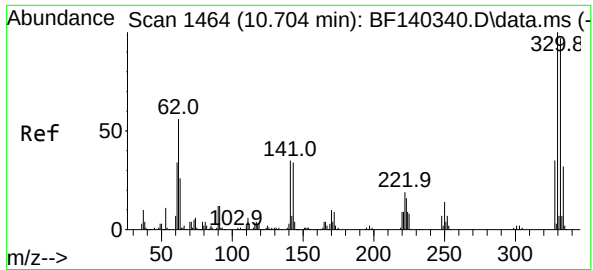
Ion Ratio Lower Upper

164 100

162 99.2 79.8 119.8

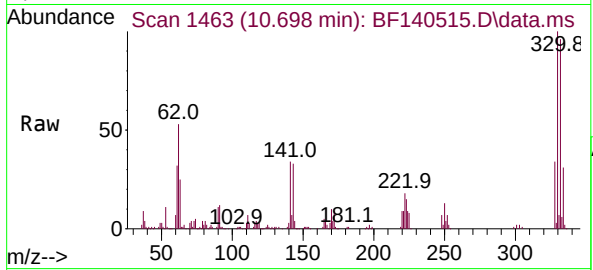
160 44.1 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 97.880 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

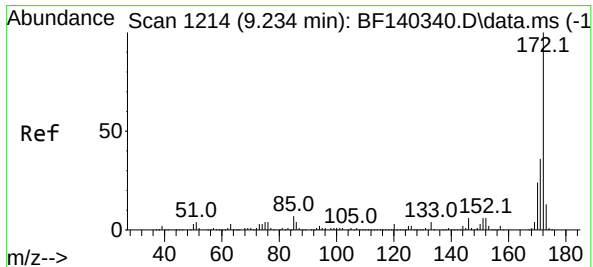
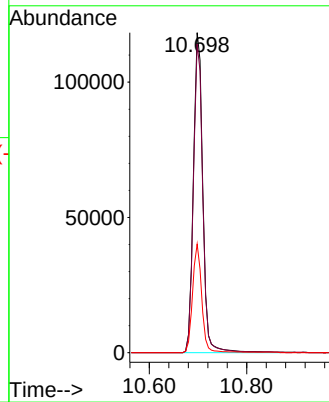
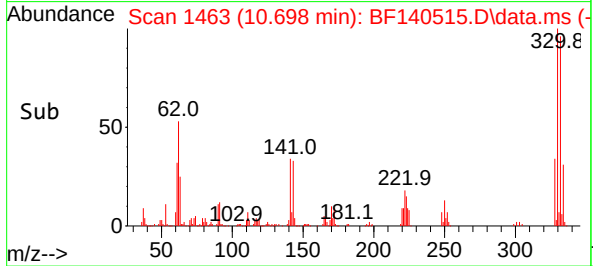
Instrument :
BNA_F
ClientSampleId :
SOIL-6



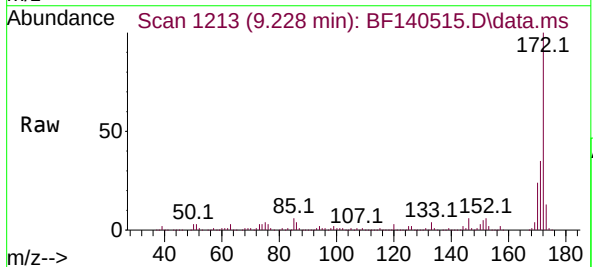
Tgt Ion:330 Resp: 159770
Ion Ratio Lower Upper
330 100
332 96.1 75.9 113.9
141 33.2 26.9 40.3

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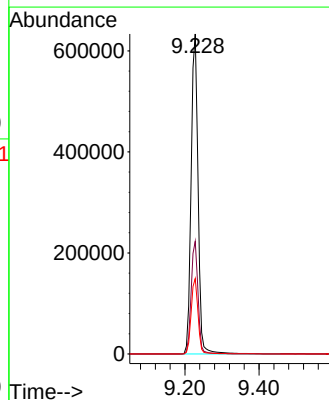
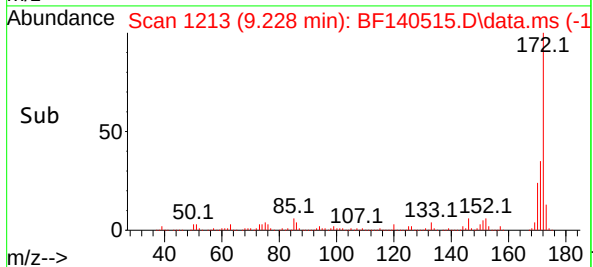
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

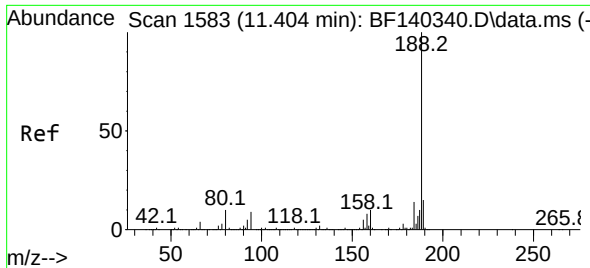


#45
2-Fluorobiphenyl
Concen: 80.716 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13



Tgt Ion:172 Resp: 824223
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.5 19.1 28.7





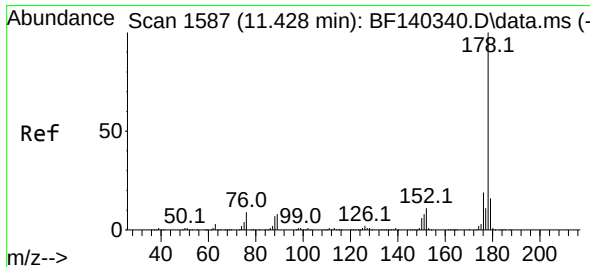
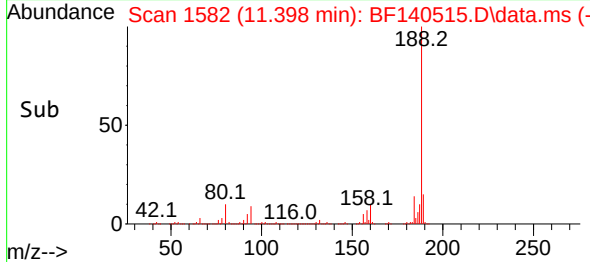
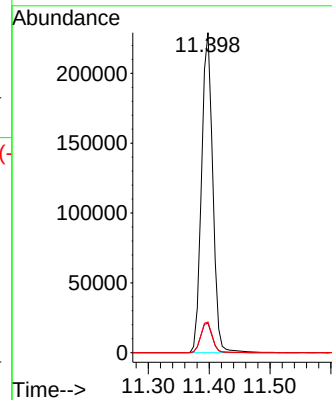
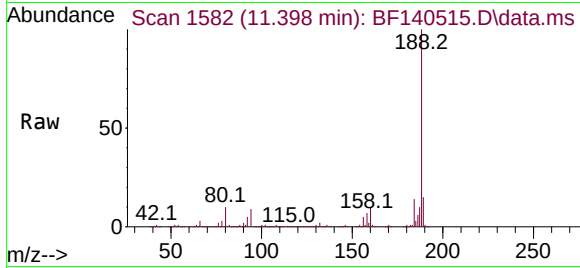
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:188 Resp: 294420
Ion Ratio Lower Upper
188 100
94 9.1 7.6 11.4
80 9.6 8.0 12.0

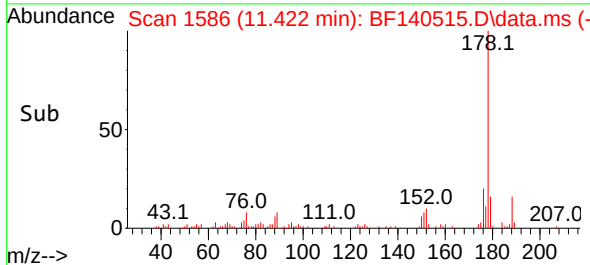
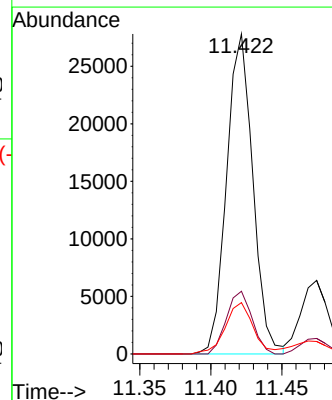
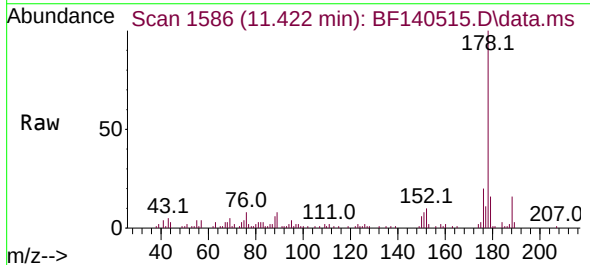
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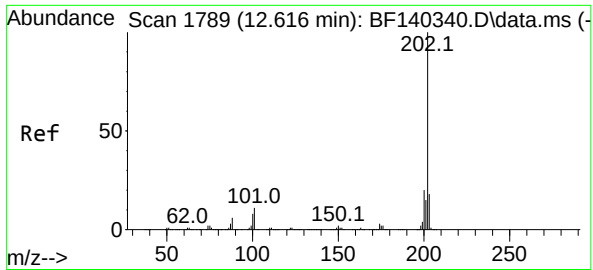
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#71
Phenanthrene
Concen: 2.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:178 Resp: 35711
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 16.1 12.4 18.6





#75

Fluoranthene

Concen: 5.091 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

Tgt Ion:202 Resp: 7900

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.7

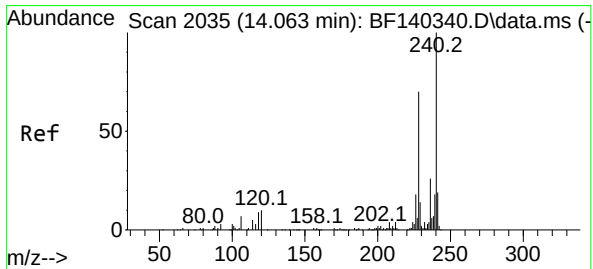
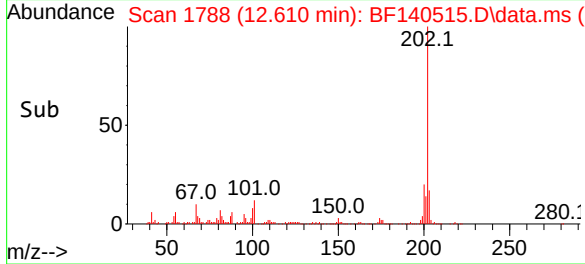
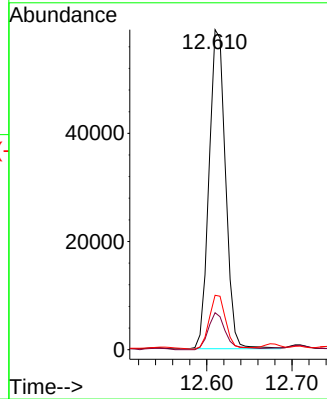
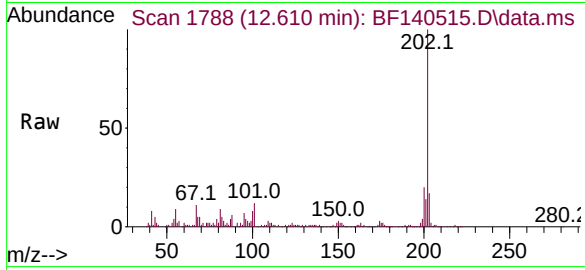
203 17.0 0.0 37.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

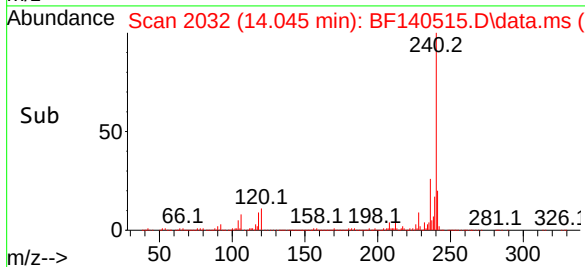
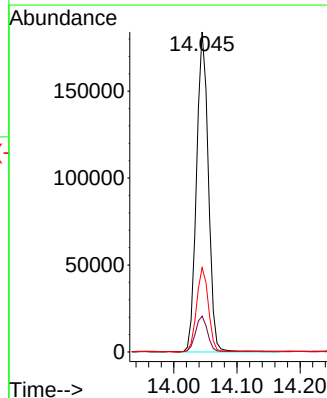
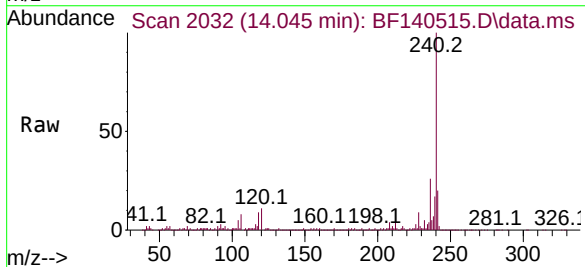
Tgt Ion:240 Resp: 239458

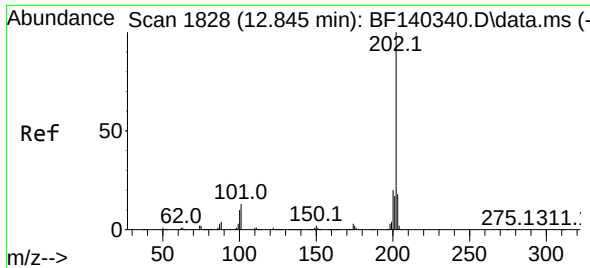
Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

236 26.4 20.9 31.3





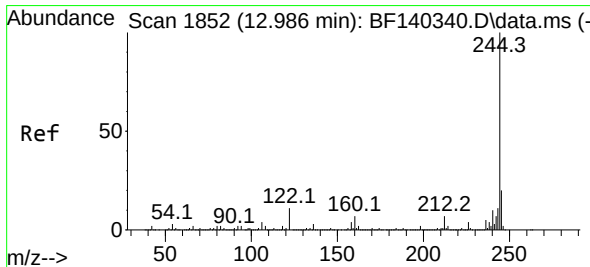
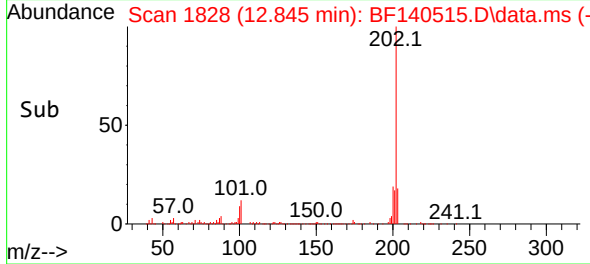
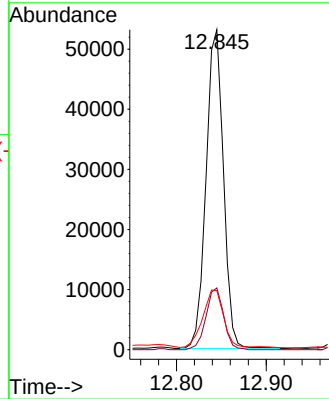
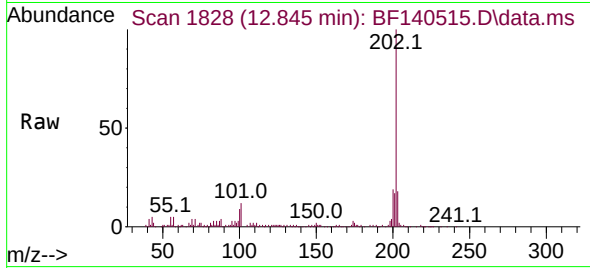
#78
Pyrene
Concen: 3.479 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Tgt Ion:202 Resp: 71264
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 18.5 14.2 21.4

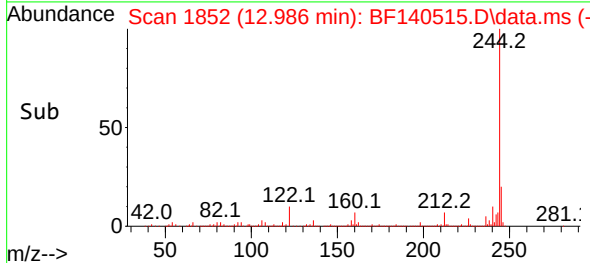
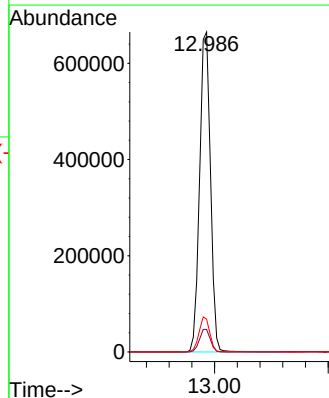
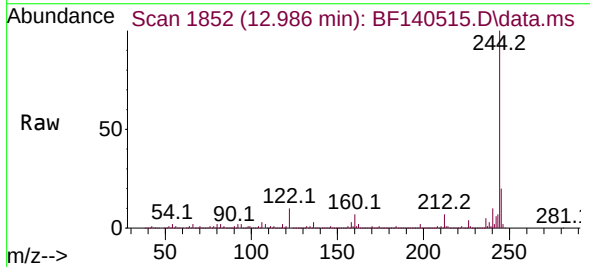
Manual Integrations
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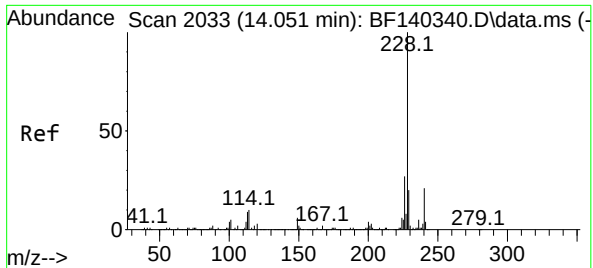
Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024



#79
Terphenyl-d14
Concen: 64.211 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF140515.D
Acq: 20 Nov 2024 22:13

Tgt Ion:244 Resp: 885815
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 10.3 8.8 13.2





#81

Benzo(a)anthracene

Concen: 2.470 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

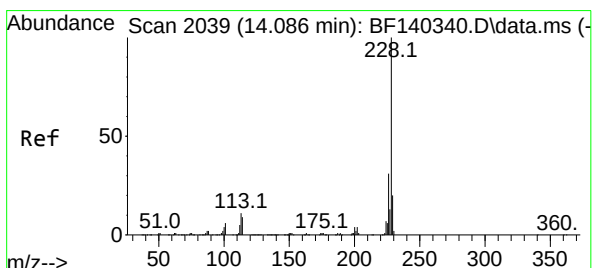
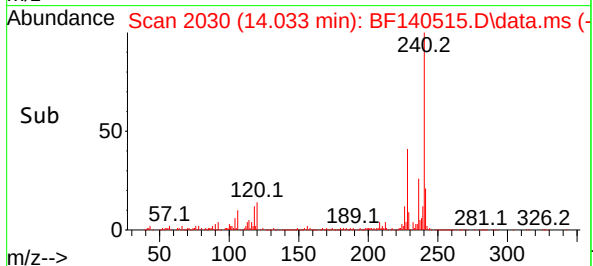
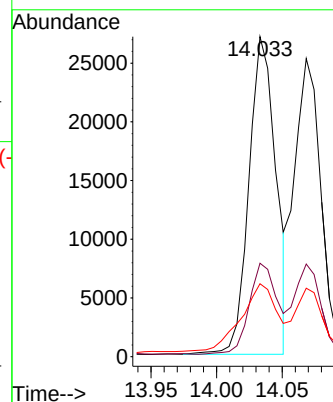
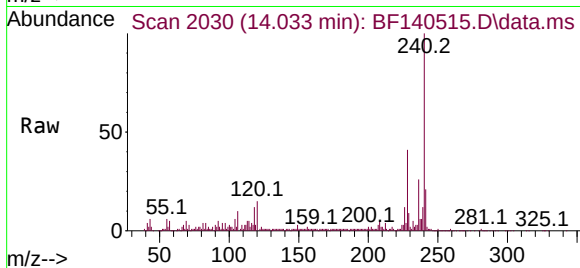
Tgt Ion:228	Resp:	38870
Ion Ratio	Lower	Upper
228	100	
226	29.2	22.2 33.4
229	22.8	15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#83

Chrysene

Concen: 2.449 ng

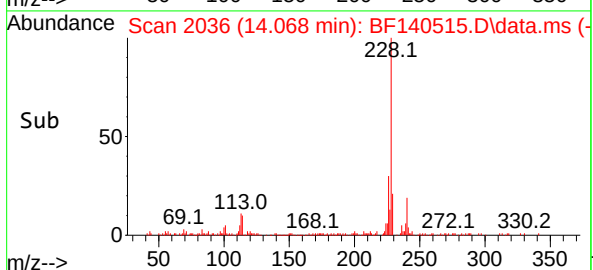
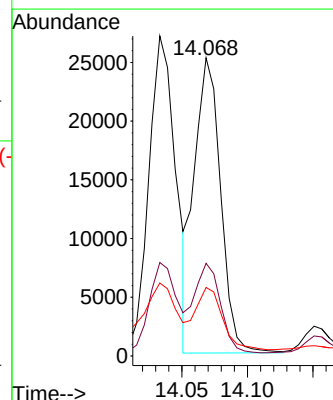
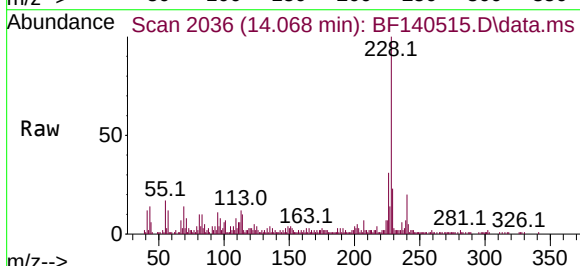
RT: 14.068 min Scan# 2036

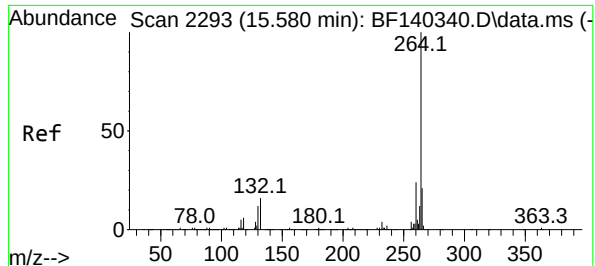
Delta R.T. -0.012 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Tgt Ion:228	Resp:	35166
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.5 36.7
229	23.0	16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6

Tgt Ion:264 Resp: 18136

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

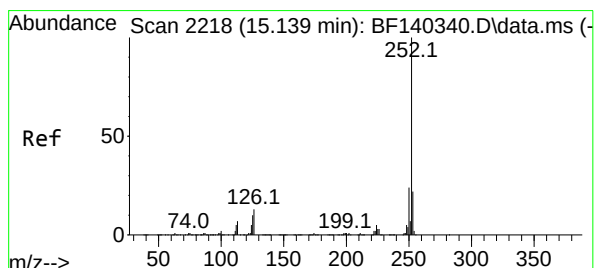
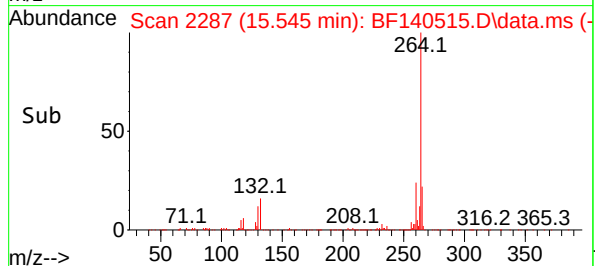
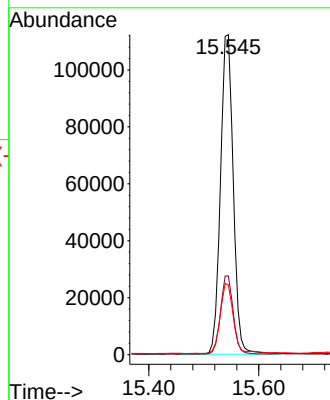
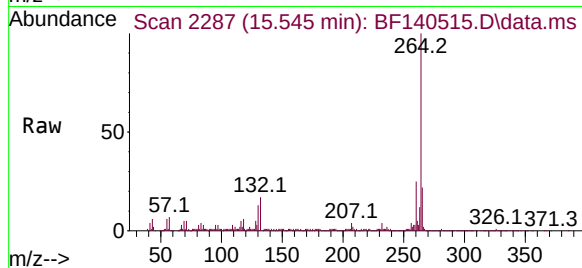
265 21.8 17.1 25.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



#88

Benzo(b)fluoranthene

Concen: 3.198 ng m

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140515.D

Acq: 20 Nov 2024 22:13

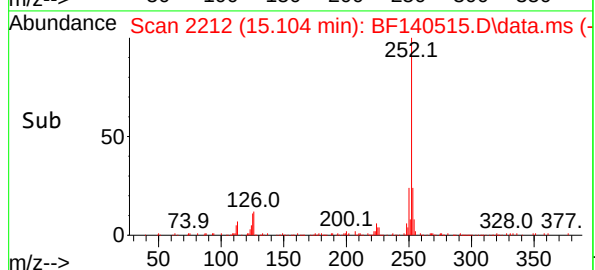
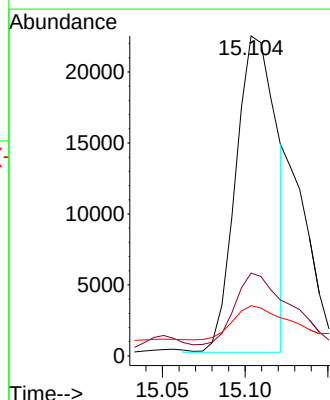
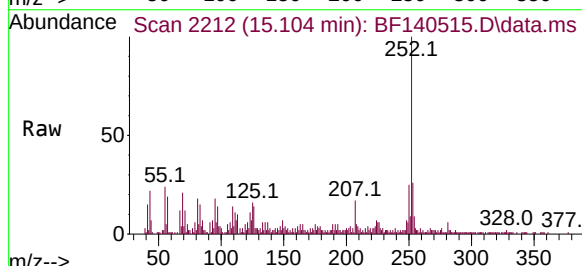
Tgt Ion:252 Resp: 37941

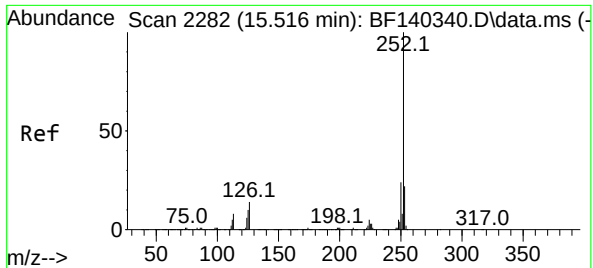
Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 15.7 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 2.455 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF140515.D

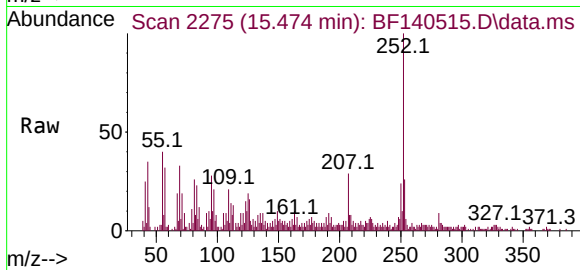
Acq: 20 Nov 2024 22:13

Instrument :

BNA_F

ClientSampleId :

SOIL-6



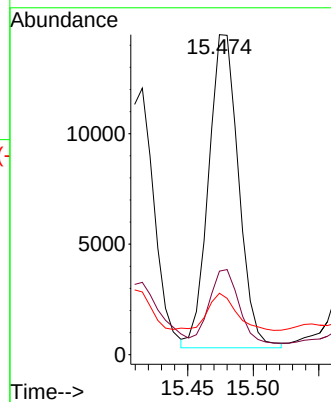
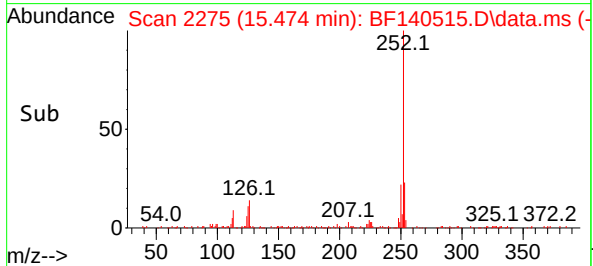
Tgt Ion:	252	Resp:	22614
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.6
125	19.2	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140515.D
 Acq On : 20 Nov 2024 22:13
 Operator : RC/JU
 Sample : P4822-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-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-BF111324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140515.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	21	rVB	892084	1466273	62.34%	6.821%
2	5.098	506	511	521	rVB	37924	57936	2.46%	0.269%
3	5.304	538	546	553	rBV	16511	27850	1.18%	0.130%
4	5.504	574	580	597	rBV	1618613	2173719	92.42%	10.111%
5	6.510	745	751	769	rBV	1581978	2123716	90.29%	9.879%
6	6.875	808	813	818	rBV	510267	627102	26.66%	2.917%
7	7.434	902	908	917	rBV	1057474	1360425	57.84%	6.328%
8	7.686	945	951	962	rBV	26617	42063	1.79%	0.196%
9	8.151	1025	1030	1043	rBV	544126	724501	30.80%	3.370%
10	9.228	1207	1213	1223	rBV	1812456	2340791	99.52%	10.888%
11	9.910	1323	1329	1341	rVB	527303	701959	29.84%	3.265%
12	10.622	1444	1450	1456	rBV	374853	478134	20.33%	2.224%
13	10.698	1458	1463	1473	rVV	924495	1205652	51.26%	5.608%
14	10.927	1498	1502	1511	rVB	63237	85012	3.61%	0.395%
15	11.063	1521	1525	1534	rBV6	21131	34499	1.47%	0.160%
16	11.398	1576	1582	1592	rBV	544663	812921	34.56%	3.781%
17	11.627	1614	1621	1627	rBV2	14544	39694	1.69%	0.185%
18	11.921	1663	1671	1683	rVV2	316701	571498	24.30%	2.658%
19	12.016	1683	1687	1695	rVB3	24119	55348	2.35%	0.257%
20	12.086	1695	1699	1705	rBV4	22472	43772	1.86%	0.204%
21	12.416	1751	1755	1759	rBV	21176	33507	1.42%	0.156%
22	12.616	1781	1789	1800	rBV	199818	484270	20.59%	2.253%
23	12.710	1801	1805	1816	rVB3	70261	139840	5.95%	0.650%
24	12.845	1822	1828	1835	rVB	113812	168358	7.16%	0.783%
25	12.980	1846	1851	1859	rBV	1738235	2352048	100.00%	10.941%
26	13.204	1886	1889	1893	rBV	35937	45902	1.95%	0.214%
27	13.886	2000	2005	2022	rBV3	103927	238982	10.16%	1.112%
28	14.045	2024	2032	2040	rBV2	539673	865001	36.78%	4.024%
29	14.515	2108	2112	2114	rBV	62084	89468	3.80%	0.416%
30	14.898	2174	2177	2184	rVB	82988	112482	4.78%	0.523%
31	15.168	2218	2223	2228	rVB	214146	304191	12.93%	1.415%
32	15.545	2282	2287	2298	rVB	317671	549810	23.38%	2.557%
33	15.998	2359	2364	2370	rVB	165134	275960	11.73%	1.284%
34	18.209	2734	2740	2751	rVB3	179952	465006	19.77%	2.163%
35	18.686	2815	2821	2838	rVB2	132443	400307	17.02%	1.862%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-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-BF111324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

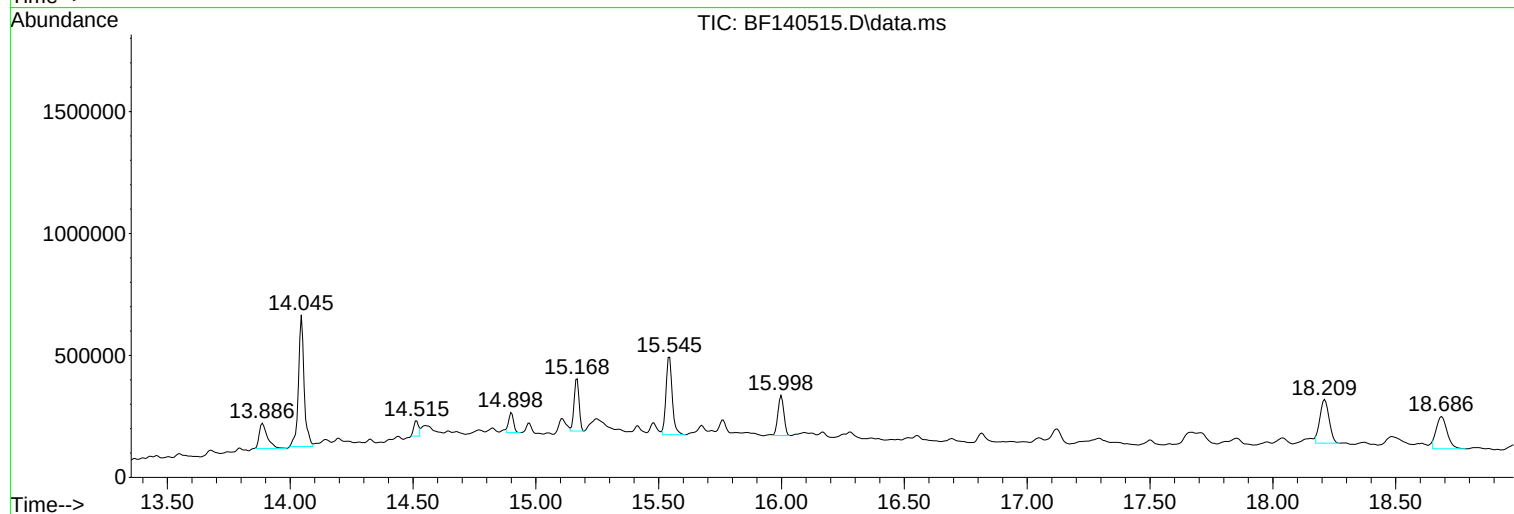
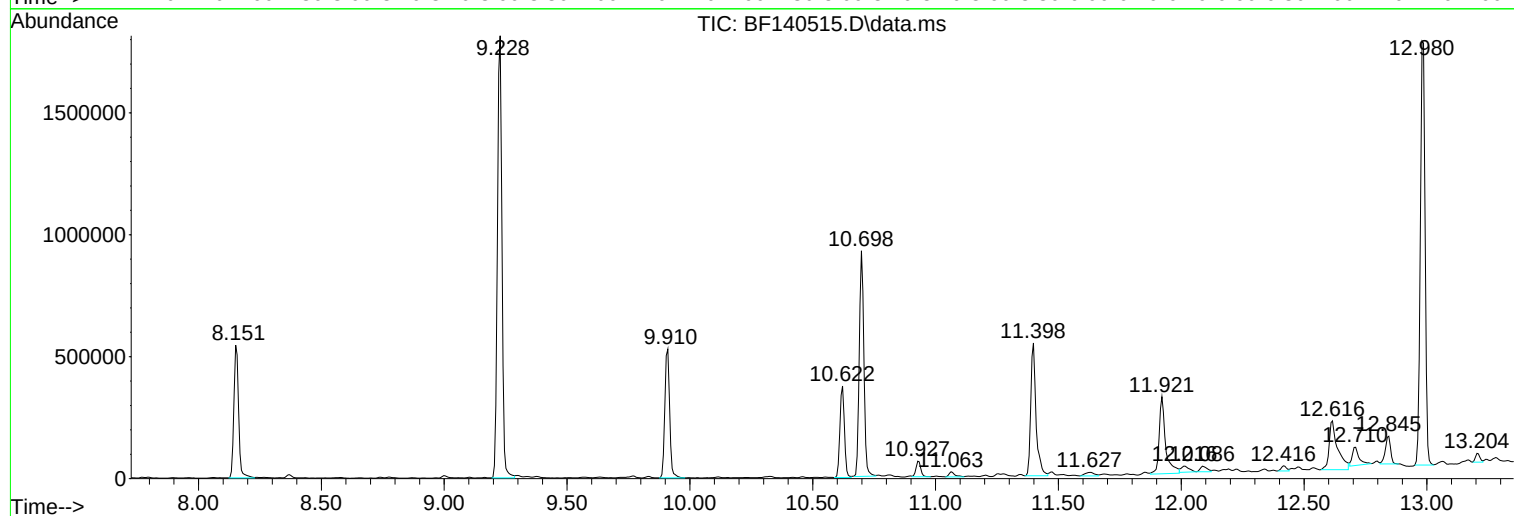
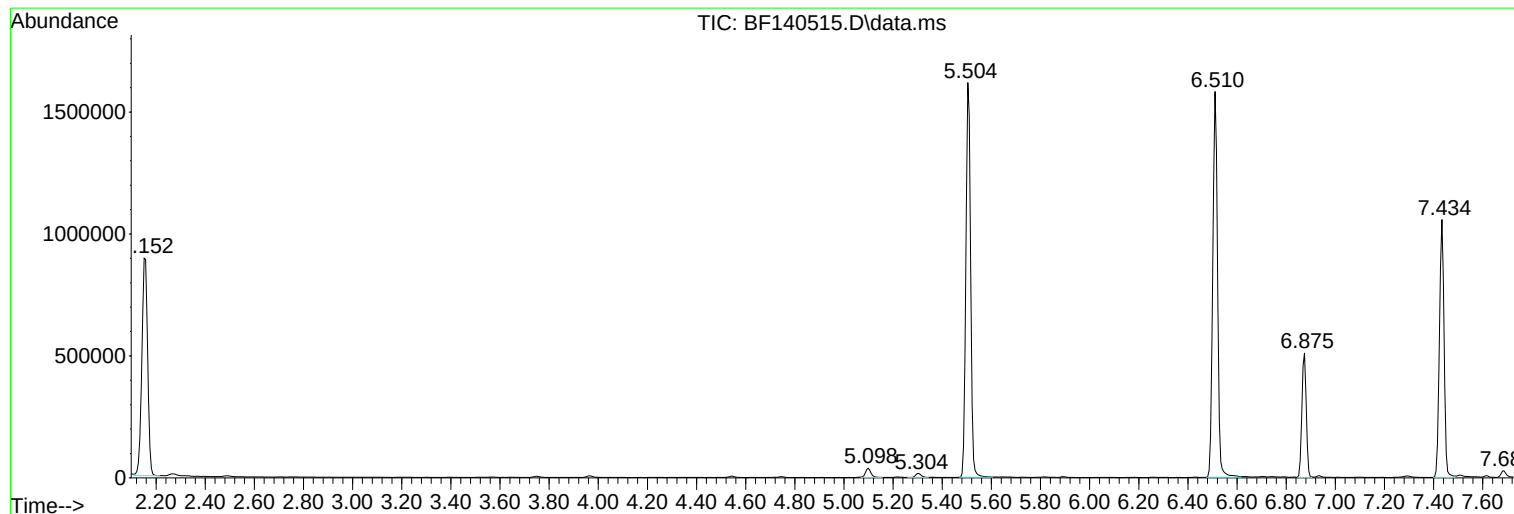
Sum of corrected areas: 21497997

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

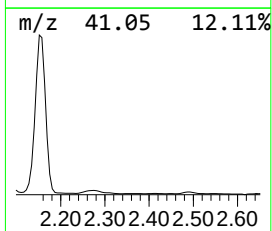
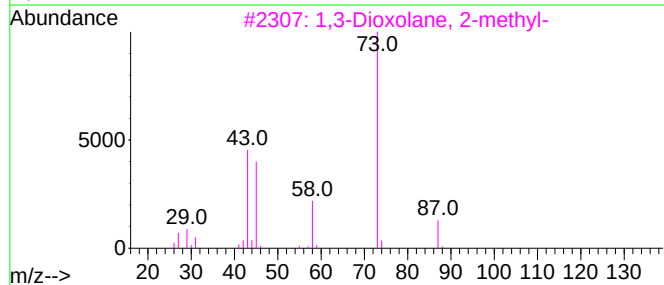
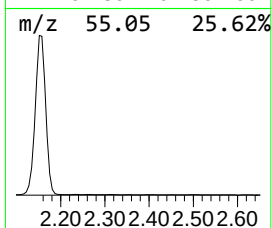
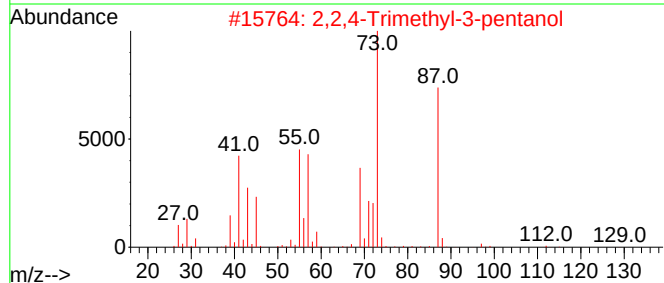
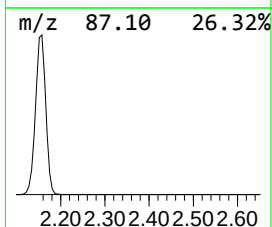
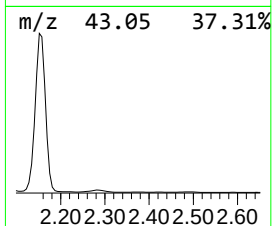
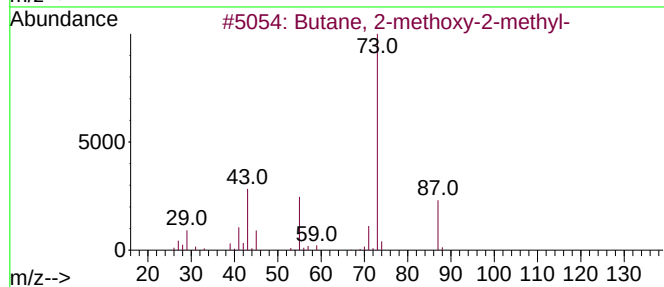
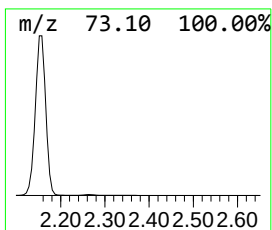
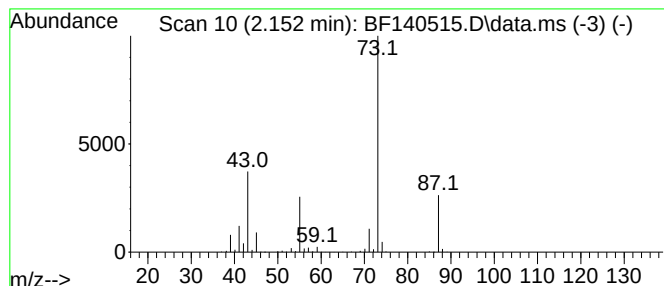
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	46.76 ng	1466270	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	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

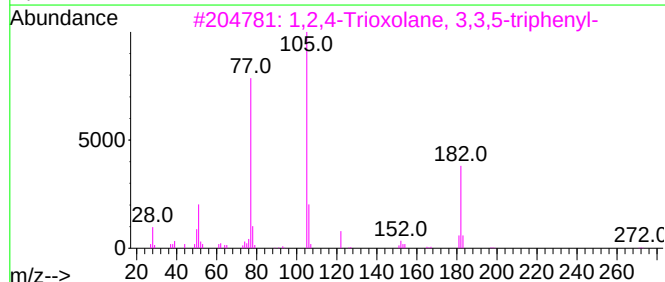
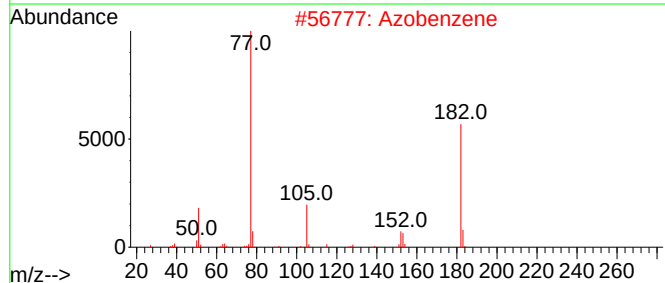
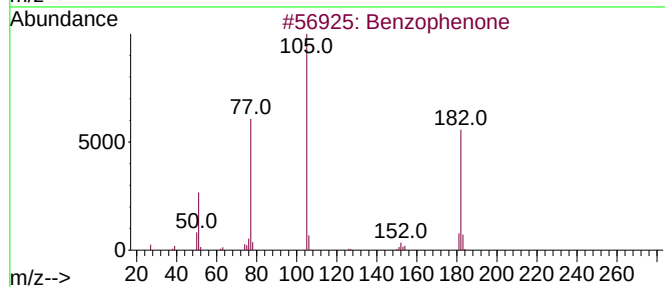
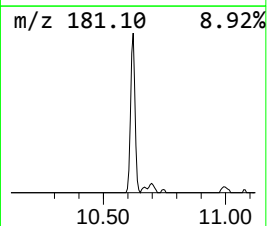
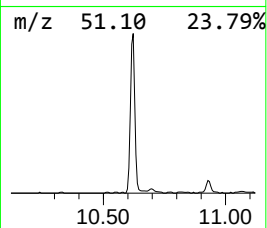
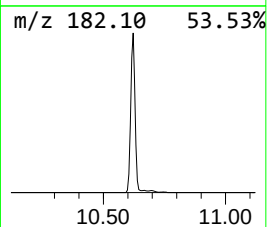
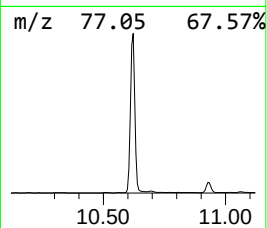
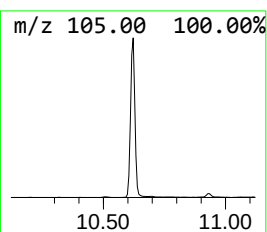
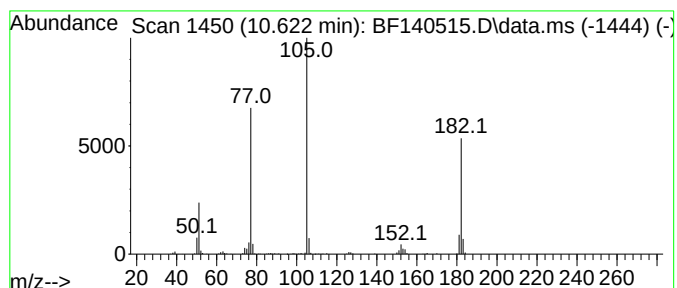
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	13.62 ng	478134	Acenaphthene-d10	9.910

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	72
3			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	64
4			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

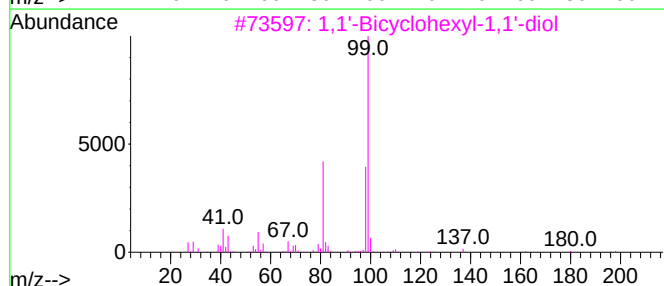
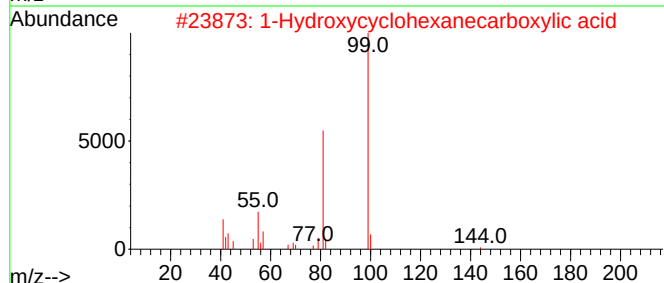
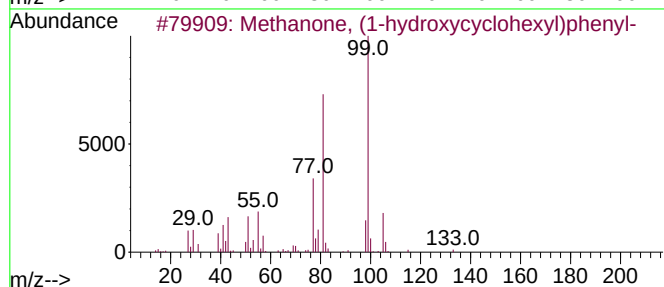
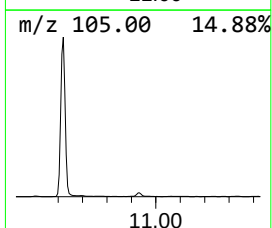
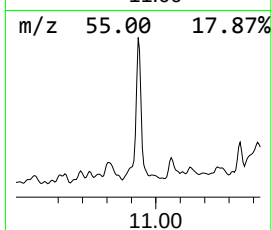
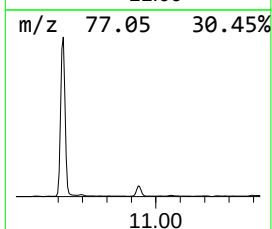
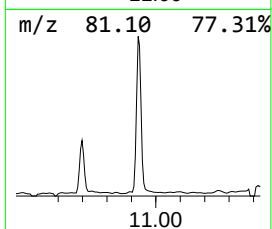
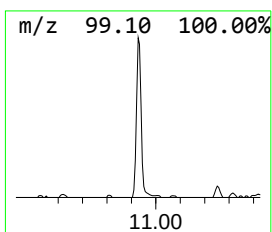
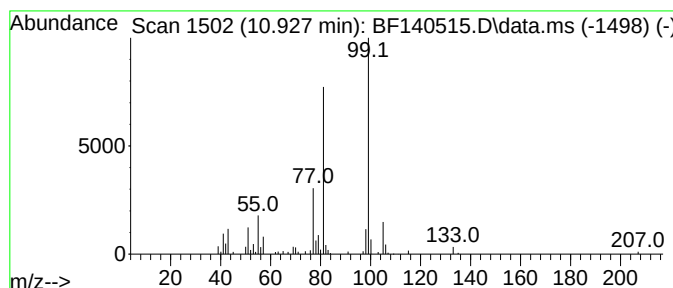
Instrument :
BNA_F
ClientSampleId :
SOIL-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Methanone, (1-hydroxycyclohexyl) Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.927	2.09 ng	85012	Phenanthrene-d10	11.398	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	91
2	1-Hydroxycyclohexanecarboxylic acid	144	C7H12O3	001123-28-0	59
3	1,1'-Bicyclohexyl-1,1'-diol	198	C12H22O2	002888-11-1	36
4	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	16
5	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	12



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

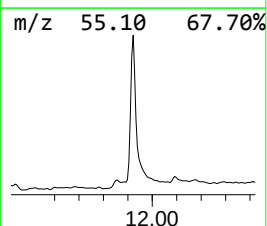
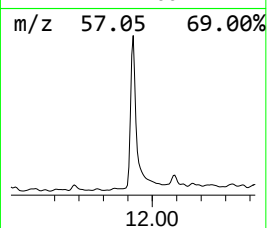
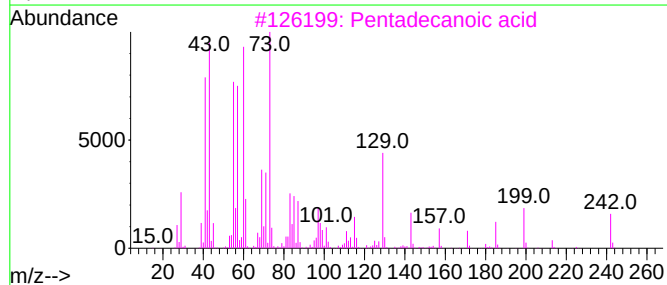
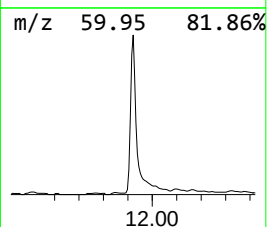
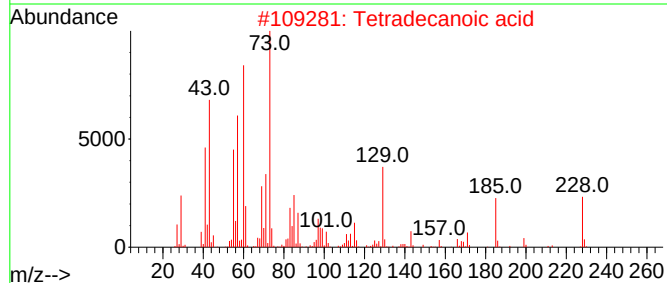
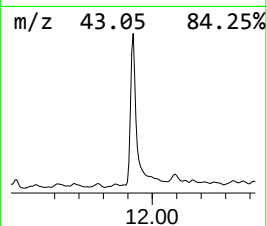
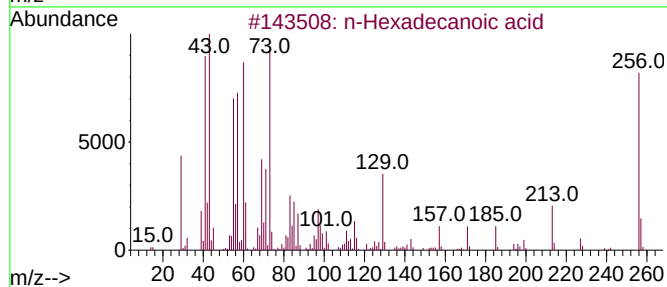
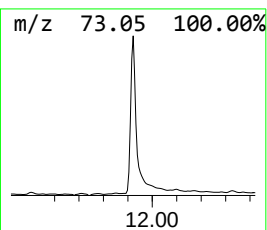
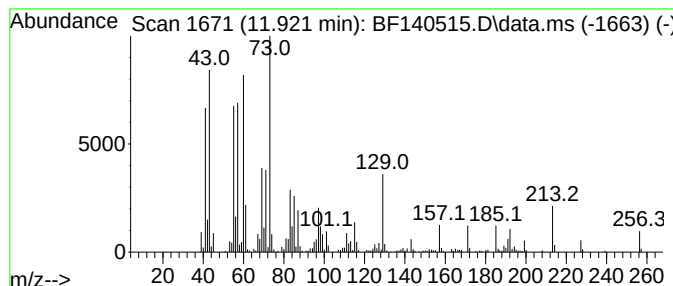
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	14.06 ng	571498	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	94
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tridecanoic acid	214	C13H26O2	000638-53-9	90
5			n-Decanoic acid	172	C10H20O2	000334-48-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

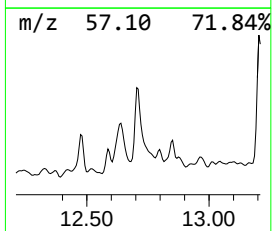
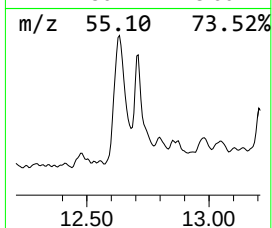
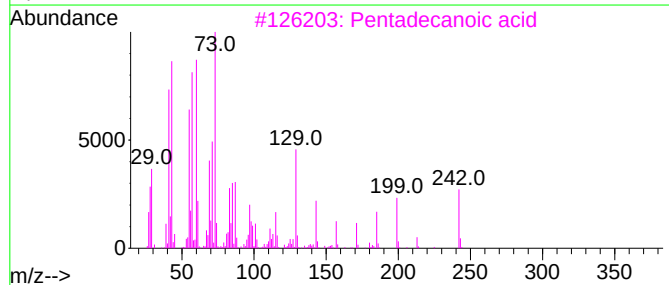
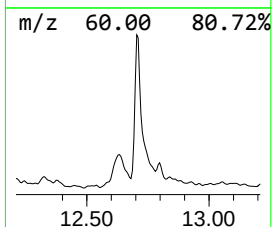
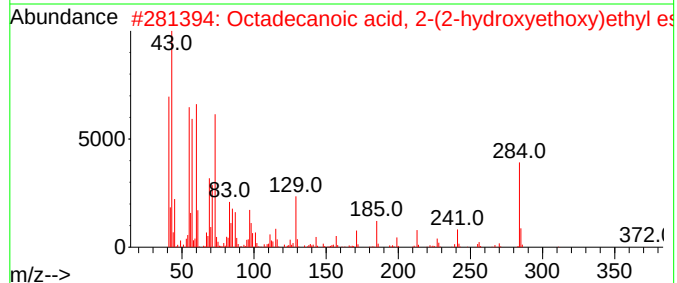
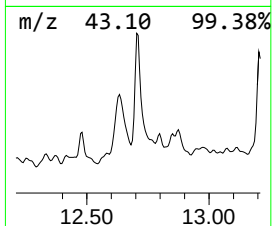
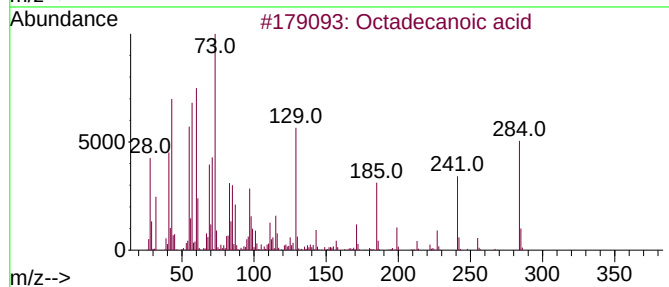
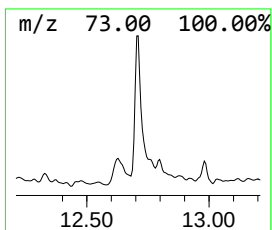
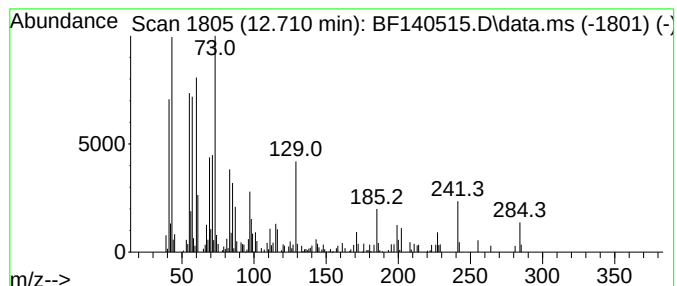
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.710	3.44 ng	139840	Phenanthrene-d10	11.398

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	87
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4			Tridecanoic acid	214	C13H26O2	000638-53-9	62
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

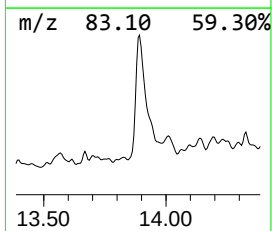
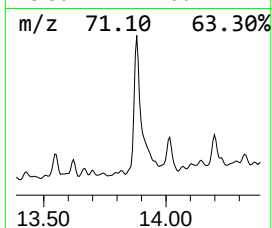
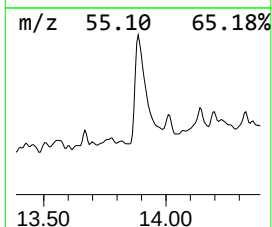
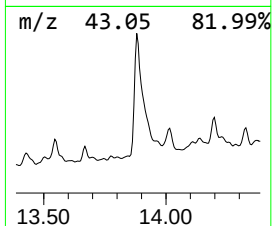
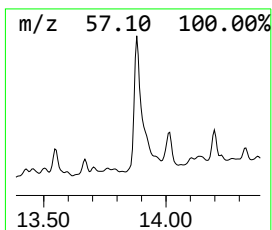
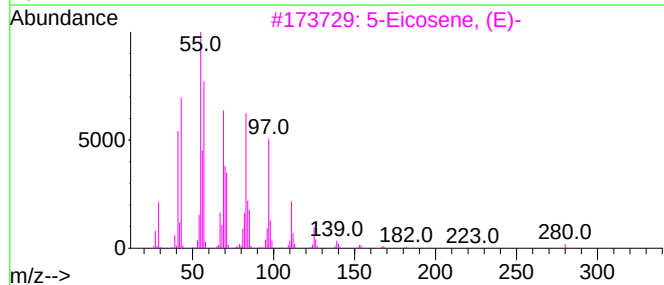
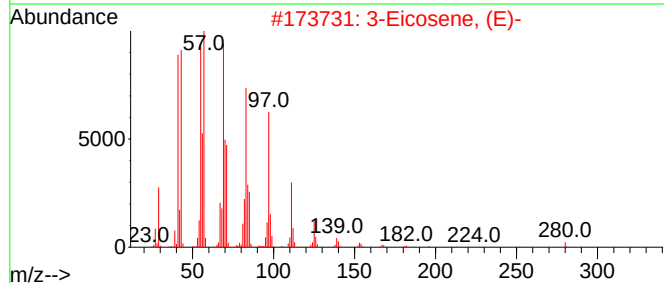
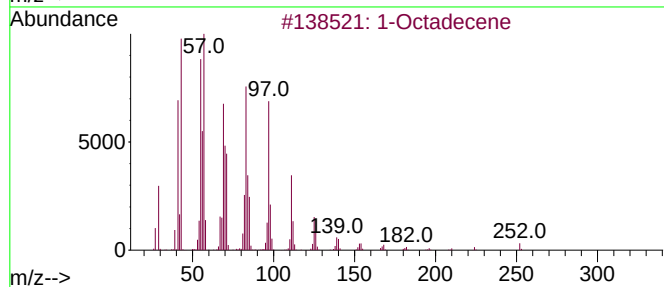
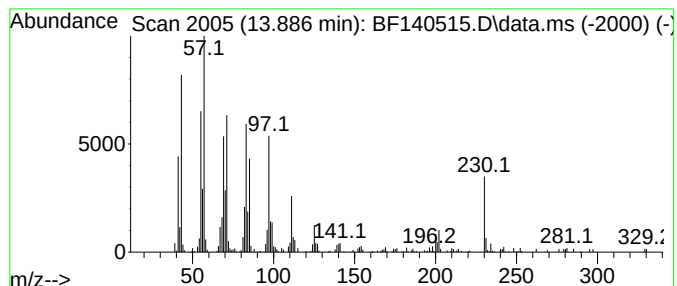
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Octadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	5.53 ng	238982	Chrysene-d12	14.045

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecene	252	C18H36	000112-88-9	95
2			3-Eicosene, (E)-	280	C20H40	074685-33-9	95
3			5-Eicosene, (E)-	280	C20H40	074685-30-6	94
4			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	89
5			Oxalic acid, octadecyl propyl ester	384	C23H44O4	1000309-27-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Sample : P4822-12
Misc :
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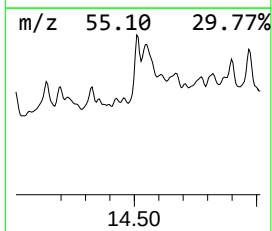
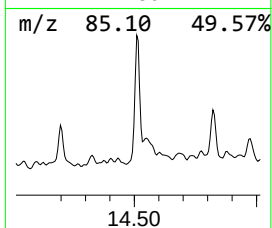
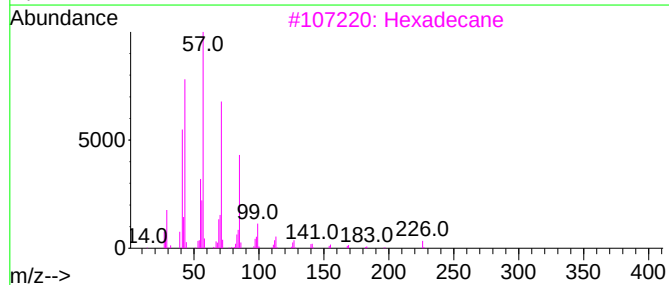
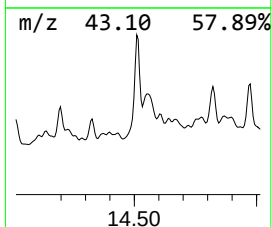
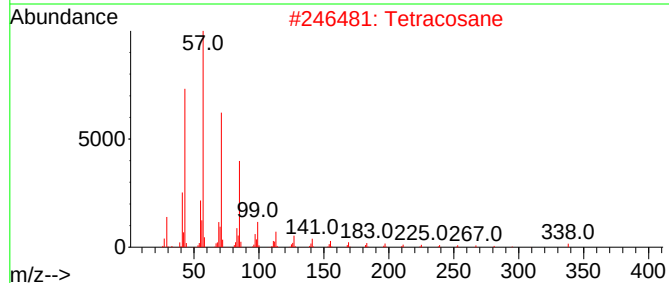
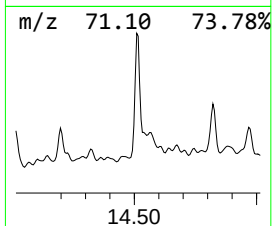
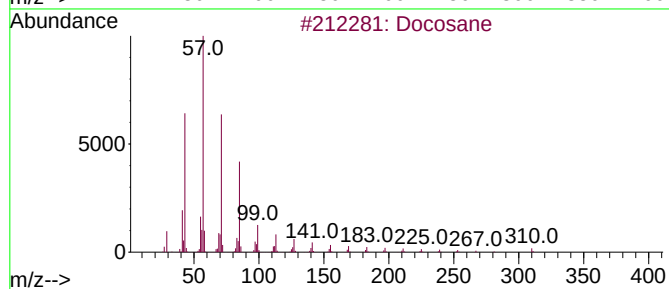
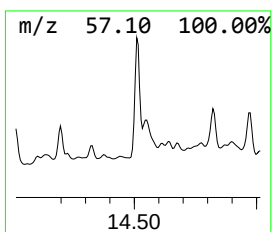
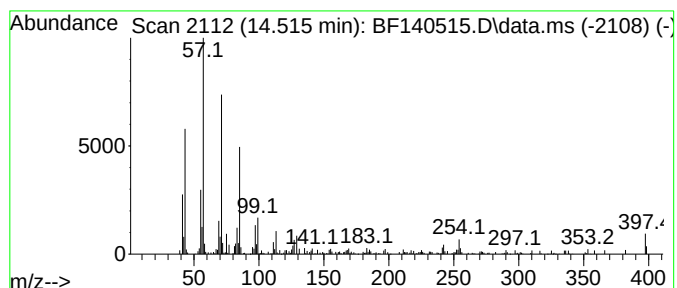
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Docosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.515	2.07 ng	89468	Chrysene-d12	14.045	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	96
2	Tetracosane	338	C24H50	000646-31-1	93
3	Hexadecane	226	C16H34	000544-76-3	87
4	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	83
5	Octadecane	254	C18H38	000593-45-3	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
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Sample : P4822-12
Misc :
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Instrument :
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ClientSampleId :
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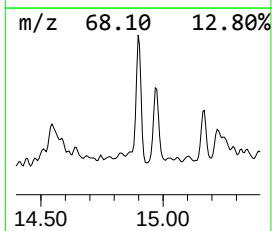
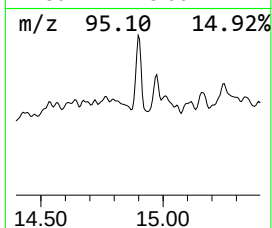
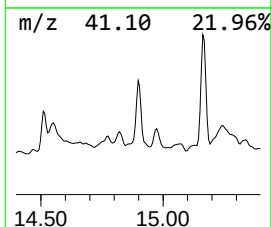
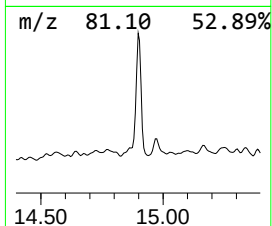
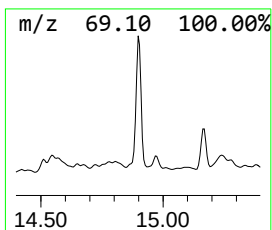
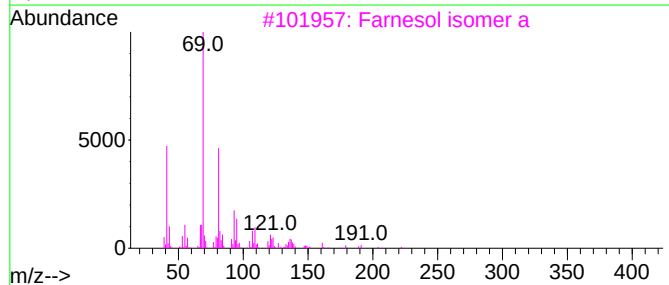
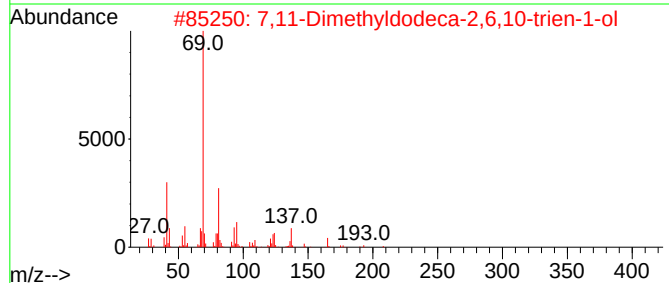
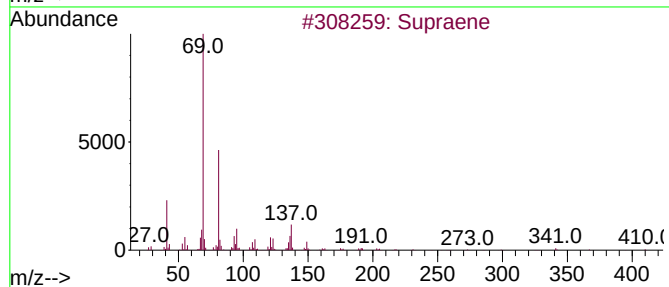
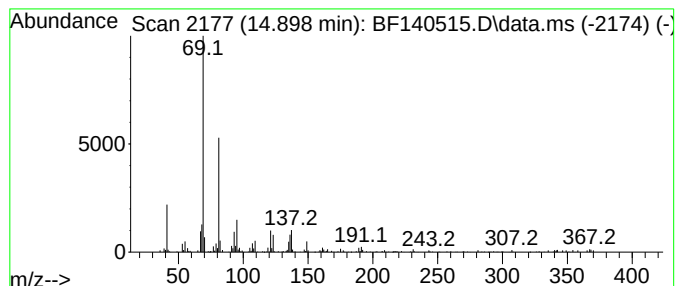
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Supraene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	4.09 ng	112482	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	90
2			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
3			Farnesol isomer a	222	C15H26O	1000108-92-4	64
4			Trideca-1,3,7,11-tetraene-1,1-di...	268	C18H24N2	1000159-88-9	59
5			5,9,13-Pentadecatrien-2-one, 6,1...	262	C18H30O	001117-52-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Misc :
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ClientSampleId :
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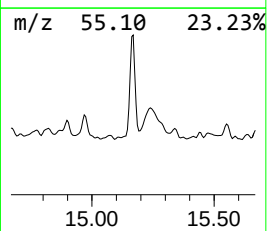
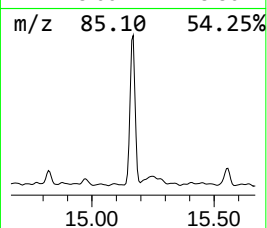
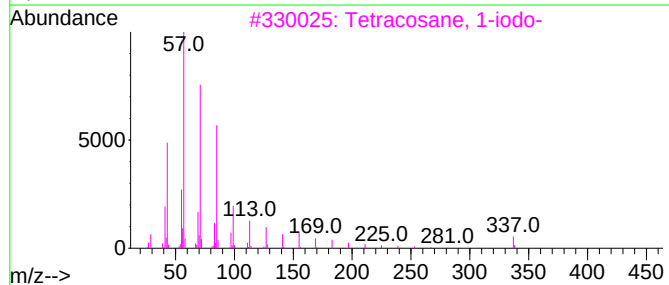
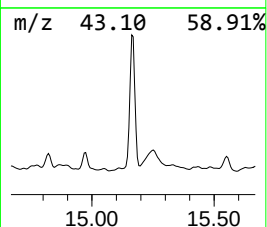
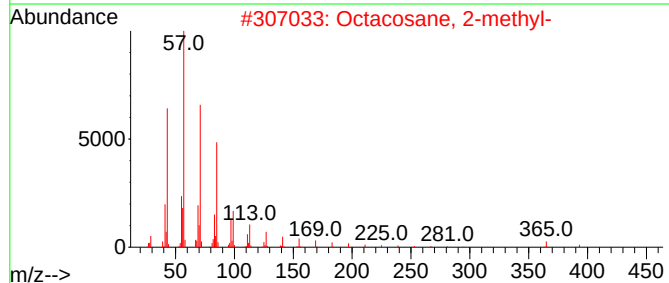
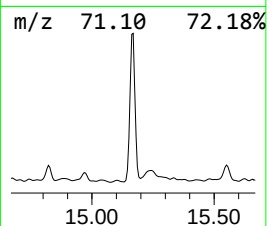
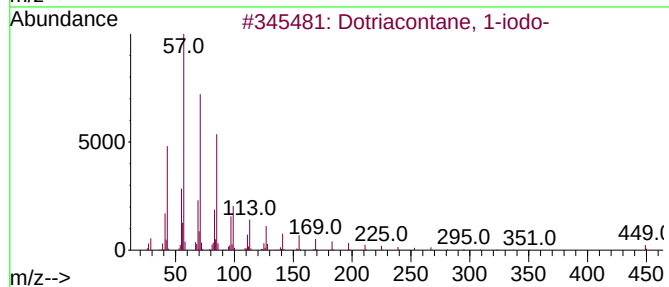
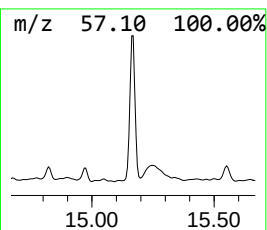
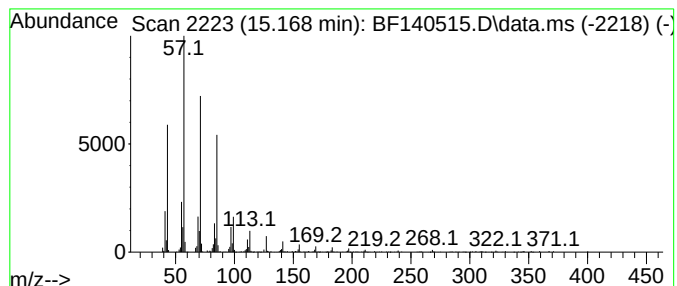
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dotriacontane, 1-iodo- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	11.07 ng	304191	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
2			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
3			Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	91
4			Octacosane	394	C28H58	000630-02-4	91
5			Tetracosane	338	C24H50	000646-31-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
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Sample : P4822-12
Misc :
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Instrument :
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ClientSampleId :
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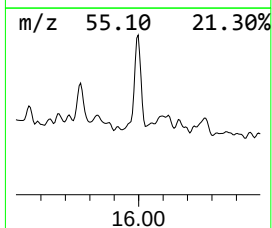
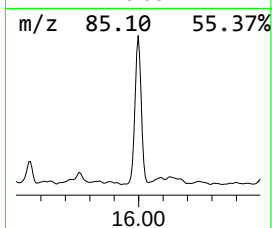
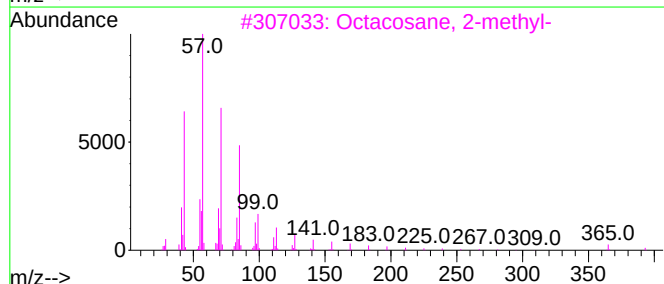
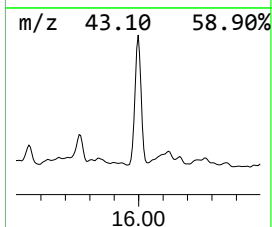
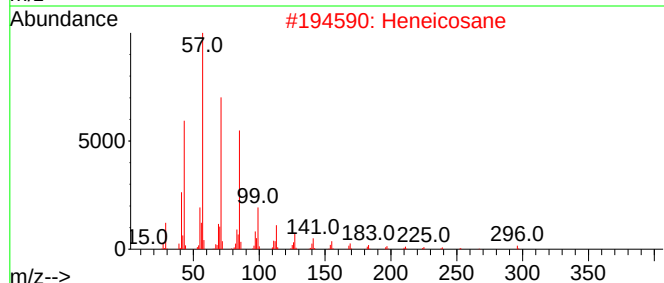
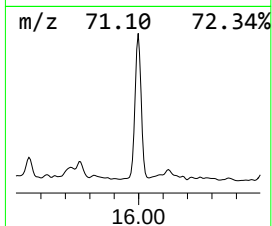
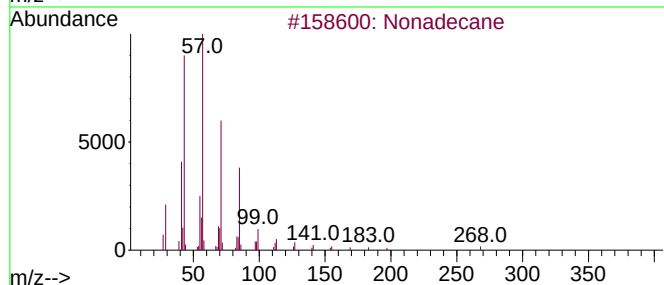
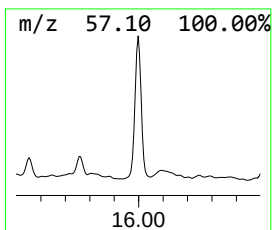
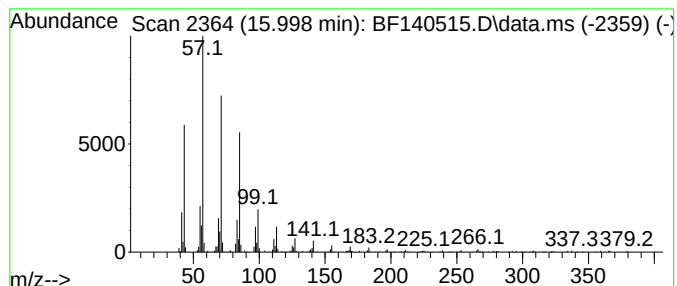
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.998	10.04 ng	275960	Perylene-d12	15.545

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane	268	C19H40	000629-92-5	95
2		Heneicosane	296	C21H44	000629-94-7	91
3		Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4		Tetracosane	338	C24H50	000646-31-1	91
5		Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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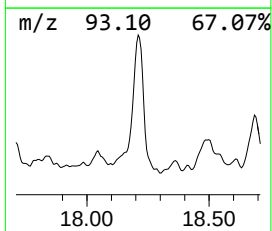
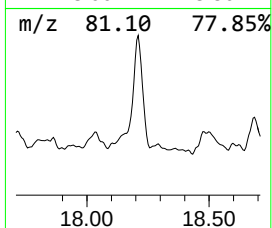
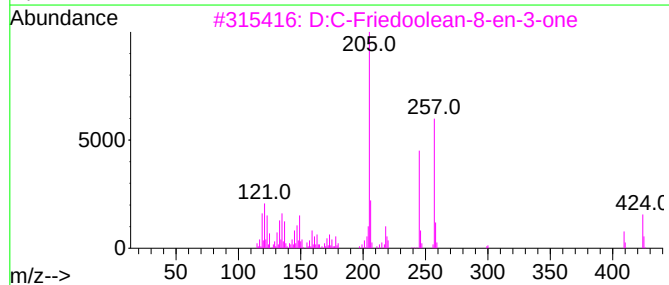
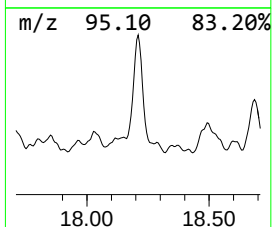
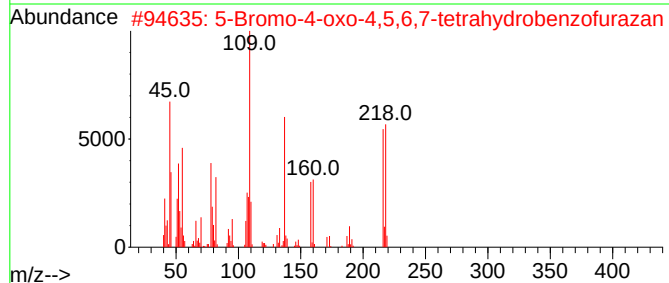
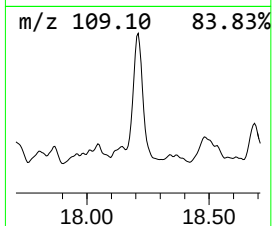
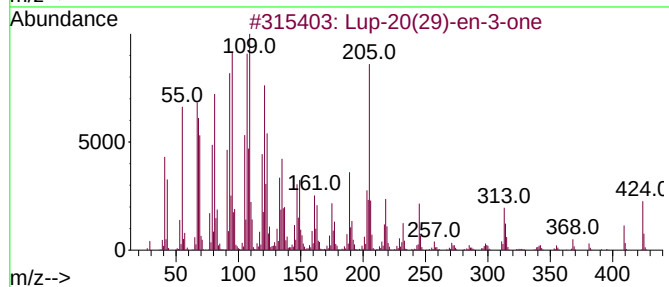
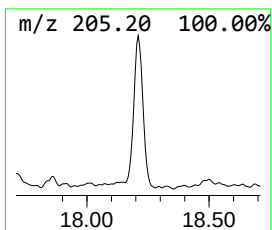
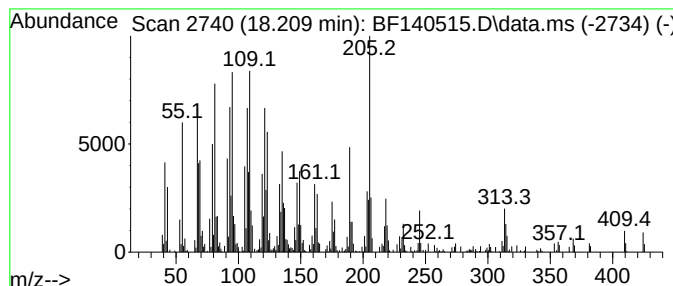
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Lup-20(29)-en-3-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.209	16.92 ng	465006	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Lup-20(29)-en-3-one	424	C30H48O	001617-70-5	99
2	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	91
3	D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	74
4	2,6,6,9,2',6',6',9'-Octamethyl-[...]	410	C30H50	1000189-48-2	53
5	1-Isopropenyl-4,5-dimethylbicycl...	330	C21H30O5	1000195-85-4	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
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Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

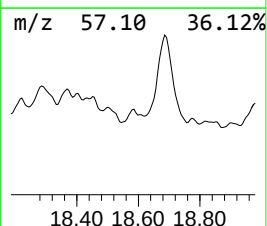
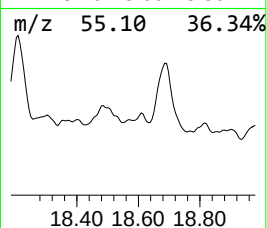
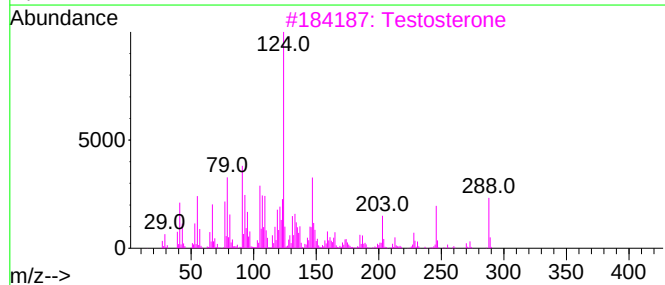
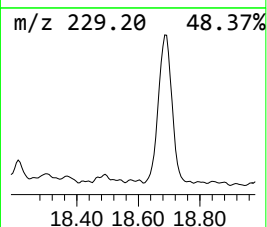
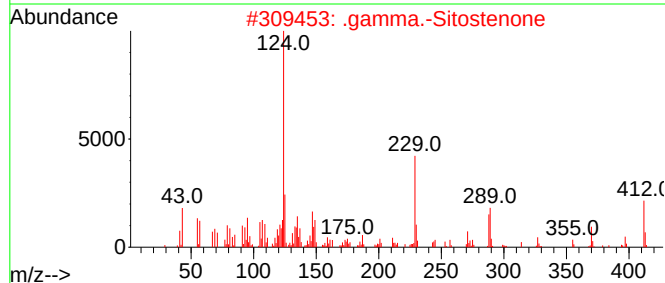
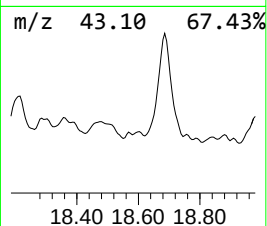
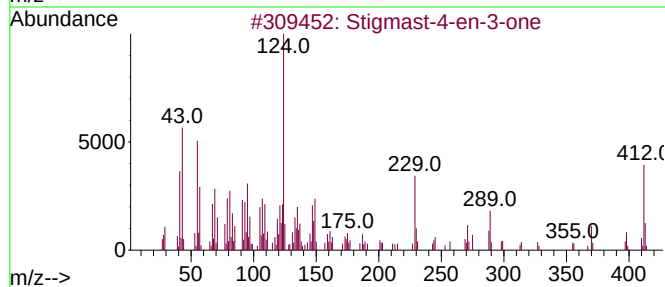
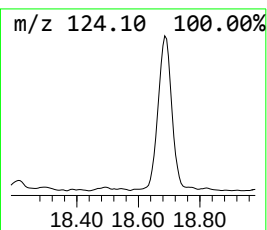
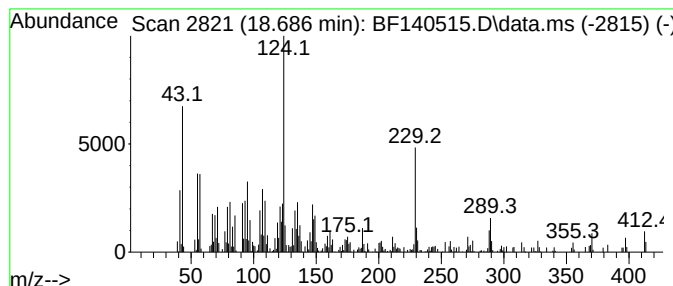
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Stigmast-4-en-3-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.686	14.56 ng	400307	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmast-4-en-3-one	412	C29H48O	001058-61-3	93
2			.gamma.-Sitostenone	412	C29H48O	084924-96-9	91
3			Testosterone	288	C19H28O2	000058-22-0	87
4			Testosterone cypionate	412	C27H40O3	000058-20-8	50
5			Cardoltriene	314	C21H30O2	079473-24-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140515.D
Acq On : 20 Nov 2024 22:13
Operator : RC/JU
Sample : P4822-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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	46.8	ng	1466270	1	6.875	627102	20.0
Benzophenone	10.622	13.6	ng	478134	3	9.910	701959	20.0
Methanone, (1-h...	10.927	2.1	ng	85012	4	11.398	812921	20.0
n-Hexadecanoic ...	11.922	14.1	ng	571498	4	11.398	812921	20.0
Octadecanoic acid	12.710	3.4	ng	139840	4	11.398	812921	20.0
1-Octadecene	13.886	5.5	ng	238982	5	14.045	865001	20.0
Docosane	14.515	2.1	ng	89468	5	14.045	865001	20.0
Supraene	14.898	4.1	ng	112482	6	15.545	549810	20.0
Dotriacontane, ...	15.168	11.1	ng	304191	6	15.545	549810	20.0
Nonadecane	15.998	10.0	ng	275960	6	15.545	549810	20.0
Lup-20(29)-en-3...	18.209	16.9	ng	465006	6	15.545	549810	20.0
Stigmast-4-en-3...	18.686	14.6	ng	400307	6	15.545	549810	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 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)

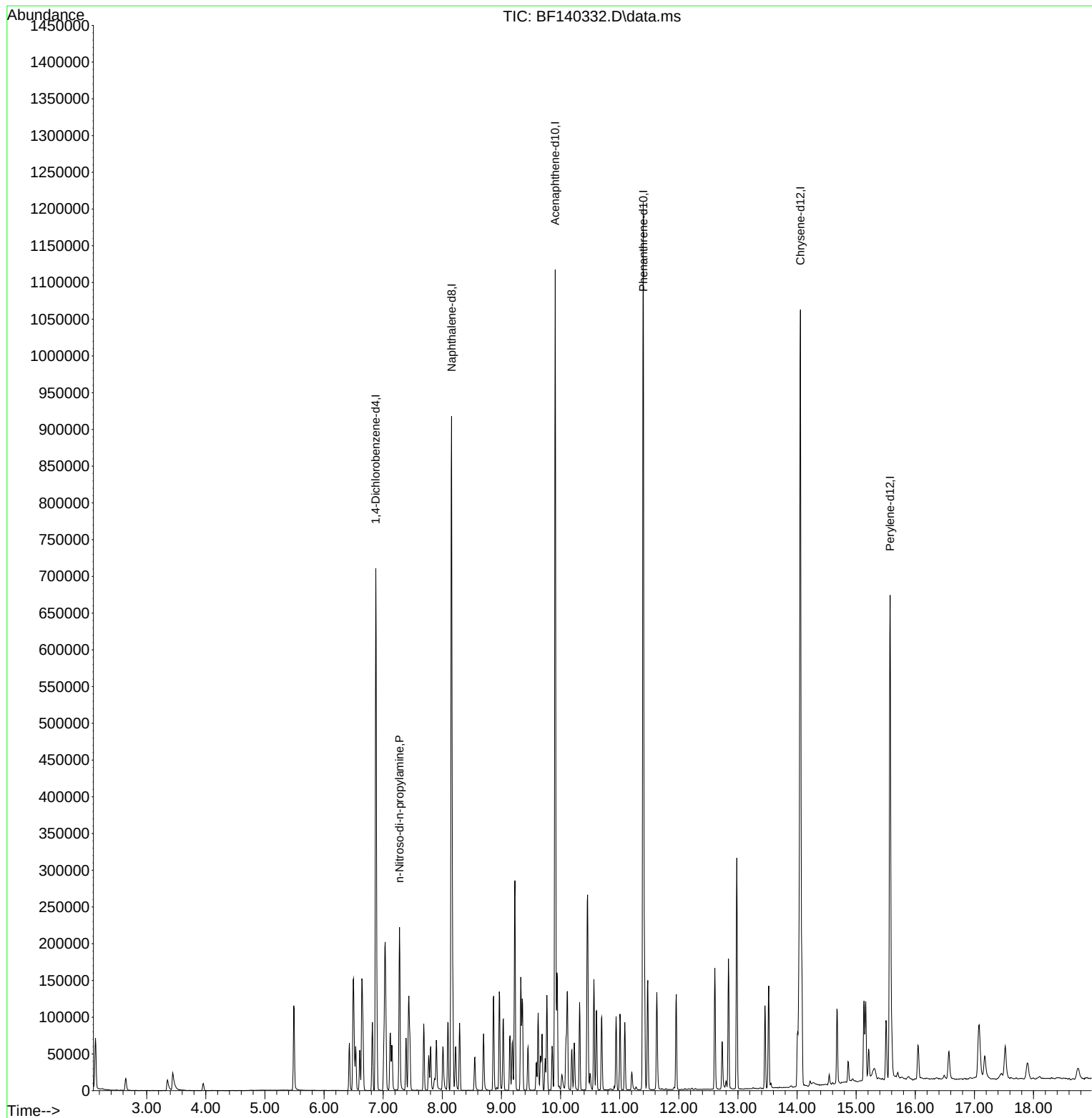
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147206	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	569357	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	324094	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	631650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	473843	20.000	ng	0.00
86) Perylene-d12	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						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	18995	2.692	ng	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

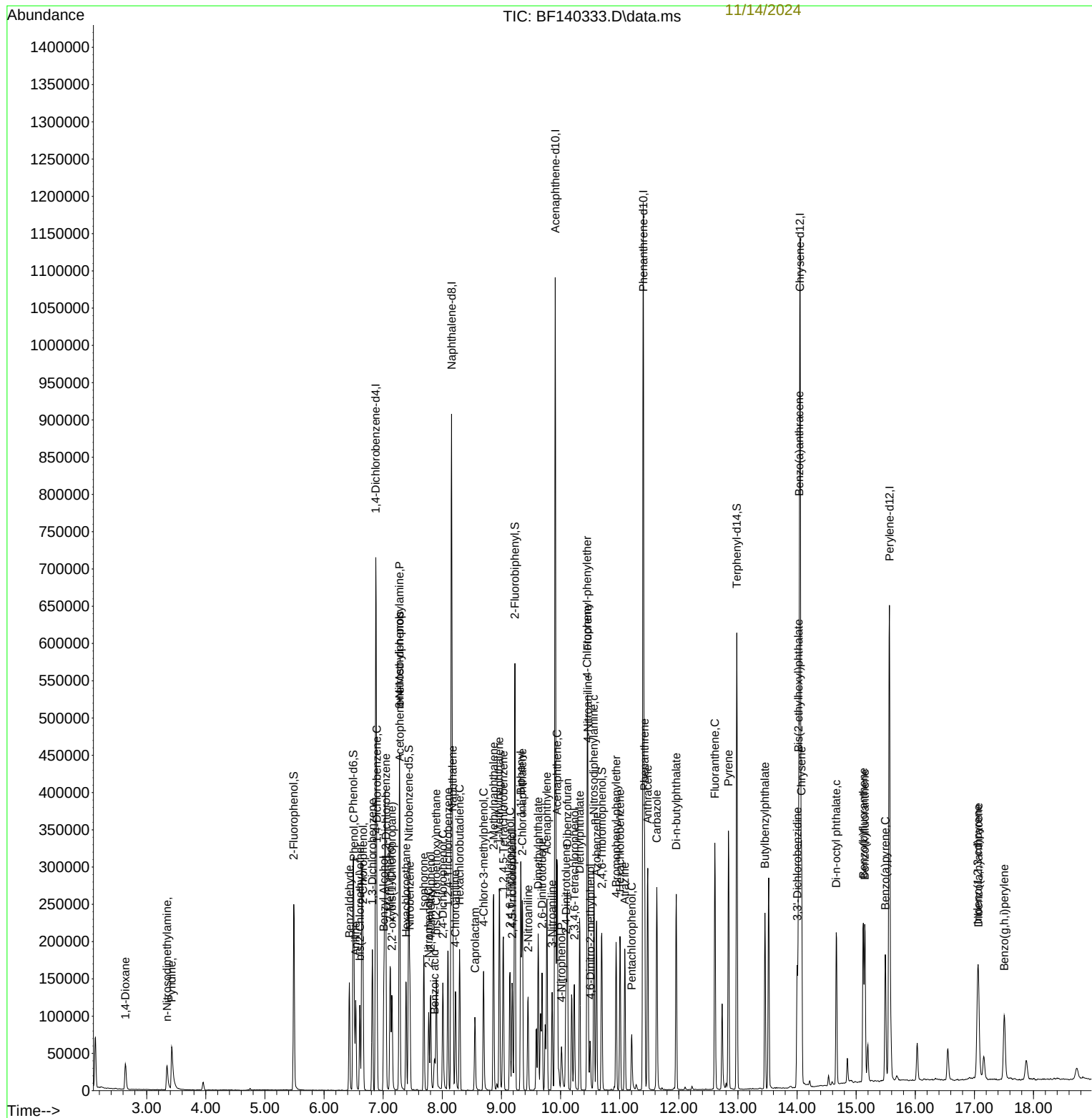
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

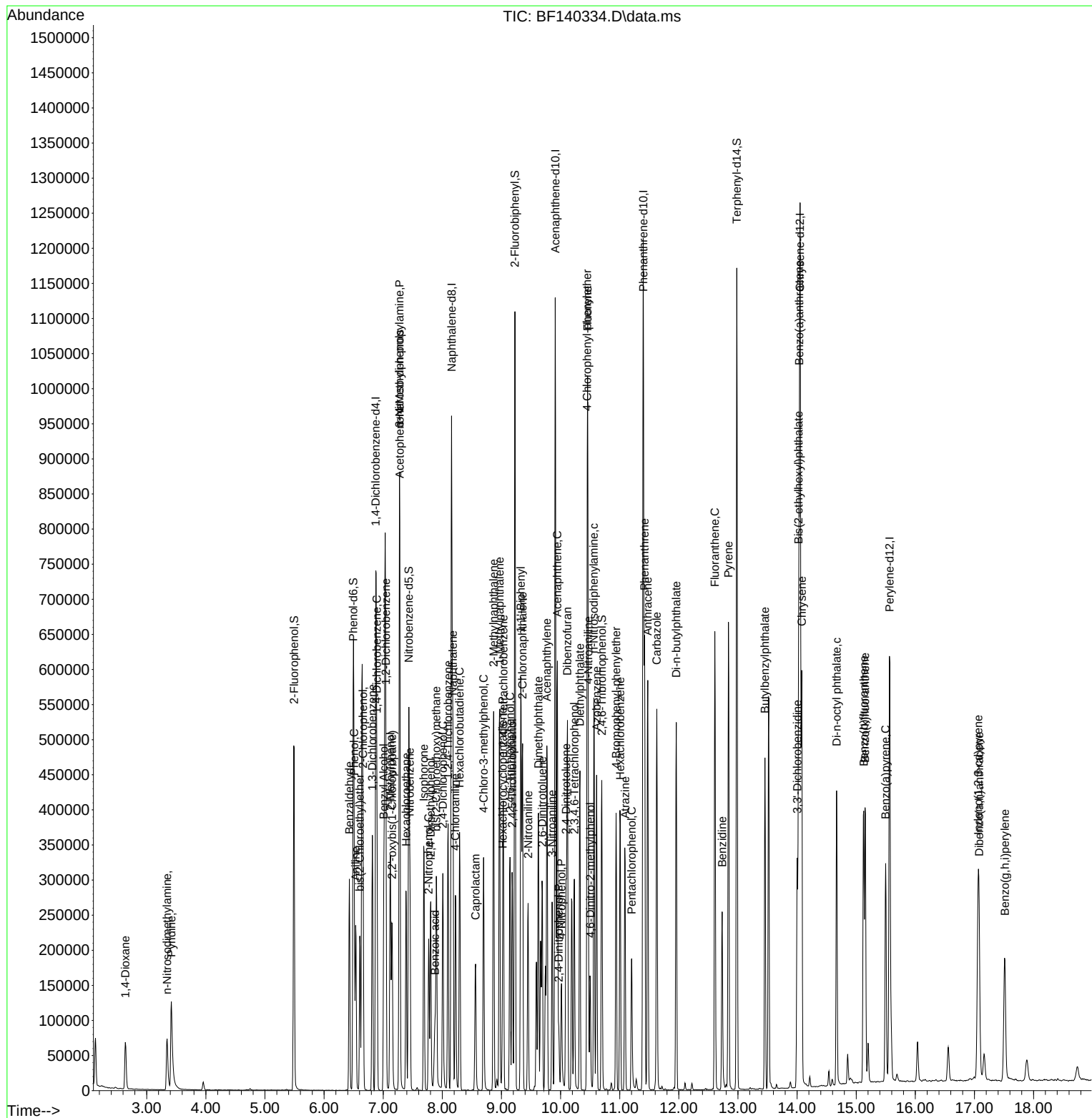
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
 Data File : BF140334.D
 Acq On : 13 Nov 2024 09:53
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

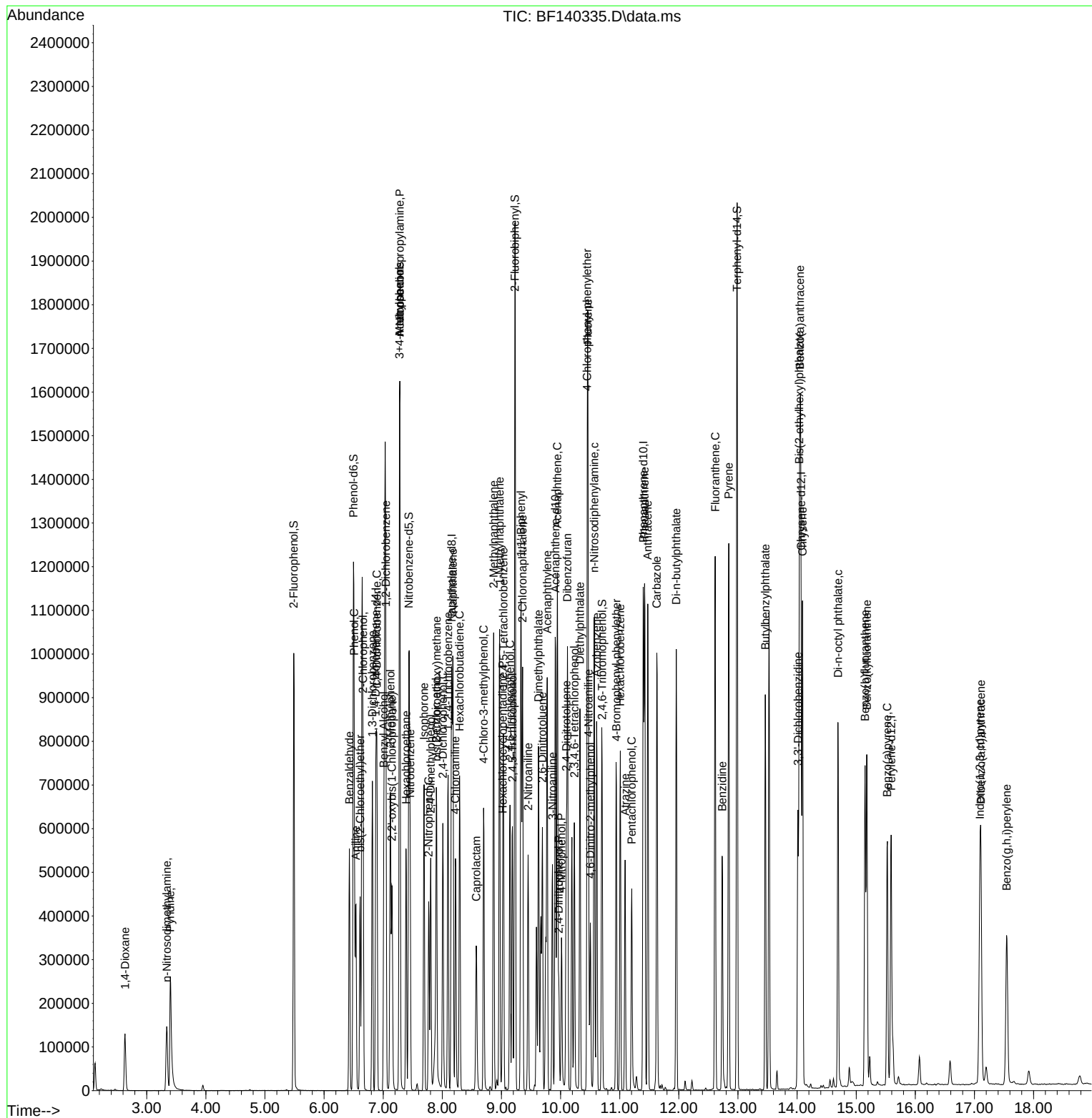
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	132413	20.789	ng	98
46) 1,1'-Biphenyl	9.333	154	502252	21.506	ng	99
47) 2-Chloronaphthalene	9.357	162	368985	20.741	ng	99
48) 2-Nitroaniline	9.451	65	123220	20.885	ng	98
49) Acenaphthylene	9.775	152	573335	21.301	ng	99
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

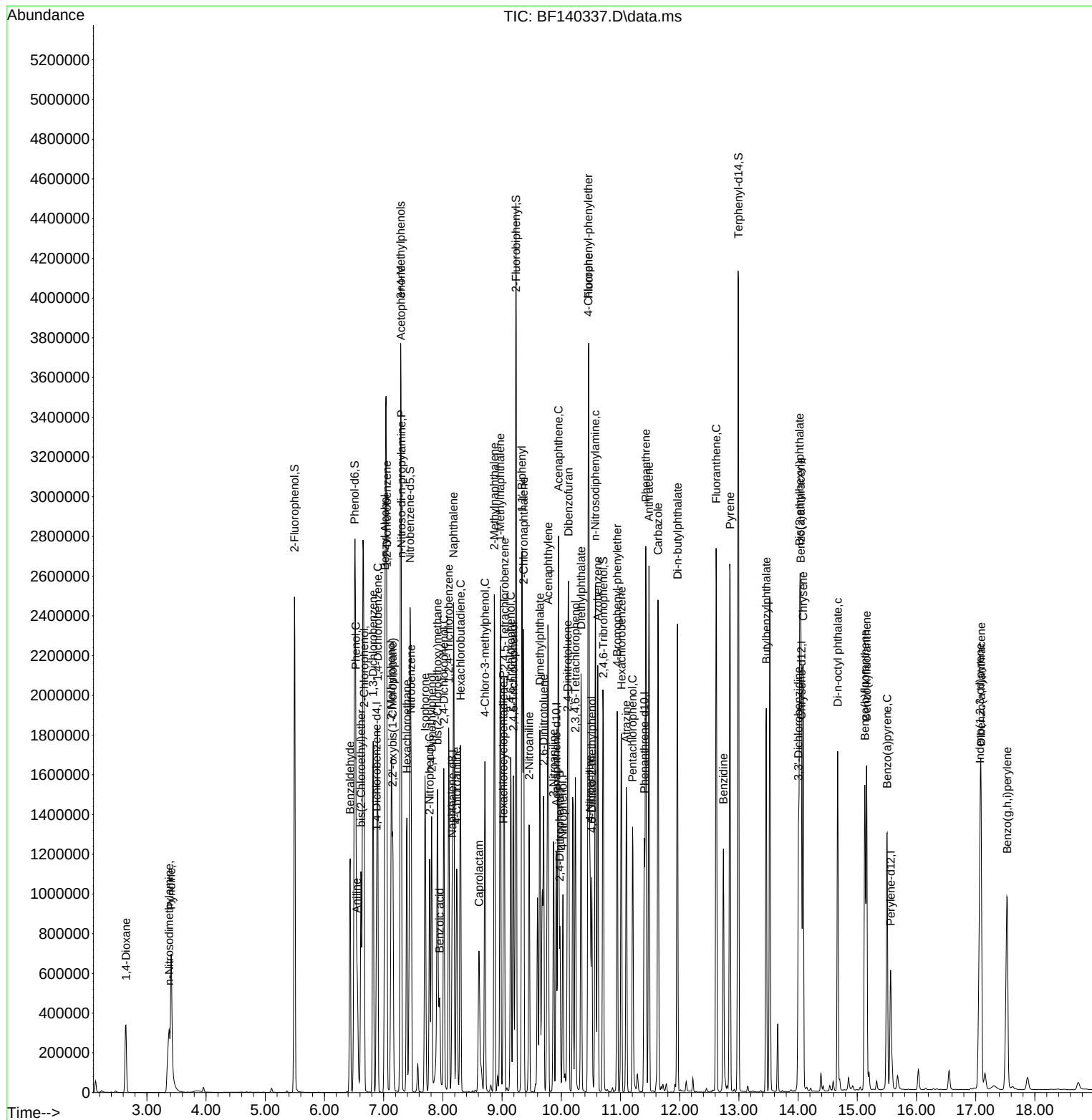
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	344237	48.773	ng	98
46) 1,1'-Biphenyl	9.334	154	1216913	47.025	ng	99
47) 2-Chloronaphthalene	9.363	162	945855	47.981	ng	99
48) 2-Nitroaniline	9.457	65	324847	49.689	ng	98
49) Acenaphthylene	9.781	152	1406468	47.156	ng	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

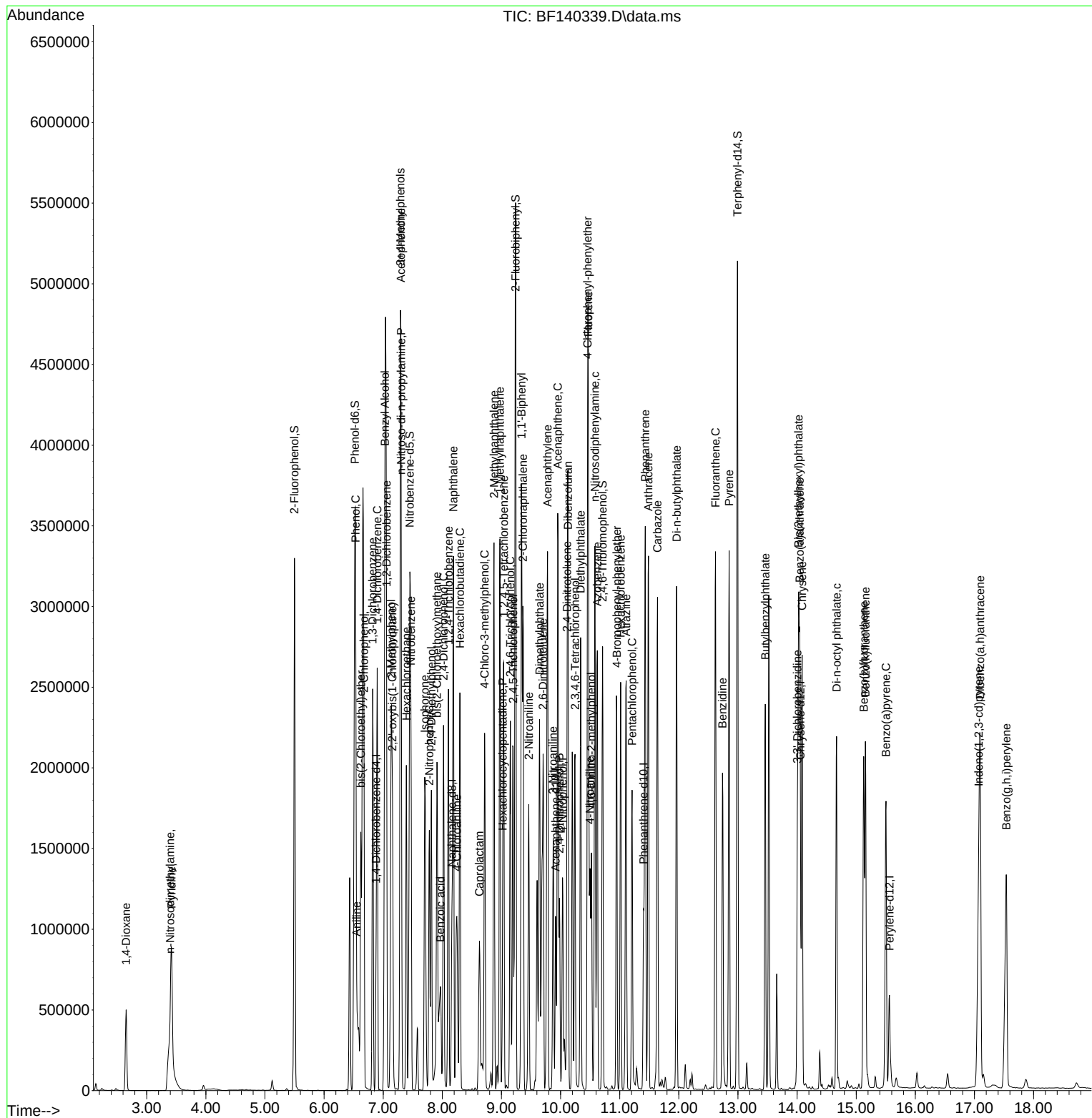
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTIDCC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

[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

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	Benzydine	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
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\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)
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

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)
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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: BNA_F Calibration Date(s): 11/21/2024 11/21/2024
 Calibration Time(s): 11:13 14:18

LAB FILE ID:		RRF2.5 = BF140528.D			RRF005 = BF140529.D		RRF010 = BF140530.D	
		RRF020 = BF140531.D			RRF040 = BF140532.D		RRF050 = BF140533.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.261	1.233	1.202	1.174	1.117	1.172	5.4
Benzaldehyde			1.007	0.970	0.738	0.752	0.820	19.6
Phenol-d6		1.729	1.617	1.559	1.602	1.465	1.550	7.1
Phenol		1.723	1.648	1.620	1.667	1.514	1.583	7.0
bis(2-Chloroethyl) ether		1.292	1.242	1.214	1.246	1.146	1.211	4.6
2-Chlorophenol		1.385	1.328	1.278	1.283	1.201	1.261	6.5
2-Methylphenol		1.121	1.034	1.033	1.042	0.956	1.010	6.7
2,2-oxybis(1-Chloropropane)		1.650	1.480	1.434	1.463	1.335	1.431	8.4
Acetophenone		0.536	0.511	0.494	0.481	0.463	0.488	5.7
3+4-Methylphenols		1.495	1.362	1.305	1.347	1.211	1.298	9.0
n-Nitroso-di-n-propylamine	0.972	1.002	0.949	0.916	0.946	0.856	0.916	6.8
Nitrobenzene-d5		0.409	0.403	0.395	0.392	0.377	0.391	3.2
Hexachloroethane		0.598	0.545	0.549	0.537	0.514	0.536	6.2
Nitrobenzene		0.439	0.409	0.409	0.401	0.388	0.404	4.3
Isophorone		0.694	0.654	0.657	0.662	0.629	0.652	3.4
2-Nitrophenol		0.178	0.172	0.185	0.180	0.178	0.179	2.2
2,4-Dimethylphenol		0.221	0.214	0.213	0.224	0.204	0.214	3.4
bis(2-Chloroethoxy) methane		0.428	0.408	0.403	0.397	0.378	0.397	4.4
2,4-Dichlorophenol		0.301	0.291	0.290	0.282	0.277	0.284	3.8
Naphthalene		1.116	1.075	1.062	1.013	0.993	1.030	5.3
4-Chloroaniline		0.308	0.318	0.309	0.325	0.303	0.308	3.7
Hexachlorobutadiene		0.227	0.225	0.219	0.212	0.209	0.215	4.2
Caprolactam		0.091	0.091	0.091	0.090	0.085	0.088	4.0
4-Chloro-3-methylphenol		0.348	0.318	0.317	0.327	0.307	0.318	5.0
2-Methylnaphthalene		0.724	0.680	0.669	0.650	0.623	0.654	6.1
Hexachlorocyclopentadiene			0.055	0.090	0.114	0.121	0.107	27.8
2,4,6-Trichlorophenol		0.384	0.358	0.375	0.366	0.364	0.367	2.5
2-Fluorobiphenyl		1.550	1.402	1.423	1.291	1.255	1.342	8.9
2,4,5-Trichlorophenol		0.402	0.396	0.410	0.404	0.390	0.399	1.8
1,1-Biphenyl		1.666	1.530	1.563	1.447	1.427	1.493	6.5
2-Chloronaphthalene		1.251	1.145	1.162	1.106	1.082	1.131	5.4
2-Nitroaniline		0.367	0.351	0.379	0.367	0.363	0.363	2.5
Dimethylphthalate		1.455	1.329	1.346	1.299	1.267	1.317	5.3
Acenaphthylene		1.890	1.765	1.808	1.662	1.628	1.710	6.6

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: BAPS03
 Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822
 Instrument ID: BNA_F Calibration Date(s): 11/21/2024 11/21/2024
 Calibration Time(s): 11:13 14:18

LAB FILE ID:		RRF2.5 = BF140528.D			RRF005 = BF140529.D		RRF010 = BF140530.D	
		RRF020 = BF140531.D			RRF040 = BF140532.D		RRF050 = BF140533.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.314	0.299	0.307	0.301	0.291	0.299	3.2
3-Nitroaniline		0.307	0.297	0.309	0.300	0.289	0.292	5.7
Acenaphthene		1.182	1.110	1.134	1.063	1.052	1.086	5.3
2,4-Dinitrophenol			0.057	0.089	0.140	0.145	0.122	32.7
4-Nitrophenol			0.160	0.195	0.207	0.212	0.199	10.3
Dibenzofuran		1.898	1.739	1.739	1.622	1.559	1.657	8.5
2,4-Dinitrotoluene		0.403	0.403	0.416	0.404	0.386	0.397	3.2
Diethylphthalate		1.495	1.375	1.393	1.311	1.292	1.338	6.7
4-Chlorophenyl-phenylether		0.739	0.682	0.685	0.639	0.619	0.653	7.9
Fluorene		1.509	1.409	1.399	1.295	1.263	1.330	8.4
4-Nitroaniline		0.307	0.301	0.315	0.312	0.310	0.306	2.7
4,6-Dinitro-2-methylphenol			0.073	0.090	0.110	0.110	0.102	16.7
n-Nitrosodiphenylamine		0.632	0.618	0.597	0.578	0.577	0.591	4.4
2,4,6-Tribromophenol		0.222	0.209	0.220	0.216	0.210	0.214	2.5
4-Bromophenyl-phenylether		0.218	0.215	0.206	0.200	0.200	0.206	3.8
Hexachlorobenzene		0.257	0.240	0.239	0.233	0.232	0.238	3.7
Atrazine		0.181	0.171	0.131	0.140	0.147	0.166	16.4
Pentachlorophenol			0.071	0.090	0.116	0.115	0.105	19.2
Phenanthrene		1.074	1.020	0.970	0.944	0.925	0.961	6.9
Anthracene		1.038	0.994	0.958	0.925	0.905	0.940	6.5
Carbazole		1.004	0.949	0.930	0.889	0.876	0.905	6.7
Di-n-butylphthalate		1.144	1.075	1.074	1.023	1.021	1.044	5.6
Fluoranthene		1.186	1.111	1.114	1.014	0.999	1.044	9.1
Pyrene		1.905	1.801	1.897	1.853	1.791	1.849	2.8
Terphenyl-d14		1.351	1.254	1.308	1.283	1.228	1.284	3.3
Butylbenzylphthalate		0.676	0.644	0.694	0.679	0.655	0.666	3.0
3,3-Dichlorobenzidine		0.375	0.383	0.393	0.413	0.406	0.397	4.0
Benzo (a) anthracene		1.409	1.319	1.379	1.286	1.295	1.324	4.3
Chrysene		1.354	1.263	1.218	1.201	1.137	1.211	6.5
Bis (2-ethylhexyl) phthalate		0.904	0.828	0.862	0.833	0.824	0.841	4.0
Di-n-octyl phthalate		1.198	1.133	1.147	1.132	1.147	1.150	2.3
Benzo (b) fluoranthene		1.347	1.256	1.380	1.186	1.248	1.256	6.4
Benzo (k) fluoranthene		1.243	1.236	1.059	1.101	1.022	1.099	9.3
Benzo (a) pyrene		1.062	1.050	1.063	1.007	0.998	1.021	3.8
Indeno (1,2,3-cd) pyrene		1.209	1.283	1.299	1.304	1.306	1.303	4.5

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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date(s): 11/21/2024 11/21/2024

Calibration Time(s): 11:13 14:18

LAB FILE ID:		RRF2.5 = BF140528.D		RRF005 = BF140529.D		RRF010 = BF140530.D		
		RRF020 = BF140531.D		RRF040 = BF140532.D		RRF050 = BF140533.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.015	1.038	1.063	1.068	1.075	1.067	3.9
Benzo (g,h,i) perylene		1.033	1.090	1.078	1.085	1.094	1.089	3.5
1,2,4,5-Tetrachlorobenzene		0.635	0.604	0.606	0.563	0.561	0.586	5.0
1,4-Dioxane		0.501	0.502	0.576	0.489	0.452	0.493	8.5
2,3,4,6-Tetrachlorophenol		0.307	0.296	0.308	0.312	0.305	0.306	1.7

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-BF112124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 21 15:23:48 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF140535.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.501	0.502	0.576	0.489	0.452	0.454	0.477	0.493		8.46
3)	Pyridine	0.981	1.019	1.121	1.192	1.062	1.087	1.128	1.084		6.54
4)	n-Nitrosodimet...	0.616	0.611	0.661	0.648	0.632	0.632	0.660	0.637		3.15
5) S	2-Fluorophenol	1.261	1.233	1.202	1.174	1.117	1.127	1.091	1.172		5.40
6)	Aniline	1.159	1.195	1.133	1.251	1.042	1.020	0.835	1.091		12.73
7) S	Phenol-d6	1.729	1.617	1.559	1.602	1.465	1.470	1.407	1.550		7.14
8)	2-Chlorophenol	1.385	1.328	1.278	1.283	1.201	1.208	1.145	1.261		6.51
9)	Benzaldehyde		1.007	0.970	0.738	0.752	0.635		0.820		19.55
10) C	Phenol	1.723	1.648	1.620	1.667	1.514	1.490	1.417	1.583		6.98
11)	bis(2-Chloroet...	1.292	1.242	1.214	1.246	1.146	1.200	1.138	1.211		4.56
12)	1,3-Dichlorobe...	1.600	1.493	1.433	1.399	1.345	1.361	1.288	1.417		7.31
13) C	1,4-Dichlorobe...	1.613	1.501	1.456	1.428	1.358	1.372	1.314	1.435		7.04
14)	1,2-Dichlorobe...	1.503	1.434	1.375	1.355	1.268	1.266	1.210	1.344		7.71
15)	Benzyl Alcohol	1.234	1.174	1.161	1.224	1.113	1.090	1.048	1.149		5.98
16)	2,2'-oxybis(1-...	1.650	1.480	1.434	1.463	1.335	1.377	1.276	1.431		8.43
17)	2-Methylphenol	1.121	1.034	1.033	1.042	0.956	0.959	0.922	1.009		6.74
18)	Hexachloroethane	0.598	0.545	0.549	0.537	0.514	0.510	0.499	0.536		6.17
19) P	n-Nitroso-di-n...	0.972	1.002	0.949	0.916	0.946	0.856	0.857	0.829	0.916	6.82
20)	3+4-Methylphenols	1.495	1.362	1.305	1.347	1.211	1.209	1.154	1.298		8.98
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.536	0.511	0.494	0.481	0.463	0.460	0.468	0.488		5.75
23) S	Nitrobenzene-d5	0.409	0.403	0.395	0.392	0.377	0.377	0.383	0.391		3.21
24)	Nitrobenzene	0.439	0.409	0.409	0.401	0.388	0.391	0.392	0.404		4.35
25)	Isophorone	0.694	0.654	0.657	0.662	0.629	0.634	0.635	0.652		3.44
26) C	2-Nitrophenol	0.178	0.172	0.185	0.180	0.178	0.180	0.180	0.179		2.17
27)	2,4-Dimethylph...	0.221	0.214	0.213	0.224	0.204	0.207	0.218	0.214		3.40
28)	bis(2-Chloroet...	0.428	0.408	0.403	0.397	0.378	0.384	0.383	0.397		4.37
29) C	2,4-Dichloroph...	0.301	0.291	0.290	0.282	0.277	0.274	0.271	0.284		3.82
30)	1,2,4-Trichlor...	0.342	0.338	0.332	0.317	0.317	0.312	0.312	0.324		3.91
31)	Naphthalene	1.116	1.075	1.062	1.013	0.993	0.983	0.970	1.030		5.32
32)	Benzoic acid		0.101	0.126	0.177	0.185	0.192	0.202	0.164		24.72
33)	4-Chloroaniline	0.308	0.318	0.309	0.325	0.303	0.308	0.289	0.308		3.71
34) C	Hexachlorobuta...	0.227	0.225	0.219	0.212	0.209	0.207	0.204	0.215		4.15
35)	Caprolactam	0.091	0.091	0.091	0.090	0.085	0.085	0.083	0.088		3.99
36) C	4-Chloro-3-met...	0.348	0.318	0.317	0.327	0.307	0.307	0.301	0.318		4.95
37)	2-Methylnaphth...	0.724	0.680	0.669	0.650	0.623	0.620	0.615	0.654		6.09
38)	1-Methylnaphth...	0.707	0.665	0.659	0.638	0.611	0.608	0.601	0.641		5.98

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF112124.M

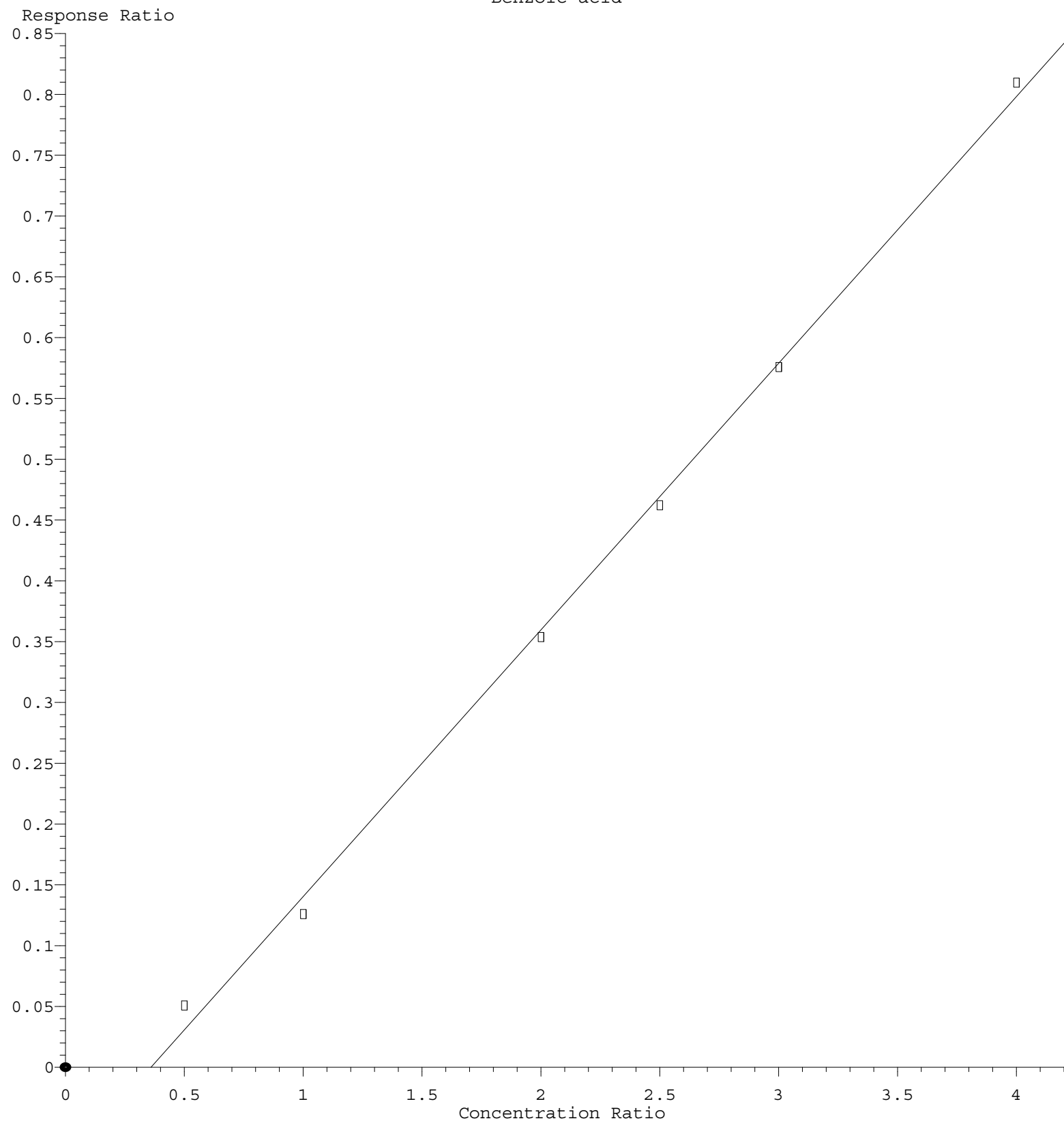
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.635	0.604	0.606	0.563	0.561	0.565	0.565	0.586	5.02	
41) P	Hexachlorocycl...	0.055	0.090	0.114	0.121	0.129	0.133	0.107	27.80		
42) S	2,4,6-Tribromo...	0.222	0.209	0.220	0.216	0.210	0.210	0.211	0.214	2.52	
43) C	2,4,6-Trichlor...	0.384	0.358	0.375	0.366	0.364	0.360	0.365	0.367	2.45	
44)	2,4,5-Trichlor...	0.402	0.396	0.410	0.404	0.390	0.397	0.392	0.399	1.80	
45) S	2-Fluorobiphenyl	1.550	1.402	1.423	1.291	1.255	1.240	1.235	1.342	8.90	
46)	1,1'-Biphenyl	1.666	1.530	1.563	1.447	1.427	1.418	1.403	1.493	6.50	
47)	2-Chloronaphth...	1.251	1.145	1.162	1.106	1.082	1.084	1.091	1.131	5.39	
48)	2-Nitroaniline	0.367	0.351	0.379	0.367	0.363	0.357	0.359	0.363	2.50	
49)	Acenaphthylene	1.890	1.765	1.808	1.662	1.628	1.623	1.590	1.710	6.58	
50)	Dimethylphthalate	1.455	1.329	1.346	1.299	1.267	1.270	1.254	1.317	5.28	
51)	2,6-Dinitrotol...	0.314	0.299	0.307	0.301	0.291	0.293	0.286	0.299	3.24	
52) C	Acenaphthene	1.182	1.110	1.134	1.063	1.052	1.037	1.026	1.086	5.29	
53)	3-Nitroaniline	0.307	0.297	0.309	0.300	0.289	0.281	0.262	0.292	5.71	
54) P	2,4-Dinitrophenol	0.057	0.089	0.140	0.145	0.150	0.154	0.122	32.70		
55)	Dibenzofuran	1.898	1.739	1.739	1.622	1.559	1.531	1.509	1.657	8.53	
56) P	4-Nitrophenol	0.160	0.195	0.207	0.212	0.214	0.208	0.199	10.31		
57)	2,4-Dinitrotol...	0.403	0.403	0.416	0.404	0.386	0.389	0.379	0.397	3.24	
58)	Fluorene	1.509	1.409	1.399	1.295	1.263	1.224	1.210	1.330	8.37	
59)	2,3,4,6-Tetrac...	0.307	0.296	0.308	0.312	0.305	0.305	0.312	0.306	1.72	
60)	Diethylphthalate	1.495	1.375	1.393	1.311	1.292	1.268	1.234	1.338	6.66	
61)	4-Chlorophenyl...	0.739	0.682	0.685	0.639	0.619	0.605	0.599	0.653	7.90	
62)	4-Nitroaniline	0.307	0.301	0.315	0.312	0.310	0.309	0.291	0.306	2.67	
63)	Azobenzene	1.406	1.320	1.320	1.235	1.205	1.206	1.179	1.267	6.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.073	0.090	0.110	0.110	0.117	0.113	0.102	16.74		
66) c	n-Nitrosodiphe...	0.632	0.618	0.597	0.578	0.577	0.580	0.558	0.591	4.39	
67)	4-Bromophenyl-...	0.218	0.215	0.206	0.200	0.200	0.205	0.198	0.206	3.79	
68)	Hexachlorobenzene	0.257	0.240	0.239	0.233	0.232	0.236	0.232	0.238	3.65	
69)	Atrazine	0.181	0.171	0.131	0.140	0.147	0.196	0.198	0.166	16.37	
70) C	Pentachlorophenol	0.071	0.090	0.116	0.115	0.121	0.118	0.105	19.24		
71)	Phenanthrene	1.074	1.020	0.970	0.944	0.925	0.916	0.881	0.961	6.87	
72)	Anthracene	1.038	0.994	0.958	0.925	0.905	0.904	0.859	0.940	6.47	
73)	Carbazole	1.004	0.949	0.930	0.889	0.876	0.862	0.821	0.905	6.75	
74)	Di-n-butylphth...	1.144	1.075	1.074	1.023	1.021	1.007	0.967	1.044	5.56	
75) C	Fluoranthene	1.186	1.111	1.114	1.014	0.999	0.962	0.921	1.044	9.11	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.268	0.422	0.296	0.575	0.734	1.025	0.751	0.581	47.31	
78)	Pyrene	1.905	1.801	1.897	1.853	1.791	1.898	1.799	1.849	2.79	
79) S	Terphenyl-d14	1.351	1.254	1.308	1.283	1.228	1.313	1.254	1.284	3.31	
80)	Butylbenzylpht...	0.676	0.644	0.694	0.679	0.655	0.674	0.641	0.666	2.96	
81)	Benzo(a)anthra...	1.409	1.319	1.379	1.286	1.295	1.338	1.242	1.324	4.30	
82)	3,3'-Dichlorob...	0.375	0.383	0.393	0.413	0.406	0.419	0.394	0.397	4.03	
83)	Chrysene	1.354	1.263	1.218	1.201	1.137	1.173	1.128	1.211	6.50	
84)	Bis(2-ethylhex...	0.904	0.828	0.862	0.833	0.824	0.841	0.797	0.841	4.00	
85) c	Di-n-octyl pht...	1.198	1.133	1.147	1.132	1.147	1.169	1.121	1.150	2.29	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.209 1.283 1.299 1.304 1.306 1.409 1.313 1.303	4.51
88)	Benzo(b)fluora...	1.347 1.256 1.380 1.186 1.248 1.207 1.168 1.256	6.41
89)	Benzo(k)fluora...	1.243 1.236 1.059 1.101 1.022 1.055 0.980 1.099	9.34
90) C	Benzo(a)pyrene	1.062 1.050 1.063 1.007 0.998 1.014 0.957 1.021	3.81
91)	Dibenzo(a,h)an...	1.015 1.038 1.063 1.068 1.075 1.149 1.064 1.067	3.90
92)	Benzo(g,h,i)pe...	1.033 1.090 1.078 1.085 1.094 1.161 1.083 1.089	3.48

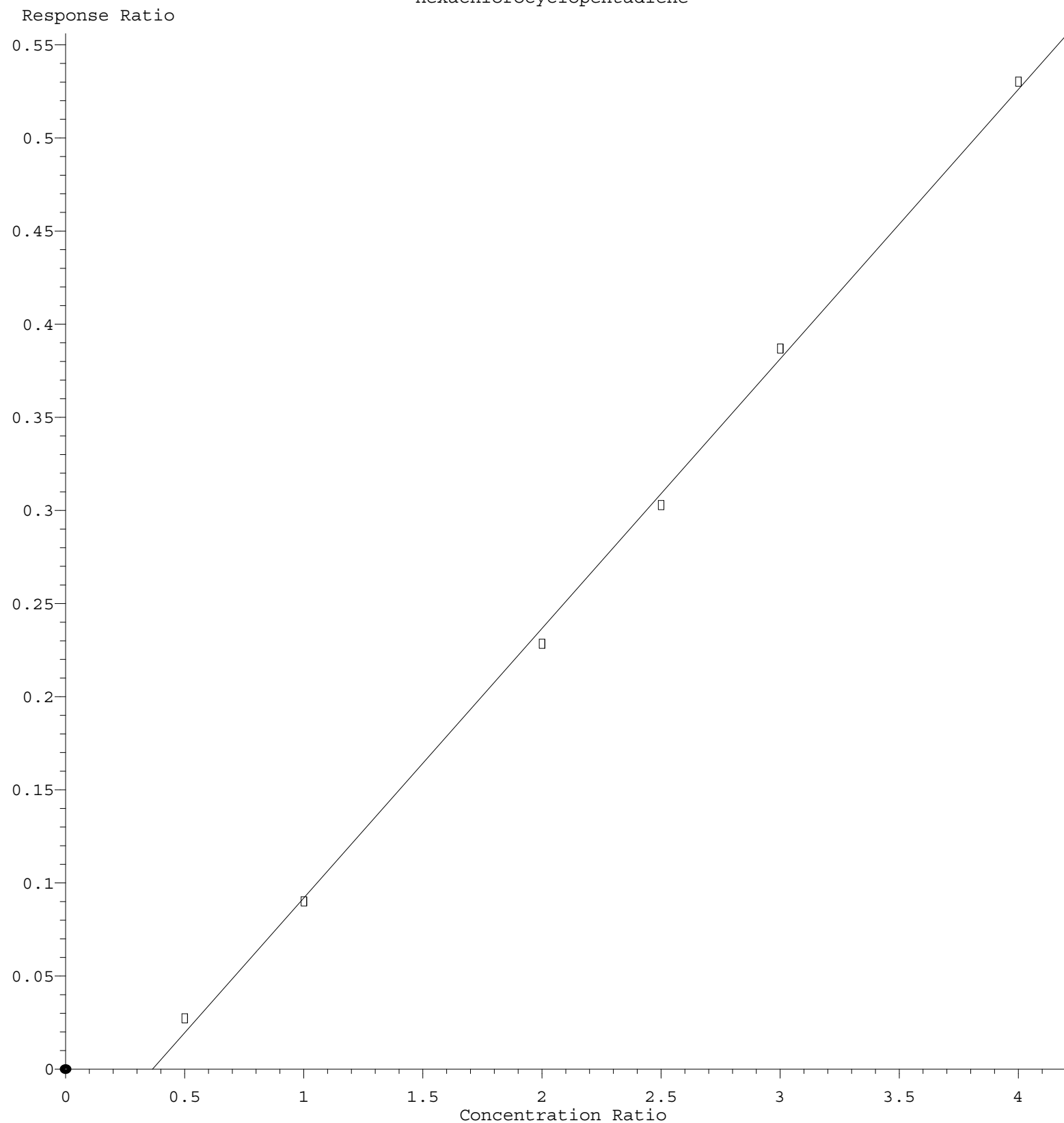
(#) = Out of Range

Benzoic acid



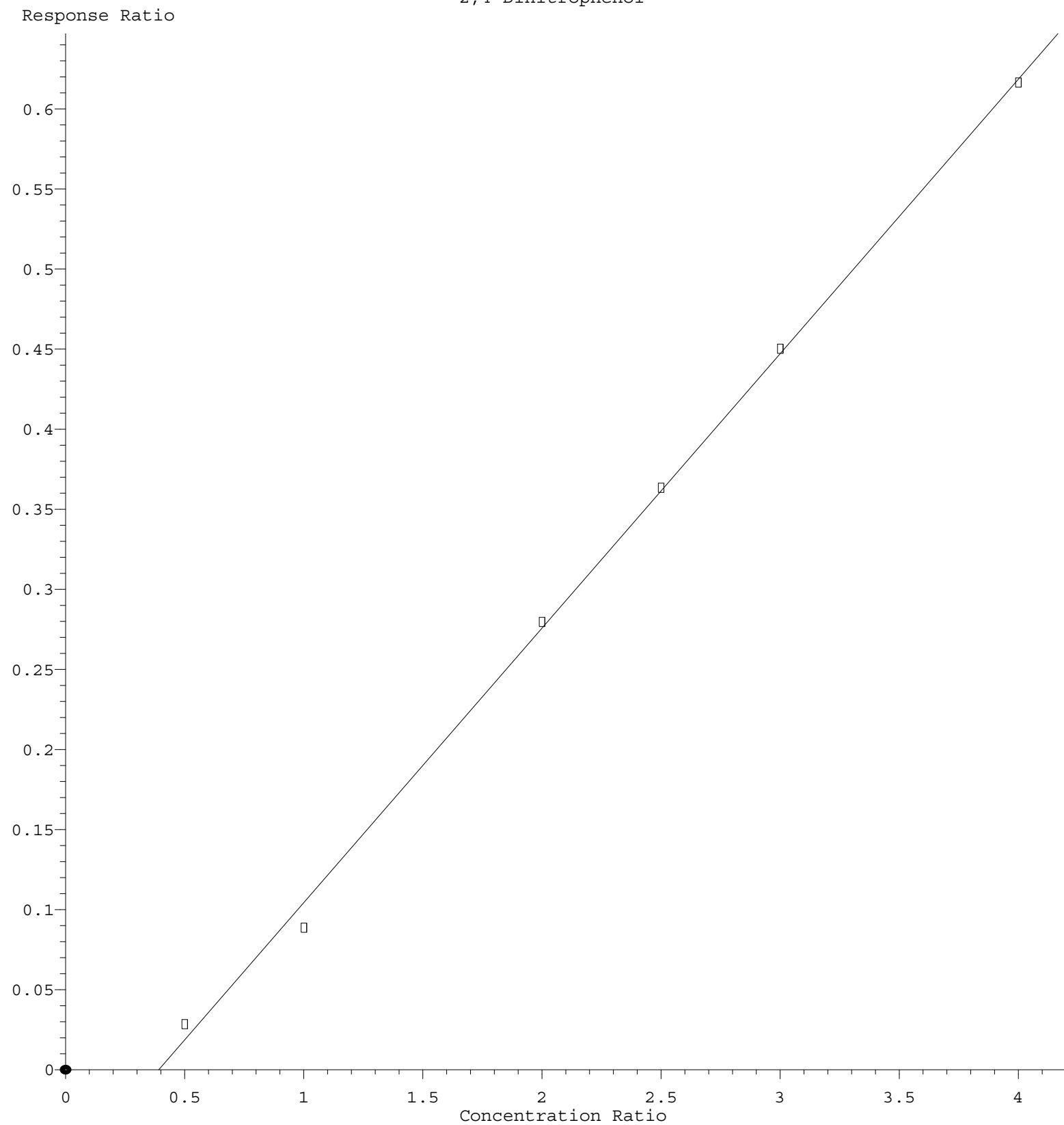
$\text{Response} = 2.193\text{e-}001 * \text{Amt} - 7.887\text{e-}002$
 Coef of Det (r^2) = 0.997922 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
 Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

Hexachlorocyclopentadiene



Response = $1.448 \times 10^{-1} \times \text{Amt} - 5.280 \times 10^{-2}$
Coef of Det (r^2) = 0.998763 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

2,4-Dinitrophenol



$$\text{Response} = 1.715\text{e-}001 * \text{Amt} - 6.708\text{e-}002$$

Coef of Det (r^2) = 0.998475 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M

Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140528.D
Acq On : 21 Nov 2024 11:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration

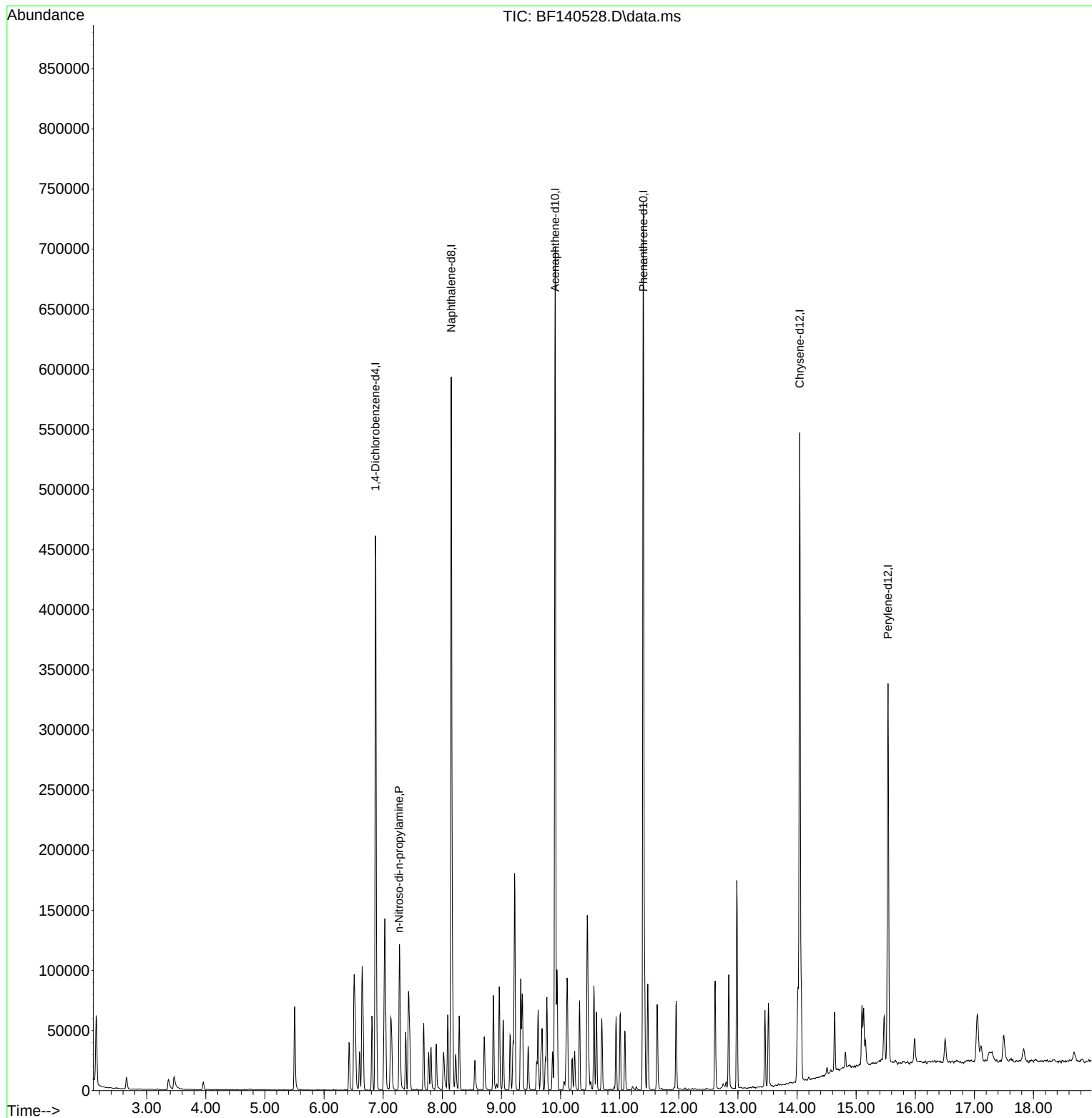
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	98970	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	372671	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	211504	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	393771	20.000	ng	0.00
76) Chrysene-d12	14.045	240	232997	20.000	ng	0.00
86) Perylene-d12	15.539	264	178104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.269	70	12029	2.654	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140528.D
Acq On : 21 Nov 2024 11:13
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 21 15:08:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140529.D
 Acq On : 21 Nov 2024 11:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Nov 21 15:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	104134	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	395935	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	219293	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	428851	20.000	ng	0.00
76) Chrysene-d12	14.045	240	270381	20.000	ng	0.00
86) Perylene-d12	15.533	264	205006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	65659	10.758	ng	0.00
7) Phenol-d6	6.504	99	90026	11.158	ng	-0.01
23) Nitrobenzene-d5	7.428	82	80941	10.457	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	24342	10.379	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	170000	11.550	ng	-0.01
79) Terphenyl-d14	12.980	244	182707	10.522	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	13033	5.079	ng	99
3) Pyridine	3.440	79	25544	4.524	ng	98
4) n-Nitrosodimethylamine	3.358	42	16043	4.835	ng	# 98
6) Aniline	6.534	93	30162	5.311	ng	# 85
8) 2-Chlorophenol	6.657	128	36046	5.490	ng	99
10) Phenol	6.522	94	44852	5.443	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	33630	5.333	ng	99
12) 1,3-Dichlorobenzene	6.810	146	41643	5.644	ng	97
13) 1,4-Dichlorobenzene	6.887	146	42002	5.622	ng	98
14) 1,2-Dichlorobenzene	7.040	146	39138	5.591	ng	97
15) Benzyl Alcohol	7.010	79	32114	5.367	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	42946	5.765	ng	79
17) 2-Methylphenol	7.128	107	29188	5.553	ng	96
18) Hexachloroethane	7.381	117	15560	5.577	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	26085	5.470	ng	99
20) 3+4-Methylphenols	7.281	107	38915	5.760	ng	97
22) Acetophenone	7.275	105	53017	5.492	ng	95
24) Nitrobenzene	7.451	77	43460	5.432	ng	99
25) Isophorone	7.687	82	68701	5.321	ng	100
26) 2-Nitrophenol	7.769	139	17600	4.964	ng	100
27) 2,4-Dimethylphenol	7.804	122	21843	5.149	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	42337	5.383	ng	99
29) 2,4-Dichlorophenol	8.022	162	29819	5.305	ng	95
30) 1,2,4-Trichlorobenzene	8.092	180	33886	5.280	ng	99
31) Naphthalene	8.175	128	110501	5.418	ng	99
33) 4-Chloroaniline	8.228	127	30440	4.985	ng	97
34) Hexachlorobutadiene	8.287	225	22446	5.280	ng	99
35) Caprolactam	8.557	113	8985	5.165	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	34404	5.467	ng	99
37) 2-Methylnaphthalene	8.863	142	71706	5.536	ng	100
38) 1-Methylnaphthalene	8.963	142	69955	5.510	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	34836	5.426	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	21046	5.224	ng	99
44) 2,4,5-Trichlorophenol	9.192	196	22061	5.046	ng	99
46) 1,1'-Biphenyl	9.328	154	91336	5.579	ng	99
47) 2-Chloronaphthalene	9.351	162	68559	5.526	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140529.D
 Acq On : 21 Nov 2024 11:39
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Quant Time: Nov 21 15:09:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Nitroaniline	9.451	65	20109	5.050	ng	99
49) Acenaphthylene	9.769	152	103605	5.527	ng	99
50) Dimethylphthalate	9.622	163	79770	5.523	ng	98
51) 2,6-Dinitrotoluene	9.687	165	17217	5.256	ng	99
52) Acenaphthene	9.939	154	64777	5.337	ng	97
53) 3-Nitroaniline	9.863	138	16842	5.257	ng	98
55) Dibenzofuran	10.116	168	104044	5.727	ng	96
57) 2,4-Dinitrotoluene	10.098	165	22110	5.079	ng	98
58) Fluorene	10.457	166	82732	5.674	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	16825	5.007	ng	# 96
60) Diethylphthalate	10.322	149	81981	5.587	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	40537	5.665	ng	95
62) 4-Nitroaniline	10.469	138	16848	5.014	ng	98
63) Azobenzene	10.604	77	77108	5.549	ng	96
66) n-Nitrosodiphenylamine	10.563	169	67794	5.346	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	23355	5.288	ng	99
68) Hexachlorobenzene	11.010	284	27532	5.384	ng	99
69) Atrazine	11.086	200	19452	5.452	ng	99
71) Phenanthrene	11.422	178	115121	5.584	ng	98
72) Anthracene	11.475	178	111316	5.520	ng	100
73) Carbazole	11.633	167	107643	5.549	ng	98
74) Di-n-butylphthalate	11.957	149	122687	5.478	ng	99
75) Fluoranthene	12.616	202	127194	5.683	ng	100
77) Benzidine	12.745	184	18105	2.303	ng	99
78) Pyrene	12.845	202	128760	5.150	ng	98
80) Butylbenzylphthalate	13.457	149	45690	5.073	ng	99
81) Benzo(a)anthracene	14.033	228	95229	5.321	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	25321	4.712	ng	97
83) Chrysene	14.069	228	91528	5.593	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	61082	5.371	ng	100
85) Di-n-octyl phthalate	14.633	149	80990	5.211	ng	99
87) Indeno(1,2,3-cd)pyrene	17.033	276	61952	4.637	ng	97
88) Benzo(b)fluoranthene	15.098	252	69048	5.362	ng	98
89) Benzo(k)fluoranthene	15.127	252	63717	5.655	ng	96
90) Benzo(a)pyrene	15.469	252	54423	5.198	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	52029	4.755	ng	99
92) Benzo(g,h,i)perylene	17.492	276	52919	4.740	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140530.D
 Acq On : 21 Nov 2024 12:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:10:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	101758	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	377828	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213774	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	399362	20.000	ng	0.00
76) Chrysene-d12	14.045	240	256196	20.000	ng	0.00
86) Perylene-d12	15.533	264	194024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	125454	21.035	ng	0.00
7) Phenol-d6	6.504	99	164515	20.866	ng	-0.01
23) Nitrobenzene-d5	7.428	82	152410	20.633	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	44626	19.519	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	299817	20.896	ng	0.00
79) Terphenyl-d14	12.980	244	321362	19.532	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	25524	10.179	ng	99
3) Pyridine	3.428	79	51851	9.398	ng	96
4) n-Nitrosodimethylamine	3.357	42	31093	9.589	ng	99
6) Aniline	6.534	93	60808	10.957	ng	# 79
8) 2-Chlorophenol	6.657	128	67572	10.531	ng	98
9) Benzaldehyde	6.422	77	51225	12.273	ng	99
10) Phenol	6.522	94	83830	10.411	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	63186	10.255	ng	99
12) 1,3-Dichlorobenzene	6.810	146	75941	10.533	ng	99
13) 1,4-Dichlorobenzene	6.887	146	76389	10.464	ng	99
14) 1,2-Dichlorobenzene	7.040	146	72962	10.666	ng	100
15) Benzyl Alcohol	7.010	79	59748	10.218	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	75295	10.344	ng	79
17) 2-Methylphenol	7.128	107	52599	10.241	ng	94
18) Hexachloroethane	7.381	117	27715	10.165	ng	98
19) n-Nitroso-di-n-propyla...	7.275	70	48309	10.367	ng	98
20) 3+4-Methylphenols	7.281	107	69290	10.496	ng	98
22) Acetophenone	7.275	105	96618	10.489	ng	97
24) Nitrobenzene	7.451	77	77259	10.120	ng	99
25) Isophorone	7.687	82	123528	10.026	ng	99
26) 2-Nitrophenol	7.769	139	32564	9.625	ng	98
27) 2,4-Dimethylphenol	7.804	122	40421	9.986	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	77116	10.274	ng	99
29) 2,4-Dichlorophenol	8.016	162	55037	10.261	ng	99
30) 1,2,4-Trichlorobenzene	8.092	180	63769	10.413	ng	98
31) Naphthalene	8.175	128	203054	10.434	ng	99
32) Benzoic acid	7.887	122	19174m	11.820	ng	
33) 4-Chloroaniline	8.222	127	60102	10.315	ng	99
34) Hexachlorobutadiene	8.287	225	42479	10.472	ng	98
35) Caprolactam	8.563	113	17126	10.317	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	60104	10.008	ng	99
37) 2-Methylnaphthalene	8.863	142	128393	10.387	ng	100
38) 1-Methylnaphthalene	8.963	142	125672	10.372	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	64508	10.308	ng	99
41) Hexachlorocyclopentadiene	9.016	237	5836	11.063	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	38279	9.748	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140530.D
 Acq On : 21 Nov 2024 12:05
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:10:46 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	42321	9.930	ng	99
46) 1,1'-Biphenyl	9.328	154	163500	10.244	ng	99
47) 2-Chloronaphthalene	9.351	162	122350	10.117	ng	99
48) 2-Nitroaniline	9.451	65	37481	9.655	ng	98
49) Acenaphthylene	9.769	152	188676	10.326	ng	99
50) Dimethylphthalate	9.622	163	142079	10.092	ng	100
51) 2,6-Dinitrotoluene	9.692	165	31999	10.021	ng	94
52) Acenaphthene	9.939	154	118691	10.031	ng	99
53) 3-Nitroaniline	9.863	138	31781	10.177	ng	96
54) 2,4-Dinitrophenol	9.981	184	6086	11.143	ng	98
55) Dibenzofuran	10.116	168	185902	10.497	ng	99
56) 4-Nitrophenol	10.039	139	17052	8.006	ng	96
57) 2,4-Dinitrotoluene	10.098	165	43030	10.140	ng	95
58) Fluorene	10.457	166	150592	10.594	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	31672	9.670	ng	98
60) Diethylphthalate	10.322	149	146994	10.276	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	72915	10.452	ng	97
62) 4-Nitroaniline	10.469	138	32193	9.829	ng	96
63) Azobenzene	10.610	77	141049	10.412	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	14572	7.140	ng	93
66) n-Nitrosodiphenylamine	10.563	169	123384	10.447	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	42955	10.444	ng	98
68) Hexachlorobenzene	11.010	284	47993	10.078	ng	97
69) Atrazine	11.092	200	34193	10.292	ng	100
70) Pentachlorophenol	11.210	266	14110	6.732	ng	97
71) Phenanthrene	11.422	178	203602	10.606	ng	99
72) Anthracene	11.475	178	198430	10.567	ng	100
73) Carbazole	11.633	167	189597	10.495	ng	100
74) Di-n-butylphthalate	11.957	149	214564	10.288	ng	99
75) Fluoranthene	12.616	202	221773	10.640	ng	99
77) Benzidine	12.739	184	54022	7.252	ng	100
78) Pyrene	12.845	202	230747	9.741	ng	98
80) Butylbenzylphthalate	13.457	149	82557	9.674	ng	100
81) Benzo(a)anthracene	14.033	228	168988	9.964	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	49053	9.634	ng	100
83) Chrysene	14.069	228	161811	10.435	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	106093	9.846	ng	100
85) Di-n-octyl phthalate	14.633	149	145085	9.852	ng	100
87) Indeno(1,2,3-cd)pyrene	17.033	276	124455	9.843	ng	99
88) Benzo(b)fluoranthene	15.098	252	121884	10.001	ng	99
89) Benzo(k)fluoranthene	15.127	252	119878	11.241	ng	100
90) Benzo(a)pyrene	15.468	252	101824	10.276	ng	97
91) Dibenzo(a,h)anthracene	17.051	278	100656	9.720	ng	99
92) Benzo(g,h,i)perylene	17.492	276	105771	10.010	ng	99

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

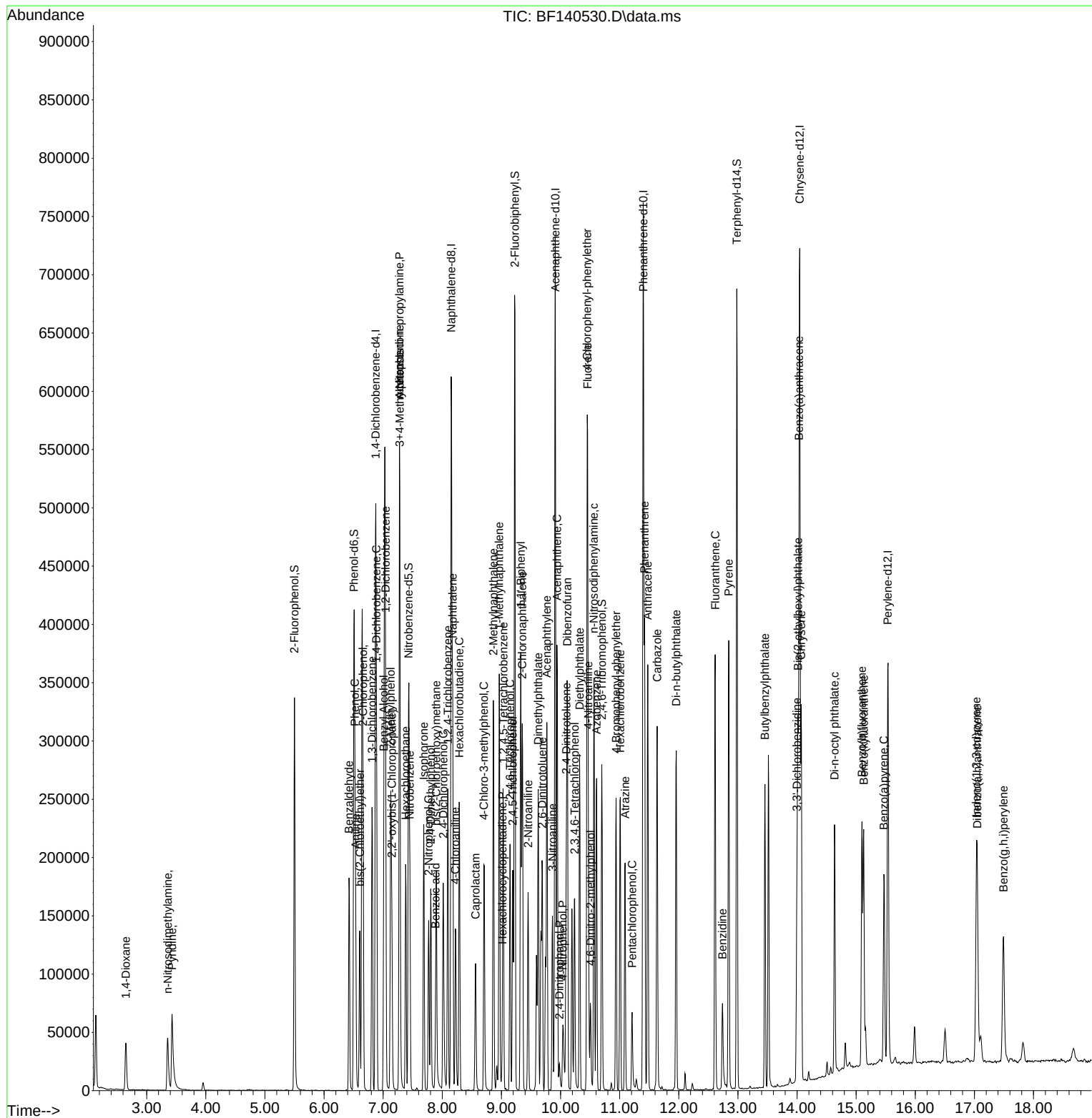

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Data File : BF140530.D  
Acq On    : 21 Nov 2024  12:05  
Operator  : RC/JU  
Sample    : SSTDICC010  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:10:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140531.D
 Acq On : 21 Nov 2024 12:32
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:11:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	99570	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	364692	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	198805	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	382041	20.000	ng	0.00
76) Chrysene-d12	14.051	240	225903	20.000	ng	0.00
86) Perylene-d12	15.533	264	173612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	239365	41.017	ng	0.00
7) Phenol-d6	6.510	99	310375	40.230	ng	0.00
23) Nitrobenzene-d5	7.434	82	288201	40.422	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	87426	41.118	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	565607	42.389	ng	0.00
79) Terphenyl-d14	12.986	244	590771	40.721	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	57318	23.361	ng	98
3) Pyridine	3.422	79	111651	20.682	ng	98
4) n-Nitrosodimethylamine	3.357	42	65851	20.754	ng	95
6) Aniline	6.534	93	112828	20.778	ng	88
8) 2-Chlorophenol	6.663	128	127220	20.263	ng	96
9) Benzaldehyde	6.422	77	96584	23.648	ng	97
10) Phenol	6.522	94	161262	20.467	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	120837	20.042	ng	100
12) 1,3-Dichlorobenzene	6.816	146	142704	20.228	ng	99
13) 1,4-Dichlorobenzene	6.893	146	144955	20.293	ng	100
14) 1,2-Dichlorobenzene	7.045	146	136939	20.459	ng	99
15) Benzyl Alcohol	7.010	79	115602	20.205	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	142742	20.040	ng	81
17) 2-Methylphenol	7.128	107	102895	20.473	ng	94
18) Hexachloroethane	7.381	117	54624	20.475	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	91173	19.996	ng	97
20) 3+4-Methylphenols	7.281	107	129954	20.117	ng	94
22) Acetophenone	7.281	105	180222	20.270	ng	100
24) Nitrobenzene	7.451	77	148986	20.218	ng	100
25) Isophorone	7.687	82	239713	20.158	ng	98
26) 2-Nitrophenol	7.769	139	67593	20.699	ng	100
27) 2,4-Dimethylphenol	7.804	122	77504	19.836	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	146899	20.277	ng	100
29) 2,4-Dichlorophenol	8.016	162	105906	20.456	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	120949	20.461	ng	100
31) Naphthalene	8.175	128	387236	20.614	ng	99
32) Benzoic acid	7.904	122	45935	18.678	ng	99
33) 4-Chloroaniline	8.222	127	112719	20.042	ng	100
34) Hexachlorobutadiene	8.287	225	79980	20.427	ng	99
35) Caprolactam	8.581	113	33020	20.609	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	115782	19.974	ng	98
37) 2-Methylnaphthalene	8.863	142	243949	20.446	ng	99
38) 1-Methylnaphthalene	8.963	142	240502	20.564	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	120444	20.695	ng	100
41) Hexachlorocyclopentadiene	9.016	237	17909	19.734	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	74538	20.410	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140531.D
 Acq On : 21 Nov 2024 12:32
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:11:39 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 14:50:10 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	81588	20.585	ng	98
46) 1,1'-Biphenyl	9.328	154	310749	20.936	ng	100
47) 2-Chloronaphthalene	9.357	162	231066	20.545	ng	99
48) 2-Nitroaniline	9.451	65	75343	20.871	ng	99
49) Acenaphthylene	9.769	152	359483	21.155	ng	100
50) Dimethylphthalate	9.628	163	267629	20.440	ng	99
51) 2,6-Dinitrotoluene	9.692	165	61076	20.568	ng	97
52) Acenaphthene	9.945	154	225540m	20.497	ng	
53) 3-Nitroaniline	9.863	138	61362	21.128	ng	96
54) 2,4-Dinitrophenol	9.975	184	17628	18.164	ng	98
55) Dibenzofuran	10.116	168	345729	20.992	ng	100
56) 4-Nitrophenol	10.034	139	38787	19.582	ng	97
57) 2,4-Dinitrotoluene	10.098	165	82706	20.957	ng	96
58) Fluorene	10.457	166	278115	21.038	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	61142	20.072	ng	98
60) Diethylphthalate	10.328	149	276859	20.812	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	136189	20.992	ng	98
62) 4-Nitroaniline	10.475	138	62610	20.555	ng	99
63) Azobenzene	10.610	77	262444	20.833	ng	99
65) 4,6-Dinitro-2-methylph...	10.510	198	34412	17.627	ng	97
66) n-Nitrosodiphenylamine	10.569	169	228075	20.187	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	78863	20.044	ng	98
68) Hexachlorobenzene	11.010	284	91363	20.055	ng	97
69) Atrazine	11.092	200	50070	15.754	ng	99
70) Pentachlorophenol	11.210	266	34309	17.111	ng	97
71) Phenanthrene	11.428	178	370424	20.171	ng	99
72) Anthracene	11.475	178	366152	20.383	ng	100
73) Carbazole	11.633	167	355423	20.567	ng	99
74) Di-n-butylphthalate	11.957	149	410317	20.566	ng	99
75) Fluoranthene	12.616	202	425403	21.335	ng	99
77) Benzidine	12.739	184	66895	10.185	ng	99
78) Pyrene	12.845	202	428479	20.514	ng	99
80) Butylbenzylphthalate	13.457	149	156775	20.835	ng	96
81) Benzo(a)anthracene	14.039	228	311416	20.825	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	88858	19.791	ng	98
83) Chrysene	14.074	228	275068	20.117	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	194626	20.484	ng	100
85) Di-n-octyl phthalate	14.633	149	259088	19.953	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	225489	19.930	ng	100
88) Benzo(b)fluoranthene	15.098	252	239653	21.977	ng	99
89) Benzo(k)fluoranthene	15.127	252	183799	19.261	ng	99
90) Benzo(a)pyrene	15.474	252	184528	20.812	ng	98
91) Dibenzo(a,h)anthracene	17.051	278	184632	19.926	ng	99
92) Benzo(g,h,i)perylene	17.492	276	187164	19.795	ng	98

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

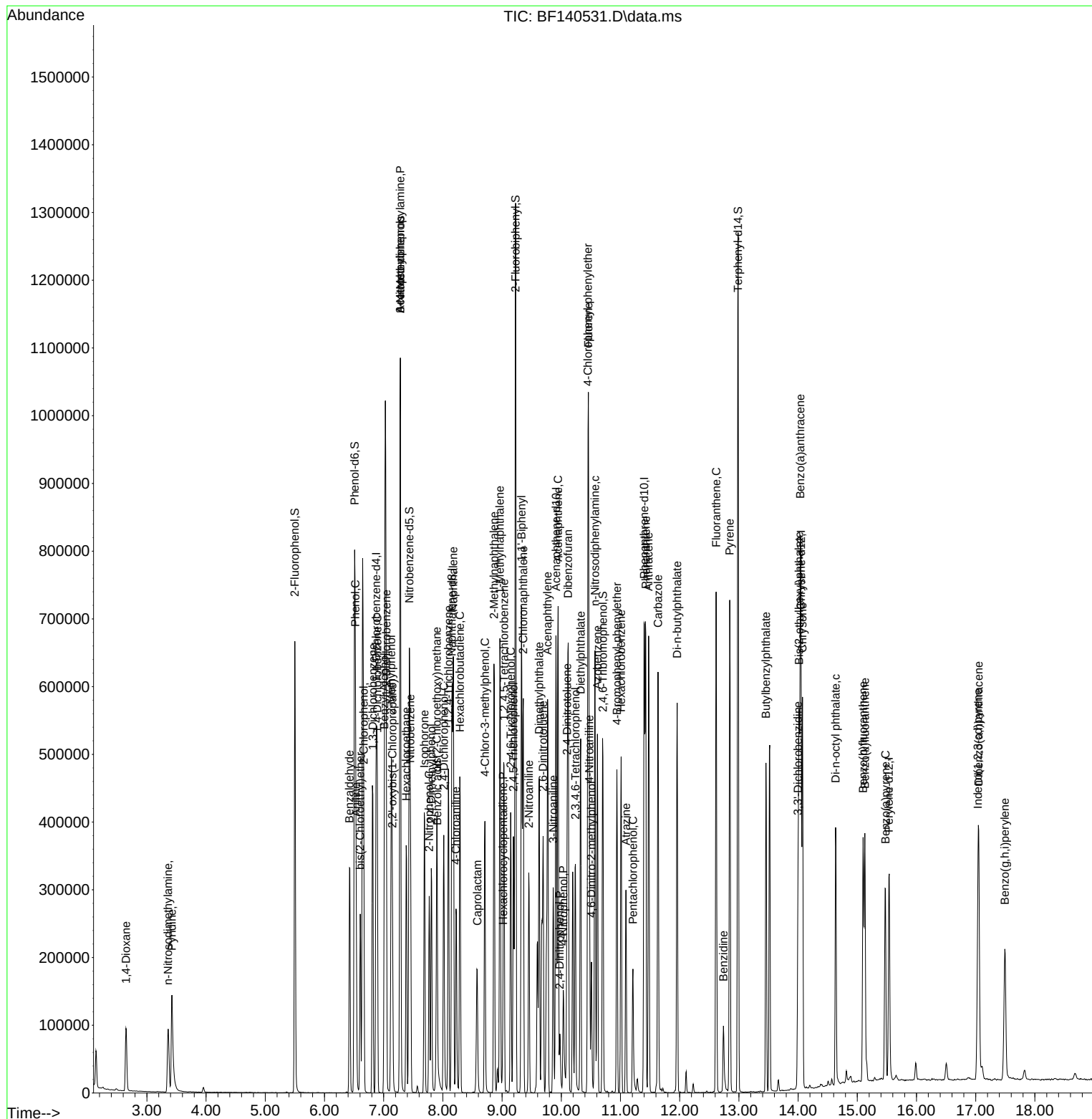
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Acq On : 21 Nov 2024 12:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140532.D
 Acq On : 21 Nov 2024 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:12:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	107516	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	413408	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	234407	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	437466	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239343	20.000	ng	0.00
86) Perylene-d12	15.539	264	211422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	504816	80.111	ng	0.00
7) Phenol-d6	6.516	99	688812	82.684	ng	0.00
23) Nitrobenzene-d5	7.439	82	648845	80.281	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	202517	80.781	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1210929	76.969	ng	0.00
79) Terphenyl-d14	12.992	244	1228064	79.896	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	105183	39.700	ng	100
3) Pyridine	3.422	79	256255	43.959	ng	100
4) n-Nitrosodimethylamine	3.381	42	139435	40.698	ng	100
6) Aniline	6.540	93	268994	45.875	ng	100
8) 2-Chlorophenol	6.663	128	275937	40.702	ng	100
9) Benzaldehyde	6.428	77	158653	35.975	ng	100
10) Phenol	6.528	94	358490	42.137	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	267847	41.142	ng	100
12) 1,3-Dichlorobenzene	6.816	146	300744	39.480	ng	100
13) 1,4-Dichlorobenzene	6.892	146	307112	39.817	ng	100
14) 1,2-Dichlorobenzene	7.045	146	291347	40.311	ng	100
15) Benzyl Alcohol	7.016	79	263144	42.594	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314582	40.901	ng	100
17) 2-Methylphenol	7.134	107	223977	41.272	ng	100
18) Hexachloroethane	7.387	117	115481	40.087	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	203356	41.304	ng	100
20) 3+4-Methylphenols	7.287	107	289597	41.517	ng	100
22) Acetophenone	7.287	105	397747	39.464	ng	100
24) Nitrobenzene	7.457	77	331927	39.736	ng	100
25) Isophorone	7.698	82	546985	40.576	ng	100
26) 2-Nitrophenol	7.775	139	149133	40.287	ng	100
27) 2,4-Dimethylphenol	7.810	122	185514	41.885	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	328053	39.946	ng	100
29) 2,4-Dichlorophenol	8.016	162	233140	39.725	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	261862	39.078	ng	100
31) Naphthalene	8.181	128	837233	39.318	ng	100
32) Benzoic acid	7.939	122	146245	39.450	ng	100
33) 4-Chloroaniline	8.228	127	268662	42.139	ng	100
34) Hexachlorobutadiene	8.292	225	175198	39.473	ng	100
35) Caprolactam	8.604	113	74771	41.168	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	270395	41.150	ng	100
37) 2-Methylnaphthalene	8.869	142	537039	39.707	ng	100
38) 1-Methylnaphthalene	8.969	142	527387	39.781	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	263939	38.462	ng	100
41) Hexachlorocyclopentadiene	9.016	237	53531	38.833	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	171374	39.799	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140532.D
 Acq On : 21 Nov 2024 12:58
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:12:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	189287	40.504	ng	100
46) 1,1'-Biphenyl	9.333	154	678172	38.750	ng	100
47) 2-Chloronaphthalene	9.357	162	518320	39.086	ng	100
48) 2-Nitroaniline	9.457	65	172005	40.410	ng	100
49) Acenaphthylene	9.775	152	779390	38.899	ng	100
50) Dimethylphthalate	9.633	163	608948	39.445	ng	100
51) 2,6-Dinitrotoluene	9.698	165	140922	40.249	ng	100
52) Acenaphthene	9.945	154	498119m	38.394	ng	
53) 3-Nitroaniline	9.869	138	140859	41.134	ng	100
54) 2,4-Dinitrophenol	9.980	184	65546	40.435	ng	100
55) Dibenzofuran	10.122	168	760308	39.153	ng	100
56) 4-Nitrophenol	10.039	139	97133	41.591	ng	100
57) 2,4-Dinitrotoluene	10.104	165	189213	40.662	ng	100
58) Fluorene	10.463	166	607198	38.956	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	146383	40.757	ng	100
60) Diethylphthalate	10.333	149	614490	39.176	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	299662	39.175	ng	100
62) 4-Nitroaniline	10.486	138	146354	40.750	ng	100
63) Azobenzene	10.616	77	579042	38.983	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	96120	42.998	ng	100
66) n-Nitrosodiphenylamine	10.575	169	505450	39.070	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	174746	38.787	ng	100
68) Hexachlorobenzene	11.016	284	204123	39.129	ng	100
69) Atrazine	11.098	200	122413	33.635	ng	100
70) Pentachlorophenol	11.210	266	101542	44.226	ng	100
71) Phenanthrene	11.427	178	826269	39.293	ng	100
72) Anthracene	11.480	178	808988	39.329	ng	100
73) Carbazole	11.639	167	778112	39.322	ng	100
74) Di-n-butylphthalate	11.957	149	895236	39.186	ng	100
75) Fluoranthene	12.621	202	886900	38.845	ng	100
77) Benzidine	12.739	184	275047	39.525	ng	100
78) Pyrene	12.851	202	887193	40.090	ng	100
80) Butylbenzylphthalate	13.463	149	324879	40.751	ng	100
81) Benzo(a)anthracene	14.039	228	615808	38.868	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	197667	41.554	ng	100
83) Chrysene	14.080	228	575079	39.696	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	398677	39.604	ng	100
85) Di-n-octyl phthalate	14.633	149	541933	39.393	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	551596	40.034	ng	100
88) Benzo(b)fluoranthene	15.104	252	501607	37.772	ng	100
89) Benzo(k)fluoranthene	15.133	252	465620	40.067	ng	100
90) Benzo(a)pyrene	15.474	252	425894	39.444	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	451597	40.022	ng	100
92) Benzo(g,h,i)perylene	17.509	276	458972	39.861	ng	100

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

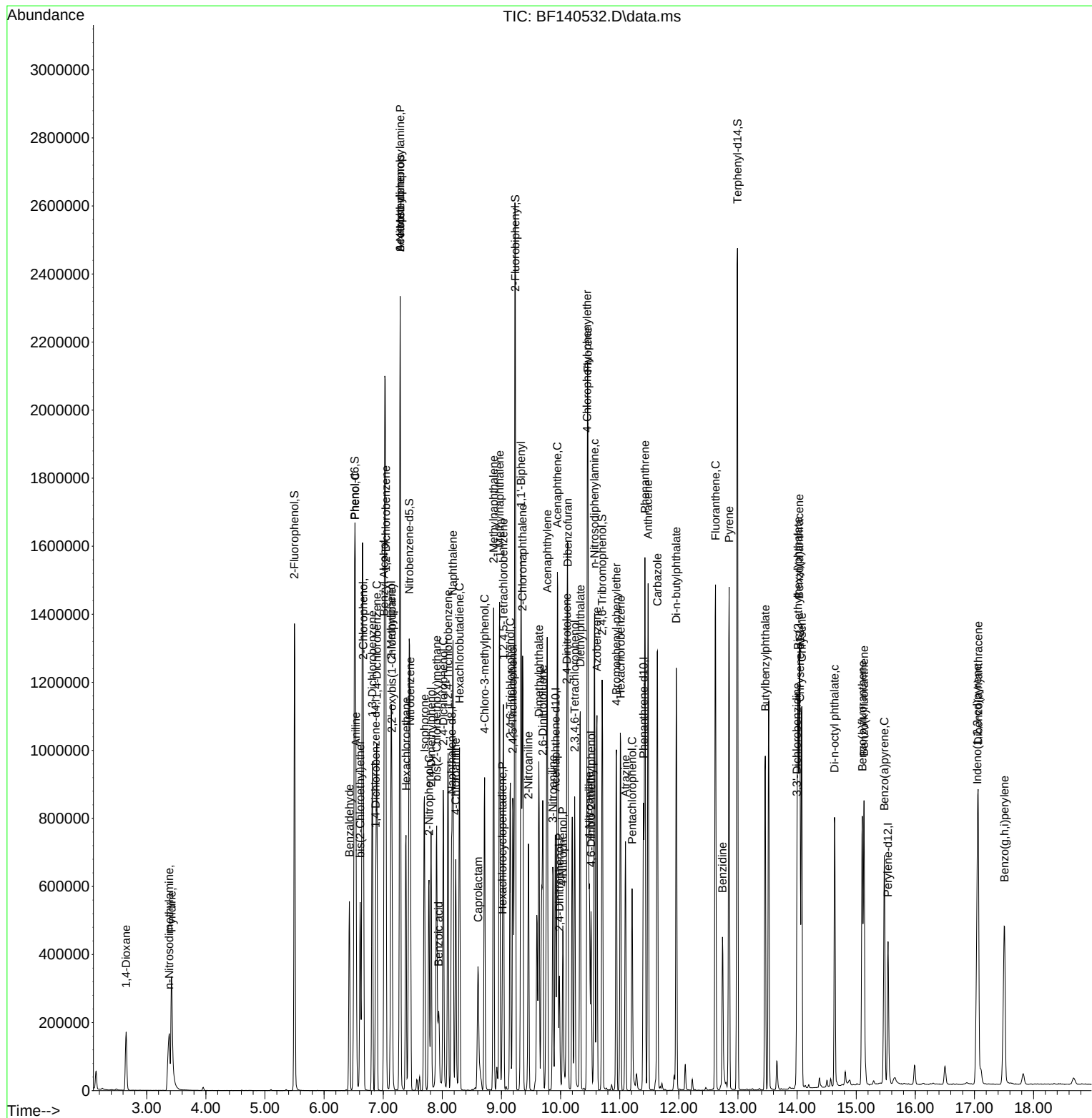
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140532.D
Acq On : 21 Nov 2024 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 15:12:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140533.D
 Acq On : 21 Nov 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Nov 21 15:13:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	117539	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	425301	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	233869	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	432727	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241266	20.000	ng	0.00
86) Perylene-d12	15.545	264	219139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	656695	95.327	ng	0.00
7) Phenol-d6	6.522	99	860924	94.531	ng	0.00
23) Nitrobenzene-d5	7.445	82	801144	96.352	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	245159	98.015	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1467020	93.462	ng	0.00
79) Terphenyl-d14	12.992	244	1481875	95.640	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	132951	45.902	ng	99
3) Pyridine	3.416	79	312094	48.973	ng	97
4) n-Nitrosodimethylamine	3.387	42	185759	49.595	ng	99
6) Aniline	6.545	93	306198	47.767	ng	99
8) 2-Chlorophenol	6.669	128	352950	47.623	ng	97
9) Benzaldehyde	6.428	77	220959	45.830	ng	100
10) Phenol	6.534	94	444859	47.830	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	336892	47.335	ng	100
12) 1,3-Dichlorobenzene	6.816	146	395334	47.472	ng	99
13) 1,4-Dichlorobenzene	6.892	146	399191	47.341	ng	100
14) 1,2-Dichlorobenzene	7.045	146	372552	47.151	ng	98
15) Benzyl Alcohol	7.022	79	327081	48.428	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	392372	46.665	ng	93
17) 2-Methylphenol	7.134	107	280882	47.344	ng	98
18) Hexachloroethane	7.386	117	151045	47.961	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	251453	46.718	ng	99
20) 3+4-Methylphenols	7.292	107	355860	46.666	ng	95
22) Acetophenone	7.286	105	492194	47.469	ng	98
24) Nitrobenzene	7.463	77	412860	48.043	ng	99
25) Isophorone	7.698	82	668649	48.214	ng	100
26) 2-Nitrophenol	7.775	139	189056	49.644	ng	99
27) 2,4-Dimethylphenol	7.816	122	217017	47.628	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	402409	47.630	ng	100
29) 2,4-Dichlorophenol	8.022	162	295023	48.863	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	336812	48.858	ng	98
31) Naphthalene	8.181	128	1055423	48.178	ng	100
32) Benzoic acid	7.957	122	196545	49.333	ng	99
33) 4-Chloroaniline	8.233	127	322212	49.125	ng	99
34) Hexachlorobutadiene	8.292	225	221707	48.555	ng	99
35) Caprolactam	8.616	113	90596	48.486	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	326418	48.287	ng	99
37) 2-Methylnaphthalene	8.869	142	662592	47.620	ng	100
38) 1-Methylnaphthalene	8.969	142	649248	47.603	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	328190	47.935	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70831	49.123	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	212974	49.574	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140533.D
 Acq On : 21 Nov 2024 13:25
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Quant Time: Nov 21 15:13:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227840	48.866	ng	98
46) 1,1'-Biphenyl	9.333	154	834139	47.772	ng	99
47) 2-Chloronaphthalene	9.363	162	632459	47.803	ng	99
48) 2-Nitroaniline	9.457	65	212420	50.020	ng	98
49) Acenaphthylene	9.775	152	951784	47.612	ng	99
50) Dimethylphthalate	9.639	163	740559	48.081	ng	99
51) 2,6-Dinitrotoluene	9.704	165	169989	48.663	ng	96
52) Acenaphthene	9.951	154	615149	47.524	ng	99
53) 3-Nitroaniline	9.875	138	169234	49.534	ng	96
54) 2,4-Dinitrophenol	9.980	184	84985	50.205	ng	99
55) Dibenzofuran	10.122	168	911771	47.061	ng	99
56) 4-Nitrophenol	10.045	139	124021	53.227	ng	98
57) 2,4-Dinitrotoluene	10.110	165	225762	48.629	ng	98
58) Fluorene	10.463	166	738453	47.486	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	178549	49.828	ng	97
60) Diethylphthalate	10.333	149	755358	48.268	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	361856	47.414	ng	100
62) 4-Nitroaniline	10.492	138	180999	50.512	ng	99
63) Azobenzene	10.616	77	704370	47.529	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	119290	53.947	ng	99
66) n-Nitrosodiphenylamine	10.574	169	623715	48.740	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	216523	48.587	ng	97
68) Hexachlorobenzene	11.016	284	251498	48.739	ng	100
69) Atrazine	11.098	200	159048	44.180	ng	99
70) Pentachlorophenol	11.210	266	124128	54.656	ng	99
71) Phenanthrene	11.427	178	1000897	48.118	ng	100
72) Anthracene	11.480	178	978923	48.111	ng	100
73) Carbazole	11.639	167	948090	48.436	ng	99
74) Di-n-butylphthalate	11.957	149	1105032	48.899	ng	100
75) Fluoranthene	12.621	202	1080641	47.849	ng	100
77) Benzidine	12.745	184	442856	63.133	ng	100
78) Pyrene	12.851	202	1080149	48.420	ng	100
80) Butylbenzylphthalate	13.463	149	394867	49.136	ng	99
81) Benzo(a)anthracene	14.045	228	780853	48.892	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	244892	51.072	ng	99
83) Chrysene	14.080	228	685847	46.964	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	497161	48.994	ng	100
85) Di-n-octyl phthalate	14.645	149	692020	49.901	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	715720	50.117	ng	100
88) Benzo(b)fluoranthene	15.109	252	683919	49.687	ng	100
89) Benzo(k)fluoranthene	15.139	252	559704	46.467	ng	100
90) Benzo(a)pyrene	15.486	252	546539	48.835	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	588742	50.339	ng	99
92) Benzo(g,h,i)perylene	17.521	276	599158	50.203	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Abundance

TIC: BF140533.D\data.ms

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine,

2-Fluorophenol,S

Benzaldehyde

bis(2-Chloroethyl)ether

Phenol,d6,S

1,4-Dichlorobenzene

1,3-Dichlorobenzene,C

2,2'-oxybis[Carbazole]

Hexachlorocyclopentadiene

Nitrobenzene-d5,S

1,2-Bis(4-chlorophenyl)ethane

Acetaminophenol,amine,P

Caprolactam

4-Chloro-3-methylphenol,C

2-Vinylpyrrolidone

2,4,6-Trichlorophenol,C

2-Chlorophthalate

2-Nitroaniline

2,6-Dichlorophthalate

Acenaphthylene

2,3,4,6-Tetrachlorophenol

Diethylphthalate

2,4-Dinitrotoluene

4-Ethoxycarbonylphenol,S

4-Ethoxycarbonylphenylamine,C

Chlorophenyl-phenylfluorene

Nitrosodiphenylamine,C

Pentachlorophenol,C

Azaxine

Phenanthrene-d10,I

Anthracene

Carbazole

Di-n-butylphthalate

Butylbenzylphthalate

Benzo(a)pyrene

Pyrene

Fluoranthene,C

Terphenyl-d14,S

Chrysene

Dibenzofluorene

Benzo(b)fluorene

Di-n-octyl phthalate,c

Benzo(g,h,i)perylene

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

Perylene-d12,I

Benzo(a)pyrene,C

Benzo(k)fluoranthene

Benzo(e)pyrene

Benzo(i)fluoranthene

Benzo(a)anthracene

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140534.D
 Acq On : 21 Nov 2024 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	126992	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	460987	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	252108	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	449876	20.000	ng	0.00
76) Chrysene-d12	14.051	240	226512	20.000	ng	0.00
86) Perylene-d12	15.539	264	216239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	858529	115.348	ng	0.00
7) Phenol-d6	6.522	99	1119751	113.799	ng	0.00
23) Nitrobenzene-d5	7.445	82	1043537	115.789	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	317506	117.756	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1875064	110.815	ng	0.00
79) Terphenyl-d14	12.992	244	1783980	122.638	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.651	88	172855	55.237	ng	100
3) Pyridine	3.422	79	414269	60.167	ng	97
4) n-Nitrosodimethylamine	3.398	42	240667	59.472	ng	99
6) Aniline	6.545	93	388609	56.111	ng	# 75
8) 2-Chlorophenol	6.669	128	460365	57.492	ng	99
9) Benzaldehyde	6.428	77	242020	46.462	ng	98
10) Phenol	6.539	94	567815	56.506	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	457231	59.461	ng	99
12) 1,3-Dichlorobenzene	6.816	146	518683	57.647	ng	99
13) 1,4-Dichlorobenzene	6.892	146	522883	57.394	ng	99
14) 1,2-Dichlorobenzene	7.051	146	482402	56.509	ng	99
15) Benzyl Alcohol	7.022	79	415427	56.931	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	524697	57.758	ng	98
17) 2-Methylphenol	7.139	107	365400	57.006	ng	97
18) Hexachloroethane	7.386	117	194336	57.114	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	326639	56.169	ng	98
20) 3+4-Methylphenols	7.292	107	460654	55.912	ng	95
22) Acetophenone	7.292	105	636564	56.641	ng	98
24) Nitrobenzene	7.463	77	540526	58.030	ng	100
25) Isophorone	7.698	82	876972	58.340	ng	99
26) 2-Nitrophenol	7.775	139	249133	60.355	ng	100
27) 2,4-Dimethylphenol	7.816	122	285825	57.873	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	531210	58.008	ng	100
29) 2,4-Dichlorophenol	8.022	162	379082	57.925	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	431792	57.787	ng	100
31) Naphthalene	8.181	128	1359743	57.265	ng	99
32) Benzoic acid	7.969	122	265434	59.698	ng	99
33) 4-Chloroaniline	8.233	127	425356	59.831	ng	99
34) Hexachlorobutadiene	8.292	225	286614	57.911	ng	98
35) Caprolactam	8.622	113	117351	57.943	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	424528	57.938	ng	99
37) 2-Methylnaphthalene	8.869	142	857509	56.857	ng	100
38) 1-Methylnaphthalene	8.969	142	841528	56.925	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	427164	57.878	ng	99
41) Hexachlorocyclopentadiene	9.016	237	97536	60.727	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	272399	58.819	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140534.D
 Acq On : 21 Nov 2024 13:51
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Quant Time: Nov 21 15:14:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

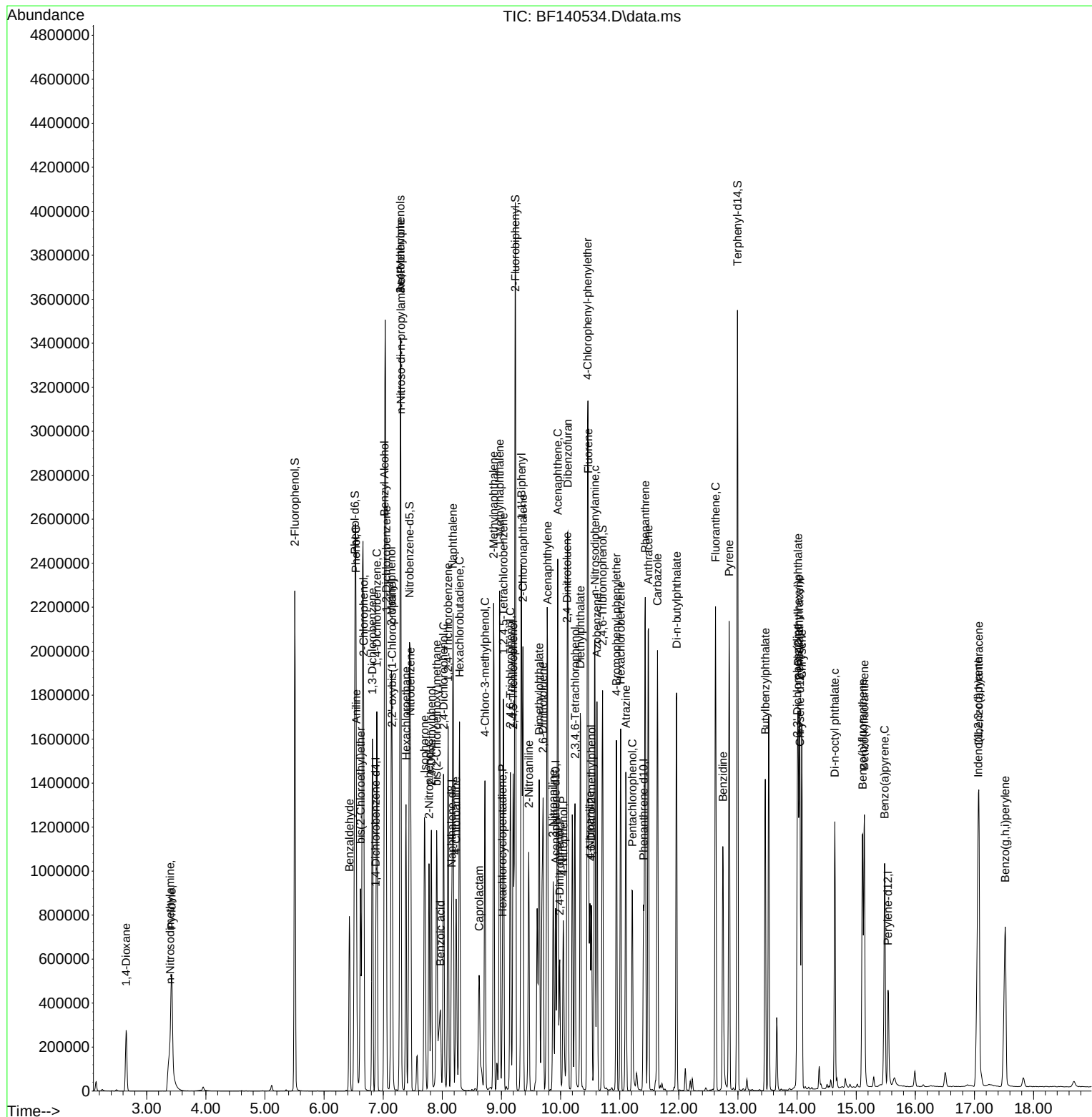
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	300029	59.694	ng	98
46) 1,1'-Biphenyl	9.339	154	1072474	56.978	ng	99
47) 2-Chloronaphthalene	9.363	162	819966	57.492	ng	99
48) 2-Nitroaniline	9.463	65	269813	58.938	ng	96
49) Acenaphthylene	9.780	152	1227568	56.965	ng	99
50) Dimethylphthalate	9.639	163	960589	57.854	ng	100
51) 2,6-Dinitrotoluene	9.704	165	221428	58.802	ng	99
52) Acenaphthene	9.951	154	784102	56.194	ng	100
53) 3-Nitroaniline	9.875	138	212165	57.607	ng	99
54) 2,4-Dinitrophenol	9.986	184	113495	60.328	ng	97
55) Dibenzofuran	10.122	168	1158263	55.459	ng	98
56) 4-Nitrophenol	10.045	139	161782	64.410	ng	96
57) 2,4-Dinitrotoluene	10.110	165	293950	58.735	ng	98
58) Fluorene	10.469	166	925678	55.218	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	230786	59.746	ng	97
60) Diethylphthalate	10.333	149	959366	56.869	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	457757	55.641	ng	99
62) 4-Nitroaniline	10.498	138	233877	60.547	ng	98
63) Azobenzene	10.616	77	912145	57.097	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	158199	68.815	ng	98
66) n-Nitrosodiphenylamine	10.580	169	783428	58.887	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	276260	59.628	ng	98
68) Hexachlorobenzene	11.016	284	317935	59.265	ng	99
69) Atrazine	11.104	200	264529	70.679	ng	100
70) Pentachlorophenol	11.216	266	162925	69.004	ng	99
71) Phenanthrene	11.433	178	1236004	57.156	ng	100
72) Anthracene	11.486	178	1220392	57.692	ng	99
73) Carbazole	11.639	167	1163411	57.171	ng	99
74) Di-n-butylphthalate	11.963	149	1359134	57.851	ng	100
75) Fluoranthene	12.621	202	1298953	55.323	ng	99
77) Benzidine	12.745	184	696576	105.771	ng	100
78) Pyrene	12.851	202	1289961	61.591	ng	100
80) Butylbenzylphthalate	13.463	149	458296	60.743	ng	98
81) Benzo(a)anthracene	14.039	228	909243	60.640	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	284725	63.247	ng	99
83) Chrysene	14.080	228	797151	58.142	ng	100
84) Bis(2-ethylhexyl)phtha...	14.015	149	571450	59.983	ng	100
85) Di-n-octyl phthalate	14.639	149	794359	61.012	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	914265	64.878	ng	98
88) Benzo(b)fluoranthene	15.109	252	782997	57.648	ng	99
89) Benzo(k)fluoranthene	15.139	252	684548	57.594	ng	100
90) Benzo(a)pyrene	15.480	252	657502	59.538	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	745614	64.606	ng	99
92) Benzo(g,h,i)perylene	17.521	276	753452	63.978	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140534.D
Acq On : 21 Nov 2024 13:51
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Nov 21 15:14:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 14:50:10 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140535.D
 Acq On : 21 Nov 2024 14:18
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Nov 21 15:15:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	111872	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	386311	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	207499	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	377113	20.000	ng	0.00
76) Chrysene-d12	14.057	240	187912	20.000	ng	0.00
86) Perylene-d12	15.539	264	185457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	976816	148.979	ng	0.01
7) Phenol-d6	6.528	99	1259345	145.284	ng	0.01
23) Nitrobenzene-d5	7.451	82	1184453	156.830	ng	0.01
42) 2,4,6-Tribromophenol	10.710	330	350473	157.926	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2050501	147.236	ng	0.00
79) Terphenyl-d14	12.992	244	1884646	156.171	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.663	88	213294	77.371	ng	100
3) Pyridine	3.434	79	504657	83.201	ng	98
4) n-Nitrosodimethylamine	3.416	42	295436	82.873	ng	99
6) Aniline	6.551	93	373764	61.261	ng	# 66
8) 2-Chlorophenol	6.675	128	512168	72.606	ng	97
10) Phenol	6.545	94	633910	71.609	ng	99
11) bis(2-Chloroethyl)ether	6.622	93	509142	75.160	ng	100
12) 1,3-Dichlorobenzene	6.822	146	576538	72.737	ng	99
13) 1,4-Dichlorobenzene	6.893	146	587901	73.253	ng	98
14) 1,2-Dichlorobenzene	7.051	146	541244	71.971	ng	99
15) Benzyl Alcohol	7.028	79	469135	72.980	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	571163	71.370	ng	89
17) 2-Methylphenol	7.140	107	412367	73.028	ng	97
18) Hexachloroethane	7.387	117	223281	74.489	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	370745	72.370	ng	97
20) 3+4-Methylphenols	7.298	107	516442	71.155	ng	91
22) Acetophenone	7.292	105	722622	76.727	ng	# 98
24) Nitrobenzene	7.469	77	605207	77.534	ng	98
25) Isophorone	7.704	82	981772	77.937	ng	100
26) 2-Nitrophenol	7.775	139	277762	80.298	ng	98
27) 2,4-Dimethylphenol	7.816	122	336239	81.241	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	591884	77.128	ng	100
29) 2,4-Dichlorophenol	8.022	162	418686	76.344	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	482134	76.997	ng	99
31) Naphthalene	8.181	128	1498520	75.309	ng	100
32) Benzoic acid	7.981	122	312770	81.021	ng	99
33) 4-Chloroaniline	8.239	127	446235	74.901	ng	99
34) Hexachlorobutadiene	8.292	225	315951	76.179	ng	99
35) Caprolactam	8.634	113	127641	75.207	ng	99
36) 4-Chloro-3-methylphenol	8.728	107	465184	75.759	ng	100
37) 2-Methylnaphthalene	8.869	142	949611	75.136	ng	100
38) 1-Methylnaphthalene	8.969	142	928964	74.987	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	468632	77.147	ng	100
41) Hexachlorocyclopentadiene	9.022	237	110015	80.520	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	302826	79.446	ng	99
44) 2,4,5-Trichlorophenol	9.204	196	325549	78.696	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140535.D
 Acq On : 21 Nov 2024 14:18
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Quant Time: Nov 21 15:15:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 14:50:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.339	154	1164092	75.141	ng	98
47) 2-Chloronaphthalene	9.363	162	905645	77.151	ng	100
48) 2-Nitroaniline	9.463	65	297813	79.040	ng	99
49) Acenaphthylene	9.781	152	1319777	74.411	ng	99
50) Dimethylphthalate	9.645	163	1041011	76.177	ng	100
51) 2,6-Dinitrotoluene	9.710	165	237697	76.693	ng	96
52) Acenaphthene	9.951	154	851353	74.130	ng	99
53) 3-Nitroaniline	9.881	138	217122	71.627	ng	95
54) 2,4-Dinitrophenol	9.986	184	127923	79.725	ng	98
55) Dibenzofuran	10.122	168	1252581	72.868	ng	98
56) 4-Nitrophenol	10.051	139	172406	83.396	ng	97
57) 2,4-Dinitrotoluene	10.116	165	314478	76.346	ng	96
58) Fluorene	10.469	166	1004537	72.805	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	258582	81.333	ng	97
60) Diethylphthalate	10.339	149	1023948	73.747	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	496862	73.378	ng	98
62) 4-Nitroaniline	10.504	138	241223	75.874	ng	99
63) Azobenzene	10.616	77	978891	74.448	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	170169	88.305	ng	98
66) n-Nitrosodiphenylamine	10.581	169	842038	75.504	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	298430	76.842	ng	98
68) Hexachlorobenzene	11.016	284	349669	77.757	ng	98
69) Atrazine	11.110	200	298744	95.222	ng	99
70) Pentachlorophenol	11.216	266	177717	89.792	ng	99
71) Phenanthrene	11.433	178	1329366	73.334	ng	100
72) Anthracene	11.486	178	1295331	73.050	ng	100
73) Carbazole	11.639	167	1238730	72.617	ng	100
74) Di-n-butylphthalate	11.963	149	1458047	74.036	ng	100
75) Fluoranthene	12.622	202	1389485	70.598	ng	99
77) Benzidine	12.745	184	564372	103.300	ng	100
78) Pyrene	12.851	202	1352459	77.840	ng	100
80) Butylbenzylphthalate	13.463	149	481834	76.981	ng	99
81) Benzo(a)anthracene	14.045	228	933395	75.038	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	295857	79.219	ng	99
83) Chrysene	14.080	228	847578	74.518	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	598926	75.781	ng	100
85) Di-n-octyl phthalate	14.639	149	842600	78.011	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	973960	80.586	ng	100
88) Benzo(b)fluoranthene	15.104	252	866416	74.378	ng	99
89) Benzo(k)fluoranthene	15.139	252	726636	71.283	ng	100
90) Benzo(a)pyrene	15.480	252	710060	74.969	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	789090	79.722	ng	99
92) Benzo(g,h,i)perylene	17.521	276	803570	79.559	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

ICVBF112124

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 16:11:44 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	106835	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	417612	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	239418	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	448820	20.000	ng	0.00
76) Chrysene-d12	14.057	240	266538	20.000	ng	0.00
86) Perylene-d12	15.551	264	215076	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	494717	79.009	ng	0.00
7) Phenol-d6	6.516	99	674309	81.459	ng	0.00
23) Nitrobenzene-d5	7.439	82	644226	78.907	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	204020	79.677	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1227501	76.390	ng	0.00
79) Terphenyl-d14	12.992	244	1291669	75.460	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.640	88	102768	39.036	ng	99
3) Pyridine	3.410	79	258925	44.701	ng	99
4) n-Nitrosodimethylamine	3.369	42	140208	41.184	ng	98
6) Aniline	6.539	93	274234	47.067	ng	91
8) 2-Chlorophenol	6.663	128	270746	40.191	ng	98
9) Benzaldehyde	6.428	77	161873	36.939	ng	99
10) Phenol	6.528	94	346860	41.030	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	257441	39.796	ng	99
12) 1,3-Dichlorobenzene	6.816	146	300749	39.732	ng	99
13) 1,4-Dichlorobenzene	6.892	146	304030	39.668	ng	100
14) 1,2-Dichlorobenzene	7.045	146	283001	39.406	ng	98
15) Benzyl Alcohol	7.016	79	257787	41.993	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314742	41.183	ng	93
17) 2-Methylphenol	7.133	107	224359	41.606	ng	98
18) Hexachloroethane	7.381	117	114809	40.108	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	205658	42.038	ng	99
20) 3+4-Methylphenols	7.286	107	287897	41.536	ng	98
22) Acetophenone	7.281	105	396692	38.963	ng	99
24) Nitrobenzene	7.457	77	330161	39.127	ng	99
25) Isophorone	7.692	82	549222	40.332	ng	99
26) 2-Nitrophenol	7.769	139	150969	40.372	ng	98
27) 2,4-Dimethylphenol	7.810	122	177031	39.568	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	331321	39.938	ng	100
29) 2,4-Dichlorophenol	8.016	162	236857	39.952	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	263327	38.901	ng	99
31) Naphthalene	8.175	128	842187	39.152	ng	99
32) Benzoic acid	7.939	122	156794	41.429	ng	98
33) 4-Chloroaniline	8.228	127	280483	43.551	ng	99
34) Hexachlorobutadiene	8.292	225	176676	39.406	ng	99
35) Caprolactam	8.604	113	74088	40.381	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	266862	40.203	ng	99
37) 2-Methylnaphthalene	8.869	142	546332	39.987	ng	99
38) 1-Methylnaphthalene	8.969	142	531502	39.688	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	272114	38.824	ng	100
41) Hexachlorocyclopentadiene	9.016	237	52730	37.711	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	173239	39.390	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF112124

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	192368	40.302	ng	99
46) 1,1'-Biphenyl	9.333	154	693007	38.769	ng	100
47) 2-Chloronaphthalene	9.357	162	530895	39.197	ng	100
48) 2-Nitroaniline	9.457	65	174060	40.037	ng	99
49) Acenaphthylene	9.774	152	795061	38.850	ng	99
50) Dimethylphthalate	9.633	163	624268	39.591	ng	99
51) 2,6-Dinitrotoluene	9.698	165	140739	39.356	ng	100
52) Acenaphthene	9.945	154	501631m	38.578	ng	
53) 3-Nitroaniline	9.874	138	143055	40.901	ng	96
54) 2,4-Dinitrophenol	9.980	184	58542	36.341	ng	99
55) Dibenzofuran	10.122	168	766460	38.644	ng	99
56) 4-Nitrophenol	10.039	139	100812	42.263	ng	99
57) 2,4-Dinitrotoluene	10.104	165	194980	41.025	ng	98
58) Fluorene	10.463	166	622708	39.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	153327	41.797	ng	97
60) Diethylphthalate	10.333	149	626046	39.078	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	308891	39.536	ng	99
62) 4-Nitroaniline	10.486	138	148087	40.369	ng	99
63) Azobenzene	10.616	77	597687	39.396	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	94340	41.134	ng	99
66) n-Nitrosodiphenylamine	10.574	169	513960	38.723	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	180160	38.977	ng	99
68) Hexachlorobenzene	11.016	284	208589	38.974	ng	99
69) Atrazine	11.098	200	129353	34.643	ng	99
70) Pentachlorophenol	11.210	266	100767	42.779	ng	98
71) Phenanthrene	11.427	178	838392	38.861	ng	99
72) Anthracene	11.480	178	819442	38.829	ng	100
73) Carbazole	11.639	167	795975	39.207	ng	100
74) Di-n-butylphthalate	11.963	149	932026	39.765	ng	99
75) Fluoranthene	12.621	202	937019	40.002	ng	100
77) Benzidine	12.745	184	304946	39.351	ng	99
78) Pyrene	12.851	202	941890	38.219	ng	99
80) Butylbenzylphthalate	13.463	149	359930	40.542	ng	97
81) Benzo(a)anthracene	14.045	228	700865	39.723	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	217249	41.011	ng	99
83) Chrysene	14.080	228	635750	39.406	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	468853	41.823	ng	99
85) Di-n-octyl phthalate	14.645	149	673561	43.965	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	546567	38.995	ng	99
88) Benzo(b)fluoranthene	15.109	252	551853	40.850	ng	100
89) Benzo(k)fluoranthene	15.145	252	474176	40.110	ng	100
90) Benzo(a)pyrene	15.486	252	439811	40.041	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	459746	40.052	ng	100
92) Benzo(g,h,i)perylene	17.521	276	463747	39.591	ng	99

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

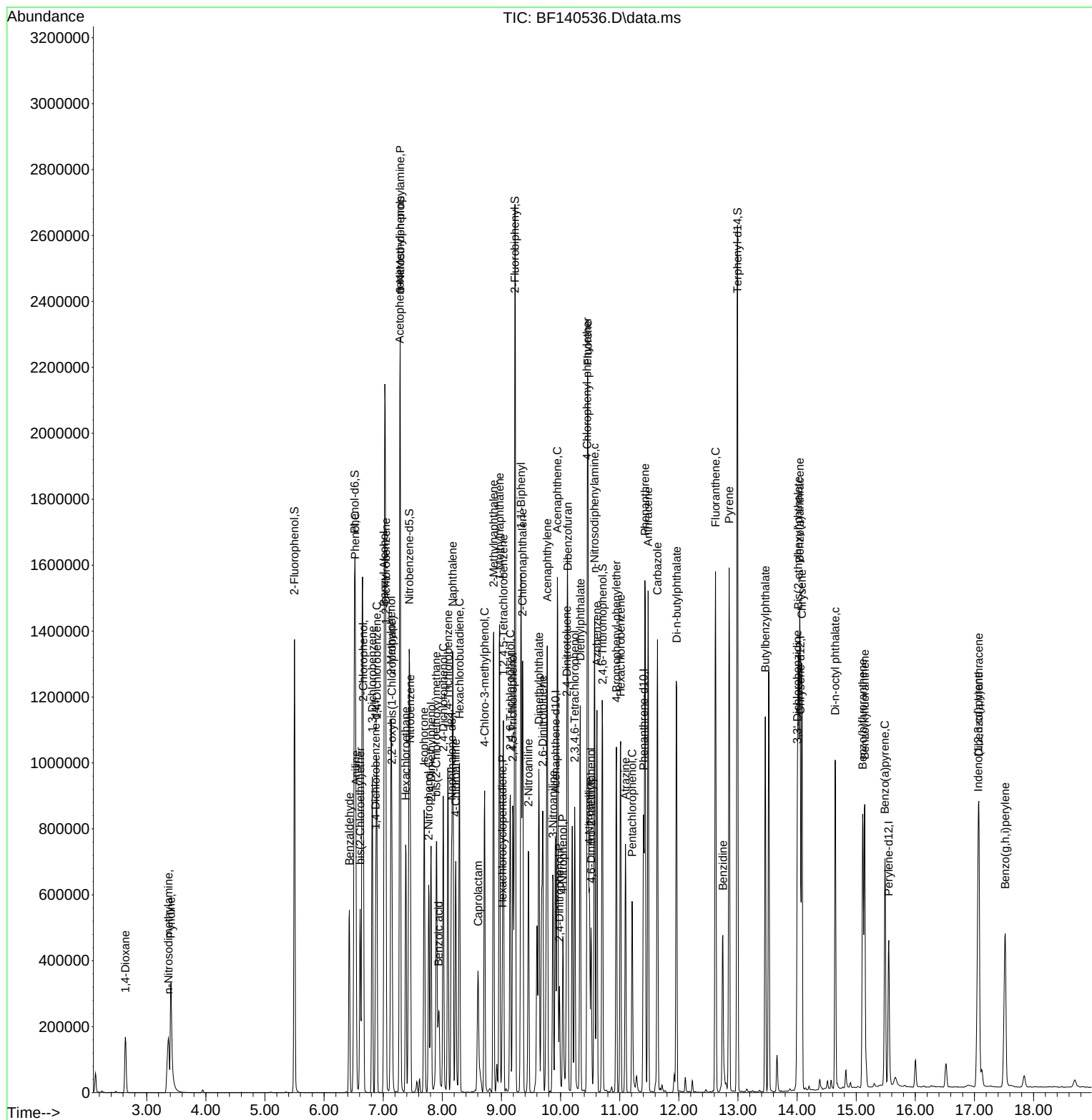
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\  
Data File : BF140536.D  
Acq On    : 21 Nov 2024   15:07  
Operator  : RC/JU  
Sample    : SSTDICV040  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 21 16:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
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 ICVBF112124

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	99	0.00
2	1,4-Dioxane	0.493	0.481	2.4	98	-0.01
3	Pyridine	1.084	1.212	-11.8	101	-0.01
4	n-Nitrosodimethylamine	0.637	0.656	-3.0	101	-0.01
5 S	2-Fluorophenol	1.172	1.158	1.2	98	0.00
6	Aniline	1.091	1.283	-17.6	102	0.00
7 S	Phenol-d6	1.550	1.578	-1.8	98	0.00
8	2-Chlorophenol	1.261	1.267	-0.5	98	0.00
9	Benzaldehyde	0.820	0.758	7.6	102	0.00
10 C	Phenol	1.583	1.623	-2.5	97	0.00
11	bis(2-Chloroethyl)ether	1.211	1.205	0.5	96	0.00
12	1,3-Dichlorobenzene	1.417	1.408	0.6	100	0.00
13 C	1,4-Dichlorobenzene	1.435	1.423	0.8	99	0.00
14	1,2-Dichlorobenzene	1.344	1.324	1.5	97	0.00
15	Benzyl Alcohol	1.149	1.206	-5.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.473	-2.9	100	0.00
17	2-Methylphenol	1.009	1.050	-4.1	100	0.00
18	Hexachloroethane	0.536	0.537	-0.2	99	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.963	-5.1	101	0.00
20	3+4-Methylphenols	1.298	1.347	-3.8	99	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22	Acetophenone	0.488	0.475	2.7	100	0.00
23 S	Nitrobenzene-d5	0.391	0.386	1.3	99	0.00
24	Nitrobenzene	0.404	0.395	2.2	99	0.00
25	Isophorone	0.652	0.658	-0.9	100	0.00
26 C	2-Nitrophenol	0.179	0.181	-1.1	101	0.00
27	2,4-Dimethylphenol	0.214	0.212	0.9	95	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.397	0.0	101	0.00
29 C	2,4-Dichlorophenol	0.284	0.284	0.0	102	0.00
30	1,2,4-Trichlorobenzene	0.324	0.315	2.8	101	0.00
31	Naphthalene	1.030	1.008	2.1	101	0.00
32	Benzoic acid	0.164	0.188	-14.6	107	0.00
33	4-Chloroaniline	0.308	0.336	-9.1	104	0.00
34 C	Hexachlorobutadiene	0.215	0.212	1.4	101	0.00
35	Caprolactam	0.088	0.089	-1.1	99	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.320	-0.6	99	0.00
37	2-Methylnaphthalene	0.654	0.654	0.0	102	0.00
38	1-Methylnaphthalene	0.641	0.636	0.8	101	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.568	3.1	103	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.110	-2.8	99	0.00
42 S	2,4,6-Tribromophenol	0.214	0.213	0.5	101	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.362	1.4	101	0.00
44	2,4,5-Trichlorophenol	0.399	0.402	-0.8	102	0.00
45 S	2-Fluorobiphenyl	1.342	1.282	4.5	101	0.00
46	1,1'-Biphenyl	1.493	1.447	3.1	102	0.00
47	2-Chloronaphthalene	1.131	1.109	1.9	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF112124

Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	0.363	0.364	-0.3	101	0.00
49	Acenaphthylene	1.710	1.660	2.9	102	0.00
50	Dimethylphthalate	1.317	1.304	1.0	103	0.00
51	2,6-Dinitrotoluene	0.299	0.294	1.7	100	0.00
52 C	Acenaphthene	1.086	1.048	3.5	101	0.00
53	3-Nitroaniline	0.292	0.299	-2.4	102	0.00
54 P	2,4-Dinitrophenol	0.122	0.122	0.0	89	0.00
55	Dibenzofuran	1.657	1.601	3.4	101	0.00
56 P	4-Nitrophenol	0.199	0.211	-6.0	104	0.00
57	2,4-Dinitrotoluene	0.397	0.407	-2.5	103	0.00
58	Fluorene	1.330	1.300	2.3	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.320	-4.6	105	0.00
60	Diethylphthalate	1.338	1.307	2.3	102	0.00
61	4-Chlorophenyl-phenylether	0.653	0.645	1.2	103	0.00
62	4-Nitroaniline	0.306	0.309	-1.0	101	0.00
63	Azobenzene	1.267	1.248	1.5	103	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.105	-2.9	98	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.573	3.0	102	0.00
67	4-Bromophenyl-phenylether	0.206	0.201	2.4	103	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	102	0.00
69	Atrazine	0.166	0.144	13.3	106	0.00
70 C	Pentachlorophenol	0.105	0.112	-6.7	99	0.00
71	Phenanthrene	0.961	0.934	2.8	101	0.00
72	Anthracene	0.940	0.913	2.9	101	0.00
73	Carbazole	0.905	0.887	2.0	102	0.00
74	Di-n-butylphthalate	1.044	1.038	0.6	104	0.00
75 C	Fluoranthene	1.044	1.044	0.0	106	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77	Benzydine	0.581	0.572	1.5	111	0.00
78	Pyrene	1.849	1.767	4.4	106	0.00
79 S	Terphenyl-d14	1.284	1.212	5.6	105	0.00
80	Butylbenzylphthalate	0.666	0.675	-1.4	111	0.00
81	Benzo(a)anthracene	1.324	1.315	0.7	114	0.00
82	3,3'-Dichlorobenzidine	0.397	0.408	-2.8	110	0.00
83	Chrysene	1.211	1.193	1.5	111	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.880	-4.6	118	0.00
85 c	Di-n-octyl phthalate	1.150	1.264	-9.9	124	0.01
86 I	Perylene-d12	1.000	1.000	0.0	102	0.01
87	Indeno(1,2,3-cd)pyrene	1.303	1.271	2.5	99	0.01
88	Benzo(b)fluoranthene	1.256	1.283	-2.1	110	0.00
89	Benzo(k)fluoranthene	1.099	1.102	-0.3	102	0.01
90 C	Benzo(a)pyrene	1.021	1.022	-0.1	103	0.01
91	Dibenzo(a,h)anthracene	1.067	1.069	-0.2	102	0.01
92	Benzo(g,h,i)perylene	1.089	1.078	1.0	101	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Quant Time: Nov 21 16:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 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\BF112124\
 Data File : BF140536.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	99	0.00
2	1,4-Dioxane	40.000	39.036	2.4	98	-0.01
3	Pyridine	40.000	44.701	-11.8	101	-0.01
4	n-Nitrosodimethylamine	40.000	41.184	-3.0	101	-0.01
5 S	2-Fluorophenol	80.000	79.009	1.2	98	0.00
6	Aniline	40.000	47.067	-17.7	102	0.00
7 S	Phenol-d6	80.000	81.459	-1.8	98	0.00
8	2-Chlorophenol	40.000	40.191	-0.5	98	0.00
9	Benzaldehyde	40.000	36.939	7.7	102	0.00
10 C	Phenol	40.000	41.030	-2.6	97	0.00
11	bis(2-Chloroethyl)ether	40.000	39.796	0.5	96	0.00
12	1,3-Dichlorobenzene	40.000	39.732	0.7	100	0.00
13 C	1,4-Dichlorobenzene	40.000	39.668	0.8	99	0.00
14	1,2-Dichlorobenzene	40.000	39.406	1.5	97	0.00
15	Benzyl Alcohol	40.000	41.993	-5.0	98	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.183	-3.0	100	0.00
17	2-Methylphenol	40.000	41.606	-4.0	100	0.00
18	Hexachloroethane	40.000	40.108	-0.3	99	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	42.038	-5.1	101	0.00
20	3+4-Methylphenols	40.000	41.536	-3.8	99	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22	Acetophenone	40.000	38.963	2.6	100	0.00
23 S	Nitrobenzene-d5	80.000	78.907	1.4	99	0.00
24	Nitrobenzene	40.000	39.127	2.2	99	0.00
25	Isophorone	40.000	40.332	-0.8	100	0.00
26 C	2-Nitrophenol	40.000	40.372	-0.9	101	0.00
27	2,4-Dimethylphenol	40.000	39.568	1.1	95	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.938	0.2	101	0.00
29 C	2,4-Dichlorophenol	40.000	39.952	0.1	102	0.00
30	1,2,4-Trichlorobenzene	40.000	38.901	2.7	101	0.00
31	Naphthalene	40.000	39.152	2.1	101	0.00
32	Benzoic acid	40.000	41.429	-3.6	107	0.00
33	4-Chloroaniline	40.000	43.551	-8.9	104	0.00
34 C	Hexachlorobutadiene	40.000	39.406	1.5	101	0.00
35	Caprolactam	40.000	40.381	-1.0	99	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.203	-0.5	99	0.00
37	2-Methylnaphthalene	40.000	39.987	0.0	102	0.00
38	1-Methylnaphthalene	40.000	39.688	0.8	101	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	38.824	2.9	103	0.00
41 P	Hexachlorocyclopentadiene	40.000	37.711	5.7	99	0.00
42 S	2,4,6-Tribromophenol	80.000	79.677	0.4	101	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.390	1.5	101	0.00
44	2,4,5-Trichlorophenol	40.000	40.302	-0.8	102	0.00
45 S	2-Fluorobiphenyl	80.000	76.390	4.5	101	0.00
46	1,1'-Biphenyl	40.000	38.769	3.1	102	0.00
47	2-Chloronaphthalene	40.000	39.197	2.0	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
 Data File : BF140536.D
 Acq On : 21 Nov 2024 15:07
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
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Quant Time: Nov 21 16:11:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	40.037	-0.1	101	0.00
49	Acenaphthylene	40.000	38.850	2.9	102	0.00
50	Dimethylphthalate	40.000	39.591	1.0	103	0.00
51	2,6-Dinitrotoluene	40.000	39.356	1.6	100	0.00
52 C	Acenaphthene	40.000	38.578	3.6	101	0.00
53	3-Nitroaniline	40.000	40.901	-2.3	102	0.00
54 P	2,4-Dinitrophenol	40.000	36.341	9.1	89	0.00
55	Dibenzofuran	40.000	38.644	3.4	101	0.00
56 P	4-Nitrophenol	40.000	42.263	-5.7	104	0.00
57	2,4-Dinitrotoluene	40.000	41.025	-2.6	103	0.00
58	Fluorene	40.000	39.115	2.2	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.797	-4.5	105	0.00
60	Diethylphthalate	40.000	39.078	2.3	102	0.00
61	4-Chlorophenyl-phenylether	40.000	39.536	1.2	103	0.00
62	4-Nitroaniline	40.000	40.369	-0.9	101	0.00
63	Azobenzene	40.000	39.396	1.5	103	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	41.134	-2.8	98	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.723	3.2	102	0.00
67	4-Bromophenyl-phenylether	40.000	38.977	2.6	103	0.00
68	Hexachlorobenzene	40.000	38.974	2.6	102	0.00
69	Atrazine	40.000	34.643	13.4	106	0.00
70 C	Pentachlorophenol	40.000	42.779	-6.9	99	0.00
71	Phenanthrene	40.000	38.861	2.8	101	0.00
72	Anthracene	40.000	38.829	2.9	101	0.00
73	Carbazole	40.000	39.207	2.0	102	0.00
74	Di-n-butylphthalate	40.000	39.765	0.6	104	0.00
75 C	Fluoranthene	40.000	40.002	-0.0	106	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77	Benzydine	40.000	39.351	1.6	111	0.00
78	Pyrene	40.000	38.219	4.5	106	0.00
79 S	Terphenyl-d14	80.000	75.460	5.7	105	0.00
80	Butylbenzylphthalate	40.000	40.542	-1.4	111	0.00
81	Benzo(a)anthracene	40.000	39.723	0.7	114	0.00
82	3,3'-Dichlorobenzidine	40.000	41.011	-2.5	110	0.00
83	Chrysene	40.000	39.406	1.5	111	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.823	-4.6	118	0.00
85 c	Di-n-octyl phthalate	40.000	43.965	-9.9	124	0.01
86 I	Perylene-d12	20.000	20.000	0.0	102	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	38.995	2.5	99	0.01
88	Benzo(b)fluoranthene	40.000	40.850	-2.1	110	0.00
89	Benzo(k)fluoranthene	40.000	40.110	-0.3	102	0.01
90 C	Benzo(a)pyrene	40.000	40.041	-0.1	103	0.01
91	Dibenzo(a,h)anthracene	40.000	40.052	-0.1	102	0.01
92	Benzo(g,h,i)perylene	40.000	39.591	1.0	101	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Quant Time: Nov 21 16:11:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.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	1.149		-1.9	
Benzaldehyde	0.951	0.802		-15.7	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.580		-5.6	20.0
bis(2-Chloroethyl)ether	1.268	1.238		-2.4	
2-Chlorophenol	1.258	1.242		-1.3	
2-Methylphenol	1.035	0.999		-3.5	
2,2-oxybis(1-Chloropropane)	1.752	1.611		-8.0	
Acetophenone	0.465	0.454		-2.4	
3+4-Methylphenols	1.295	1.228		-5.2	
n-Nitroso-di-n-propylamine	0.959	0.896	0.050	-6.6	
Nitrobenzene-d5	0.384	0.376		-2.1	
Hexachloroethane	0.520	0.509		-2.1	
Nitrobenzene	0.400	0.390		-2.5	
Isophorone	0.680	0.662		-2.6	
2-Nitrophenol	0.177	0.182		2.8	20.0
2,4-Dimethylphenol	0.227	0.228		0.4	
bis(2-Chloroethoxy)methane	0.417	0.412		-1.2	
2,4-Dichlorophenol	0.281	0.277		-1.4	20.0
Naphthalene	1.015	1.001		-1.4	
4-Chloroaniline	0.353	0.308		-12.7	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.096		3.2	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.639		-1.8	
Hexachlorocyclopentadiene	0.142	0.131	0.050	-7.7	
2,4,6-Trichlorophenol	0.363	0.356		-1.9	20.0
2-Fluorobiphenyl	1.244	1.185		-4.7	
2,4,5-Trichlorophenol	0.397	0.394		-0.8	
1,1-Biphenyl	1.455	1.398		-3.9	
2-Chloronaphthalene	1.108	1.068		-3.6	
2-Nitroaniline	0.368	0.361		-1.9	
Dimethylphthalate	1.304	1.271		-2.5	
Acenaphthylene	1.677	1.620		-3.4	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.297		-4.8	
Acenaphthene	1.133	1.097		-3.2	20.0
2,4-Dinitrophenol	0.153	0.163	0.050	6.5	
4-Nitrophenol	0.228	0.221	0.050	-3.1	



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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.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	1.546		-3.6	
2,4-Dinitrotoluene	0.391	0.391		0.0	
Diethylphthalate	1.333	1.311		-1.6	
4-Chlorophenyl-phenylether	0.625	0.608		-2.7	
Fluorene	1.267	1.222		-3.6	
4-Nitroaniline	0.319	0.319		0.0	
4,6-Dinitro-2-methylphenol	0.108	0.118		9.3	
n-Nitrosodiphenylamine	0.578	0.561		-2.9	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.198		-1.0	
Hexachlorobenzene	0.225	0.224		-0.4	
Atrazine	0.175	0.153		-12.6	
Pentachlorophenol	0.121	0.122		0.8	20.0
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.890		-3.4	
Carbazole	0.909	0.878		-3.4	
Di-n-butylphthalate	1.091	1.089		-0.2	
Fluoranthene	1.054	1.013		-3.9	20.0
Pyrene	1.711	1.804		5.4	
Terphenyl-d14	1.152	1.194		3.6	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.396		-5.3	
Benzo (a) anthracene	1.314	1.329		1.1	
Chrysene	1.199	1.120		-6.6	
Bis(2-ethylhexyl)phthalate	0.877	0.958		9.2	
Di-n-octyl phthalate	1.235	1.274		3.2	20.0
Benzo (b) fluoranthene	1.308	1.209		-7.6	
Benzo (k) fluoranthene	1.069	1.063		-0.6	
Benzo (a) pyrene	1.016	0.999		-1.7	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.265		2.4	
Dibenzo (a,h) anthracene	1.021	1.050		2.8	
Benzo (g,h,i) perylene	1.044	1.054		1.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.544		-1.6	
1,4-Dioxane	0.522	0.504		-3.4	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.317		1.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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	171491	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	639592	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	364979	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	687284	20.000	ng	0.00
76) Chrysene-d12	14.051	240	387415	20.000	ng	0.00
86) Perylene-d12	15.545	264	336604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	787994	78.454	ng	0.01
7) Phenol-d6	6.522	99	1049788	77.144	ng	0.02
23) Nitrobenzene-d5	7.445	82	962351	78.395	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	289499	79.764	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1729565	76.179	ng	0.00
79) Terphenyl-d14	12.992	244	1850283	82.901	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	172832	38.608	ng	99
3) Pyridine	3.416	79	428144	38.903	ng	99
4) n-Nitrosodimethylamine	3.375	42	215142	38.679	ng	100
6) Aniline	6.545	93	404530	34.173	ng	# 59
8) 2-Chlorophenol	6.669	128	426051	39.489	ng	98
9) Benzaldehyde	6.428	77	275132	33.734	ng	99
10) Phenol	6.534	94	541819	37.755	ng	80
11) bis(2-Chloroethyl)ether	6.616	93	424589	39.048	ng	99
12) 1,3-Dichlorobenzene	6.816	146	477931	40.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	471860	39.091	ng	99
14) 1,2-Dichlorobenzene	7.051	146	443164	39.548	ng	100
15) Benzyl Alcohol	7.022	79	386829	39.455	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	552688	36.798	ng	71
17) 2-Methylphenol	7.140	107	342515	38.591	ng	# 93
18) Hexachloroethane	7.387	117	174720	39.154	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	307154	37.372	ng	99
20) 3+4-Methylphenols	7.292	107	421150	37.942	ng	99
22) Acetophenone	7.287	105	580166	39.001	ng	99
24) Nitrobenzene	7.463	77	499492	39.081	ng	99
25) Isophorone	7.698	82	846924	38.928	ng	99
26) 2-Nitrophenol	7.775	139	233325	41.139	ng	99
27) 2,4-Dimethylphenol	7.816	122	291470m	40.141	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	526391	39.459	ng	99
29) 2,4-Dichlorophenol	8.022	162	354095	39.458	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	397157	39.752	ng	99
31) Naphthalene	8.181	128	1280078	39.453	ng	100
32) Benzoic acid	7.945	122	289465	45.304	ng	96
33) 4-Chloroaniline	8.234	127	393461	34.870	ng	100
34) Hexachlorobutadiene	8.292	225	252633	39.687	ng	99
35) Caprolactam	8.604	113	122313	41.008	ng	95
36) 4-Chloro-3-methylphenol	8.716	107	397602	39.981	ng	100
37) 2-Methylnaphthalene	8.869	142	817627	39.301	ng	100
38) 1-Methylnaphthalene	8.969	142	800228	39.279	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	397151	39.350	ng	99
41) Hexachlorocyclopentadiene	9.022	237	95452	36.835	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	259845	39.230	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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	9.198	196	287468	39.696	ng	98
46) 1,1'-Biphenyl	9.334	154	1020486	38.433	ng	100
47) 2-Chloronaphthalene	9.363	162	779794	38.553	ng	99
48) 2-Nitroaniline	9.457	65	263815	39.329	ng	97
49) Acenaphthylene	9.781	152	1182571	38.643	ng	100
50) Dimethylphthalate	9.633	163	927828	39.001	ng	100
51) 2,6-Dinitrotoluene	9.704	165	214746	39.596	ng	97
52) Acenaphthene	9.951	154	800838	38.745	ng	99
53) 3-Nitroaniline	9.875	138	216865	38.075	ng	100
54) 2,4-Dinitrophenol	9.981	184	118699	42.441	ng	98
55) Dibenzofuran	10.122	168	1128530	38.569	ng	100
56) 4-Nitrophenol	10.045	139	161221	38.806	ng	97
57) 2,4-Dinitrotoluene	10.104	165	285597	40.012	ng	99
58) Fluorene	10.463	166	891798	38.581	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	231741	40.529	ng	98
60) Diethylphthalate	10.333	149	957261	39.351	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	443760	38.886	ng	98
62) 4-Nitroaniline	10.486	138	233091	40.025	ng	98
63) Azobenzene	10.616	77	913925	38.024	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	162374	43.912	ng	99
66) n-Nitrosodiphenylamine	10.575	169	770535	38.802	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	272428	39.654	ng	99
68) Hexachlorobenzene	11.016	284	307743	39.812	ng	97
69) Atrazine	11.104	200	210416	35.023	ng	99
70) Pentachlorophenol	11.210	266	167682	40.271	ng	99
71) Phenanthrene	11.433	178	1234090	38.224	ng	100
72) Anthracene	11.480	178	1223863	38.679	ng	100
73) Carbazole	11.639	167	1206562	38.618	ng	100
74) Di-n-butylphthalate	11.963	149	1497471	39.934	ng	100
75) Fluoranthene	12.622	202	1392952	38.456	ng	99
77) Benzidine	12.739	184	403532	27.139	ng	99
78) Pyrene	12.851	202	1398048	42.188	ng	100
80) Butylbenzylphthalate	13.463	149	562104	44.155	ng	97
81) Benzo(a)anthracene	14.039	228	1030059	40.455	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	306565	37.880	ng	99
83) Chrysene	14.080	228	867443	37.339	ng	99
84) Bis(2-ethylhexyl)phtha...	14.021	149	742638	43.706	ng	99
85) Di-n-octyl phthalate	14.645	149	987420	41.261	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	851380	40.946	ng	100
88) Benzo(b)fluoranthene	15.110	252	814060	36.971	ng	99
89) Benzo(k)fluoranthene	15.139	252	715432	39.773	ng	99
90) Benzo(a)pyrene	15.480	252	672678	39.340	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	707111	41.141	ng	99
92) Benzo(g,h,i)perylene	17.509	276	709860	40.399	ng	100

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

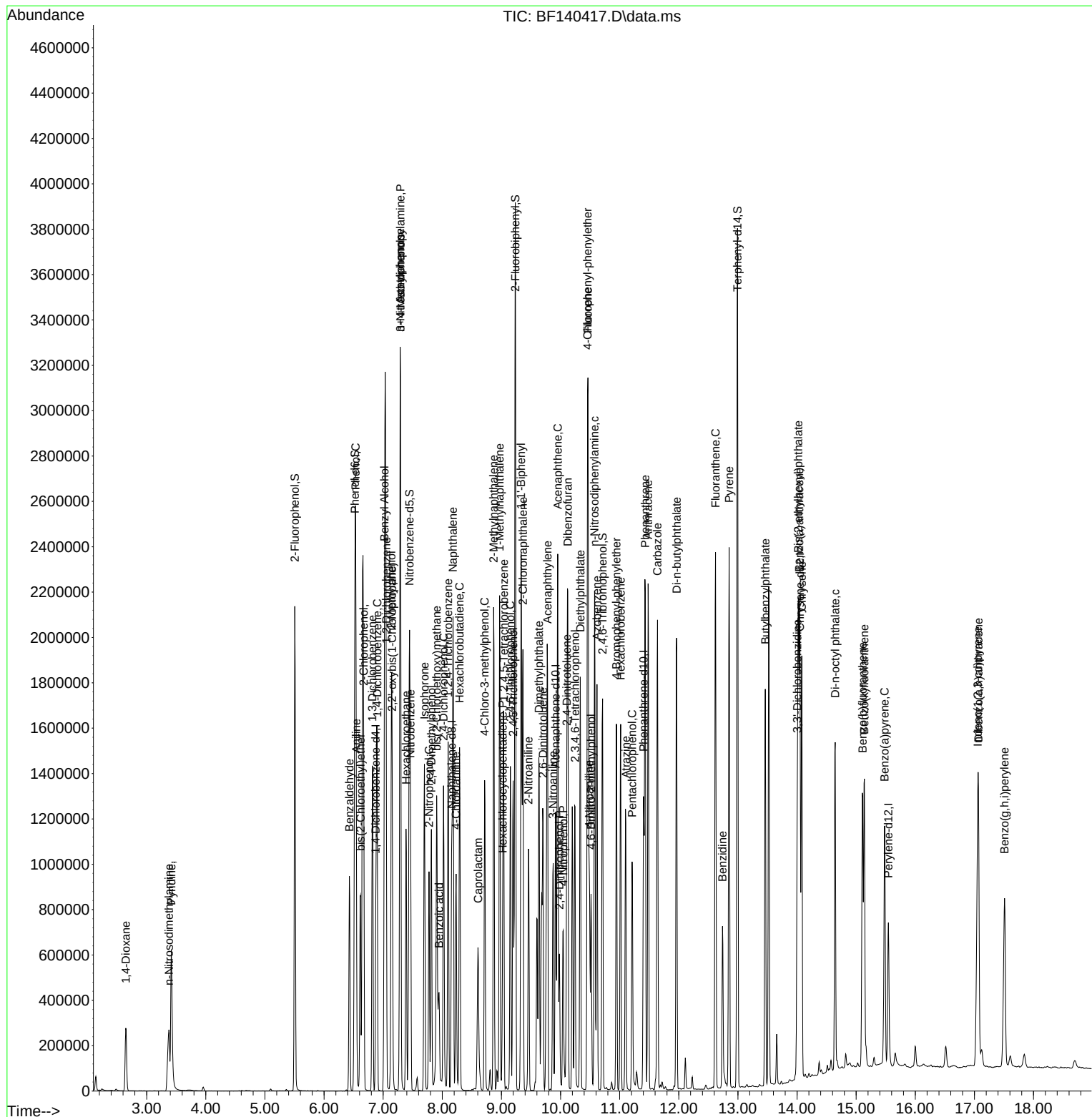
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:04:05 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	117	0.00
2	1,4-Dioxane	0.522	0.504	3.4	114	0.01
3	Pyridine	1.283	1.248	2.7	111	0.01
4	n-Nitrosodimethylamine	0.649	0.627	3.4	111	0.02
5 S	2-Fluorophenol	1.171	1.149	1.9	116	0.01
6	Aniline	1.381	1.179	14.6	95	0.00
7 S	Phenol-d6	1.587	1.530	3.6	111	0.02
8	2-Chlorophenol	1.258	1.242	1.3	115	0.00
9	Benzaldehyde	0.951	0.802	15.7	105	0.00
10 C	Phenol	1.674	1.580	5.6	107	0.01
11	bis(2-Chloroethyl)ether	1.268	1.238	2.4	114	0.00
12	1,3-Dichlorobenzene	1.388	1.393	-0.4	118	0.00
13 C	1,4-Dichlorobenzene	1.408	1.376	2.3	115	0.00
14	1,2-Dichlorobenzene	1.307	1.292	1.1	116	0.00
15	Benzyl Alcohol	1.143	1.128	1.3	109	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.611	8.0	103	0.00
17	2-Methylphenol	1.035	0.999	3.5	109	0.01
18	Hexachloroethane	0.520	0.509	2.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.896	6.6	106	0.00
20	3+4-Methylphenols	1.294	1.228	5.1	106	0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22	Acetophenone	0.465	0.454	2.4	110	0.00
23 S	Nitrobenzene-d5	0.384	0.376	2.1	109	0.00
24	Nitrobenzene	0.400	0.390	2.5	108	0.00
25	Isophorone	0.680	0.662	2.6	107	0.00
26 C	2-Nitrophenol	0.177	0.182	-2.8	111	0.00
27	2,4-Dimethylphenol	0.227	0.228	-0.4	111	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.412	1.2	110	0.00
29 C	2,4-Dichlorophenol	0.281	0.277	1.4	109	0.00
30	1,2,4-Trichlorobenzene	0.312	0.310	0.6	112	0.00
31	Naphthalene	1.015	1.001	1.4	111	0.00
32	Benzoic acid	0.200	0.226	-13.0	116	0.02
33	4-Chloroaniline	0.353	0.308	12.7	98	0.00
34 C	Hexachlorobutadiene	0.199	0.197	1.0	111	0.00
35	Caprolactam	0.093	0.096	-3.2	113	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.311	0.0	109	0.01
37	2-Methylnaphthalene	0.651	0.639	1.8	110	0.00
38	1-Methylnaphthalene	0.637	0.626	1.7	109	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.544	1.6	112	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.131	7.7	102	0.00
42 S	2,4,6-Tribromophenol	0.199	0.198	0.5	112	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.356	1.9	108	0.00
44	2,4,5-Trichlorophenol	0.397	0.394	0.8	111	0.01
45 S	2-Fluorobiphenyl	1.244	1.185	4.7	110	0.00
46	1,1'-Biphenyl	1.455	1.398	3.9	109	0.00
47	2-Chloronaphthalene	1.108	1.068	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	0.361	1.9	108	0.00
49	Acenaphthylene	1.677	1.620	3.4	108	0.00
50	Dimethylphthalate	1.304	1.271	2.5	110	0.00
51	2,6-Dinitrotoluene	0.297	0.294	1.0	108	0.00
52 C	Acenaphthene	1.133	1.097	3.2	109	0.00
53	3-Nitroaniline	0.312	0.297	4.8	104	0.00
54 P	2,4-Dinitrophenol	0.153	0.163	-6.5	120	0.00
55	Dibenzofuran	1.603	1.546	3.6	108	0.00
56 P	4-Nitrophenol	0.228	0.221	3.1	102	0.02
57	2,4-Dinitrotoluene	0.391	0.391	0.0	110	0.00
58	Fluorene	1.267	1.222	3.6	111	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.317	-1.3	109	0.00
60	Diethylphthalate	1.333	1.311	1.7	111	0.00
61	4-Chlorophenyl-phenylether	0.625	0.608	2.7	110	0.00
62	4-Nitroaniline	0.319	0.319	0.0	109	0.00
63	Azobenzene	1.317	1.252	4.9	106	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.118	-9.3	119	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.561	2.9	110	0.00
67	4-Bromophenyl-phenylether	0.200	0.198	1.0	112	0.00
68	Hexachlorobenzene	0.225	0.224	0.4	112	0.00
69	Atrazine	0.175	0.153	12.6	116	0.00
70 C	Pentachlorophenol	0.121	0.122	-0.8	105	0.00
71	Phenanthrene	0.940	0.898	4.5	109	0.00
72	Anthracene	0.921	0.890	3.4	110	0.00
73	Carbazole	0.909	0.878	3.4	110	0.00
74	Di-n-butylphthalate	1.091	1.089	0.2	111	0.00
75 C	Fluoranthene	1.054	1.013	3.9	109	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77	Benzydine	0.768	0.521	32.2#	80	0.00
78	Pyrene	1.711	1.804	-5.4	108	0.00
79 S	Terphenyl-d14	1.152	1.194	-3.6	107	0.00
80	Butylbenzylphthalate	0.657	0.725	-10.4	106	0.00
81	Benzo(a)anthracene	1.314	1.329	-1.1	106	0.00
82	3,3'-Dichlorobenzidine	0.418	0.396	5.3	99	0.00
83	Chrysene	1.199	1.120	6.6	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.877	0.958	-9.2	104	0.00
85 c	Di-n-octyl phthalate	1.235	1.274	-3.2	99	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	104	-0.01
87	Indeno(1,2,3-cd)pyrene	1.235	1.265	-2.4	105	0.00
88	Benzo(b)fluoranthene	1.308	1.209	7.6	100	0.00
89	Benzo(k)fluoranthene	1.069	1.063	0.6	105	-0.01
90 C	Benzo(a)pyrene	1.016	0.999	1.7	104	-0.01
91	Dibenzo(a,h)anthracene	1.021	1.050	-2.8	106	0.00
92	Benzo(g,h,i)perylene	1.044	1.054	-1.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 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\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	117	0.00
2	1,4-Dioxane	40.000	38.608	3.5	114	0.01
3	Pyridine	40.000	38.903	2.7	111	0.01
4	n-Nitrosodimethylamine	40.000	38.679	3.3	111	0.02
5 S	2-Fluorophenol	80.000	78.454	1.9	116	0.01
6	Aniline	40.000	34.173	14.6	95	0.00
7 S	Phenol-d6	80.000	77.144	3.6	111	0.02
8	2-Chlorophenol	40.000	39.489	1.3	115	0.00
9	Benzaldehyde	40.000	33.734	15.7	105	0.00
10 C	Phenol	40.000	37.755	5.6	107	0.01
11	bis(2-Chloroethyl)ether	40.000	39.048	2.4	114	0.00
12	1,3-Dichlorobenzene	40.000	40.148	-0.4	118	0.00
13 C	1,4-Dichlorobenzene	40.000	39.091	2.3	115	0.00
14	1,2-Dichlorobenzene	40.000	39.548	1.1	116	0.00
15	Benzyl Alcohol	40.000	39.455	1.4	109	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.798	8.0	103	0.00
17	2-Methylphenol	40.000	38.591	3.5	109	0.01
18	Hexachloroethane	40.000	39.154	2.1	115	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.372	6.6	106	0.00
20	3+4-Methylphenols	40.000	37.942	5.1	106	0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22	Acetophenone	40.000	39.001	2.5	110	0.00
23 S	Nitrobenzene-d5	80.000	78.395	2.0	109	0.00
24	Nitrobenzene	40.000	39.081	2.3	108	0.00
25	Isophorone	40.000	38.928	2.7	107	0.00
26 C	2-Nitrophenol	40.000	41.139	-2.8	111	0.00
27	2,4-Dimethylphenol	40.000	40.141	-0.4	111	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.459	1.4	110	0.00
29 C	2,4-Dichlorophenol	40.000	39.458	1.4	109	0.00
30	1,2,4-Trichlorobenzene	40.000	39.752	0.6	112	0.00
31	Naphthalene	40.000	39.453	1.4	111	0.00
32	Benzoic acid	40.000	45.304	-13.3	116	0.02
33	4-Chloroaniline	40.000	34.870	12.8	98	0.00
34 C	Hexachlorobutadiene	40.000	39.687	0.8	111	0.00
35	Caprolactam	40.000	41.008	-2.5	113	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.981	0.0	109	0.01
37	2-Methylnaphthalene	40.000	39.301	1.7	110	0.00
38	1-Methylnaphthalene	40.000	39.279	1.8	109	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.350	1.6	112	0.00
41 P	Hexachlorocyclopentadiene	40.000	36.835	7.9	102	0.00
42 S	2,4,6-Tribromophenol	80.000	79.764	0.3	112	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.230	1.9	108	0.00
44	2,4,5-Trichlorophenol	40.000	39.696	0.8	111	0.01
45 S	2-Fluorobiphenyl	80.000	76.179	4.8	110	0.00
46	1,1'-Biphenyl	40.000	38.433	3.9	109	0.00
47	2-Chloronaphthalene	40.000	38.553	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140417.D
 Acq On : 16 Nov 2024 09:34
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 00:04:05 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	39.329	1.7	108	0.00
49	Acenaphthylene	40.000	38.643	3.4	108	0.00
50	Dimethylphthalate	40.000	39.001	2.5	110	0.00
51	2,6-Dinitrotoluene	40.000	39.596	1.0	108	0.00
52 C	Acenaphthene	40.000	38.745	3.1	109	0.00
53	3-Nitroaniline	40.000	38.075	4.8	104	0.00
54 P	2,4-Dinitrophenol	40.000	42.441	-6.1	120	0.00
55	Dibenzofuran	40.000	38.569	3.6	108	0.00
56 P	4-Nitrophenol	40.000	38.806	3.0	102	0.02
57	2,4-Dinitrotoluene	40.000	40.012	-0.0	110	0.00
58	Fluorene	40.000	38.581	3.5	111	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.529	-1.3	109	0.00
60	Diethylphthalate	40.000	39.351	1.6	111	0.00
61	4-Chlorophenyl-phenylether	40.000	38.886	2.8	110	0.00
62	4-Nitroaniline	40.000	40.025	-0.1	109	0.00
63	Azobenzene	40.000	38.024	4.9	106	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.912	-9.8	119	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.802	3.0	110	0.00
67	4-Bromophenyl-phenylether	40.000	39.654	0.9	112	0.00
68	Hexachlorobenzene	40.000	39.812	0.5	112	0.00
69	Atrazine	40.000	35.023	12.4	116	0.00
70 C	Pentachlorophenol	40.000	40.271	-0.7	105	0.00
71	Phenanthrene	40.000	38.224	4.4	109	0.00
72	Anthracene	40.000	38.679	3.3	110	0.00
73	Carbazole	40.000	38.618	3.5	110	0.00
74	Di-n-butylphthalate	40.000	39.934	0.2	111	0.00
75 C	Fluoranthene	40.000	38.456	3.9	109	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77	Benzidine	40.000	27.139	32.2#	80	0.00
78	Pyrene	40.000	42.188	-5.5	108	0.00
79 S	Terphenyl-d14	80.000	82.901	-3.6	107	0.00
80	Butylbenzylphthalate	40.000	44.155	-10.4	106	0.00
81	Benzo(a)anthracene	40.000	40.455	-1.1	106	0.00
82	3,3'-Dichlorobenzidine	40.000	37.880	5.3	99	0.00
83	Chrysene	40.000	37.339	6.7	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	43.706	-9.3	104	0.00
85 c	Di-n-octyl phthalate	40.000	41.261	-3.2	99	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	104	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	40.946	-2.4	105	0.00
88	Benzo(b)fluoranthene	40.000	36.971	7.6	100	0.00
89	Benzo(k)fluoranthene	40.000	39.773	0.6	105	-0.01
90 C	Benzo(a)pyrene	40.000	39.340	1.6	104	-0.01
91	Dibenzo(a,h)anthracene	40.000	41.141	-2.9	106	0.00
92	Benzo(g,h,i)perylene	40.000	40.399	-1.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140417.D
Acq On : 16 Nov 2024 09:34
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 00:04:05 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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.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	1.135		-3.1	
Benzaldehyde	0.951	0.765		-19.6	
Phenol-d6	1.587	1.499		-5.5	
Phenol	1.674	1.571		-6.2	20.0
bis(2-Chloroethyl)ether	1.268	1.213		-4.3	
2-Chlorophenol	1.258	1.220		-3.0	
2-Methylphenol	1.035	0.990		-4.3	
2,2-oxybis(1-Chloropropane)	1.752	1.612		-8.0	
Acetophenone	0.465	0.452		-2.8	
3+4-Methylphenols	1.295	1.212		-6.4	
n-Nitroso-di-n-propylamine	0.959	0.871	0.050	-9.2	
Nitrobenzene-d5	0.384	0.377		-1.8	
Hexachloroethane	0.520	0.516		-0.8	
Nitrobenzene	0.400	0.391		-2.3	
Isophorone	0.680	0.648		-4.7	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.223		-1.8	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	0.999		-1.6	
4-Chloroaniline	0.353	0.324		-8.2	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.088		-5.4	
4-Chloro-3-methylphenol	0.311	0.303		-2.6	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.244	1.230		-1.1	
2,4,5-Trichlorophenol	0.397	0.391		-1.5	
1,1-Biphenyl	1.455	1.449		-0.4	
2-Chloronaphthalene	1.108	1.094		-1.3	
2-Nitroaniline	0.368	0.354		-3.8	
Dimethylphthalate	1.304	1.279		-1.9	
Acenaphthylene	1.677	1.643		-2.0	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.300		-3.8	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.141	0.050	-7.8	
4-Nitrophenol	0.228	0.200	0.050	-12.7	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.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	1.577		-1.6	
2,4-Dinitrotoluene	0.391	0.386		-1.3	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.630		0.8	
Fluorene	1.267	1.233		-2.7	
4-Nitroaniline	0.319	0.299		-6.3	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.582		0.7	20.0
2,4,6-Tribromophenol	0.199	0.197		-1.0	
4-Bromophenyl-phenylether	0.200	0.202		1.0	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.151		-13.7	
Pentachlorophenol	0.121	0.114		-5.8	20.0
Phenanthrene	0.940	0.912		-3.0	
Anthracene	0.921	0.909		-1.3	
Carbazole	0.909	0.879		-3.3	
Di-n-butylphthalate	1.091	1.076		-1.4	
Fluoranthene	1.054	0.995		-5.6	20.0
Pyrene	1.711	1.930		12.8	
Terphenyl-d14	1.152	1.302		13.0	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.399		-4.5	
Benzo (a) anthracene	1.314	1.317		0.2	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.911		3.9	
Di-n-octyl phthalate	1.235	1.195		-3.2	20.0
Benzo (b) fluoranthene	1.308	1.228		-6.1	
Benzo (k) fluoranthene	1.069	0.973		-9.0	
Benzo (a) pyrene	1.016	1.011		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.378		11.6	
Dibenzo (a,h) anthracene	1.021	1.147		12.3	
Benzo (g,h,i) perylene	1.044	1.170		12.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.522	0.509		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.303		-3.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140443.D
 Acq On : 18 Nov 2024 10:13
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 11:37:02 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	140634	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	521097	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	286394	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	525142	20.000	ng	0.00
76) Chrysene-d12	14.074	240	270046	20.000	ng	0.02
86) Perylene-d12	15.604	264	249102	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	638319	77.496	ng	0.01
7) Phenol-d6	6.516	99	843012	75.542	ng	0.01
23) Nitrobenzene-d5	7.439	82	785385	78.528	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	225738	79.263	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1408678	79.070	ng	0.00
79) Terphenyl-d14	12.986	244	1406133	90.383	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	143292	39.032	ng	96
3) Pyridine	3.399	79	348471	38.611	ng	100
4) n-Nitrosodimethylamine	3.352	42	168851	37.018	ng	99
6) Aniline	6.540	93	363861	37.481	ng	# 64
8) 2-Chlorophenol	6.669	128	343150	38.783	ng	97
9) Benzaldehyde	6.428	77	215292	32.189	ng	98
10) Phenol	6.528	94	441884	37.548	ng	86
11) bis(2-Chloroethyl)ether	6.610	93	341224	38.266	ng	99
12) 1,3-Dichlorobenzene	6.816	146	379613	38.886	ng	98
13) 1,4-Dichlorobenzene	6.892	146	386525	39.048	ng	100
14) 1,2-Dichlorobenzene	7.045	146	364040	39.615	ng	99
15) Benzyl Alcohol	7.016	79	310961	38.676	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	453386	36.810	ng	69
17) 2-Methylphenol	7.134	107	278345	38.242	ng	96
18) Hexachloroethane	7.387	117	145087	39.647	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	244923	36.339	ng	99
20) 3+4-Methylphenols	7.287	107	340790	37.439	ng	91
22) Acetophenone	7.281	105	470620	38.831	ng	99
24) Nitrobenzene	7.457	77	407121	39.097	ng	99
25) Isophorone	7.692	82	675586	38.114	ng	99
26) 2-Nitrophenol	7.775	139	187633	40.605	ng	99
27) 2,4-Dimethylphenol	7.810	122	232626m	39.322	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	421232	38.756	ng	100
29) 2,4-Dichlorophenol	8.022	162	291413	39.858	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	324307	39.841	ng	100
31) Naphthalene	8.181	128	1041653	39.405	ng	100
32) Benzoic acid	7.934	122	208320	40.018	ng	97
33) 4-Chloroaniline	8.228	127	337655	36.729	ng	98
34) Hexachlorobutadiene	8.292	225	211977	40.872	ng	100
35) Caprolactam	8.598	113	91546	37.673	ng	95
36) 4-Chloro-3-methylphenol	8.710	107	315617	38.954	ng	100
37) 2-Methylnaphthalene	8.869	142	669201	39.481	ng	99
38) 1-Methylnaphthalene	8.969	142	645996	38.919	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	320662	40.489	ng	100
41) Hexachlorocyclopentadiene	9.016	237	72545	35.676	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	211418	40.677	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140443.D
 Acq On : 18 Nov 2024 10:13
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 11:37:02 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

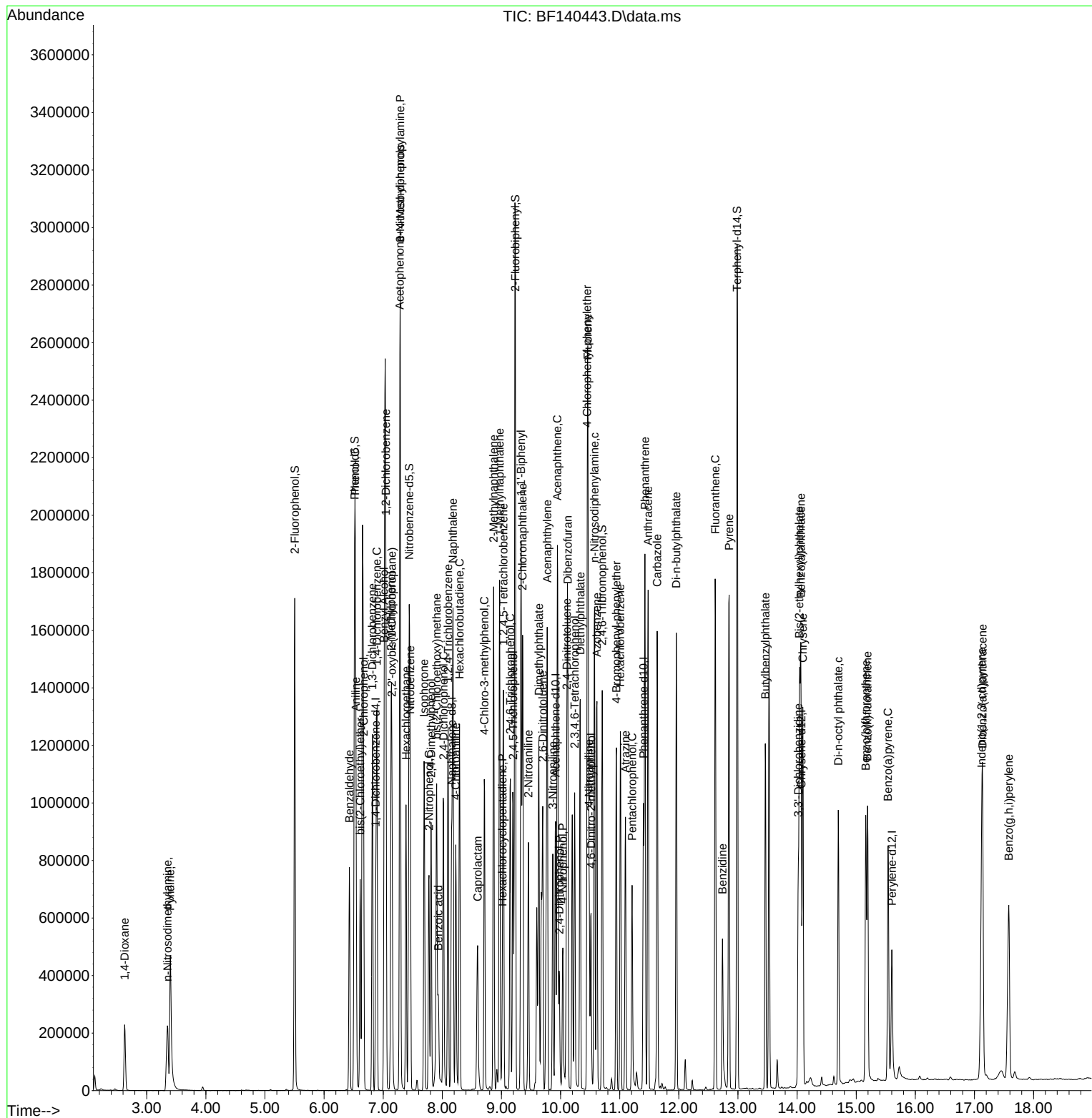
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	224161	39.448	ng	98
46) 1,1'-Biphenyl	9.334	154	829809	39.827	ng	100
47) 2-Chloronaphthalene	9.357	162	626357	39.465	ng	98
48) 2-Nitroaniline	9.457	65	202579	38.487	ng	100
49) Acenaphthylene	9.775	152	941266	39.198	ng	100
50) Dimethylphthalate	9.633	163	732412	39.235	ng	99
51) 2,6-Dinitrotoluene	9.698	165	168580	39.613	ng	98
52) Acenaphthene	9.945	154	643806	39.694	ng	100
53) 3-Nitroaniline	9.869	138	172098	38.507	ng	99
54) 2,4-Dinitrophenol	9.981	184	80840	36.836	ng	95
55) Dibenzofuran	10.122	168	903341	39.344	ng	100
56) 4-Nitrophenol	10.039	139	114271	35.053	ng	98
57) 2,4-Dinitrotoluene	10.104	165	221225	39.498	ng	100
58) Fluorene	10.463	166	706184	38.934	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	173421	38.651	ng	99
60) Diethylphthalate	10.333	149	739883	38.761	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	360602	40.270	ng	98
62) 4-Nitroaniline	10.480	138	171365	37.500	ng	99
63) Azobenzene	10.616	77	728065	38.603	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	119536	42.308	ng	94
66) n-Nitrosodiphenylamine	10.575	169	611089	40.274	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	211737	40.336	ng	99
68) Hexachlorobenzene	11.010	284	241253	40.847	ng	100
69) Atrazine	11.098	200	158192	34.460	ng	99
70) Pentachlorophenol	11.210	266	119881	37.680	ng	99
71) Phenanthrene	11.427	178	957984	38.834	ng	100
72) Anthracene	11.480	178	954854	39.494	ng	99
73) Carbazole	11.633	167	923126	38.669	ng	100
74) Di-n-butylphthalate	11.957	149	1129667	39.427	ng	100
75) Fluoranthene	12.616	202	1044851	37.753	ng	100
77) Benzidine	12.739	184	326503	31.502	ng	99
78) Pyrene	12.851	202	1042297	45.123	ng	100
80) Butylbenzylphthalate	13.463	149	391627	44.135	ng	98
81) Benzo(a)anthracene	14.063	228	711153	40.069	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	215430	38.189	ng	99
83) Chrysene	14.098	228	645188	39.842	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	492062	41.545	ng	99
85) Di-n-octyl phthalate	14.698	149	645377	38.689	ng	99
87) Indeno(1,2,3-cd)pyrene	17.121	276	686446	44.610	ng	100
88) Benzo(b)fluoranthene	15.163	252	611733	37.541	ng	99
89) Benzo(k)fluoranthene	15.192	252	484925	36.428	ng	99
90) Benzo(a)pyrene	15.539	252	503863	39.818	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	571350	44.920	ng	100
92) Benzo(g,h,i)perylene	17.580	276	582904	44.827	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140443.D
 Acq On : 18 Nov 2024 10:13
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 11:37:02 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	96	0.00
2	1,4-Dioxane	0.522	0.509	2.5	95	0.00
3	Pyridine	1.283	1.239	3.4	90	0.00
4	n-Nitrosodimethylamine	0.649	0.600	7.6	87	0.00
5 S	2-Fluorophenol	1.171	1.135	3.1	94	0.01
6	Aniline	1.381	1.294	6.3	85	0.00
7 S	Phenol-d6	1.587	1.499	5.5	89	0.01
8	2-Chlorophenol	1.258	1.220	3.0	92	0.00
9	Benzaldehyde	0.951	0.765	19.6	82	0.00
10 C	Phenol	1.674	1.571	6.2	87	0.00
11	bis(2-Chloroethyl)ether	1.268	1.213	4.3	92	0.00
12	1,3-Dichlorobenzene	1.388	1.350	2.7	94	0.00
13 C	1,4-Dichlorobenzene	1.408	1.374	2.4	94	0.00
14	1,2-Dichlorobenzene	1.307	1.294	1.0	96	0.00
15	Benzyl Alcohol	1.143	1.106	3.2	87	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.612	8.0	85	0.00
17	2-Methylphenol	1.035	0.990	4.3	89	0.00
18	Hexachloroethane	0.520	0.516	0.8	96	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.871	9.2	85	0.00
20	3+4-Methylphenols	1.294	1.212	6.3	86	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22	Acetophenone	0.465	0.452	2.8	89	0.00
23 S	Nitrobenzene-d5	0.384	0.377	1.8	89	0.00
24	Nitrobenzene	0.400	0.391	2.3	88	0.00
25	Isophorone	0.680	0.648	4.7	85	0.00
26 C	2-Nitrophenol	0.177	0.180	-1.7	89	0.00
27	2,4-Dimethylphenol	0.227	0.223	1.8	89	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.404	3.1	88	0.00
29 C	2,4-Dichlorophenol	0.281	0.280	0.4	90	0.00
30	1,2,4-Trichlorobenzene	0.312	0.311	0.3	91	0.00
31	Naphthalene	1.015	0.999	1.6	90	0.00
32	Benzoic acid	0.200	0.200	0.0	84	0.00
33	4-Chloroaniline	0.353	0.324	8.2	84	0.00
34 C	Hexachlorobutadiene	0.199	0.203	-2.0	93	0.00
35	Caprolactam	0.093	0.088	5.4	85	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.303	2.6	87	0.00
37	2-Methylnaphthalene	0.651	0.642	1.4	90	0.00
38	1-Methylnaphthalene	0.637	0.620	2.7	88	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.560	-1.3	90	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.127	10.6	78	0.00
42 S	2,4,6-Tribromophenol	0.199	0.197	1.0	88	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.369	-1.7	88	0.00
44	2,4,5-Trichlorophenol	0.397	0.391	1.5	86	0.01
45 S	2-Fluorobiphenyl	1.244	1.230	1.1	90	0.00
46	1,1'-Biphenyl	1.455	1.449	0.4	88	0.00
47	2-Chloronaphthalene	1.108	1.094	1.3	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140443.D
 Acq On : 18 Nov 2024 10:13
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 11:37:02 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	0.354	3.8	83	0.00
49	Acenaphthylene	1.677	1.643	2.0	86	0.00
50	Dimethylphthalate	1.304	1.279	1.9	87	0.00
51	2,6-Dinitrotoluene	0.297	0.294	1.0	85	0.00
52 C	Acenaphthene	1.133	1.124	0.8	88	0.00
53	3-Nitroaniline	0.312	0.300	3.8	83	0.00
54 P	2,4-Dinitrophenol	0.153	0.141	7.8	82	0.00
55	Dibenzofuran	1.603	1.577	1.6	87	0.00
56 P	4-Nitrophenol	0.228	0.199	12.7	72	0.02
57	2,4-Dinitrotoluene	0.391	0.386	1.3	85	0.00
58	Fluorene	1.267	1.233	2.7	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.303	3.2	82	0.00
60	Diethylphthalate	1.333	1.292	3.1	86	0.00
61	4-Chlorophenyl-phenylether	0.625	0.630	-0.8	89	0.00
62	4-Nitroaniline	0.319	0.299	6.3	80	0.00
63	Azobenzene	1.317	1.271	3.5	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.114	-5.6	87	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.582	-0.7	87	0.00
67	4-Bromophenyl-phenylether	0.200	0.202	-1.0	87	0.00
68	Hexachlorobenzene	0.225	0.230	-2.2	88	0.00
69	Atrazine	0.175	0.151	13.7	87	0.00
70 C	Pentachlorophenol	0.121	0.114	5.8	75	0.00
71	Phenanthrene	0.940	0.912	3.0	84	0.00
72	Anthracene	0.921	0.909	1.3	85	0.00
73	Carbazole	0.909	0.879	3.3	84	0.00
74	Di-n-butylphthalate	1.091	1.076	1.4	84	0.00
75 C	Fluoranthene	1.054	0.995	5.6	82	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	70	0.02
77	Benzidine	0.768	0.605	21.2	65	0.00
78	Pyrene	1.711	1.930	-12.8	80	0.00
79 S	Terphenyl-d14	1.152	1.302	-13.0	81	0.00
80	Butylbenzylphthalate	0.657	0.725	-10.4	74	0.00
81	Benzo(a)anthracene	1.314	1.317	-0.2	73	0.02
82	3,3'-Dichlorobenzidine	0.418	0.399	4.5	69	0.02
83	Chrysene	1.199	1.195	0.3	72	0.02
84	Bis(2-ethylhexyl)phthalate	0.877	0.911	-3.9	69	0.02
85 c	Di-n-octyl phthalate	1.235	1.195	3.2	65	0.04
86 I	Perylene-d12	1.000	1.000	0.0	77	0.05
87	Indeno(1,2,3-cd)pyrene	1.235	1.378	-11.6	85	0.06
88	Benzo(b)fluoranthene	1.308	1.228	6.1	75	0.05
89	Benzo(k)fluoranthene	1.069	0.973	9.0	71	0.04
90 C	Benzo(a)pyrene	1.016	1.011	0.5	78	0.05
91	Dibenzo(a,h)anthracene	1.021	1.147	-12.3	85	0.06
92	Benzo(g,h,i)perylene	1.044	1.170	-12.1	85	0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140443.D
Acq On : 18 Nov 2024 10:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 11:37:02 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\BF111824\
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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	96	0.00
2	1,4-Dioxane	40.000	39.032	2.4	95	0.00
3	Pyridine	40.000	38.611	3.5	90	0.00
4	n-Nitrosodimethylamine	40.000	37.018	7.5	87	0.00
5 S	2-Fluorophenol	80.000	77.496	3.1	94	0.01
6	Aniline	40.000	37.481	6.3	85	0.00
7 S	Phenol-d6	80.000	75.542	5.6	89	0.01
8	2-Chlorophenol	40.000	38.783	3.0	92	0.00
9	Benzaldehyde	40.000	32.189	19.5	82	0.00
10 C	Phenol	40.000	37.548	6.1	87	0.00
11	bis(2-Chloroethyl)ether	40.000	38.266	4.3	92	0.00
12	1,3-Dichlorobenzene	40.000	38.886	2.8	94	0.00
13 C	1,4-Dichlorobenzene	40.000	39.048	2.4	94	0.00
14	1,2-Dichlorobenzene	40.000	39.615	1.0	96	0.00
15	Benzyl Alcohol	40.000	38.676	3.3	87	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.810	8.0	85	0.00
17	2-Methylphenol	40.000	38.242	4.4	89	0.00
18	Hexachloroethane	40.000	39.647	0.9	96	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	36.339	9.2	85	0.00
20	3+4-Methylphenols	40.000	37.439	6.4	86	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22	Acetophenone	40.000	38.831	2.9	89	0.00
23 S	Nitrobenzene-d5	80.000	78.528	1.8	89	0.00
24	Nitrobenzene	40.000	39.097	2.3	88	0.00
25	Isophorone	40.000	38.114	4.7	85	0.00
26 C	2-Nitrophenol	40.000	40.605	-1.5	89	0.00
27	2,4-Dimethylphenol	40.000	39.322	1.7	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	38.756	3.1	88	0.00
29 C	2,4-Dichlorophenol	40.000	39.858	0.4	90	0.00
30	1,2,4-Trichlorobenzene	40.000	39.841	0.4	91	0.00
31	Naphthalene	40.000	39.405	1.5	90	0.00
32	Benzoic acid	40.000	40.018	-0.0	84	0.00
33	4-Chloroaniline	40.000	36.729	8.2	84	0.00
34 C	Hexachlorobutadiene	40.000	40.872	-2.2	93	0.00
35	Caprolactam	40.000	37.673	5.8	85	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.954	2.6	87	0.00
37	2-Methylnaphthalene	40.000	39.481	1.3	90	0.00
38	1-Methylnaphthalene	40.000	38.919	2.7	88	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.489	-1.2	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	35.676	10.8	78	0.00
42 S	2,4,6-Tribromophenol	80.000	79.263	0.9	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.677	-1.7	88	0.00
44	2,4,5-Trichlorophenol	40.000	39.448	1.4	86	0.01
45 S	2-Fluorobiphenyl	80.000	79.070	1.2	90	0.00
46	1,1'-Biphenyl	40.000	39.827	0.4	88	0.00
47	2-Chloronaphthalene	40.000	39.465	1.3	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140443.D
 Acq On : 18 Nov 2024 10:13
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 18 11:37:02 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	38.487	3.8	83	0.00
49	Acenaphthylene	40.000	39.198	2.0	86	0.00
50	Dimethylphthalate	40.000	39.235	1.9	87	0.00
51	2,6-Dinitrotoluene	40.000	39.613	1.0	85	0.00
52 C	Acenaphthene	40.000	39.694	0.8	88	0.00
53	3-Nitroaniline	40.000	38.507	3.7	83	0.00
54 P	2,4-Dinitrophenol	40.000	36.836	7.9	82	0.00
55	Dibenzofuran	40.000	39.344	1.6	87	0.00
56 P	4-Nitrophenol	40.000	35.053	12.4	72	0.02
57	2,4-Dinitrotoluene	40.000	39.498	1.3	85	0.00
58	Fluorene	40.000	38.934	2.7	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	38.651	3.4	82	0.00
60	Diethylphthalate	40.000	38.761	3.1	86	0.00
61	4-Chlorophenyl-phenylether	40.000	40.270	-0.7	89	0.00
62	4-Nitroaniline	40.000	37.500	6.3	80	0.00
63	Azobenzene	40.000	38.603	3.5	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.308	-5.8	87	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.274	-0.7	87	0.00
67	4-Bromophenyl-phenylether	40.000	40.336	-0.8	87	0.00
68	Hexachlorobenzene	40.000	40.847	-2.1	88	0.00
69	Atrazine	40.000	34.460	13.8	87	0.00
70 C	Pentachlorophenol	40.000	37.680	5.8	75	0.00
71	Phenanthrene	40.000	38.834	2.9	84	0.00
72	Anthracene	40.000	39.494	1.3	85	0.00
73	Carbazole	40.000	38.669	3.3	84	0.00
74	Di-n-butylphthalate	40.000	39.427	1.4	84	0.00
75 C	Fluoranthene	40.000	37.753	5.6	82	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	70	0.02
77	Benzydine	40.000	31.502	21.2	65	0.00
78	Pyrene	40.000	45.123	-12.8	80	0.00
79 S	Terphenyl-d14	80.000	90.383	-13.0	81	0.00
80	Butylbenzylphthalate	40.000	44.135	-10.3	74	0.00
81	Benzo(a)anthracene	40.000	40.069	-0.2	73	0.02
82	3,3'-Dichlorobenzidine	40.000	38.189	4.5	69	0.02
83	Chrysene	40.000	39.842	0.4	72	0.02
84	Bis(2-ethylhexyl)phthalate	40.000	41.545	-3.9	69	0.02
85 c	Di-n-octyl phthalate	40.000	38.689	3.3	65	0.04
86 I	Perylene-d12	20.000	20.000	0.0	77	0.05
87	Indeno(1,2,3-cd)pyrene	40.000	44.610	-11.5	85	0.06
88	Benzo(b)fluoranthene	40.000	37.541	6.1	75	0.05
89	Benzo(k)fluoranthene	40.000	36.428	8.9	71	0.04
90 C	Benzo(a)pyrene	40.000	39.818	0.5	78	0.05
91	Dibenzo(a,h)anthracene	40.000	44.920	-12.3	85	0.06
92	Benzo(g,h,i)perylene	40.000	44.827	-12.1	85	0.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140443.D
Acq On : 18 Nov 2024 10:13
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 18 11:37:02 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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 15:59

Lab File ID: BF140501.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	1.206		3.0	
Benzaldehyde	0.951	1.414		48.7	
Phenol-d6	1.587	1.601		0.9	
Phenol	1.674	1.671		-0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.316		3.8	
2-Chlorophenol	1.258	1.293		2.8	
2-Methylphenol	1.035	1.046		1.1	
2,2-oxybis(1-Chloropropane)	1.752	1.618		-7.6	
Acetophenone	0.465	0.469		0.9	
3+4-Methylphenols	1.295	1.291		-0.3	
n-Nitroso-di-n-propylamine	0.959	0.908	0.050	-5.3	
Nitrobenzene-d5	0.384	0.393		2.3	
Hexachloroethane	0.520	0.541		4.0	
Nitrobenzene	0.400	0.413		3.3	
Isophorone	0.680	0.677		-0.4	
2-Nitrophenol	0.177	0.190		7.3	20.0
2,4-Dimethylphenol	0.227	0.234		3.1	
bis(2-Chloroethoxy)methane	0.417	0.417		0.0	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.038		2.3	
4-Chloroaniline	0.353	0.305		-13.6	
Hexachlorobutadiene	0.199	0.207		4.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.311	0.317		1.9	20.0
2-Methylnaphthalene	0.651	0.658		1.1	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.378		4.1	20.0
2-Fluorobiphenyl	1.244	1.264		1.6	
2,4,5-Trichlorophenol	0.397	0.416		4.8	
1,1-Biphenyl	1.455	1.494		2.7	
2-Chloronaphthalene	1.108	1.143		3.2	
2-Nitroaniline	0.368	0.382		3.8	
Dimethylphthalate	1.304	1.338		2.6	
Acenaphthylene	1.677	1.745		4.1	
2,6-Dinitrotoluene	0.297	0.313		5.4	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.181		4.2	20.0
2,4-Dinitrophenol	0.153	0.153	0.050	0.0	
4-Nitrophenol	0.228	0.220	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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 15:59

Lab File ID: BF140501.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	1.635		2.0	
2,4-Dinitrotoluene	0.391	0.418		6.9	
Diethylphthalate	1.333	1.348		1.1	
4-Chlorophenyl-phenylether	0.625	0.637		1.9	
Fluorene	1.267	1.308		3.2	
4-Nitroaniline	0.319	0.312		-2.2	
4,6-Dinitro-2-methylphenol	0.108	0.122		13.0	
n-Nitrosodiphenylamine	0.578	0.589		1.9	20.0
2,4,6-Tribromophenol	0.199	0.209		5.0	
4-Bromophenyl-phenylether	0.200	0.205		2.5	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.150		-14.3	
Pentachlorophenol	0.121	0.121		0.0	20.0
Phenanthrene	0.940	0.938		-0.2	
Anthracene	0.921	0.933		1.3	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.080		-1.0	
Fluoranthene	1.054	1.030		-2.3	20.0
Pyrene	1.711	1.843		7.7	
Terphenyl-d14	1.152	1.233		7.0	
Butylbenzylphthalate	0.657	0.698		6.2	
3,3-Dichlorobenzidine	0.418	0.413		-1.2	
Benzo (a) anthracene	1.314	1.378		4.9	
Chrysene	1.199	1.184		-1.3	
Bis(2-ethylhexyl)phthalate	0.877	0.903		3.0	
Di-n-octyl phthalate	1.235	1.287		4.2	20.0
Benzo (b) fluoranthene	1.308	1.302		-0.5	
Benzo (k) fluoranthene	1.069	1.034		-3.3	
Benzo (a) pyrene	1.016	1.037		2.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.266		2.5	
Dibenzo (a,h) anthracene	1.021	1.045		2.4	
Benzo (g,h,i) perylene	1.044	1.064		1.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.576		4.2	
1,4-Dioxane	0.522	0.543		4.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.330		5.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 16:43:30 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	136554	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	508396	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	278192	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	526085	20.000	ng	0.00
76) Chrysene-d12	14.045	240	294226	20.000	ng	0.00
86) Perylene-d12	15.533	264	277583	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	658550	82.341	ng	0.00
7) Phenol-d6	6.516	99	874697	80.723	ng	0.01
23) Nitrobenzene-d5	7.440	82	799594	81.946	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	232158	83.921	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1406445	81.272	ng	0.00
79) Terphenyl-d14	12.986	244	1450760	85.588	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.634	88	148229	41.583	ng	98
3) Pyridine	3.410	79	337687	38.534	ng	99
4) n-Nitrosodimethylamine	3.363	42	177689	40.119	ng	98
6) Aniline	6.540	93	298762	31.695	ng	# 45
8) 2-Chlorophenol	6.663	128	353128	41.103	ng	100
9) Benzaldehyde	6.428	77	386187	59.466	ng	99
10) Phenol	6.534	94	456281	39.929	ng	85
11) bis(2-Chloroethyl)ether	6.610	93	359301	41.497	ng	99
12) 1,3-Dichlorobenzene	6.816	146	392904	41.450	ng	100
13) 1,4-Dichlorobenzene	6.893	146	394309	41.024	ng	99
14) 1,2-Dichlorobenzene	7.045	146	367537	41.191	ng	99
15) Benzyl Alcohol	7.016	79	314585	40.296	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	441842	36.944	ng	57
17) 2-Methylphenol	7.134	107	285631	40.415	ng	95
18) Hexachloroethane	7.387	117	147863	41.613	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	248117	37.913	ng	100
20) 3+4-Methylphenols	7.287	107	352594	39.893	ng	# 90
22) Acetophenone	7.281	105	477359	40.371	ng	# 98
24) Nitrobenzene	7.457	77	419522	41.294	ng	99
25) Isophorone	7.692	82	688455	39.810	ng	100
26) 2-Nitrophenol	7.775	139	193108	42.834	ng	97
27) 2,4-Dimethylphenol	7.810	122	237712m	41.186	ng	
28) bis(2-Chloroethoxy)met...	7.904	93	424418	40.025	ng	100
29) 2,4-Dichlorophenol	8.022	162	298717	41.877	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	328407	41.353	ng	100
31) Naphthalene	8.181	128	1055886	40.942	ng	100
32) Benzoic acid	7.940	122	205294	40.422	ng	98
33) 4-Chloroaniline	8.234	127	310449	34.613	ng	98
34) Hexachlorobutadiene	8.292	225	210038	41.510	ng	99
35) Caprolactam	8.598	113	97010	40.918	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	322093	40.746	ng	98
37) 2-Methylnaphthalene	8.869	142	668766	40.441	ng	100
38) 1-Methylnaphthalene	8.969	142	651971	40.261	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	320411	41.650	ng	100
41) Hexachlorocyclopentadiene	9.016	237	70490	35.688	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	210199	41.635	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 16:43:30 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	9.198	196	231494	41.939	ng	98
46) 1,1'-Biphenyl	9.334	154	831126	41.067	ng	99
47) 2-Chloronaphthalene	9.357	162	636215	41.268	ng	99
48) 2-Nitroaniline	9.457	65	212637	41.589	ng	99
49) Acenaphthylene	9.775	152	971132	41.634	ng	100
50) Dimethylphthalate	9.634	163	744636	41.066	ng	100
51) 2,6-Dinitrotoluene	9.698	165	173934	42.076	ng	98
52) Acenaphthene	9.945	154	656832	41.692	ng	99
53) 3-Nitroaniline	9.869	138	174247	40.137	ng	96
54) 2,4-Dinitrophenol	9.981	184	85216	39.975	ng	96
55) Dibenzofuran	10.116	168	909462	40.778	ng	100
56) 4-Nitrophenol	10.039	139	122321	38.628	ng	98
57) 2,4-Dinitrotoluene	10.104	165	232839	42.797	ng	99
58) Fluorene	10.463	166	727859	41.312	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	183532	42.111	ng	99
60) Diethylphthalate	10.328	149	749917	40.445	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	354149	40.715	ng	100
62) 4-Nitroaniline	10.486	138	173374	39.058	ng	96
63) Azobenzene	10.610	77	724772	39.561	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	128673	45.460	ng	93
66) n-Nitrosodiphenylamine	10.569	169	619373	40.747	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	216149	41.102	ng	98
68) Hexachlorobenzene	11.010	284	242459	40.977	ng	99
69) Atrazine	11.098	200	157699	34.291	ng	99
70) Pentachlorophenol	11.210	266	126906	39.817	ng	99
71) Phenanthrene	11.428	178	987185	39.946	ng	100
72) Anthracene	11.480	178	981837	40.538	ng	100
73) Carbazole	11.633	167	959121	40.105	ng	99
74) Di-n-butylphthalate	11.957	149	1136061	39.579	ng	100
75) Fluoranthene	12.616	202	1083488	39.078	ng	100
77) Benzidine	12.739	184	364136	32.246	ng	99
78) Pyrene	12.845	202	1084803	43.104	ng	100
80) Butylbenzylphthalate	13.457	149	410539	42.464	ng	99
81) Benzo(a)anthracene	14.033	228	810665	41.922	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	242862	39.513	ng	98
83) Chrysene	14.074	228	697007	39.505	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	531226	41.166	ng	99
85) Di-n-octyl phthalate	14.633	149	757391	41.673	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	703084	41.003	ng	100
88) Benzo(b)fluoranthene	15.098	252	722822	39.807	ng	99
89) Benzo(k)fluoranthene	15.127	252	574185	38.708	ng	98
90) Benzo(a)pyrene	15.474	252	575687	40.826	ng	99
91) Dibenzo(a,h)anthracene	17.057	278	580162	40.932	ng	100
92) Benzo(g,h,i)perylene	17.498	276	590600	40.759	ng	99

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

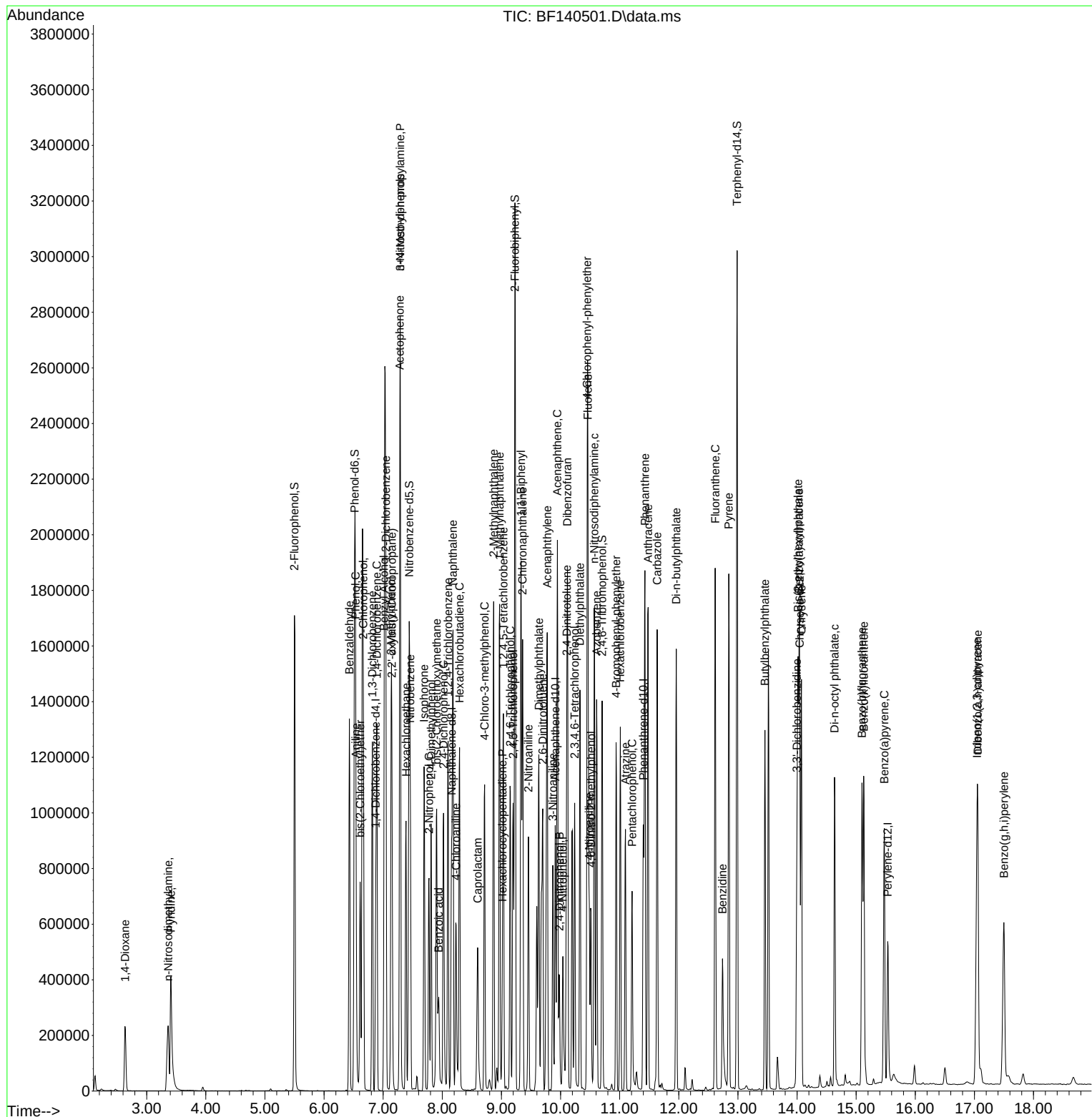
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140501.D
Acq On : 20 Nov 2024 15:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
Supervised By :mohammad ahmed 11/22/2024

Quant Time: Nov 20 16:43:30 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 20 16:43:30 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	93	0.00
2	1,4-Dioxane	0.522	0.543	-4.0	98	0.00
3	Pyridine	1.283	1.236	3.7	87	0.00
4	n-Nitrosodimethylamine	0.649	0.651	-0.3	92	0.00
5 S	2-Fluorophenol	1.171	1.206	-3.0	97	0.00
6	Aniline	1.381	1.094	20.8	70	0.00
7 S	Phenol-d6	1.587	1.601	-0.9	93	0.01
8	2-Chlorophenol	1.258	1.293	-2.8	95	0.00
9	Benzaldehyde	0.951	1.414	-48.7#	147	0.00
10 C	Phenol	1.674	1.671	0.2	90	0.01
11	bis(2-Chloroethyl)ether	1.268	1.316	-3.8	97	0.00
12	1,3-Dichlorobenzene	1.388	1.439	-3.7	97	0.00
13 C	1,4-Dichlorobenzene	1.408	1.444	-2.6	96	0.00
14	1,2-Dichlorobenzene	1.307	1.346	-3.0	96	0.00
15	Benzyl Alcohol	1.143	1.152	-0.8	88	0.00
16	2,2'-oxybis(1-Chloropropane	1.752	1.618	7.6	83	0.00
17	2-Methylphenol	1.035	1.046	-1.1	91	0.00
18	Hexachloroethane	0.520	0.541	-4.0	98	0.00
19 P	n-Nitroso-di-n-propylamine	0.959	0.908	5.3	86	0.00
20	3+4-Methylphenols	1.294	1.291	0.2	89	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	86	0.00
22	Acetophenone	0.465	0.469	-0.9	90	0.00
23 S	Nitrobenzene-d5	0.384	0.393	-2.3	90	0.00
24	Nitrobenzene	0.400	0.413	-3.2	91	0.00
25	Isophorone	0.680	0.677	0.4	87	0.00
26 C	2-Nitrophenol	0.177	0.190	-7.3	92	0.00
27	2,4-Dimethylphenol	0.227	0.234	-3.1	91	0.00
28	bis(2-Chloroethoxy)methane	0.417	0.417	0.0	89	0.00
29 C	2,4-Dichlorophenol	0.281	0.294	-4.6	92	0.00
30	1,2,4-Trichlorobenzene	0.312	0.323	-3.5	92	0.00
31	Naphthalene	1.015	1.038	-2.3	91	0.00
32	Benzoic acid	0.200	0.202	-1.0	82	0.01
33	4-Chloroaniline	0.353	0.305	13.6	78	0.00
34 C	Hexachlorobutadiene	0.199	0.207	-4.0	92	0.00
35	Caprolactam	0.093	0.095	-2.2	90	0.00
36 C	4-Chloro-3-methylphenol	0.311	0.317	-1.9	88	0.01
37	2-Methylnaphthalene	0.651	0.658	-1.1	90	0.00
38	1-Methylnaphthalene	0.637	0.641	-0.6	88	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.576	-4.2	90	0.00
41 P	Hexachlorocyclopentadiene	0.142	0.127	10.6	76	0.00
42 S	2,4,6-Tribromophenol	0.199	0.209	-5.0	90	0.00
43 C	2,4,6-Trichlorophenol	0.363	0.378	-4.1	87	0.00
44	2,4,5-Trichlorophenol	0.397	0.416	-4.8	89	0.01
45 S	2-Fluorobiphenyl	1.244	1.264	-1.6	90	0.00
46	1,1'-Biphenyl	1.455	1.494	-2.7	88	0.00
47	2-Chloronaphthalene	1.108	1.143	-3.2	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 20 16:43:30 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	0.382	-3.8	87	0.00
49	Acenaphthylene	1.677	1.745	-4.1	89	0.00
50	Dimethylphthalate	1.304	1.338	-2.6	88	0.00
51	2,6-Dinitrotoluene	0.297	0.313	-5.4	87	0.00
52 C	Acenaphthene	1.133	1.181	-4.2	90	0.00
53	3-Nitroaniline	0.312	0.313	-0.3	84	0.00
54 P	2,4-Dinitrophenol	0.153	0.153	0.0	86	0.00
55	Dibenzofuran	1.603	1.635	-2.0	87	0.00
56 P	4-Nitrophenol	0.228	0.220	3.5	77	0.02
57	2,4-Dinitrotoluene	0.391	0.418	-6.9	90	0.00
58	Fluorene	1.267	1.308	-3.2	91	0.00
59	2,3,4,6-Tetrachlorophenol	0.313	0.330	-5.4	86	0.00
60	Diethylphthalate	1.333	1.348	-1.1	87	0.00
61	4-Chlorophenyl-phenylether	0.625	0.637	-1.9	88	0.00
62	4-Nitroaniline	0.319	0.312	2.2	81	0.00
63	Azobenzene	1.317	1.303	1.1	84	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	0.108	0.122	-13.0	94	0.00
66 c	n-Nitrosodiphenylamine	0.578	0.589	-1.9	88	0.00
67	4-Bromophenyl-phenylether	0.200	0.205	-2.5	89	0.00
68	Hexachlorobenzene	0.225	0.230	-2.2	89	0.00
69	Atrazine	0.175	0.150	14.3	87	0.00
70 C	Pentachlorophenol	0.121	0.121	0.0	79	0.00
71	Phenanthrene	0.940	0.938	0.2	87	0.00
72	Anthracene	0.921	0.933	-1.3	88	0.00
73	Carbazole	0.909	0.912	-0.3	87	0.00
74	Di-n-butylphthalate	1.091	1.080	1.0	84	0.00
75 C	Fluoranthene	1.054	1.030	2.3	85	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77	Benzydine	0.768	0.619	19.4	72	0.00
78	Pyrene	1.711	1.843	-7.7	84	0.00
79 S	Terphenyl-d14	1.152	1.233	-7.0	84	0.00
80	Butylbenzylphthalate	0.657	0.698	-6.2	77	0.00
81	Benzo(a)anthracene	1.314	1.378	-4.9	83	0.00
82	3,3'-Dichlorobenzidine	0.418	0.413	1.2	78	0.00
83	Chrysene	1.199	1.184	1.3	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.877	0.903	-3.0	74	0.00
85 c	Di-n-octyl phthalate	1.235	1.287	-4.2	76	-0.03
86 I	Perylene-d12	1.000	1.000	0.0	86	-0.02
87	Indeno(1,2,3-cd)pyrene	1.235	1.266	-2.5	87	-0.01
88	Benzo(b)fluoranthene	1.308	1.302	0.5	89	-0.02
89	Benzo(k)fluoranthene	1.069	1.034	3.3	84	-0.02
90 C	Benzo(a)pyrene	1.016	1.037	-2.1	89	-0.02
91	Dibenzo(a,h)anthracene	1.021	1.045	-2.4	87	-0.02
92	Benzo(g,h,i)perylene	1.044	1.064	-1.9	86	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140501.D
Acq On : 20 Nov 2024 15:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 20 16:43:30 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\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
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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	93	0.00
2	1,4-Dioxane	40.000	41.583	-4.0	98	0.00
3	Pyridine	40.000	38.534	3.7	87	0.00
4	n-Nitrosodimethylamine	40.000	40.119	-0.3	92	0.00
5 S	2-Fluorophenol	80.000	82.341	-2.9	97	0.00
6	Aniline	40.000	31.695	20.8	70	0.00
7 S	Phenol-d6	80.000	80.723	-0.9	93	0.01
8	2-Chlorophenol	40.000	41.103	-2.8	95	0.00
9	Benzaldehyde	40.000	59.466	-48.7#	147	0.00
10 C	Phenol	40.000	39.929	0.2	90	0.01
11	bis(2-Chloroethyl)ether	40.000	41.497	-3.7	97	0.00
12	1,3-Dichlorobenzene	40.000	41.450	-3.6	97	0.00
13 C	1,4-Dichlorobenzene	40.000	41.024	-2.6	96	0.00
14	1,2-Dichlorobenzene	40.000	41.191	-3.0	96	0.00
15	Benzyl Alcohol	40.000	40.296	-0.7	88	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.944	7.6	83	0.00
17	2-Methylphenol	40.000	40.415	-1.0	91	0.00
18	Hexachloroethane	40.000	41.613	-4.0	98	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	37.913	5.2	86	0.00
20	3+4-Methylphenols	40.000	39.893	0.3	89	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	86	0.00
22	Acetophenone	40.000	40.371	-0.9	90	0.00
23 S	Nitrobenzene-d5	80.000	81.946	-2.4	90	0.00
24	Nitrobenzene	40.000	41.294	-3.2	91	0.00
25	Isophorone	40.000	39.810	0.5	87	0.00
26 C	2-Nitrophenol	40.000	42.834	-7.1	92	0.00
27	2,4-Dimethylphenol	40.000	41.186	-3.0	91	0.00
28	bis(2-Chloroethoxy)methane	40.000	40.025	-0.1	89	0.00
29 C	2,4-Dichlorophenol	40.000	41.877	-4.7	92	0.00
30	1,2,4-Trichlorobenzene	40.000	41.353	-3.4	92	0.00
31	Naphthalene	40.000	40.942	-2.4	91	0.00
32	Benzoic acid	40.000	40.422	-1.1	82	0.01
33	4-Chloroaniline	40.000	34.613	13.5	78	0.00
34 C	Hexachlorobutadiene	40.000	41.510	-3.8	92	0.00
35	Caprolactam	40.000	40.918	-2.3	90	0.00
36 C	4-Chloro-3-methylphenol	40.000	40.746	-1.9	88	0.01
37	2-Methylnaphthalene	40.000	40.441	-1.1	90	0.00
38	1-Methylnaphthalene	40.000	40.261	-0.7	88	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.650	-4.1	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	35.688	10.8	76	0.00
42 S	2,4,6-Tribromophenol	80.000	83.921	-4.9	90	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.635	-4.1	87	0.00
44	2,4,5-Trichlorophenol	40.000	41.939	-4.8	89	0.01
45 S	2-Fluorobiphenyl	80.000	81.272	-1.6	90	0.00
46	1,1'-Biphenyl	40.000	41.067	-2.7	88	0.00
47	2-Chloronaphthalene	40.000	41.268	-3.2	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
 Data File : BF140501.D
 Acq On : 20 Nov 2024 15:59
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 20 16:43:30 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	41.589	-4.0	87	0.00
49	Acenaphthylene	40.000	41.634	-4.1	89	0.00
50	Dimethylphthalate	40.000	41.066	-2.7	88	0.00
51	2,6-Dinitrotoluene	40.000	42.076	-5.2	87	0.00
52 C	Acenaphthene	40.000	41.692	-4.2	90	0.00
53	3-Nitroaniline	40.000	40.137	-0.3	84	0.00
54 P	2,4-Dinitrophenol	40.000	39.975	0.1	86	0.00
55	Dibenzofuran	40.000	40.778	-1.9	87	0.00
56 P	4-Nitrophenol	40.000	38.628	3.4	77	0.02
57	2,4-Dinitrotoluene	40.000	42.797	-7.0	90	0.00
58	Fluorene	40.000	41.312	-3.3	91	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.111	-5.3	86	0.00
60	Diethylphthalate	40.000	40.445	-1.1	87	0.00
61	4-Chlorophenyl-phenylether	40.000	40.715	-1.8	88	0.00
62	4-Nitroaniline	40.000	39.058	2.4	81	0.00
63	Azobenzene	40.000	39.561	1.1	84	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.460	-13.7	94	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.747	-1.9	88	0.00
67	4-Bromophenyl-phenylether	40.000	41.102	-2.8	89	0.00
68	Hexachlorobenzene	40.000	40.977	-2.4	89	0.00
69	Atrazine	40.000	34.291	14.3	87	0.00
70 C	Pentachlorophenol	40.000	39.817	0.5	79	0.00
71	Phenanthrene	40.000	39.946	0.1	87	0.00
72	Anthracene	40.000	40.538	-1.3	88	0.00
73	Carbazole	40.000	40.105	-0.3	87	0.00
74	Di-n-butylphthalate	40.000	39.579	1.1	84	0.00
75 C	Fluoranthene	40.000	39.078	2.3	85	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77	Benzydine	40.000	32.246	19.4	72	0.00
78	Pyrene	40.000	43.104	-7.8	84	0.00
79 S	Terphenyl-d14	80.000	85.588	-7.0	84	0.00
80	Butylbenzylphthalate	40.000	42.464	-6.2	77	0.00
81	Benzo(a)anthracene	40.000	41.922	-4.8	83	0.00
82	3,3'-Dichlorobenzidine	40.000	39.513	1.2	78	0.00
83	Chrysene	40.000	39.505	1.2	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	41.166	-2.9	74	0.00
85 c	Di-n-octyl phthalate	40.000	41.673	-4.2	76	-0.03
86 I	Perylene-d12	20.000	20.000	0.0	86	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	41.003	-2.5	87	-0.01
88	Benzo(b)fluoranthene	40.000	39.807	0.5	89	-0.02
89	Benzo(k)fluoranthene	40.000	38.708	3.2	84	-0.02
90 C	Benzo(a)pyrene	40.000	40.826	-2.1	89	-0.02
91	Dibenzo(a,h)anthracene	40.000	40.932	-2.3	87	-0.02
92	Benzo(g,h,i)perylene	40.000	40.759	-1.9	86	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140501.D
Acq On : 20 Nov 2024 15:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: Nov 20 16:43:30 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: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.136		-3.1	
Benzaldehyde	0.820	0.737		-10.1	
Phenol-d6	1.550	1.480		-4.5	
Phenol	1.583	1.539		-2.8	20.0
bis(2-Chloroethyl)ether	1.211	1.155		-4.6	
2-Chlorophenol	1.261	1.212		-3.9	
2-Methylphenol	1.010	0.974		-3.6	
2,2-oxybis(1-Chloropropane)	1.431	1.379		-3.6	
Acetophenone	0.488	0.472		-3.3	
3+4-Methylphenols	1.298	1.249		-3.8	
n-Nitroso-di-n-propylamine	0.916	0.888	0.050	-3.1	
Nitrobenzene-d5	0.391	0.381		-2.6	
Hexachloroethane	0.536	0.518		-3.4	
Nitrobenzene	0.404	0.391		-3.2	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.176		-1.7	20.0
2,4-Dimethylphenol	0.214	0.219		2.3	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.281		-1.1	20.0
Naphthalene	1.030	1.010		-1.9	
4-Chloroaniline	0.308	0.302		-1.9	
Hexachlorobutadiene	0.215	0.216		0.5	20.0
Caprolactam	0.088	0.087		-1.1	
4-Chloro-3-methylphenol	0.318	0.316		-0.6	20.0
2-Methylnaphthalene	0.654	0.649		-0.8	
Hexachlorocyclopentadiene	0.107	0.121	0.050	13.1	
2,4,6-Trichlorophenol	0.367	0.365		-0.5	20.0
2-Fluorobiphenyl	1.342	1.316		-1.9	
2,4,5-Trichlorophenol	0.399	0.398		-0.3	
1,1-Biphenyl	1.493	1.460		-2.2	
2-Chloronaphthalene	1.131	1.105		-2.3	
2-Nitroaniline	0.363	0.355		-2.2	
Dimethylphthalate	1.317	1.297		-1.5	
Acenaphthylene	1.710	1.667		-2.5	
2,6-Dinitrotoluene	0.299	0.295		-1.3	
3-Nitroaniline	0.292	0.286		-2.1	
Acenaphthene	1.086	1.062		-2.2	20.0
2,4-Dinitrophenol	0.122	0.142	0.050	16.4	
4-Nitrophenol	0.199	0.195	0.050	-2.0	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.608		-3.0	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.329		-0.7	
4-Chlorophenyl-phenylether	0.653	0.646		-1.1	
Fluorene	1.330	1.293		-2.8	
4-Nitroaniline	0.306	0.301		-1.6	
4,6-Dinitro-2-methylphenol	0.102	0.114		11.8	
n-Nitrosodiphenylamine	0.591	0.578		-2.2	20.0
2,4,6-Tribromophenol	0.214	0.214		0.0	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.238	0.238		0.0	
Atrazine	0.166	0.170		2.4	
Pentachlorophenol	0.105	0.117		11.4	20.0
Phenanthrene	0.961	0.927		-3.5	
Anthracene	0.940	0.929		-1.2	
Carbazole	0.905	0.889		-1.8	
Di-n-butylphthalate	1.044	1.085		3.9	
Fluoranthene	1.044	1.051		0.7	20.0
Pyrene	1.849	1.694		-8.4	
Terphenyl-d14	1.284	1.206		-6.1	
Butylbenzylphthalate	0.666	0.682		2.4	
3,3-Dichlorobenzidine	0.397	0.386		-2.8	
Benzo (a) anthracene	1.324	1.267		-4.3	
Chrysene	1.211	1.189		-1.8	
Bis(2-ethylhexyl)phthalate	0.841	0.931		10.7	
Di-n-octyl phthalate	1.150	1.357		18.0	20.0
Benzo (b) fluoranthene	1.256	1.395		11.1	
Benzo (k) fluoranthene	1.099	1.080		-1.7	
Benzo (a) pyrene	1.021	1.024		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.194		-8.4	
Dibenzo (a,h) anthracene	1.067	1.005		-5.8	
Benzo (g,h,i) perylene	1.089	0.991		-9.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.481		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.324		5.9	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	98979	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	364482	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	206333	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	385080	20.000	ng	0.00
76) Chrysene-d12	14.051	240	243124	20.000	ng	0.00
86) Perylene-d12	15.539	264	183783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	449862	77.548	ng	0.00
7) Phenol-d6	6.510	99	585888	76.395	ng	0.00
23) Nitrobenzene-d5	7.440	82	555186	77.913	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	176575	80.016	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1086436	78.452	ng	0.00
79) Terphenyl-d14	12.986	244	1172885	75.119	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.652	88	95142	39.008	ng	99
3) Pyridine	3.416	79	220718	41.129	ng	98
4) n-Nitrosodimethylamine	3.375	42	121887	38.644	ng	99
6) Aniline	6.534	93	218576	40.492	ng	93
8) 2-Chlorophenol	6.663	128	239993	38.454	ng	96
9) Benzaldehyde	6.422	77	145818	35.916	ng	99
10) Phenol	6.528	94	304655	38.898	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	228554	38.134	ng	99
12) 1,3-Dichlorobenzene	6.810	146	269803	38.473	ng	99
13) 1,4-Dichlorobenzene	6.887	146	271832	38.282	ng	99
14) 1,2-Dichlorobenzene	7.045	146	256890	38.609	ng	100
15) Benzyl Alcohol	7.016	79	223719	39.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	273030	38.561	ng	85
17) 2-Methylphenol	7.128	107	192886	38.608	ng	97
18) Hexachloroethane	7.381	117	102589	38.683	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	175786	38.784	ng	98
20) 3+4-Methylphenols	7.281	107	247253	38.504	ng	97
22) Acetophenone	7.281	105	343958	38.708	ng	99
24) Nitrobenzene	7.457	77	284668	38.653	ng	99
25) Isophorone	7.692	82	466575	39.257	ng	100
26) 2-Nitrophenol	7.769	139	128651	39.419	ng	99
27) 2,4-Dimethylphenol	7.810	122	159540	40.856	ng	98
28) bis(2-Chloroethoxy)met...	7.898	93	288381	39.829	ng	100
29) 2,4-Dichlorophenol	8.016	162	205005	39.620	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	233698	39.557	ng	99
31) Naphthalene	8.175	128	736487	39.229	ng	99
32) Benzoic acid	7.934	122	133561	40.607	ng	99
33) 4-Chloroaniline	8.228	127	219861	39.114	ng	100
34) Hexachlorobutadiene	8.287	225	157302	40.199	ng	99
35) Caprolactam	8.598	113	63576	39.703	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	230419	39.773	ng	100
37) 2-Methylnaphthalene	8.863	142	473317	39.693	ng	100
38) 1-Methylnaphthalene	8.963	142	463045	39.616	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	236415	39.139	ng	99
41) Hexachlorocyclopentadiene	9.016	237	49770	40.607	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	150477	39.701	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	164121	39.898	ng	98
46) 1,1'-Biphenyl	9.328	154	602649	39.120	ng	99
47) 2-Chloronaphthalene	9.357	162	456006	39.066	ng	99
48) 2-Nitroaniline	9.457	65	146702	39.155	ng	97
49) Acenaphthylene	9.775	152	687948	39.007	ng	99
50) Dimethylphthalate	9.633	163	535148	39.381	ng	99
51) 2,6-Dinitrotoluene	9.698	165	121734	39.500	ng	95
52) Acenaphthene	9.945	154	438247	39.108	ng	99
53) 3-Nitroaniline	9.869	138	118121	39.187	ng	97
54) 2,4-Dinitrophenol	9.981	184	58446	40.859	ng	95
55) Dibenzofuran	10.116	168	663674	38.827	ng	99
56) 4-Nitrophenol	10.039	139	80448	39.134	ng	95
57) 2,4-Dinitrotoluene	10.104	165	163170	39.837	ng	98
58) Fluorene	10.463	166	533455	38.881	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	133738	42.303	ng	95
60) Diethylphthalate	10.328	149	548595	39.734	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	266684	39.607	ng	99
62) 4-Nitroaniline	10.486	138	124175	39.279	ng	97
63) Azobenzene	10.610	77	511643	39.132	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	87531	44.482	ng	96
66) n-Nitrosodiphenylamine	10.569	169	445172	39.092	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	162227	40.907	ng	98
68) Hexachlorobenzene	11.010	284	183520	39.966	ng	98
69) Atrazine	11.098	200	131071	40.913	ng	99
70) Pentachlorophenol	11.210	266	90374	44.717	ng	99
71) Phenanthrene	11.428	178	713621	38.552	ng	100
72) Anthracene	11.480	178	715801	39.532	ng	100
73) Carbazole	11.633	167	685005	39.326	ng	100
74) Di-n-butylphthalate	11.957	149	835919	41.568	ng	99
75) Fluoranthene	12.616	202	809661	40.287	ng	99
77) Benzidine	12.739	184	284179	40.202	ng	99
78) Pyrene	12.851	202	823809	36.647	ng	99
80) Butylbenzylphthalate	13.457	149	331503	40.936	ng	97
81) Benzo(a)anthracene	14.039	228	616069	38.280	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	187746	38.855	ng	98
83) Chrysene	14.080	228	578175	39.289	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	452759	44.277	ng	100
85) Di-n-octyl phthalate	14.639	149	659978	47.227	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	439044	36.657	ng	99
88) Benzo(b)fluoranthene	15.104	252	512765	44.420	ng	100
89) Benzo(k)fluoranthene	15.133	252	396860	39.286	ng	100
90) Benzo(a)pyrene	15.480	252	376344	40.097	ng	100
91) Dibenzo(a,h)anthracene	17.062	278	369510	37.672	ng	99
92) Benzo(g,h,i)perylene	17.504	276	364420	36.409	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Abundance

TIC: BF140564.D\data.ms

Time-->

1,4-Dioxane
n-Nitrosodimethylaniline,
2-Fluorophenol,S
Benzaldehyde
bis(2-chloroethyl)ether
Phenol-C
Chlorophenol
1,7-Dichlorobenzene-d4,1,3-Dichlorobenzene,C
2,2'-oxybis[1-Chloroethanol]
Hexachlorocyclopentadiene
Nitrobenzene-d5,S
Isophorone
2-Nitrotoluene
Benzoic acid
4-Chlorophenylphenylmethane
Hexachlorobutadiene,c
Caprolactam
4-Chloro-3-methylphenol,C
Hexachlorocyclopentadiene,S
2,4,6-Trichlorobenzonitrile
2-Nitroaniline
2,6-Dinitrochlorobenzene
Acenaphthylene
2,3,4,6-Tetrachlorophthalate
Diethylphthalate
Azobisisobutyronitrile
4-Chlorophenylphenylether
Pentachlorophenol,C
Atrazine
Phenanthrene-d10,l
Carbazole
Anthracene
Di-n-butylphthalate
Benzidine
Butylbenzylphthalate
Pyrene
Fluoranthene,C
Terphenyl-d14,S
3,3'-Dichlorobenzidinediol
Chrysene
Benzo(a)pyrene
Di-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(a)pyrene,C
Perylene-d12,l
Indeno(1,2,3-a,b)fluorene
Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	92	0.00
2	1,4-Dioxane	0.493	0.481	2.4	90	0.00
3	Pyridine	1.084	1.115	-2.9	86	0.00
4	n-Nitrosodimethylamine	0.637	0.616	3.3	87	0.00
5 S	2-Fluorophenol	1.172	1.136	3.1	89	0.00
6	Aniline	1.091	1.104	-1.2	81	0.00
7 S	Phenol-d6	1.550	1.480	4.5	85	0.00
8	2-Chlorophenol	1.261	1.212	3.9	87	0.00
9	Benzaldehyde	0.820	0.737	10.1	92	0.00
10 C	Phenol	1.583	1.539	2.8	85	0.00
11	bis(2-Chloroethyl)ether	1.211	1.155	4.6	85	0.00
12	1,3-Dichlorobenzene	1.417	1.363	3.8	90	0.00
13 C	1,4-Dichlorobenzene	1.435	1.373	4.3	89	0.00
14	1,2-Dichlorobenzene	1.344	1.298	3.4	88	0.00
15	Benzyl Alcohol	1.149	1.130	1.7	85	0.00
16	2,2'-oxybis(1-Chloropropane	1.431	1.379	3.6	87	0.00
17	2-Methylphenol	1.009	0.974	3.5	86	0.00
18	Hexachloroethane	0.536	0.518	3.4	89	0.00
19 P	n-Nitroso-di-n-propylamine	0.916	0.888	3.1	86	0.00
20	3+4-Methylphenols	1.298	1.249	3.8	85	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22	Acetophenone	0.488	0.472	3.3	86	0.00
23 S	Nitrobenzene-d5	0.391	0.381	2.6	86	0.00
24	Nitrobenzene	0.404	0.391	3.2	86	0.00
25	Isophorone	0.652	0.640	1.8	85	0.00
26 C	2-Nitrophenol	0.179	0.176	1.7	86	0.00
27	2,4-Dimethylphenol	0.214	0.219	-2.3	86	0.00
28	bis(2-Chloroethoxy)methane	0.397	0.396	0.3	88	0.00
29 C	2,4-Dichlorophenol	0.284	0.281	1.1	88	0.00
30	1,2,4-Trichlorobenzene	0.324	0.321	0.9	89	0.00
31	Naphthalene	1.030	1.010	1.9	88	0.00
32	Benzoic acid	0.164	0.183	-11.6	91	0.00
33	4-Chloroaniline	0.308	0.302	1.9	82	0.00
34 C	Hexachlorobutadiene	0.215	0.216	-0.5	90	0.00
35	Caprolactam	0.088	0.087	1.1	85	0.00
36 C	4-Chloro-3-methylphenol	0.318	0.316	0.6	85	0.00
37	2-Methylnaphthalene	0.654	0.649	0.8	88	0.00
38	1-Methylnaphthalene	0.641	0.635	0.9	88	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	0.586	0.573	2.2	90	0.00
41 P	Hexachlorocyclopentadiene	0.107	0.121	-13.1	93	0.00
42 S	2,4,6-Tribromophenol	0.214	0.214	0.0	87	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.365	0.5	88	0.00
44	2,4,5-Trichlorophenol	0.399	0.398	0.3	87	0.00
45 S	2-Fluorobiphenyl	1.342	1.316	1.9	90	0.00
46	1,1'-Biphenyl	1.493	1.460	2.2	89	0.00
47	2-Chloronaphthalene	1.131	1.105	2.3	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	0.363	0.355	2.2	85	0.00
49	Acenaphthylene	1.710	1.667	2.5	88	0.00
50	Dimethylphthalate	1.317	1.297	1.5	88	0.00
51	2,6-Dinitrotoluene	0.299	0.295	1.3	86	0.00
52 C	Acenaphthene	1.086	1.062	2.2	88	0.00
53	3-Nitroaniline	0.292	0.286	2.1	84	0.00
54 P	2,4-Dinitrophenol	0.122	0.142	-16.4	89	0.00
55	Dibenzofuran	1.657	1.608	3.0	87	0.00
56 P	4-Nitrophenol	0.199	0.195	2.0	83	0.00
57	2,4-Dinitrotoluene	0.397	0.395	0.5	86	0.00
58	Fluorene	1.330	1.293	2.8	88	0.00
59	2,3,4,6-Tetrachlorophenol	0.306	0.324	-5.9	91	0.00
60	Diethylphthalate	1.338	1.329	0.7	89	0.00
61	4-Chlorophenyl-phenylether	0.653	0.646	1.1	89	0.00
62	4-Nitroaniline	0.306	0.301	1.6	85	0.00
63	Azobenzene	1.267	1.240	2.1	88	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65	4,6-Dinitro-2-methylphenol	0.102	0.114	-11.8	91	0.00
66 c	n-Nitrosodiphenylamine	0.591	0.578	2.2	88	0.00
67	4-Bromophenyl-phenylether	0.206	0.211	-2.4	93	0.00
68	Hexachlorobenzene	0.238	0.238	0.0	90	0.00
69	Atrazine	0.166	0.170	-2.4	107	0.00
70 C	Pentachlorophenol	0.105	0.117	-11.4	89	0.00
71	Phenanthrene	0.961	0.927	3.5	86	0.00
72	Anthracene	0.940	0.929	1.2	88	0.00
73	Carbazole	0.905	0.889	1.8	88	0.00
74	Di-n-butylphthalate	1.044	1.085	-3.9	93	0.00
75 C	Fluoranthene	1.044	1.051	-0.7	91	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77	Benzydine	0.581	0.584	-0.5	103	0.00
78	Pyrene	1.849	1.694	8.4	93	0.00
79 S	Terphenyl-d14	1.284	1.206	6.1	96	0.00
80	Butylbenzylphthalate	0.666	0.682	-2.4	102	0.00
81	Benzo(a)anthracene	1.324	1.267	4.3	100	0.00
82	3,3'-Dichlorobenzidine	0.397	0.386	2.8	95	0.00
83	Chrysene	1.211	1.189	1.8	101	0.00
84	Bis(2-ethylhexyl)phthalate	0.841	0.931	-10.7	114	0.00
85 c	Di-n-octyl phthalate	1.150	1.357	-18.0	122	0.00
86 I	Perylene-d12	1.000	1.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	1.303	1.194	8.4	80	0.00
88	Benzo(b)fluoranthene	1.256	1.395	-11.1	102	0.00
89	Benzo(k)fluoranthene	1.099	1.080	1.7	85	0.00
90 C	Benzo(a)pyrene	1.021	1.024	-0.3	88	0.00
91	Dibenzo(a,h)anthracene	1.067	1.005	5.8	82	0.00
92	Benzo(g,h,i)perylene	1.089	0.991	9.0	79	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140564.D
Acq On : 22 Nov 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 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\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	92	0.00
2	1,4-Dioxane	40.000	39.008	2.5	90	0.00
3	Pyridine	40.000	41.129	-2.8	86	0.00
4	n-Nitrosodimethylamine	40.000	38.644	3.4	87	0.00
5 S	2-Fluorophenol	80.000	77.548	3.1	89	0.00
6	Aniline	40.000	40.492	-1.2	81	0.00
7 S	Phenol-d6	80.000	76.395	4.5	85	0.00
8	2-Chlorophenol	40.000	38.454	3.9	87	0.00
9	Benzaldehyde	40.000	35.916	10.2	92	0.00
10 C	Phenol	40.000	38.898	2.8	85	0.00
11	bis(2-Chloroethyl)ether	40.000	38.134	4.7	85	0.00
12	1,3-Dichlorobenzene	40.000	38.473	3.8	90	0.00
13 C	1,4-Dichlorobenzene	40.000	38.282	4.3	89	0.00
14	1,2-Dichlorobenzene	40.000	38.609	3.5	88	0.00
15	Benzyl Alcohol	40.000	39.336	1.7	85	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	38.561	3.6	87	0.00
17	2-Methylphenol	40.000	38.608	3.5	86	0.00
18	Hexachloroethane	40.000	38.683	3.3	89	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	38.784	3.0	86	0.00
20	3+4-Methylphenols	40.000	38.504	3.7	85	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22	Acetophenone	40.000	38.708	3.2	86	0.00
23 S	Nitrobenzene-d5	80.000	77.913	2.6	86	0.00
24	Nitrobenzene	40.000	38.653	3.4	86	0.00
25	Isophorone	40.000	39.257	1.9	85	0.00
26 C	2-Nitrophenol	40.000	39.419	1.5	86	0.00
27	2,4-Dimethylphenol	40.000	40.856	-2.1	86	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.829	0.4	88	0.00
29 C	2,4-Dichlorophenol	40.000	39.620	1.0	88	0.00
30	1,2,4-Trichlorobenzene	40.000	39.557	1.1	89	0.00
31	Naphthalene	40.000	39.229	1.9	88	0.00
32	Benzoic acid	40.000	40.607	-1.5	91	0.00
33	4-Chloroaniline	40.000	39.114	2.2	82	0.00
34 C	Hexachlorobutadiene	40.000	40.199	-0.5	90	0.00
35	Caprolactam	40.000	39.703	0.7	85	0.00
36 C	4-Chloro-3-methylphenol	40.000	39.773	0.6	85	0.00
37	2-Methylnaphthalene	40.000	39.693	0.8	88	0.00
38	1-Methylnaphthalene	40.000	39.616	1.0	88	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.139	2.2	90	0.00
41 P	Hexachlorocyclopentadiene	40.000	40.607	-1.5	93	0.00
42 S	2,4,6-Tribromophenol	80.000	80.016	-0.0	87	0.00
43 C	2,4,6-Trichlorophenol	40.000	39.701	0.7	88	0.00
44	2,4,5-Trichlorophenol	40.000	39.898	0.3	87	0.00
45 S	2-Fluorobiphenyl	80.000	78.452	1.9	90	0.00
46	1,1'-Biphenyl	40.000	39.120	2.2	89	0.00
47	2-Chloronaphthalene	40.000	39.066	2.3	88	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
 Data File : BF140564.D
 Acq On : 22 Nov 2024 09:20
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 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	39.155	2.1	85	0.00
49	Acenaphthylene	40.000	39.007	2.5	88	0.00
50	Dimethylphthalate	40.000	39.381	1.5	88	0.00
51	2,6-Dinitrotoluene	40.000	39.500	1.3	86	0.00
52 C	Acenaphthene	40.000	39.108	2.2	88	0.00
53	3-Nitroaniline	40.000	39.187	2.0	84	0.00
54 P	2,4-Dinitrophenol	40.000	40.859	-2.1	89	0.00
55	Dibenzofuran	40.000	38.827	2.9	87	0.00
56 P	4-Nitrophenol	40.000	39.134	2.2	83	0.00
57	2,4-Dinitrotoluene	40.000	39.837	0.4	86	0.00
58	Fluorene	40.000	38.881	2.8	88	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.303	-5.8	91	0.00
60	Diethylphthalate	40.000	39.734	0.7	89	0.00
61	4-Chlorophenyl-phenylether	40.000	39.607	1.0	89	0.00
62	4-Nitroaniline	40.000	39.279	1.8	85	0.00
63	Azobenzene	40.000	39.132	2.2	88	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65	4,6-Dinitro-2-methylphenol	40.000	44.482	-11.2	91	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.092	2.3	88	0.00
67	4-Bromophenyl-phenylether	40.000	40.907	-2.3	93	0.00
68	Hexachlorobenzene	40.000	39.966	0.1	90	0.00
69	Atrazine	40.000	40.913	-2.3	107	0.00
70 C	Pentachlorophenol	40.000	44.717	-11.8	89	0.00
71	Phenanthrene	40.000	38.552	3.6	86	0.00
72	Anthracene	40.000	39.532	1.2	88	0.00
73	Carbazole	40.000	39.326	1.7	88	0.00
74	Di-n-butylphthalate	40.000	41.568	-3.9	93	0.00
75 C	Fluoranthene	40.000	40.287	-0.7	91	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77	Benzydine	40.000	40.202	-0.5	103	0.00
78	Pyrene	40.000	36.647	8.4	93	0.00
79 S	Terphenyl-d14	80.000	75.119	6.1	96	0.00
80	Butylbenzylphthalate	40.000	40.936	-2.3	102	0.00
81	Benzo(a)anthracene	40.000	38.280	4.3	100	0.00
82	3,3'-Dichlorobenzidine	40.000	38.855	2.9	95	0.00
83	Chrysene	40.000	39.289	1.8	101	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.277	-10.7	114	0.00
85 c	Di-n-octyl phthalate	40.000	47.227	-18.1	122	0.00
86 I	Perylene-d12	20.000	20.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.657	8.4	80	0.00
88	Benzo(b)fluoranthene	40.000	44.420	-11.1	102	0.00
89	Benzo(k)fluoranthene	40.000	39.286	1.8	85	0.00
90 C	Benzo(a)pyrene	40.000	40.097	-0.2	88	0.00
91	Dibenzo(a,h)anthracene	40.000	37.672	5.8	82	0.00
92	Benzo(g,h,i)perylene	40.000	36.409	9.0	79	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140564.D
Acq On : 22 Nov 2024 09:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 22 10:52:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 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



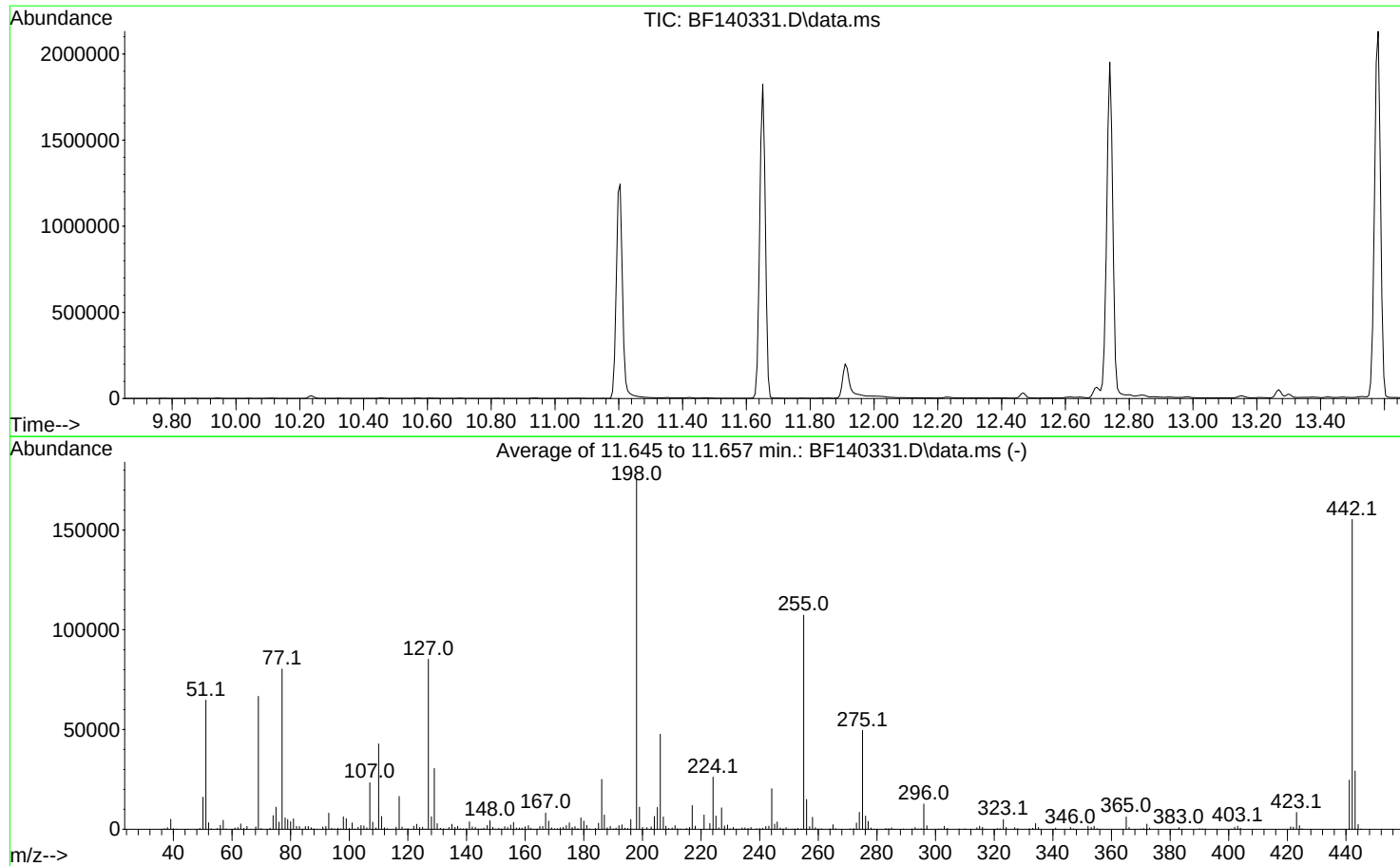
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_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



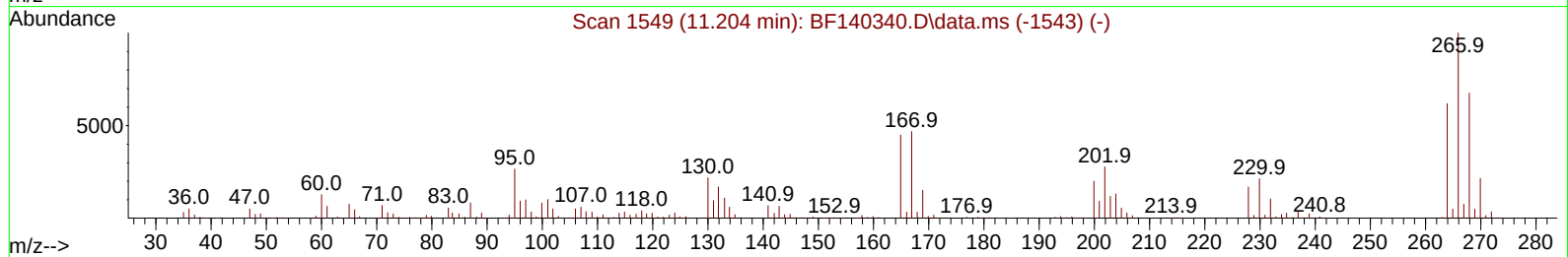
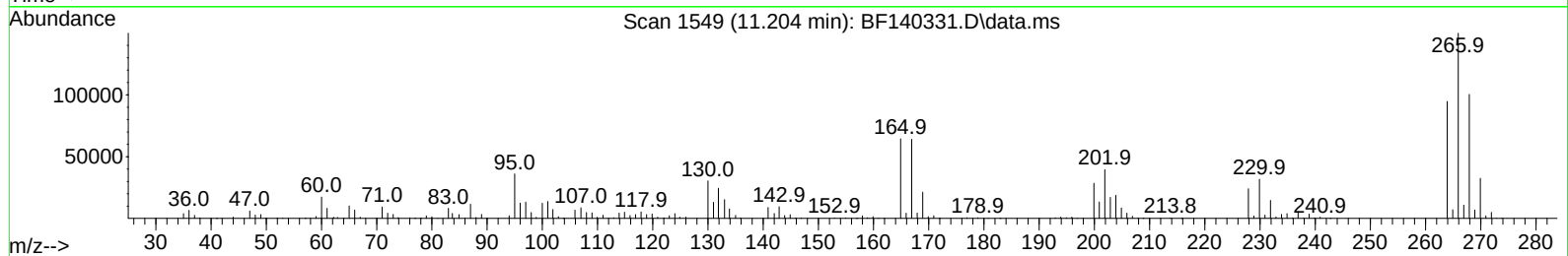
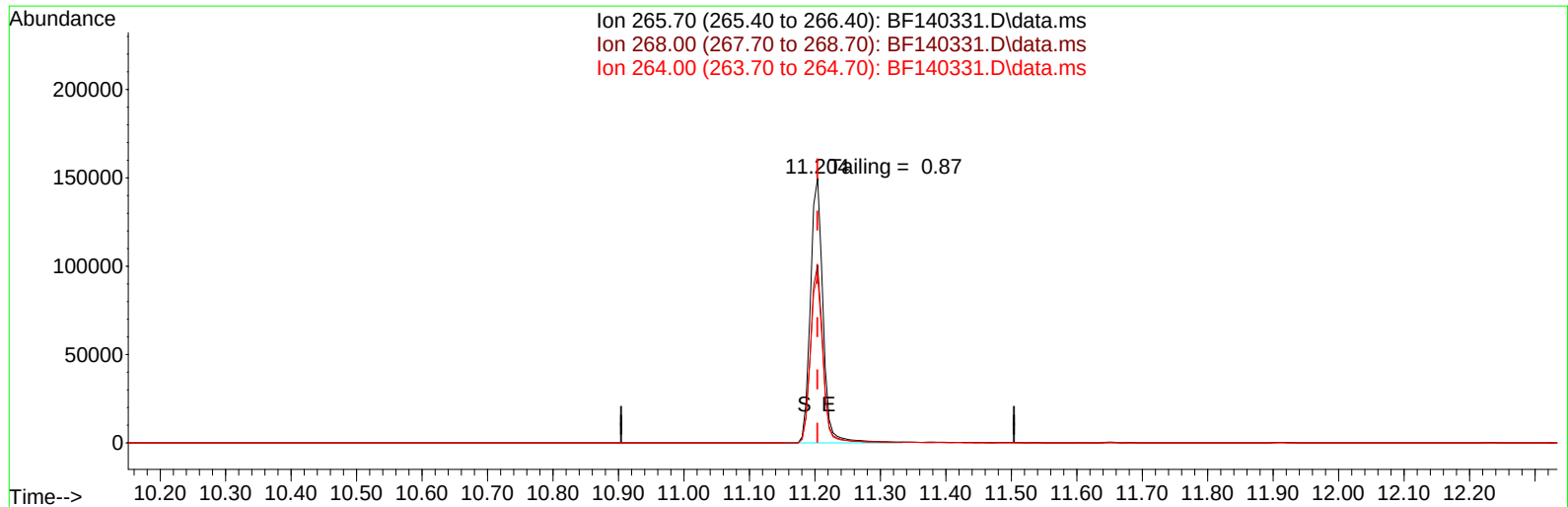
AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

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

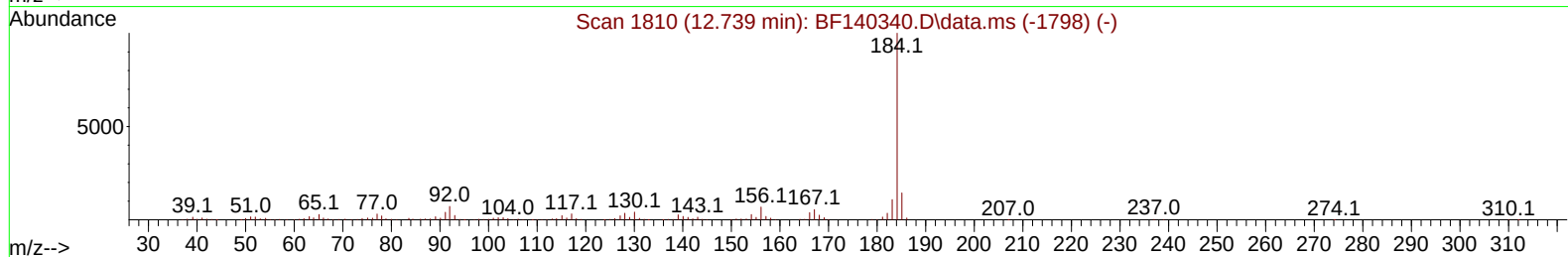
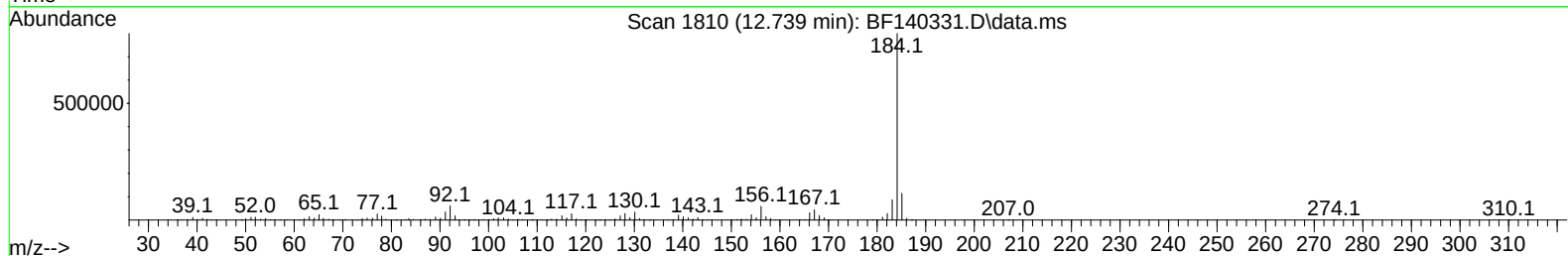
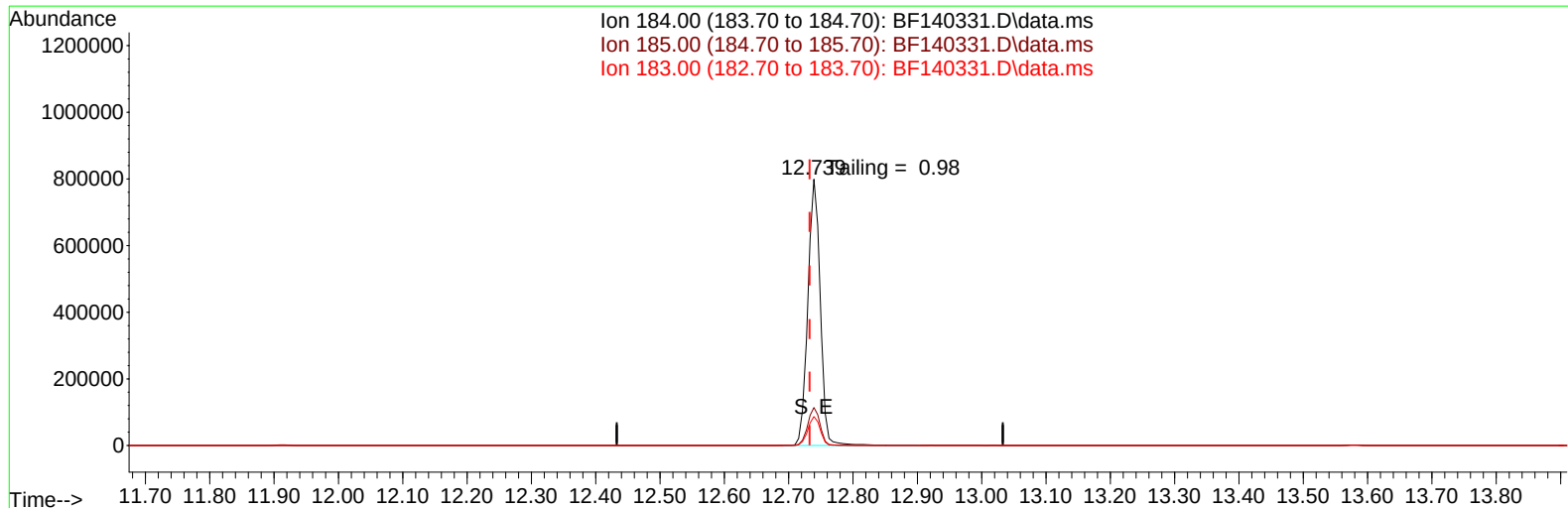
response 201406

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

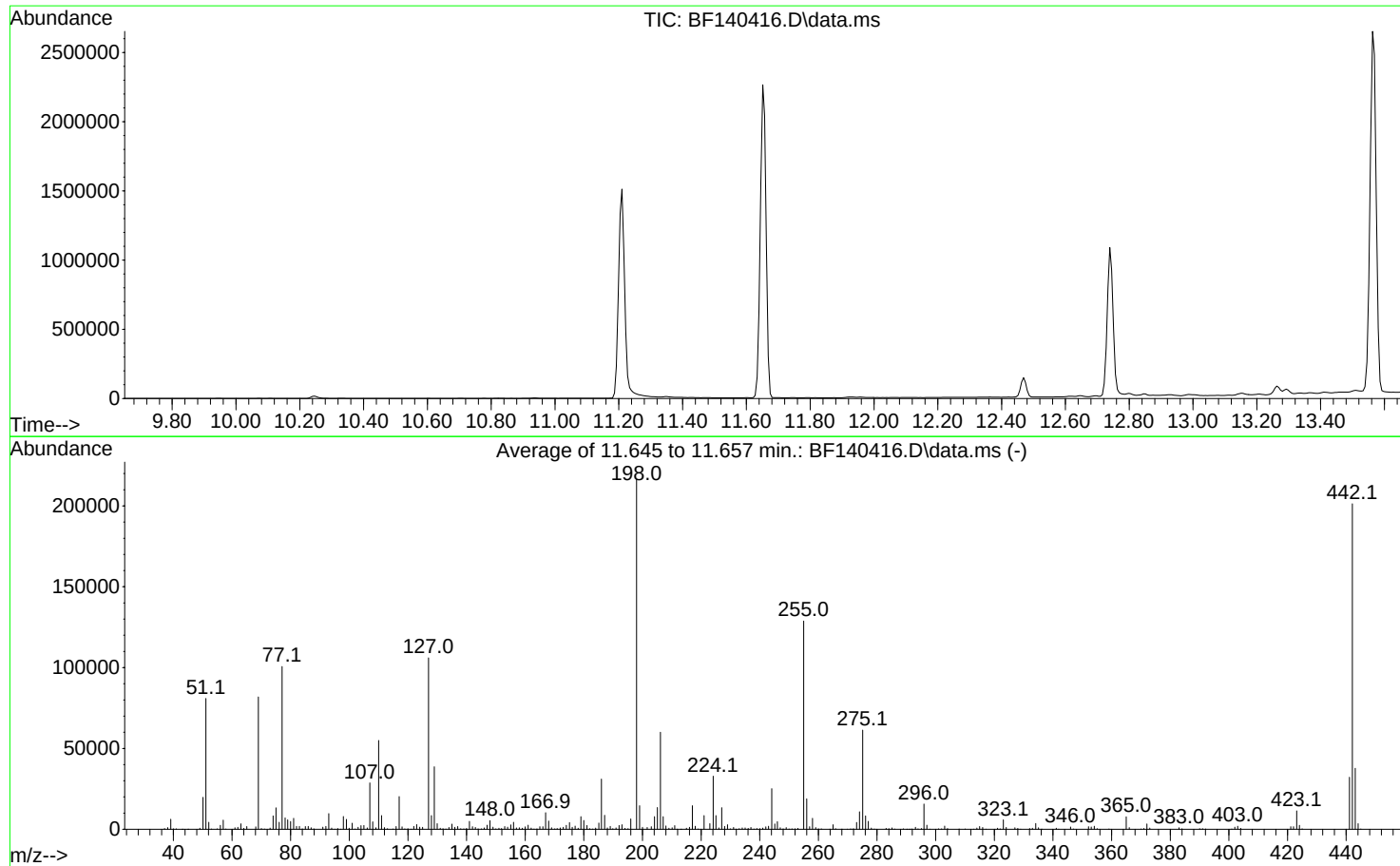
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
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 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.4	80915	PASS
68	69	0.00	2	1.8	1489	PASS
69	198	0.00	100	37.8	81809	PASS
70	69	0.00	2	0.6	505	PASS
127	198	10	80	49.0	106000	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	216277	PASS
199	198	5	9	6.8	14609	PASS
275	198	10	60	28.4	61384	PASS
365	198	1	100	3.6	7757	PASS
441	198	0.01	100	14.9	32184	PASS
442	442	50	100	100.0	201331	PASS
443	442	15	24	18.7	37749	PASS

DDT Breakdown

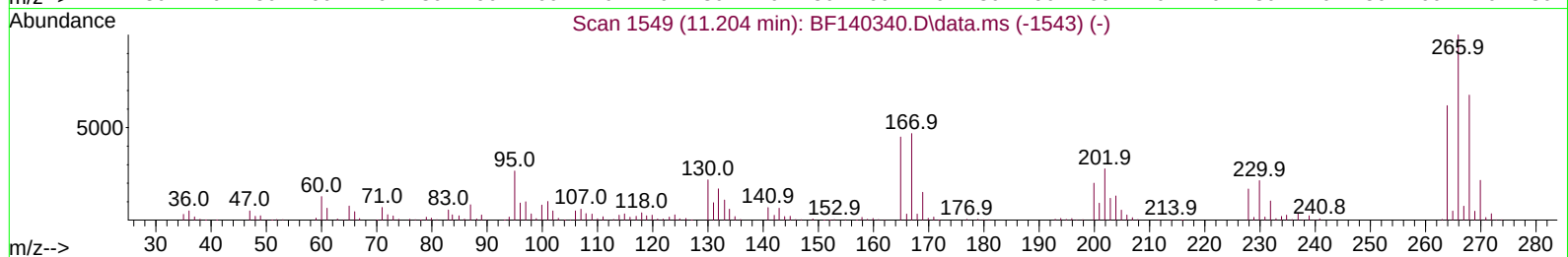
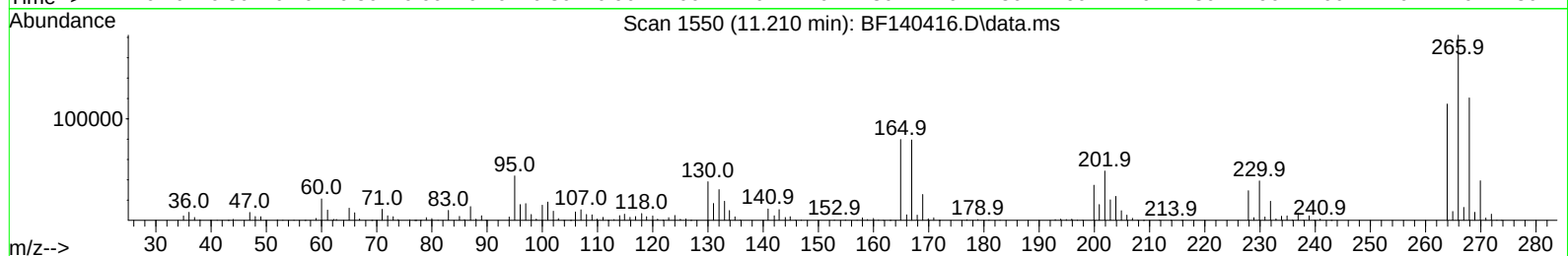
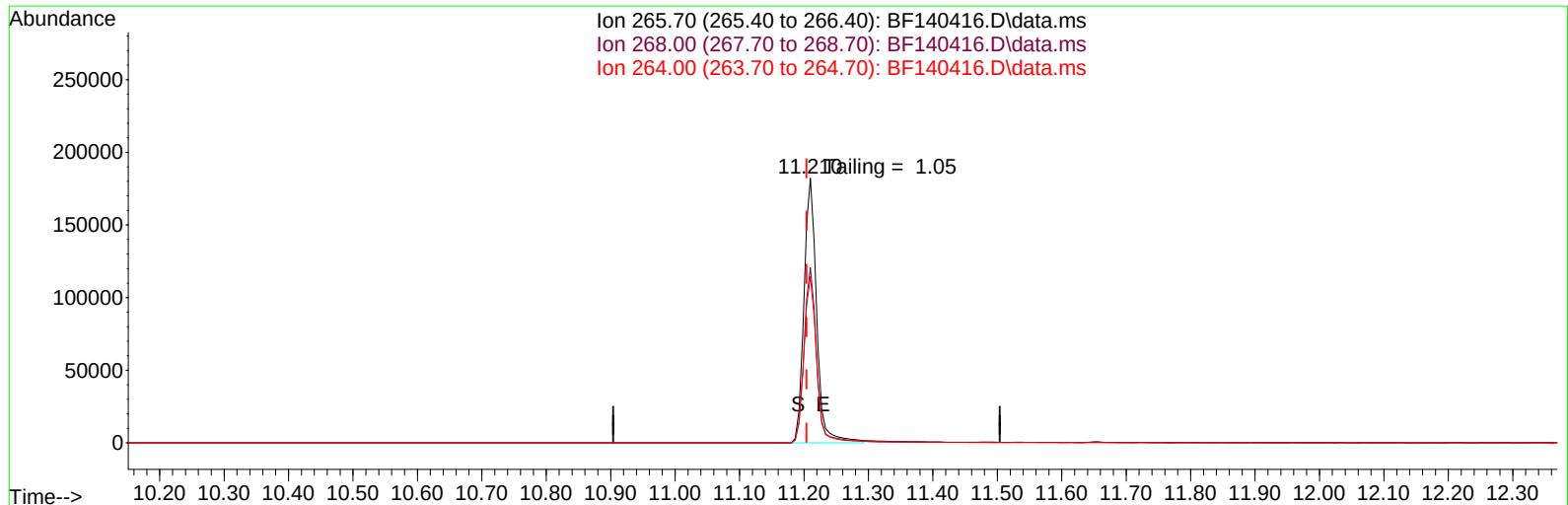
Date	Instrument Name	DFTPP Data File
11/16/2024	BNA_F	<u>BF140416.D</u>
Compound Name	Response	Retention Time
DDT	686763	13.563
DDD	22519	13.263
DDE	2035	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
24554	711317	3.45

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 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: BF140416.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 65679.46 ng

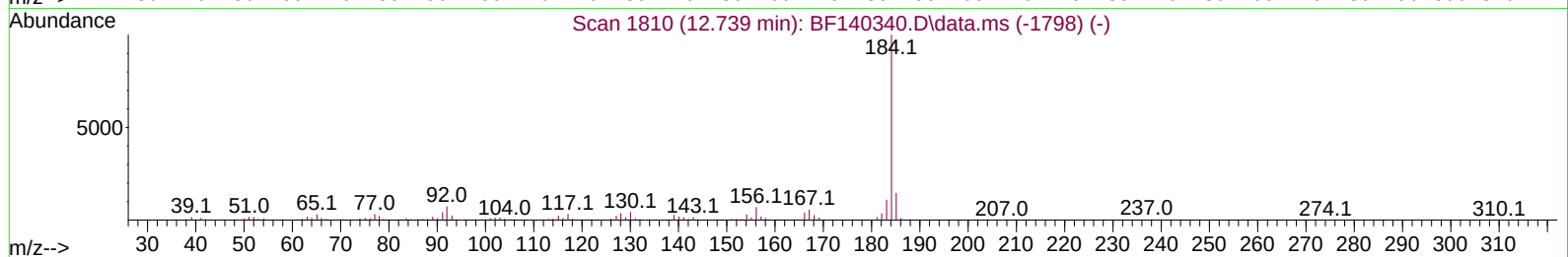
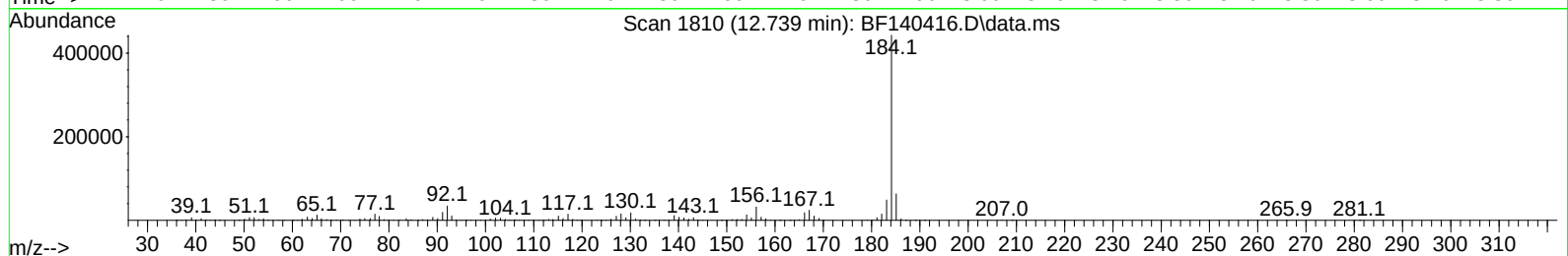
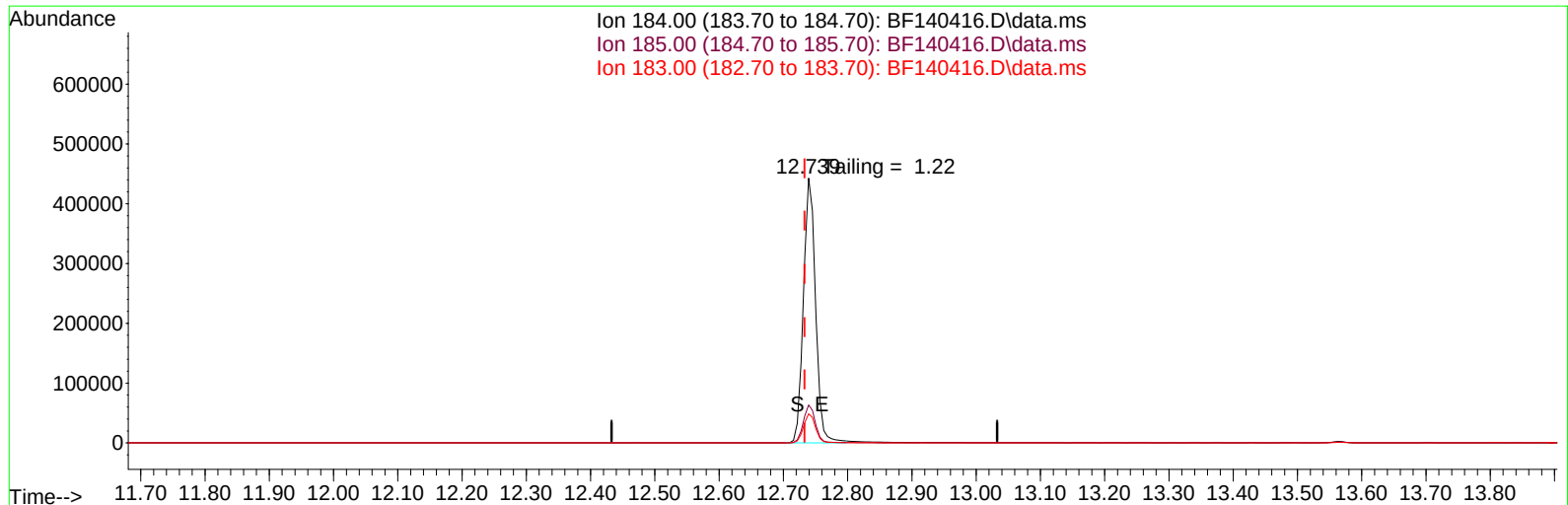
response 253869

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	66.15
264.00	62.90	62.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140416.D
Acq On : 16 Nov 2024 09:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 00:20:33 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: BF140416.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 10148.88 ng

response 590902

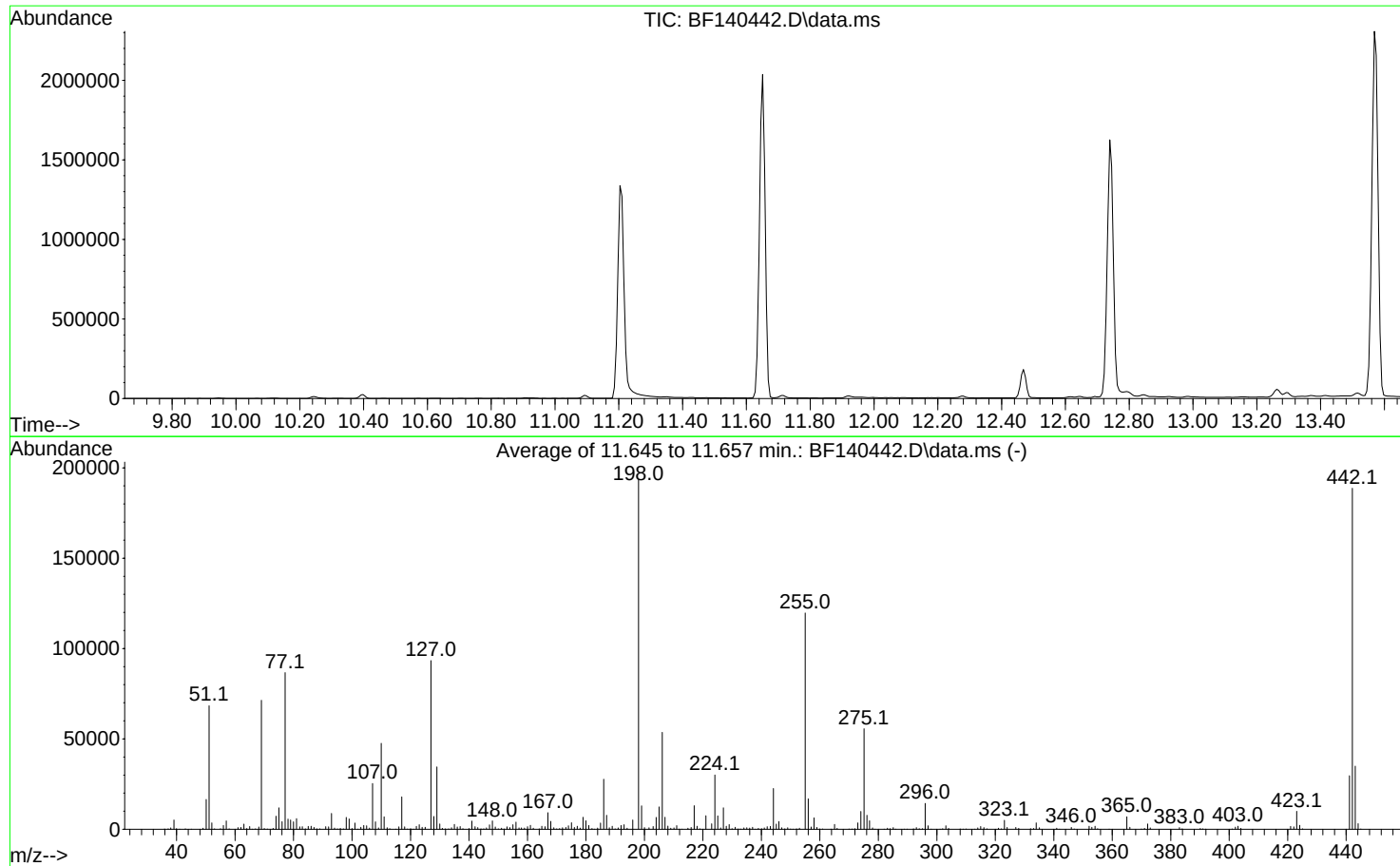
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.33
183.00	10.80	11.00
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140442.D
Acq On : 18 Nov 2024 09:18
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 Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.3	68384	PASS
68	69	0.00	2	1.8	1271	PASS
69	198	0.00	100	36.9	71384	PASS
70	69	0.00	2	0.7	466	PASS
127	198	10	80	48.2	93325	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	193493	PASS
199	198	5	9	6.7	12961	PASS
275	198	10	60	28.7	55613	PASS
365	198	1	100	3.6	6893	PASS
441	198	0.01	100	15.3	29637	PASS
442	442	50	100	100.0	188736	PASS
443	442	15	24	18.5	34960	PASS

DDT Breakdown

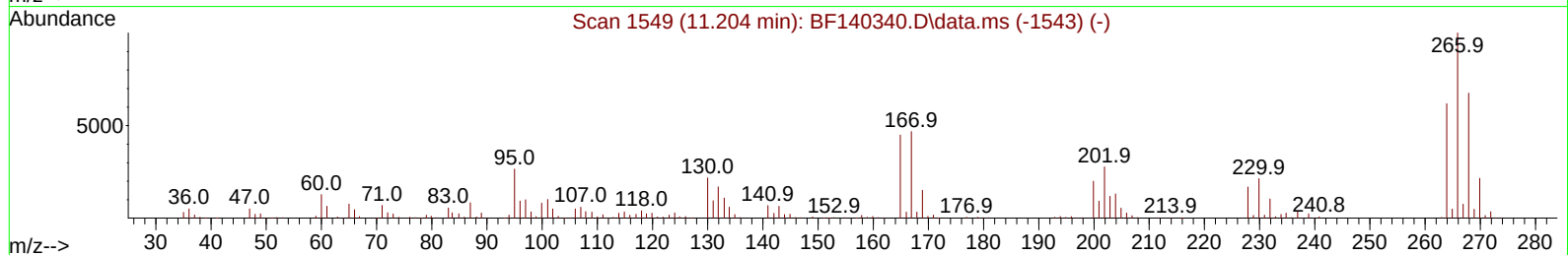
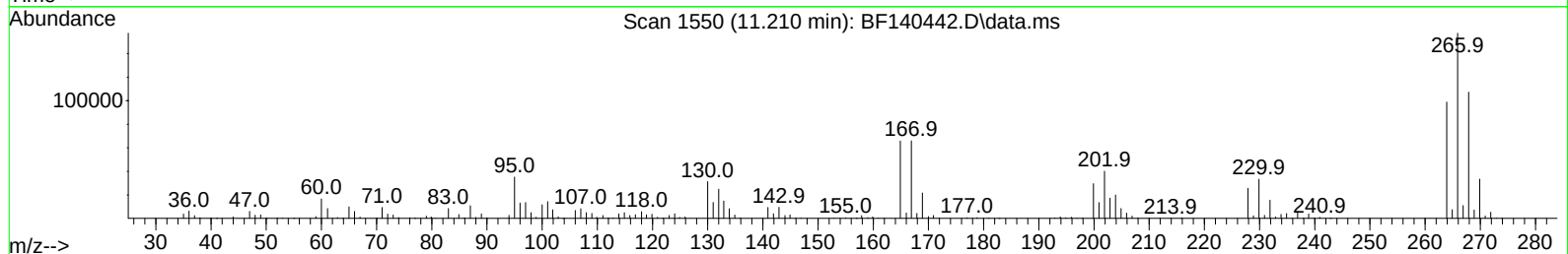
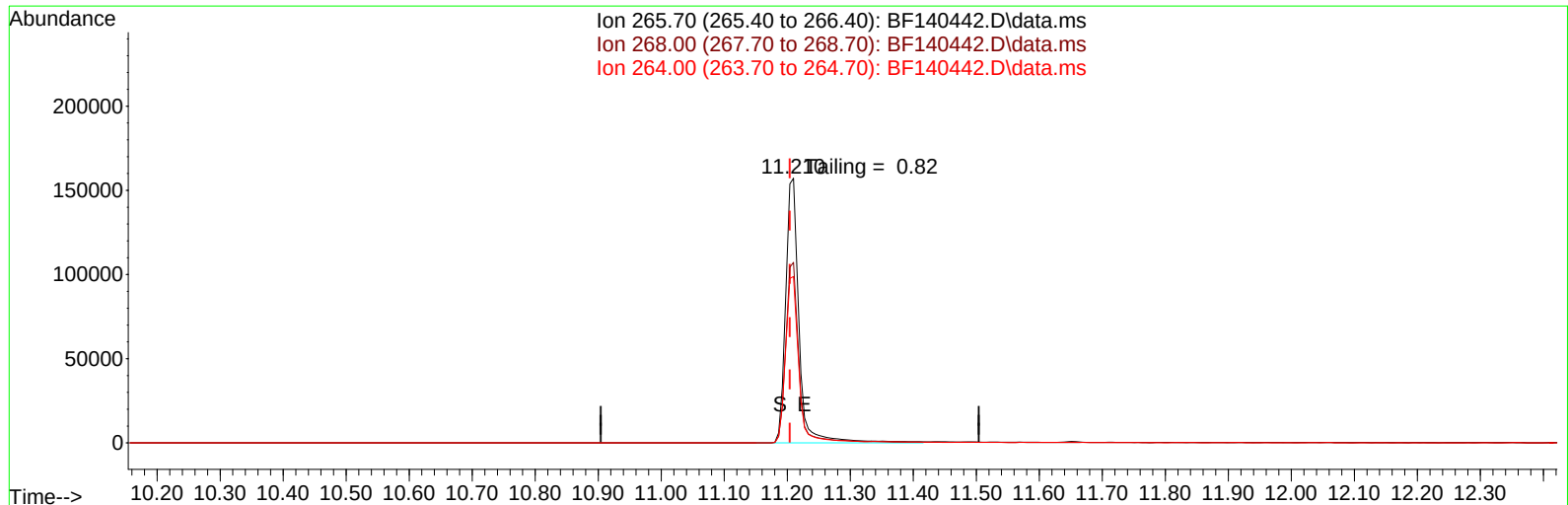
Date	Instrument Name	DFTPP Data File
11/18/2024	BNA_F	<u>BF140442.D</u>
Compound Name	Response	Retention Time
DDT	601041	13.568
DDD	19319	13.263
DDE	1174	12.927
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
20493	621534	3.30

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140442.D
Acq On : 18 Nov 2024 09:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 11:35:59 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: BF140442.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 54990.18 ng

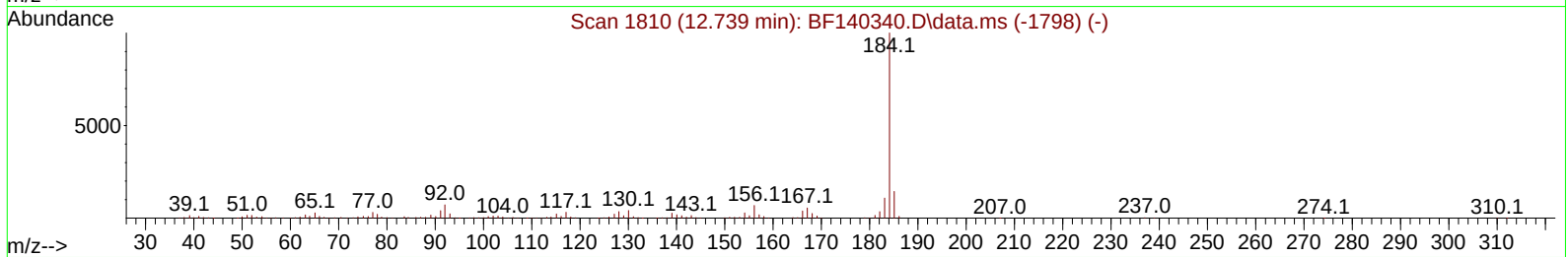
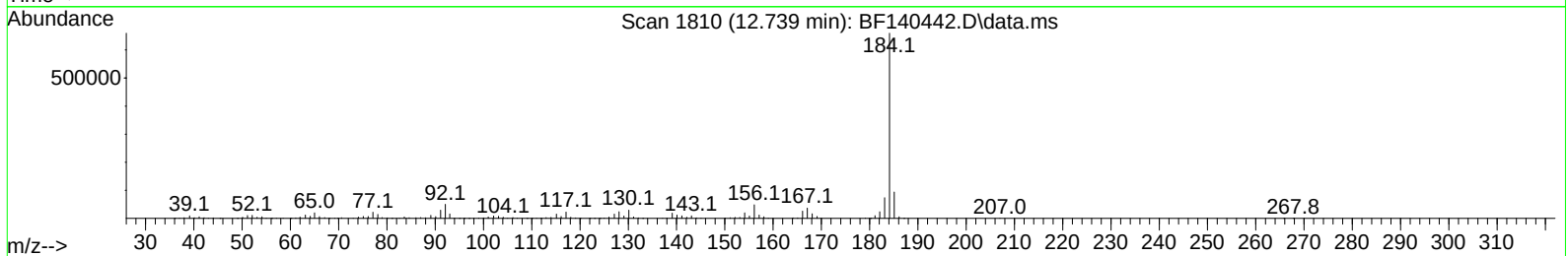
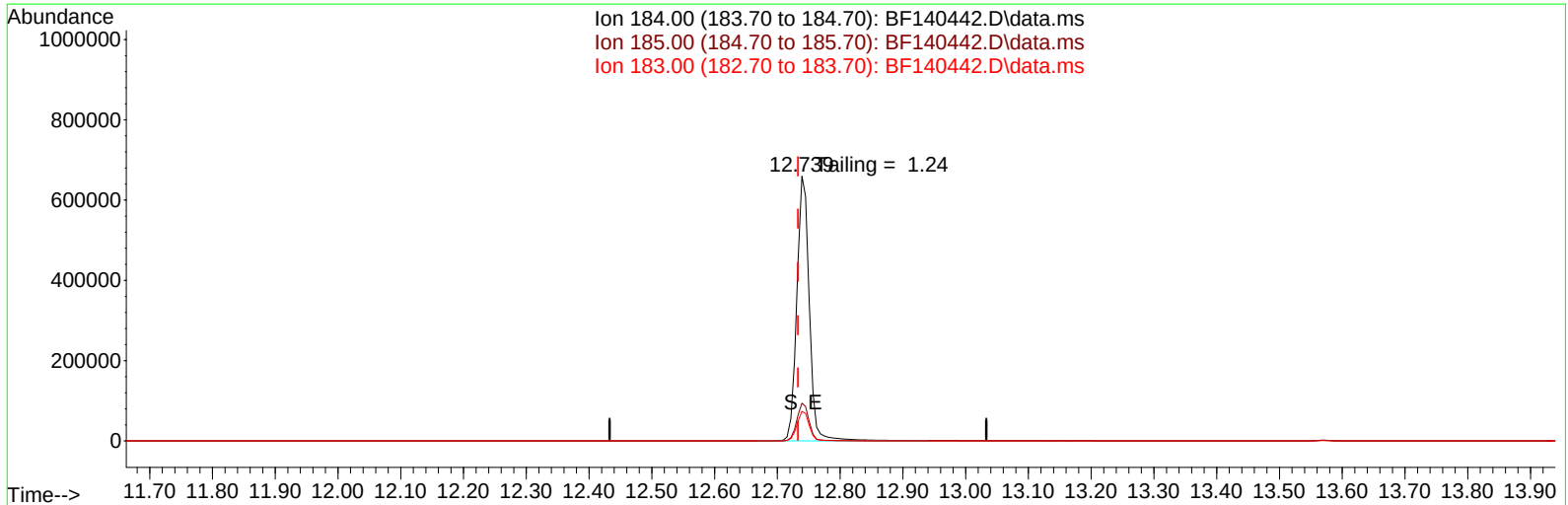
response 234207

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	68.23
264.00	62.90	62.85
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140442.D
Acq On : 18 Nov 2024 09:18
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 18 11:35:59 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: BF140442.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 29617.83 ng

response 919631

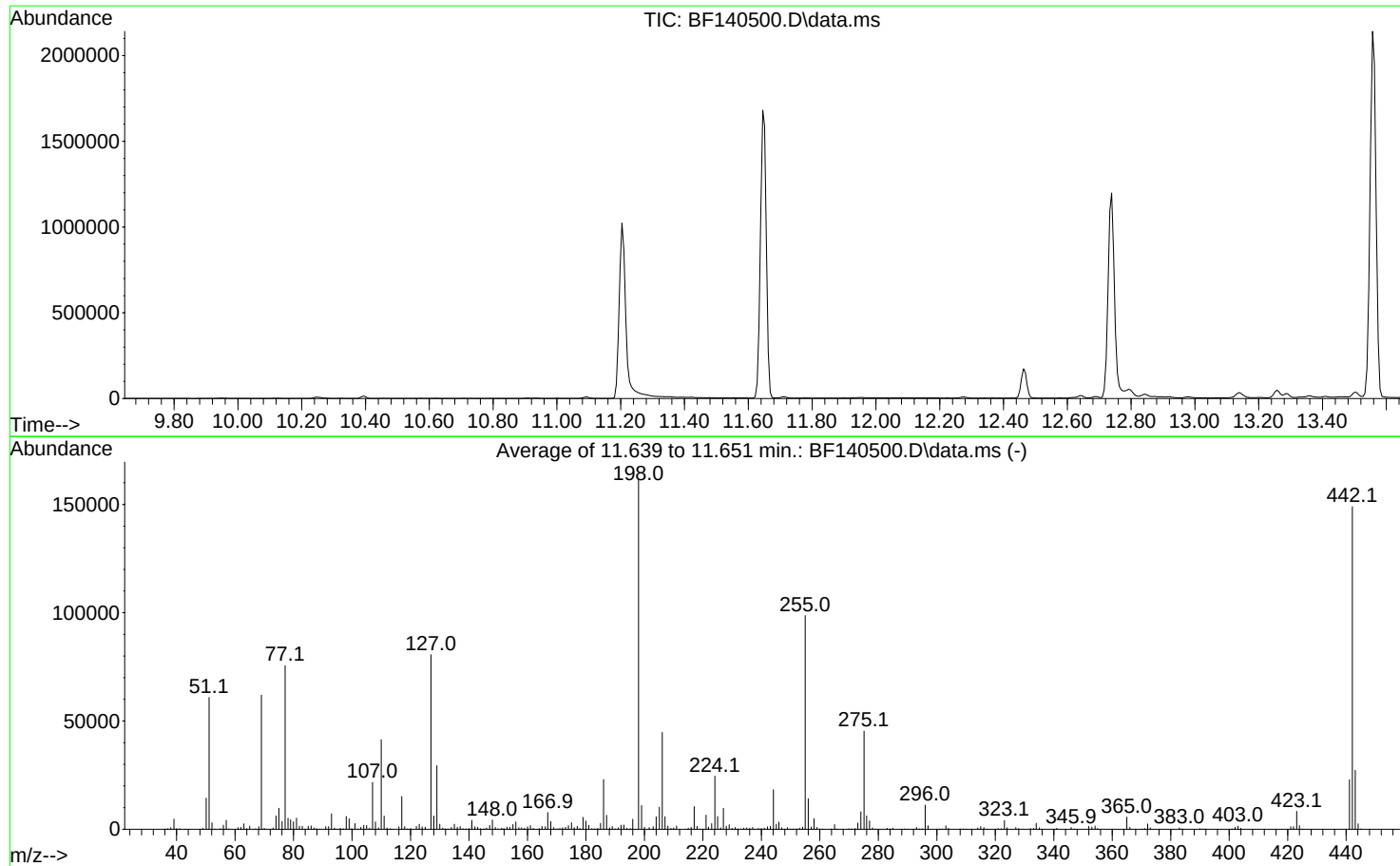
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.26
183.00	10.80	11.18
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
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-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	37.7	60928	PASS
68	69	0.00	2	1.9	1186	PASS
69	198	0.00	100	38.4	61936	PASS
70	69	0.00	2	0.7	421	PASS
127	198	10	80	50.0	80672	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	161499	PASS
199	198	5	9	6.8	11020	PASS
275	198	10	60	28.1	45307	PASS
365	198	1	100	3.5	5617	PASS
441	198	0.01	100	14.2	22910	PASS
442	442	50	100	100.0	148963	PASS
443	442	15	24	18.3	27253	PASS

DDT Breakdown

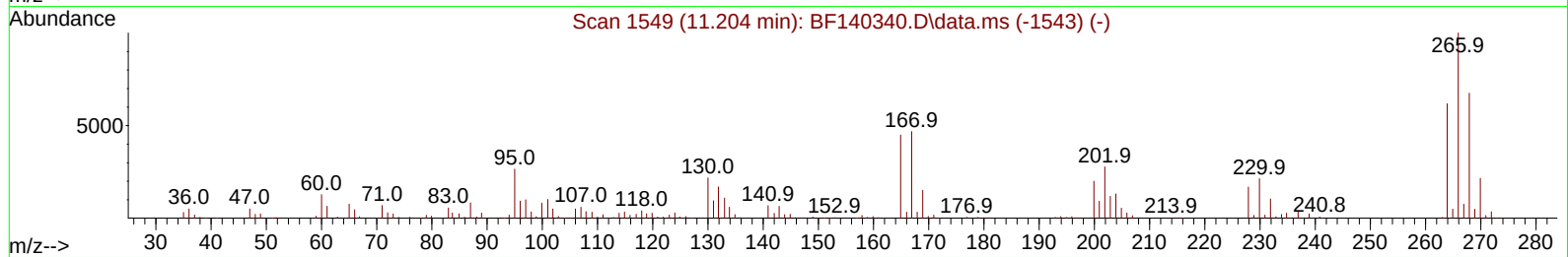
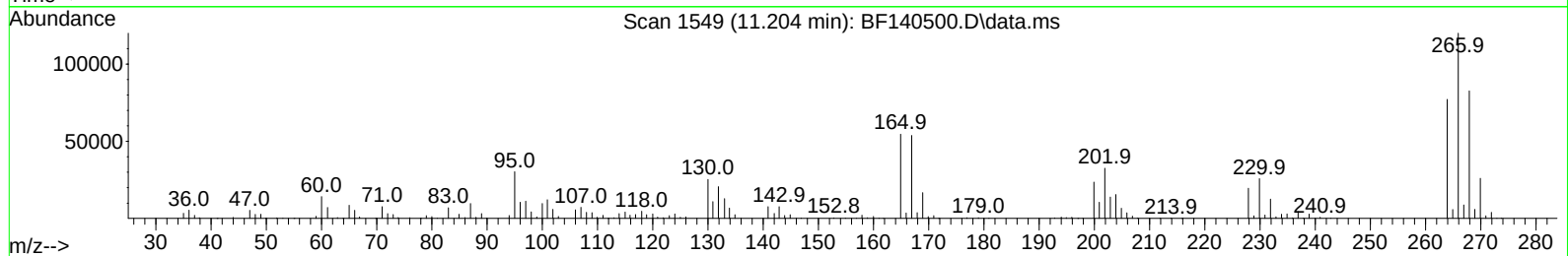
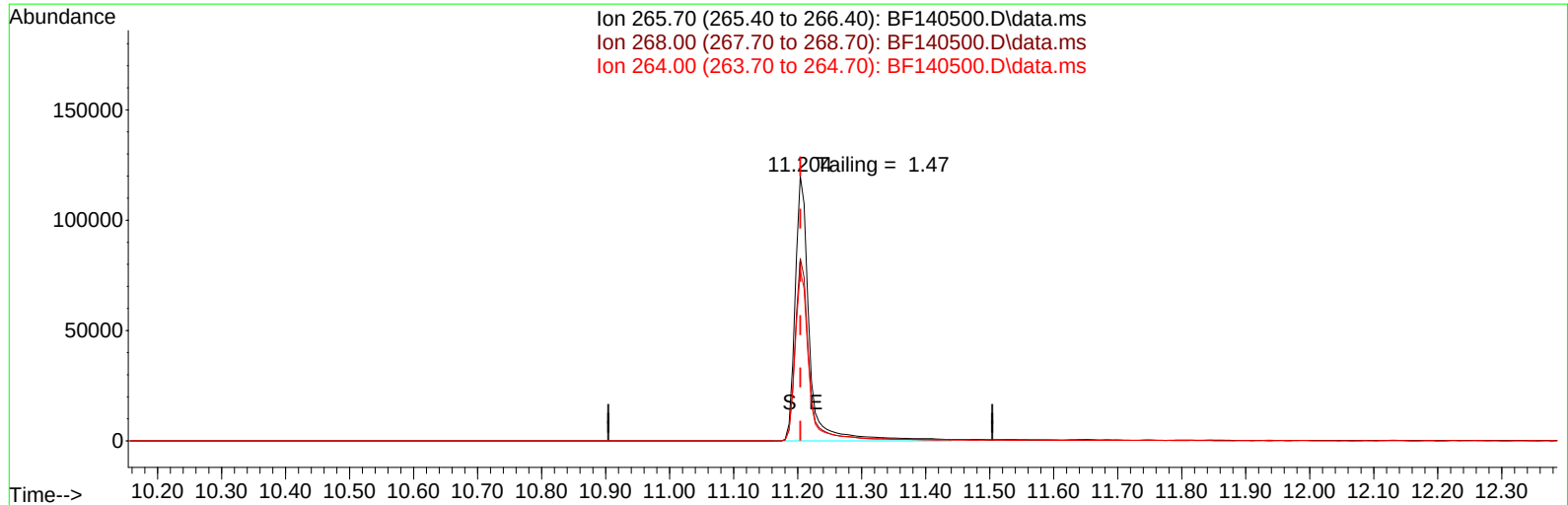
Date	Instrument Name	DFTPP Data File
11/20/2024	BNA_F	<u>BF140500.D</u>
Compound Name	Response	Retention Time
DDT	548560	13.557
DDD	17777	13.257
DDE	1079	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18856	567416	3.32

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 17:01:13 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: BF140500.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 29007.72 ng

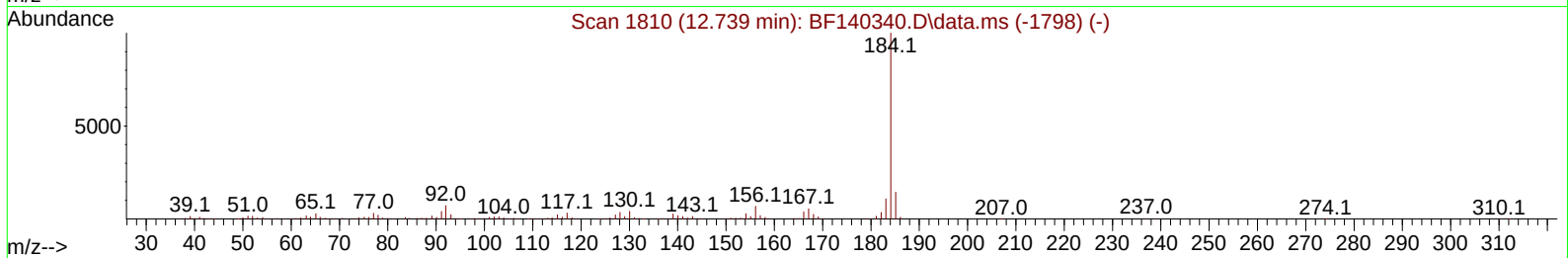
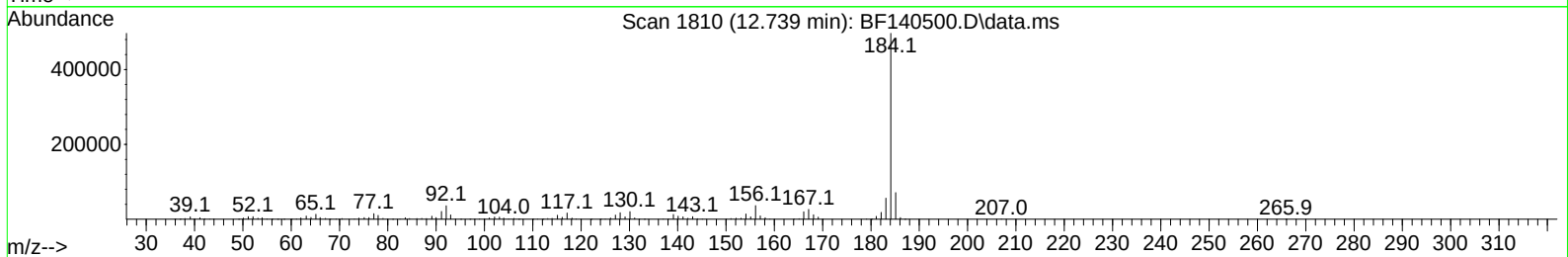
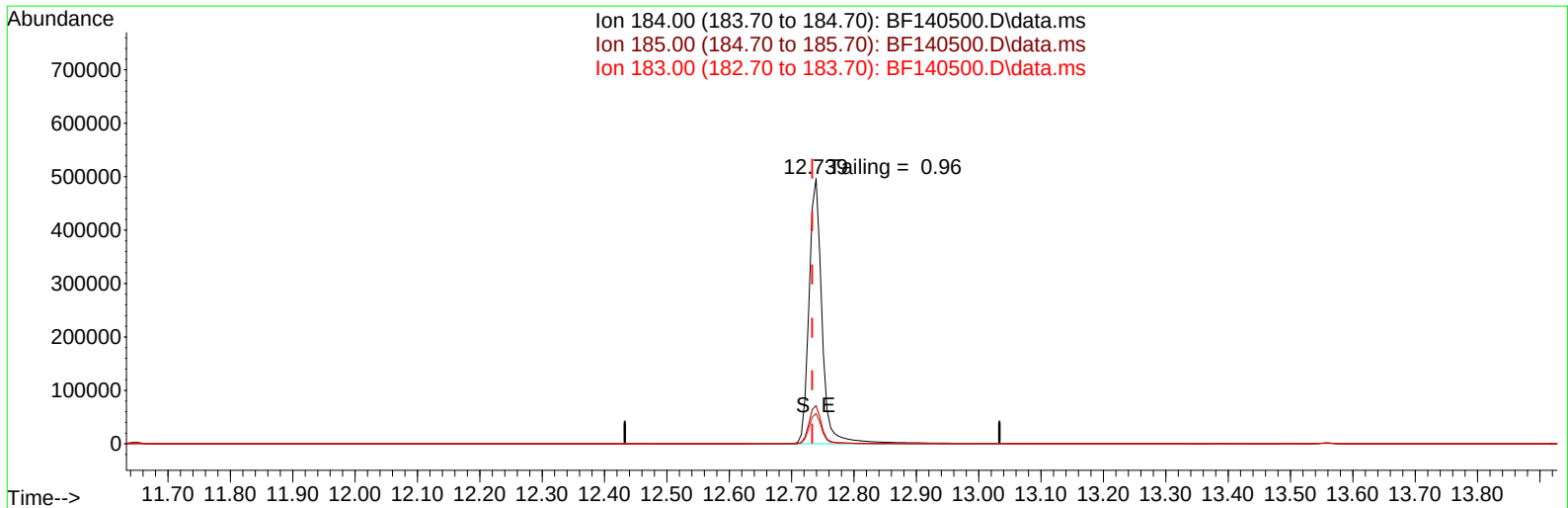
response 185231

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	68.93
264.00	62.90	64.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112024\
Data File : BF140500.D
Acq On : 20 Nov 2024 15:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 20 17:01:13 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: BF140500.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 19345.82 ng

response 723942

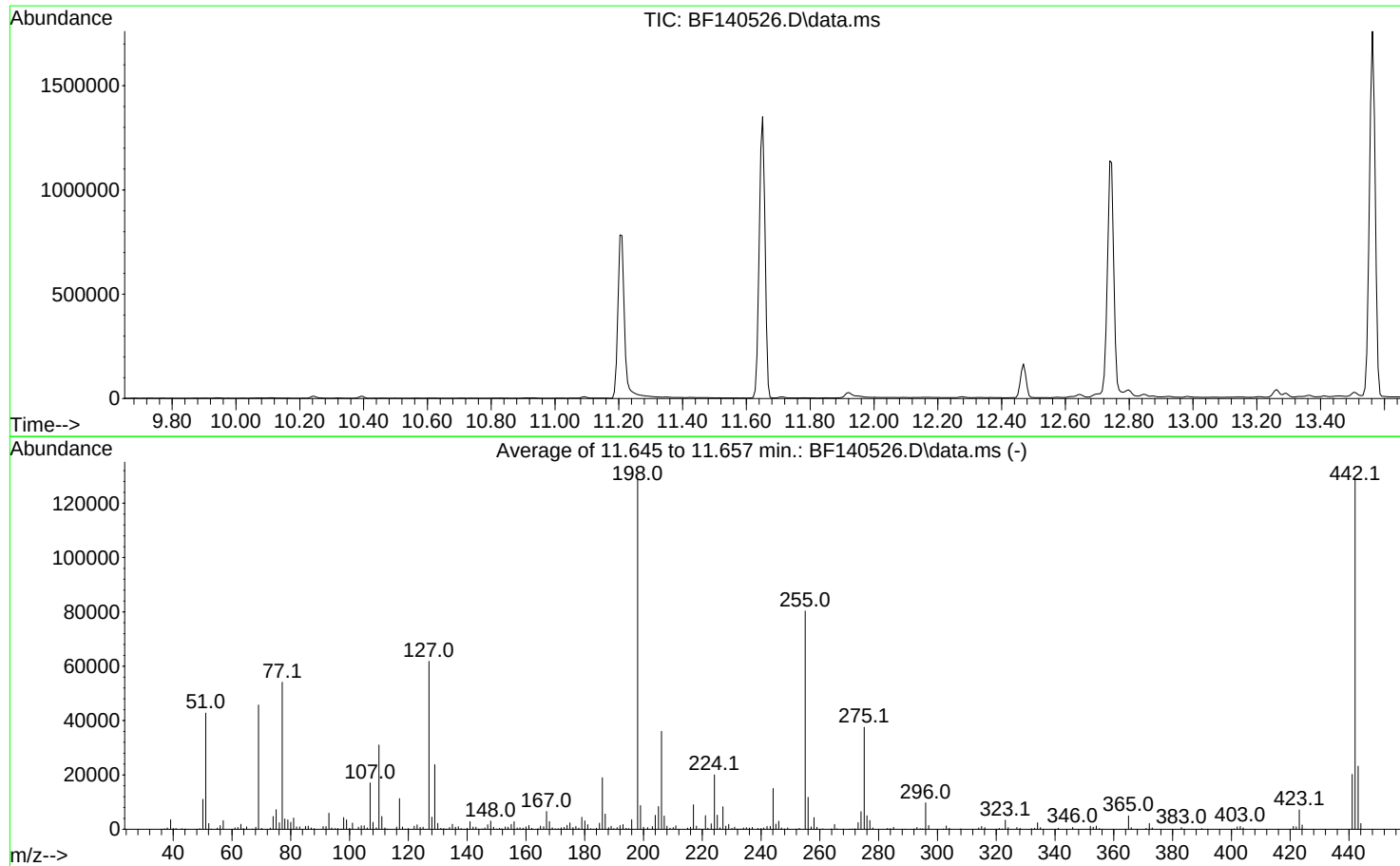
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.37
183.00	10.80	11.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1624, 1625, 1626; 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	33.3	42792	PASS
68	69	0.00	2	1.8	810	PASS
69	198	0.00	100	35.5	45731	PASS
70	69	0.00	2	0.7	327	PASS
127	198	10	80	48.0	61811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128688	PASS
199	198	5	9	6.8	8723	PASS
275	198	10	60	29.2	37552	PASS
365	198	1	100	3.8	4944	PASS
441	198	0.01	100	15.7	20189	PASS
442	442	50	100	100.0	128421	PASS
443	442	15	24	18.1	23261	PASS

DDT Breakdown

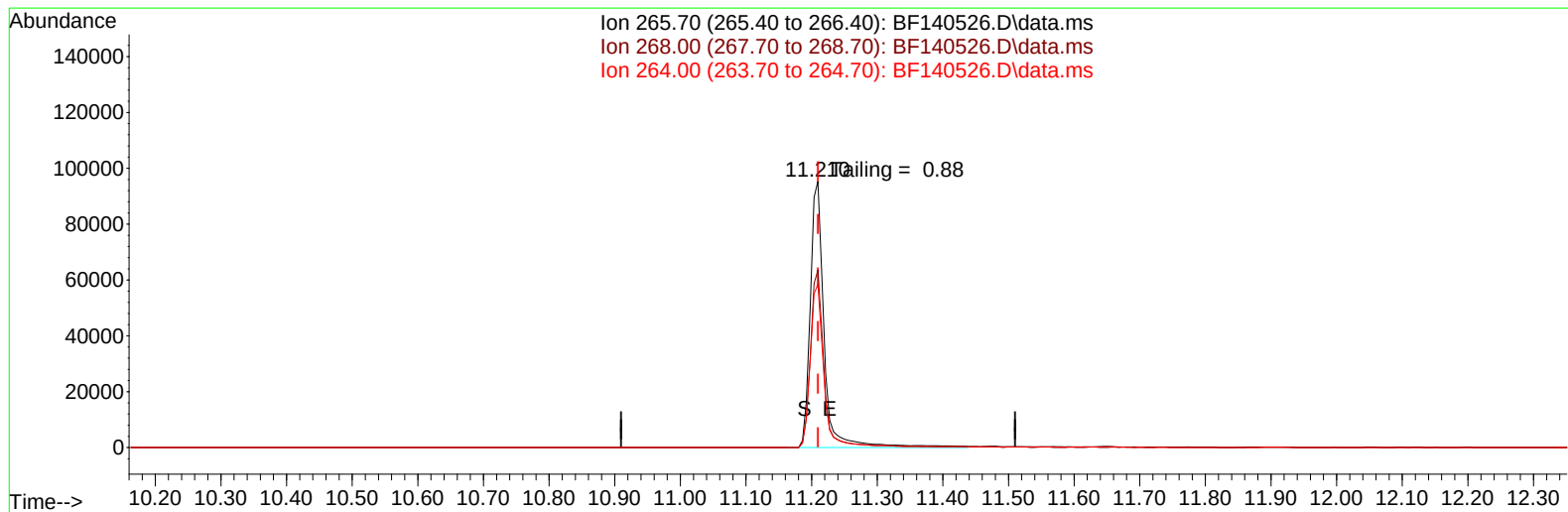
Date	Instrument Name	DFTPP Data File
11/21/2024	BNA_F	<u>BF140526.D</u>
Compound Name	Response	Retention Time
DDT	424151	13.562
DDD	14557	13.262
DDE	1132	12.921
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
15689	439840	3.57

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

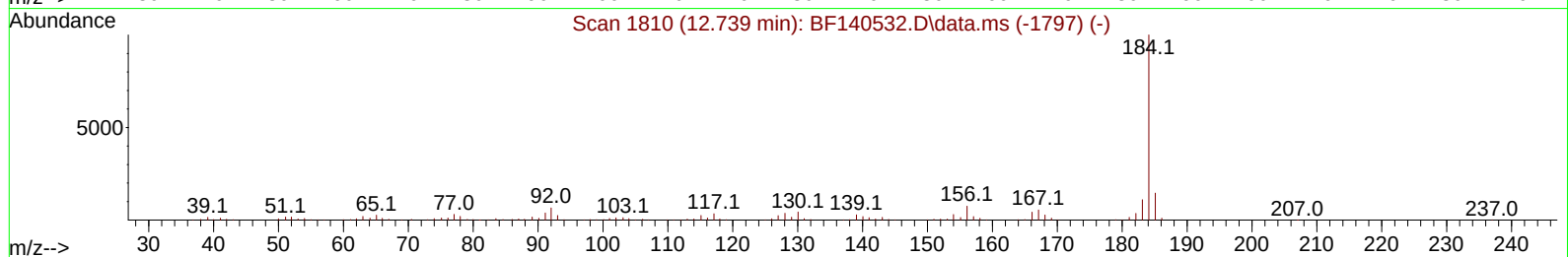
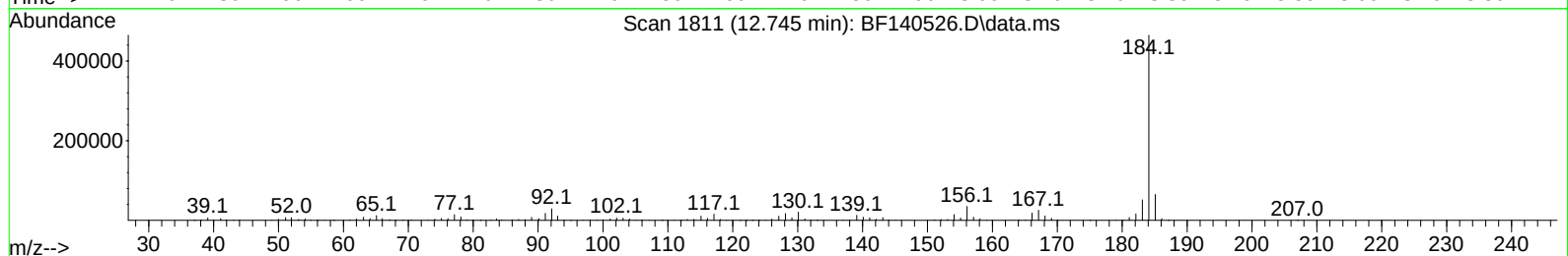
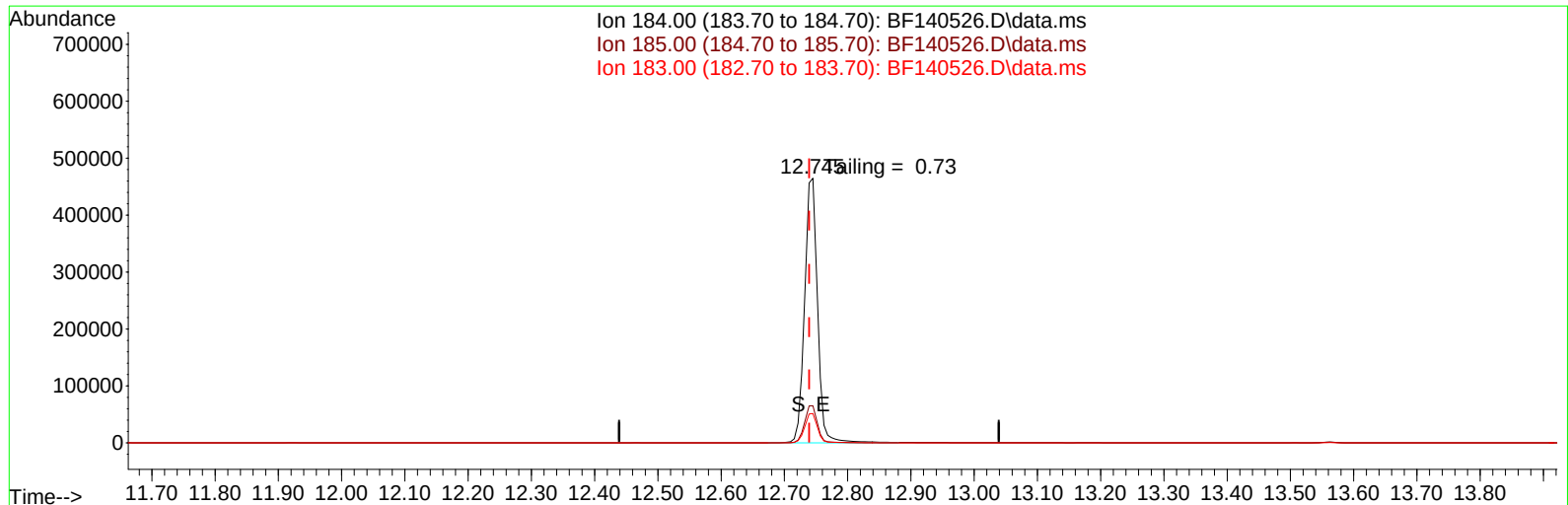
Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140526.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 32779.12 ng

response 668077

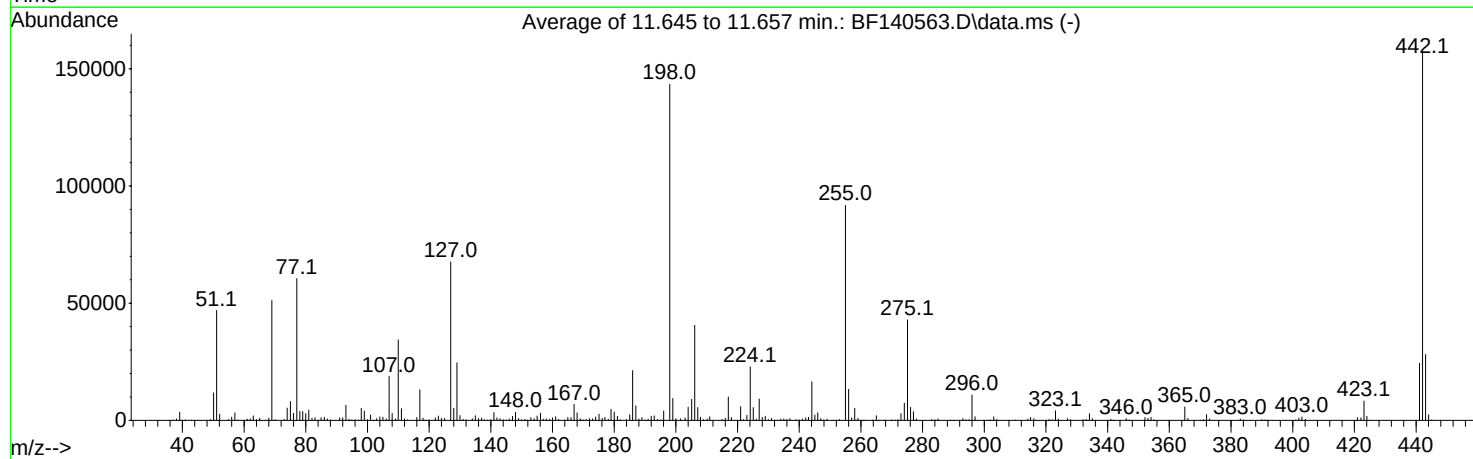
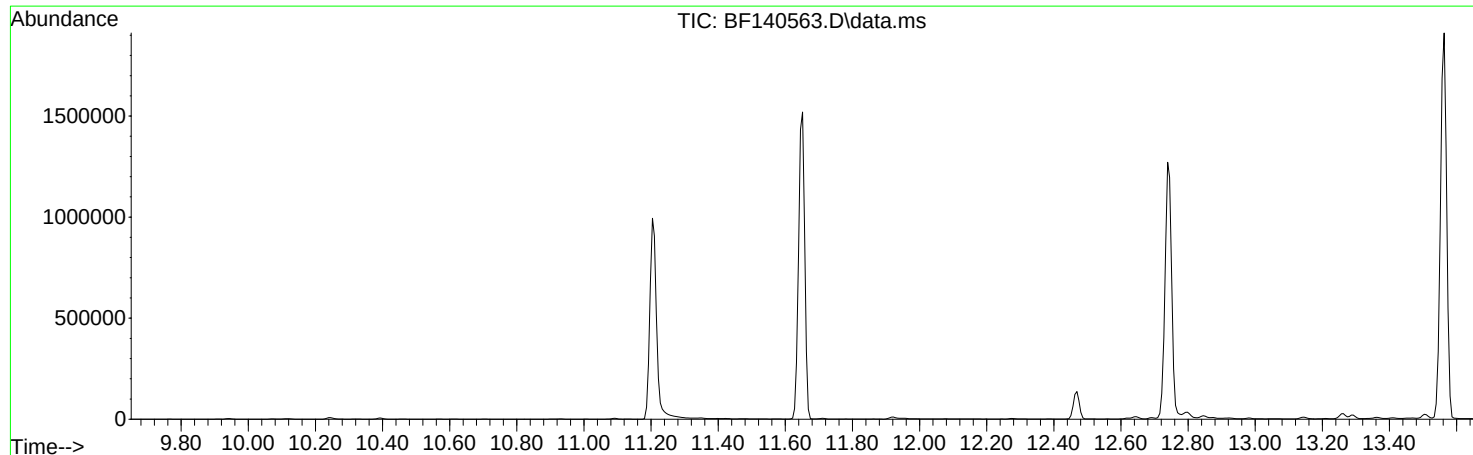
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.02
183.00	11.00	11.11
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140563.D
Acq On : 22 Nov 2024 08:54
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-BF112124.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 21 15:23:48 2024



AutoFind: Scans 1624, 1625, 1626; 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	32.7	46893	PASS
68	69	0.00	2	1.9	946	PASS
69	198	0.00	100	35.6	51112	PASS
70	69	0.00	2	0.6	290	PASS
127	198	10	80	47.1	67563	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	143381	PASS
199	198	5	9	6.5	9364	PASS
275	198	10	60	29.9	42845	PASS
365	198	1	100	4.0	5775	PASS
441	198	0.01	100	17.0	24371	PASS
442	442	50	100	100.0	156949	PASS
443	442	15	24	17.9	28040	PASS

DDT Breakdown

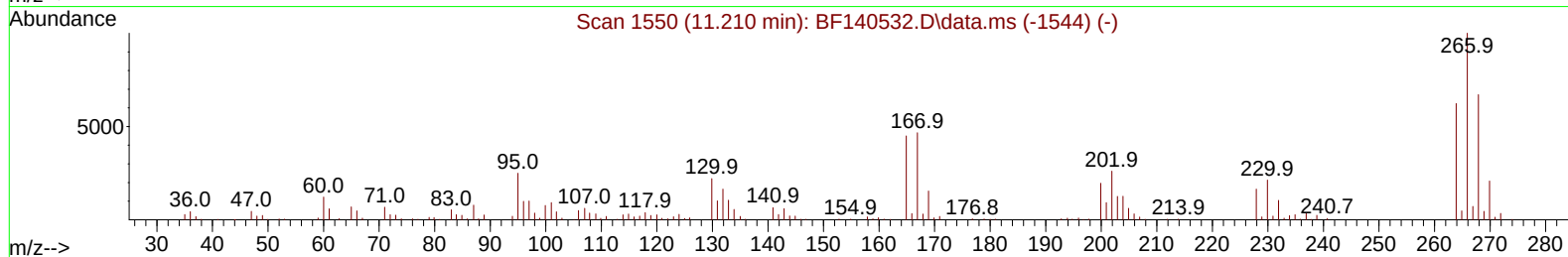
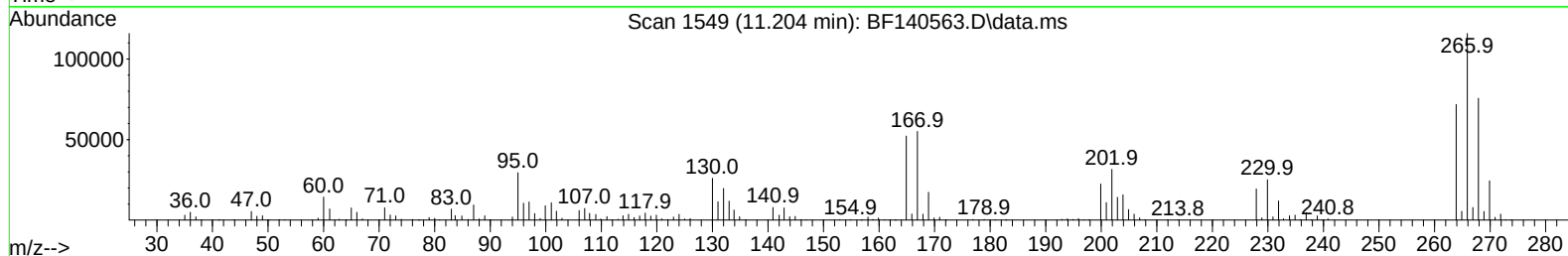
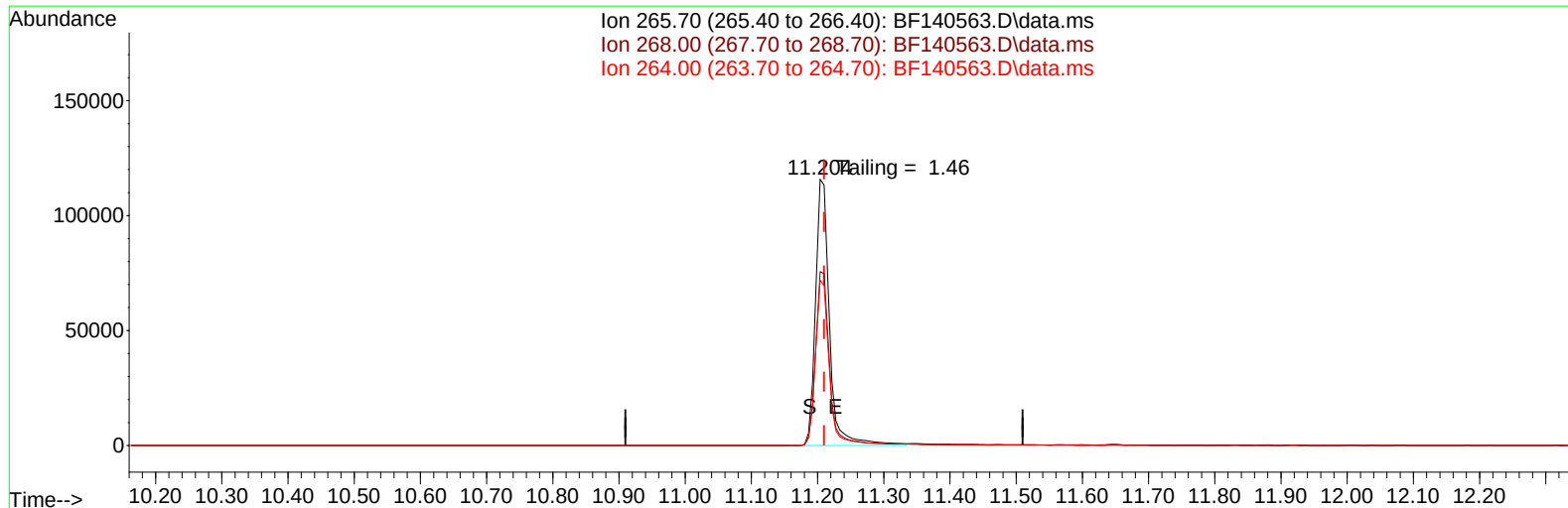
Date	Instrument Name	DFTPP Data File
11/22/2024	BNA_F	<u>BF140563.D</u>
Compound Name	Response	Retention Time
DDT	483691	13.563
DDD	13127	13.263
DDE	1061	12.922
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
14188	497879	2.85

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140563.D
Acq On : 22 Nov 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 22 10:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140563.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 42216.94 ng

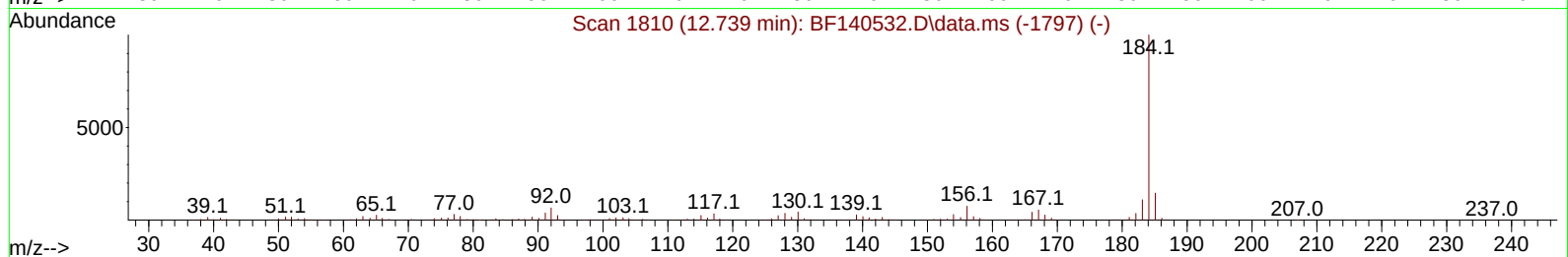
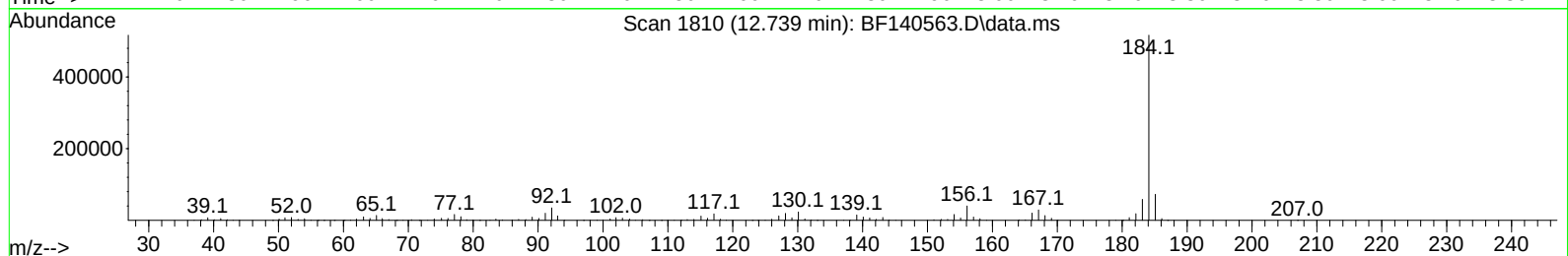
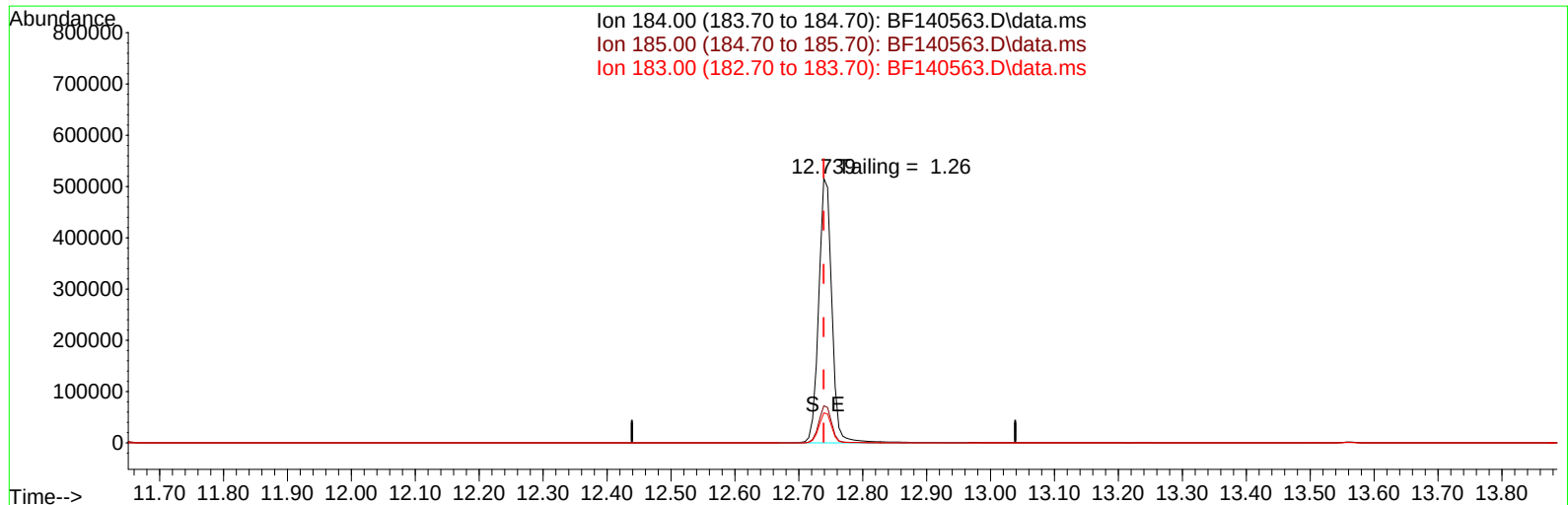
response 170607

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	65.31
264.00	62.30	62.05
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112224\
Data File : BF140563.D
Acq On : 22 Nov 2024 08:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 22 10:51:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



TIC: BF140563.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 28353.32 ng

response 736975

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.05
183.00	11.00	11.34
0.00	0.00	0.00

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BL	SDG No.:	P4822
Lab Sample ID:	PB164940BL	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
BF140448.D	1	11/13/24 09:15	11/18/24 12:24	PB164940

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	82.9	U	82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	170	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	83.0	U	83.0	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	170	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	170	ug/Kg
88-74-4	2-Nitroaniline	95.0	U	95.0	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	170	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BL	SDG No.:	P4822
Lab Sample ID:	PB164940BL	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
BF140448.D	1	11/13/24 09:15	11/18/24 12:24	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.5	U	86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	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	84.4	U	84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	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	81.6	U	81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	85.0	U	85.0	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	330	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91.0	U	91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BL	SDG No.:	P4822
Lab Sample ID:	PB164940BL	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
BF140448.D	1	11/13/24 09:15	11/18/24 12:24	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	131		30 (18) - 130 (112)	87%	SPK: 150
13127-88-3	Phenol-d6	127		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		30 (20) - 130 (109)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 (10) - 130 (116)	88%	SPK: 150
1718-51-0	Terphenyl-d14	97.8		30 (10) - 130 (105)	98%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	138000	6.875
1146-65-2	Naphthalene-d8	537000	8.151
15067-26-2	Acenaphthene-d10	302000	9.91
1517-22-2	Phenanthrene-d10	571000	11.398
1719-03-5	Chrysene-d12	336000	14.051
1520-96-3	Perylene-d12	283000	15.556

TENTATIVE IDENTIFIED COMPOUNDS

004744-10-9	Propane, 1,1-dimethoxy-	100	J	2.32	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A	5.12	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BL	SDG No.:	P4822
Lab Sample ID:	PB164940BL	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
BF140448.D	1	11/13/24 09:15	11/18/24 12:24	PB164940

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\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

Quant Time: Nov 18 12:54:24 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 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	137693	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	537124	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	302062	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	571216	20.000	ng	0.00
76) Chrysene-d12	14.051	240	335934	20.000	ng	0.00
86) Perylene-d12	15.556	264	283190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1057599	131.142	ng	0.02
7) Phenol-d6	6.516	99	1382954	126.573	ng	0.01
23) Nitrobenzene-d5	7.433	82	918736	89.120	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	397896	132.466	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1703658	90.667	ng	0.00
79) Terphenyl-d14	12.986	244	1892743	97.799	ng	0.00

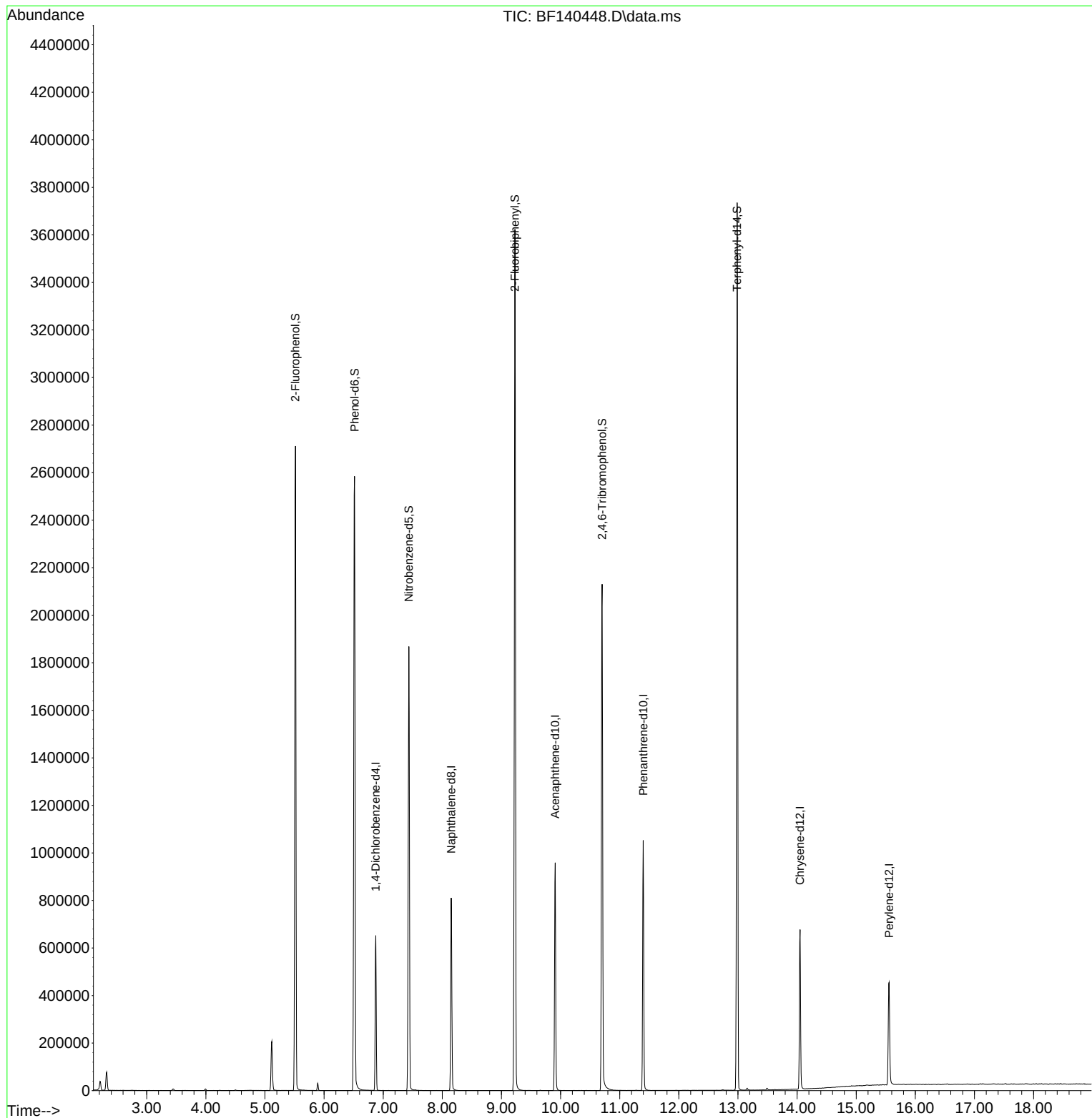
Target Compounds	Qvalue

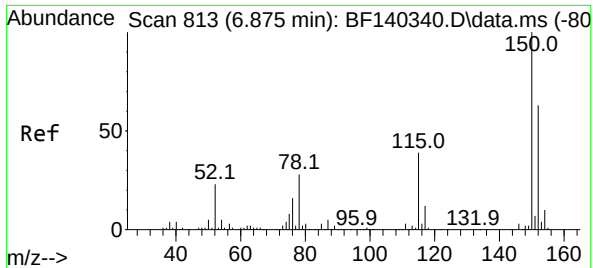
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

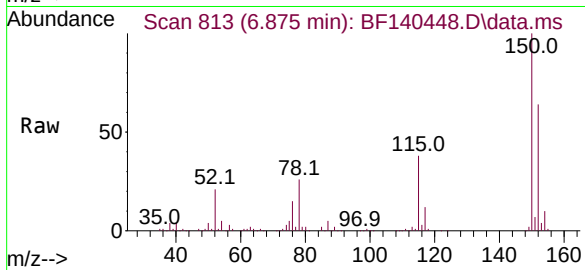
Quant Time: Nov 18 12:54:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



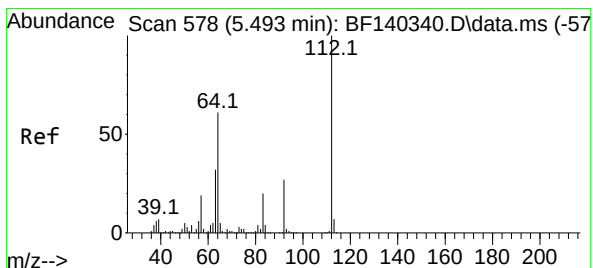
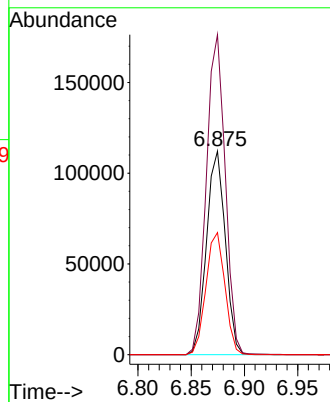
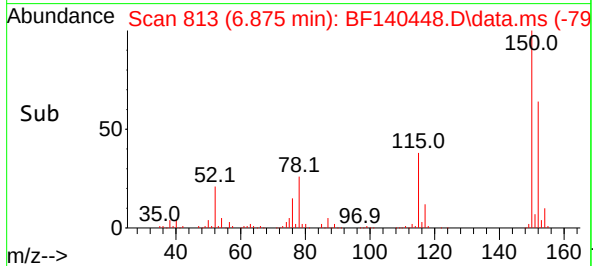


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

Instrument :
BNA_F
ClientSampleId :
PB164940BL

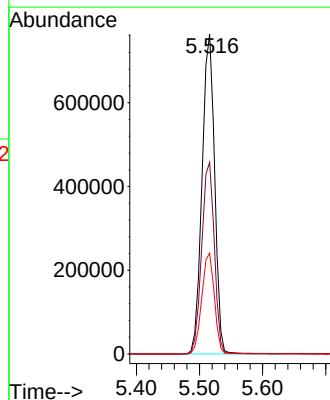
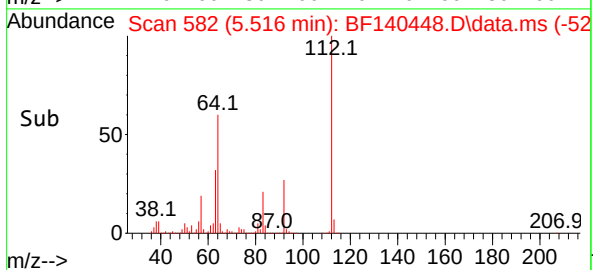
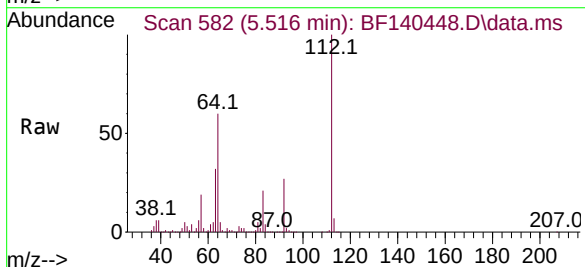


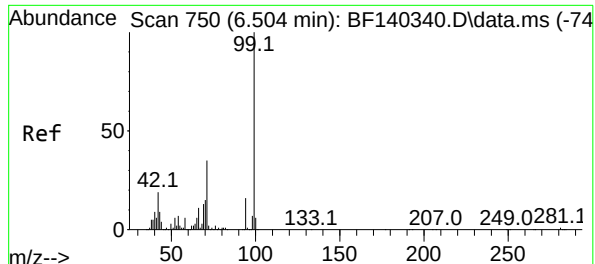
Tgt Ion:152 Resp: 137693
Ion Ratio Lower Upper
152 100
150 157.3 127.4 191.0
115 60.0 47.4 71.2



#5
2-Fluorophenol
Concen: 131.142 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.023 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

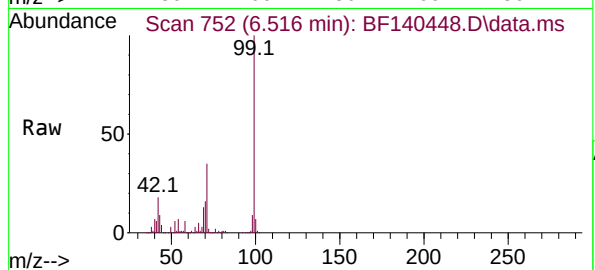
Tgt Ion:112 Resp: 1057599
Ion Ratio Lower Upper
112 100
64 59.9 49.2 73.8
63 31.5 25.6 38.4





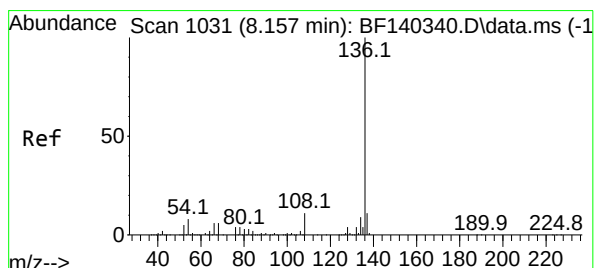
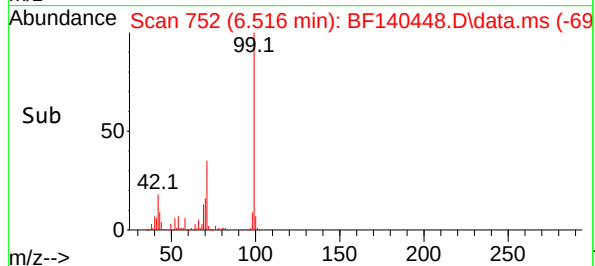
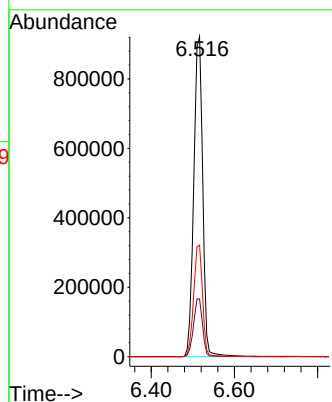
#7
Phenol-d6
Concen: 126.573 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

Instrument :
BNA_F
ClientSampleId :
PB164940BL



Tgt Ion: 99 Resp: 1382954

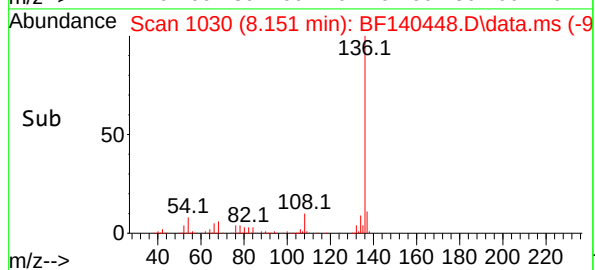
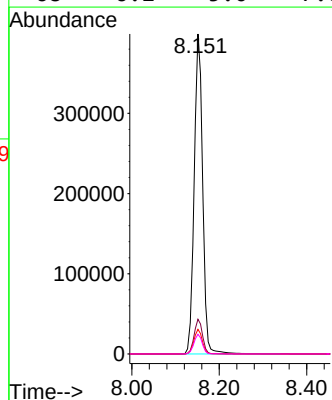
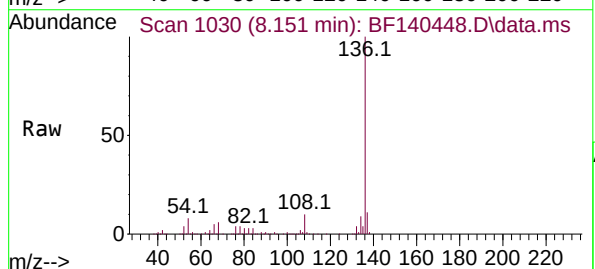
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.1	22.7
71	34.9	27.9	41.9

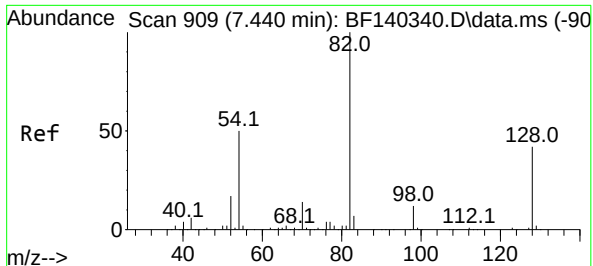


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

Tgt Ion: 136 Resp: 537124

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.7	6.5	9.7
68	6.2	5.0	7.6





#23

Nitrobenzene-d5

Concen: 89.120 ng

RT: 7.433 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF140448.D

Acq: 18 Nov 2024 12:24

Instrument :

BNA_F

ClientSampleId :

PB164940BL

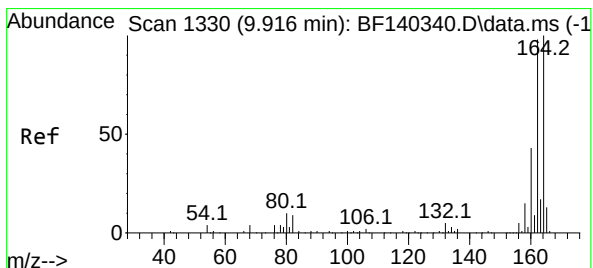
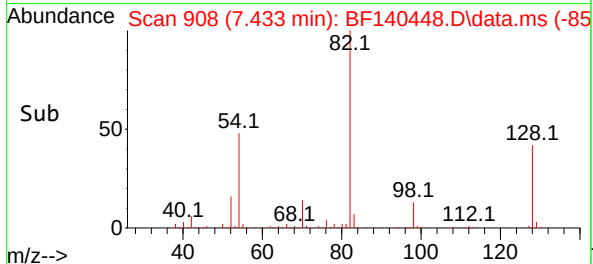
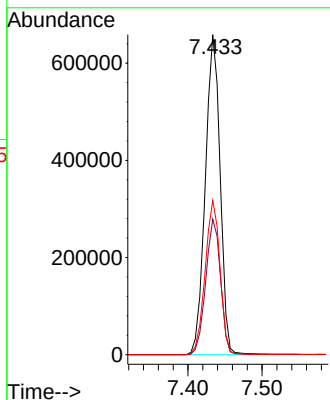
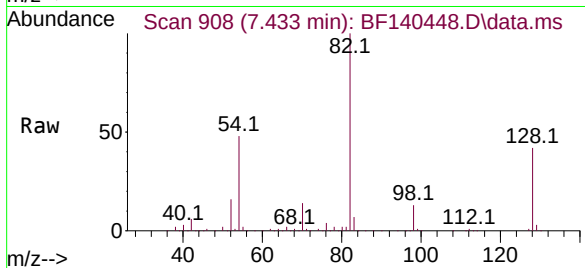
Tgt Ion: 82 Resp: 918736

Ion Ratio Lower Upper

82 100

128 42.4 33.3 49.9

54 48.2 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF140448.D

Acq: 18 Nov 2024 12:24

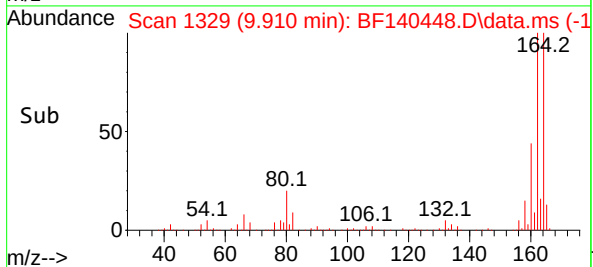
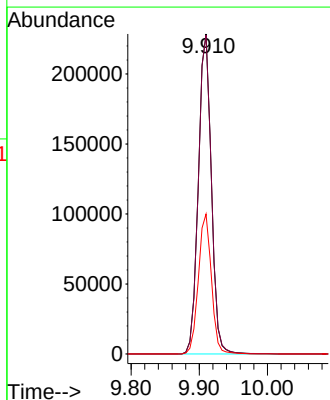
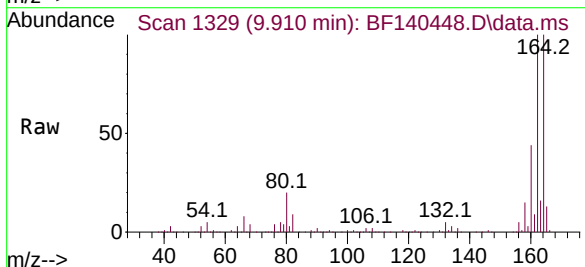
Tgt Ion:164 Resp: 302062

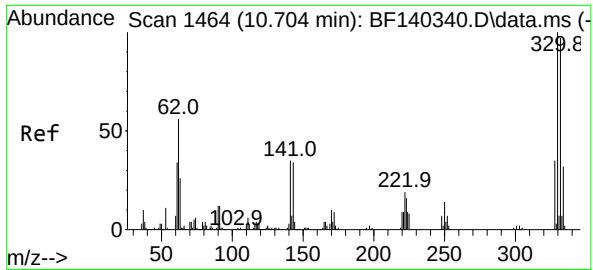
Ion Ratio Lower Upper

164 100

162 99.6 79.8 119.8

160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 132.466 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140448.D

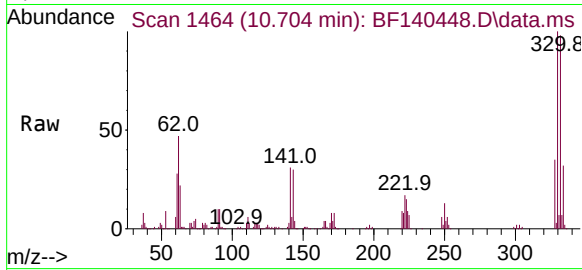
Acq: 18 Nov 2024 12:24

Instrument :

BNA_F

ClientSampleId :

PB164940BL



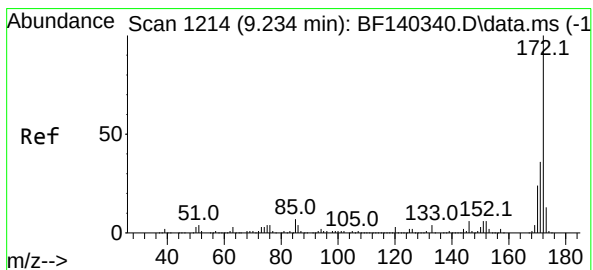
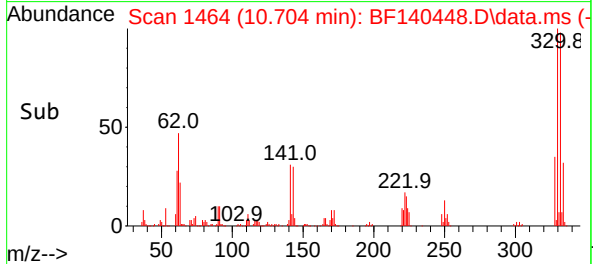
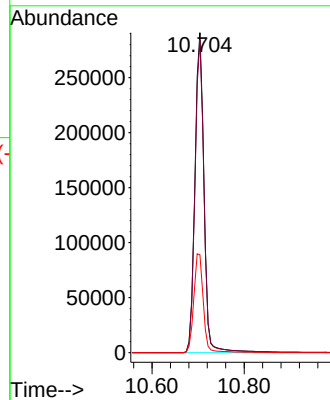
Tgt Ion:330 Resp: 397896

Ion Ratio Lower Upper

330 100

332 97.4 75.9 113.9

141 32.6 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 90.667 ng

RT: 9.227 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140448.D

Acq: 18 Nov 2024 12:24

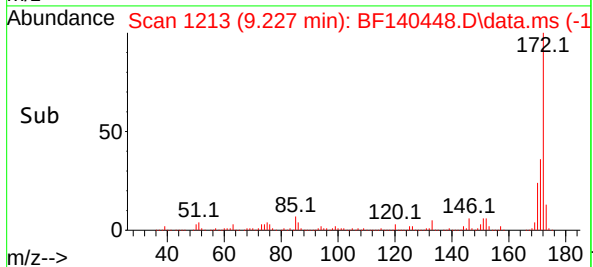
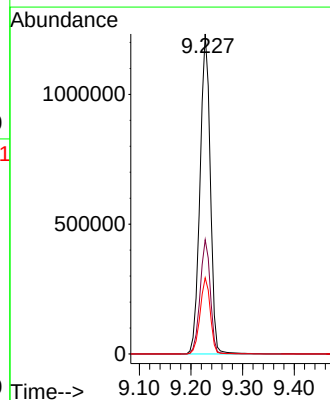
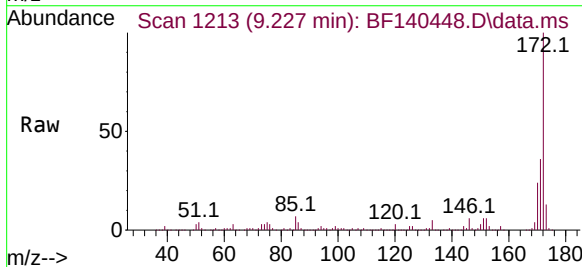
Tgt Ion:172 Resp: 1703658

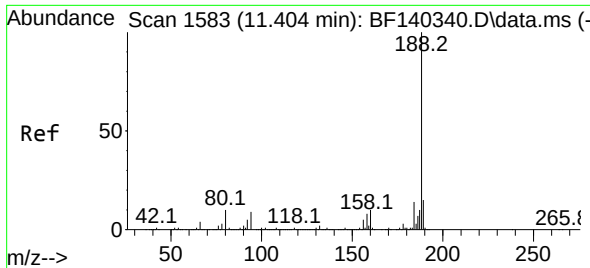
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 23.8 19.1 28.7

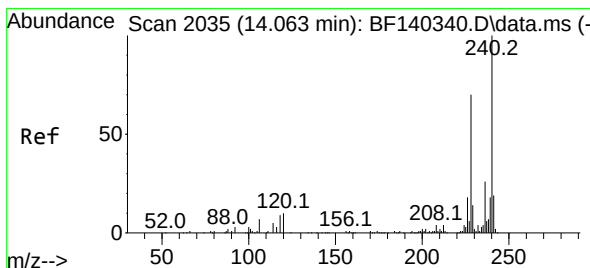
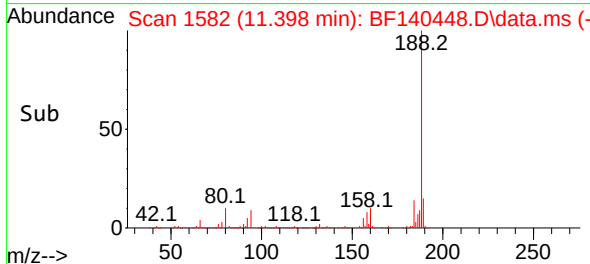
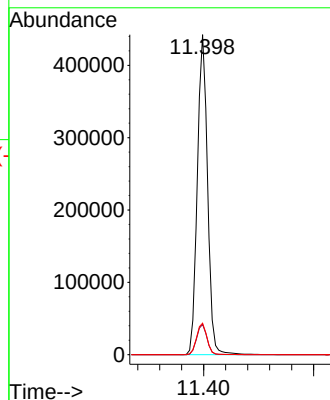
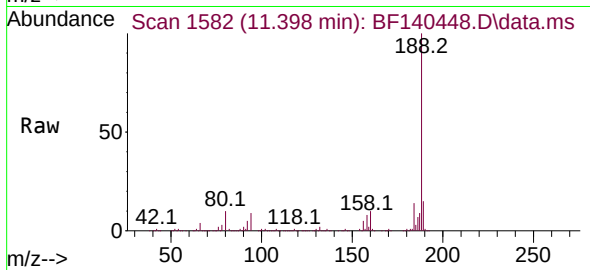




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

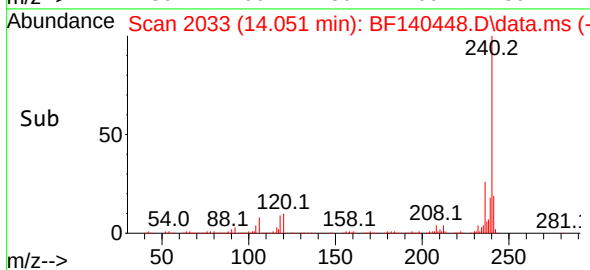
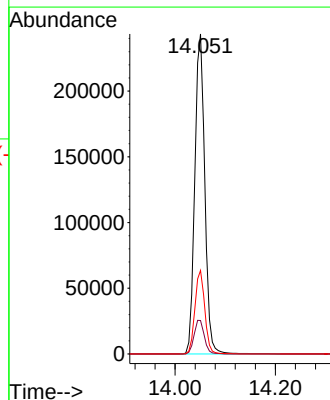
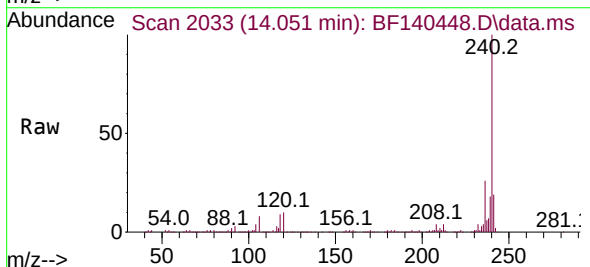
Instrument :
BNA_F
ClientSampleId :
PB164940BL

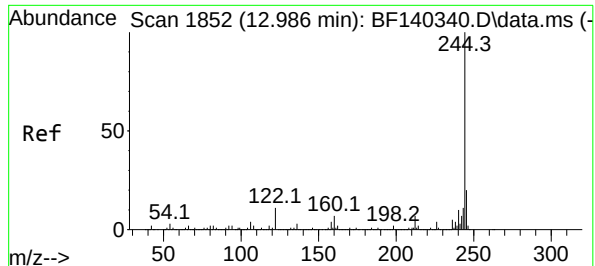
Tgt Ion:188 Resp: 571216
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 9.8 8.0 12.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140448.D
Acq: 18 Nov 2024 12:24

Tgt Ion:240 Resp: 335934
Ion Ratio Lower Upper
240 100
120 10.5 8.8 13.2
236 26.1 20.9 31.3





#79

Terphenyl-d14

Concen: 97.799 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BF140448.D

Acq: 18 Nov 2024 12:24

Instrument :

BNA_F

ClientSampleId :

PB164940BL

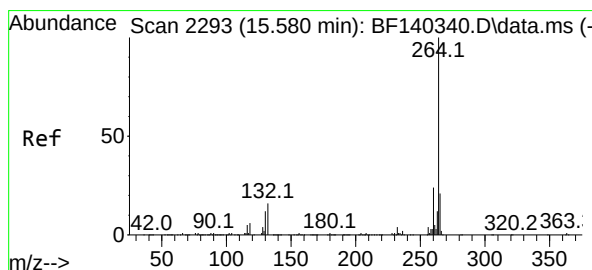
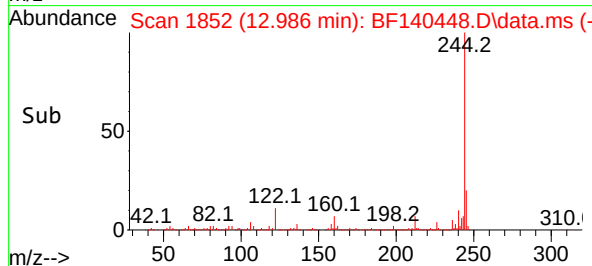
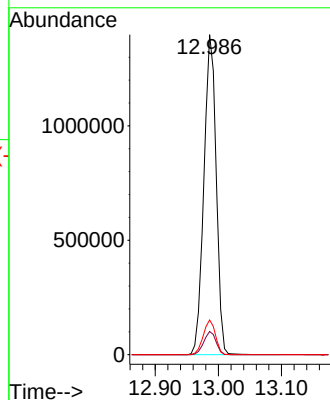
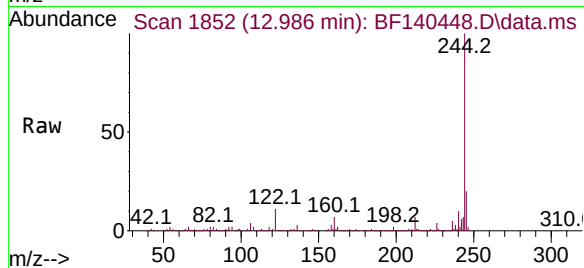
Tgt Ion:244 Resp: 1892743

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.9 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.556 min Scan# 2289

Delta R.T. -0.000 min

Lab File: BF140448.D

Acq: 18 Nov 2024 12:24

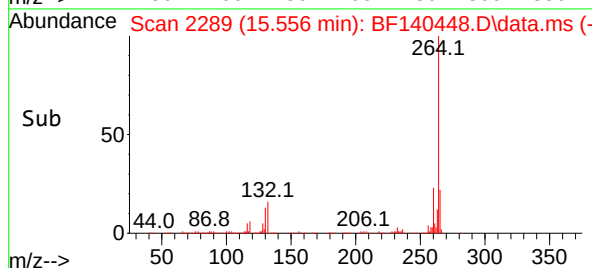
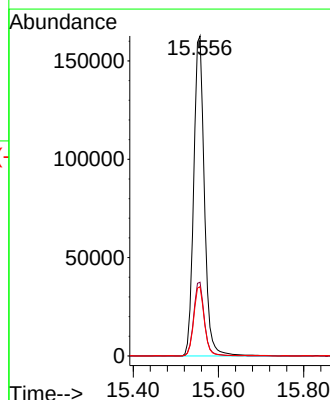
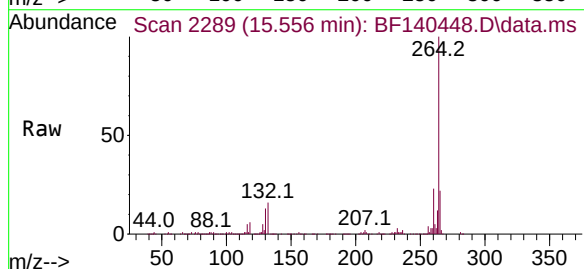
Tgt Ion:264 Resp: 283190

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.7 17.1 25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

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-BF111324.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140448.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.210	10	20	27	rVB	37882	68972	1.38%	0.231%
2	2.322	32	39	46	rVB	77653	122332	2.44%	0.410%
3	5.116	507	514	530	rBV	206644	339881	6.78%	1.139%
4	5.516	575	582	587	rBV	2711110	3744002	74.65%	12.545%
5	6.516	745	752	757	rBV	2583850	3812933	76.03%	12.776%
6	6.875	808	813	818	rBV	651387	806083	16.07%	2.701%
7	7.433	901	908	924	rBV	1867992	2606680	51.98%	8.735%
8	8.151	1024	1030	1045	rBV	810475	1080504	21.55%	3.621%
9	9.227	1206	1213	1218	rBV	3623108	4927534	98.25%	16.511%
10	9.910	1322	1329	1349	rVB	958627	1270648	25.34%	4.258%
11	10.704	1458	1464	1491	rBV	2130138	3015004	60.12%	10.103%
12	11.398	1576	1582	1597	rBV	1052309	1353896	27.00%	4.537%
13	12.986	1846	1852	1857	rBV	3733604	5015080	100.00%	16.805%
14	14.051	2027	2033	2046	rBV	670581	921429	18.37%	3.088%
15	15.556	2282	2289	2304	rBV	431932	758434	15.12%	2.541%

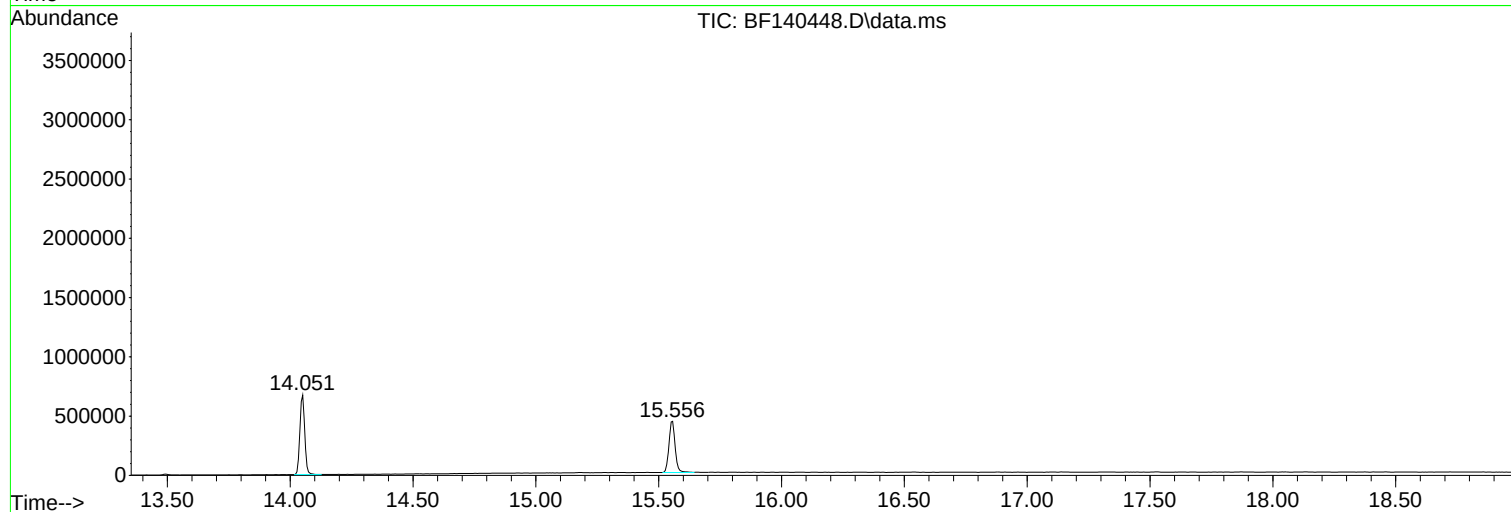
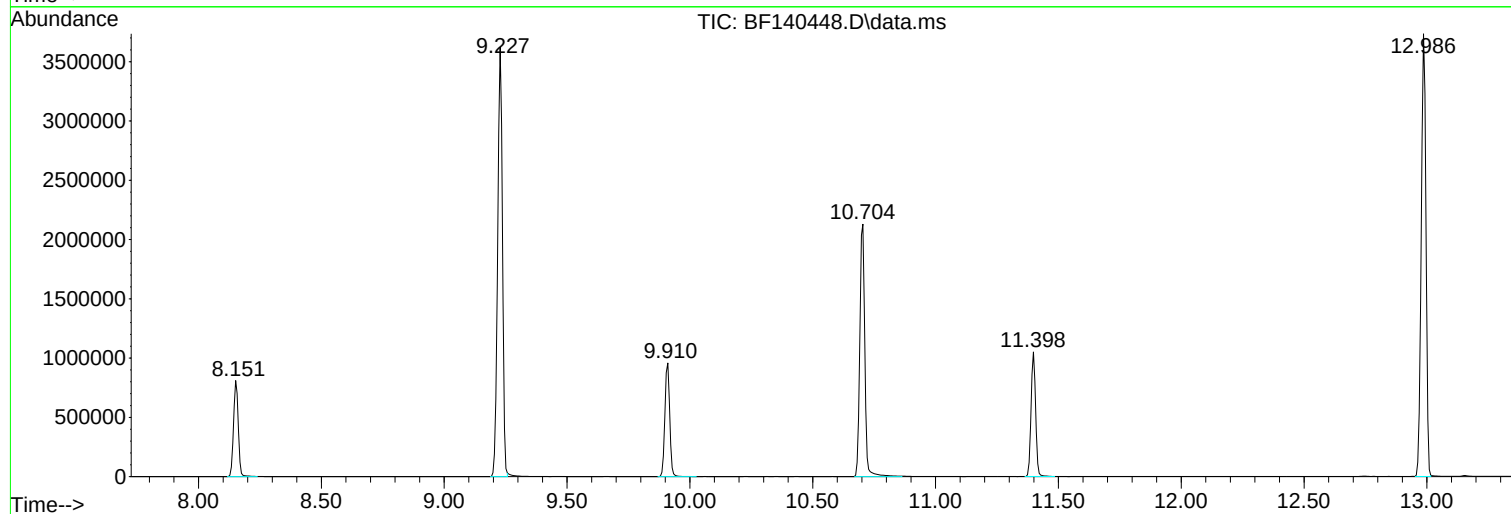
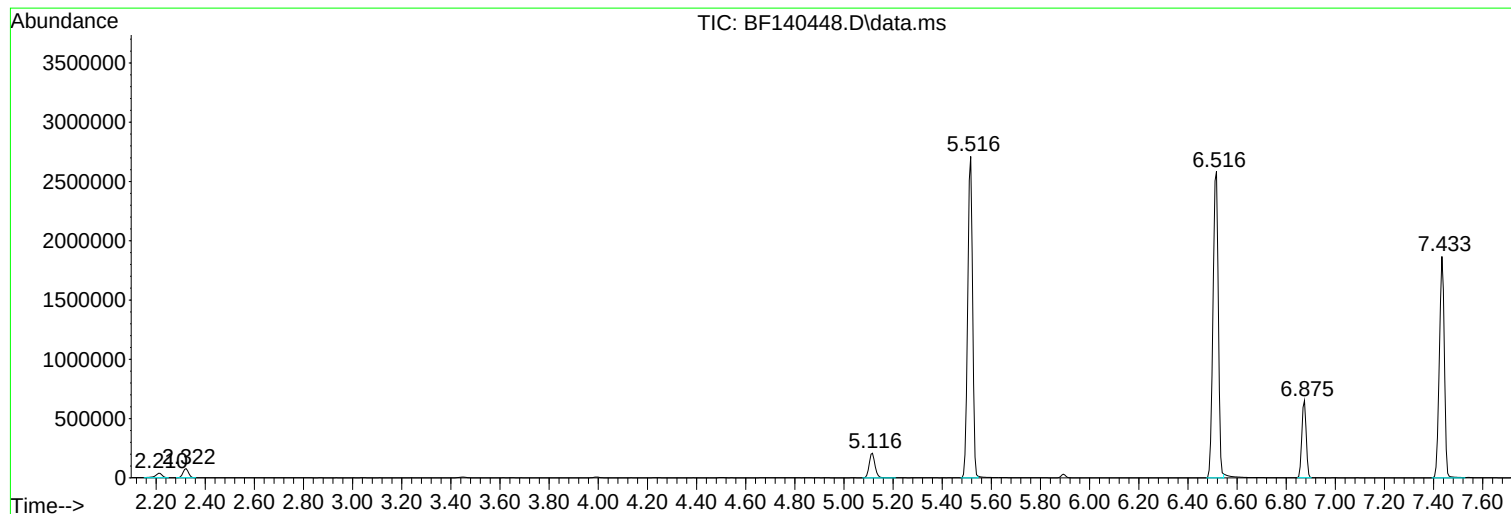
Sum of corrected areas: 29843412

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

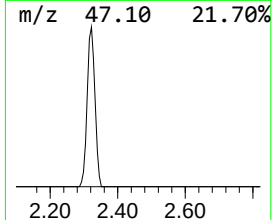
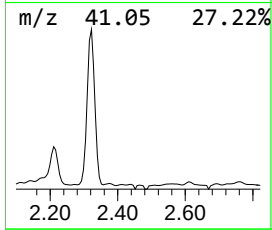
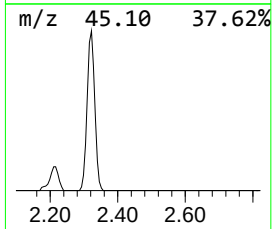
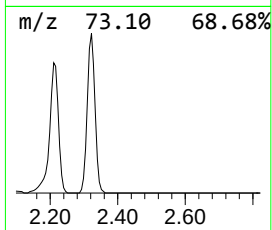
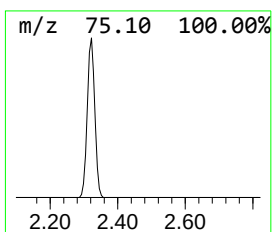
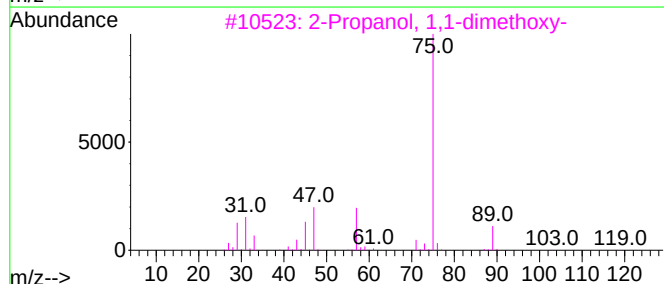
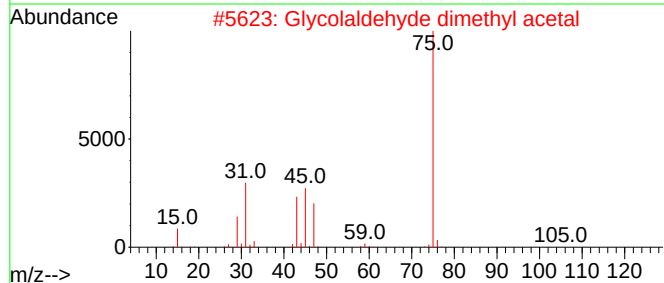
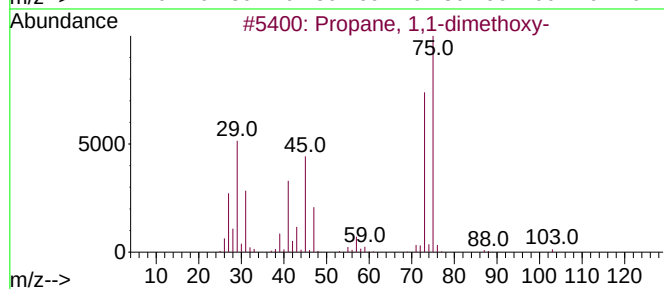
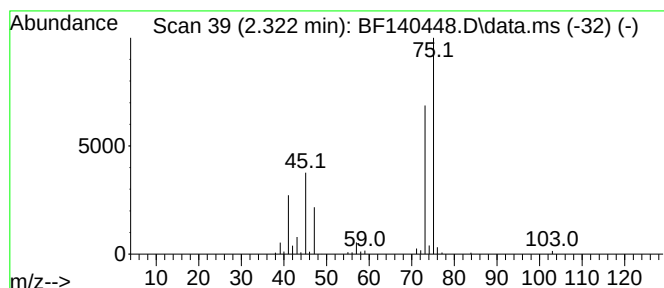
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.322	3.04 ng	122332	1,4-Dichlorobenzene-d4	6.875

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2			Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	56
3			2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	39
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
5			Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

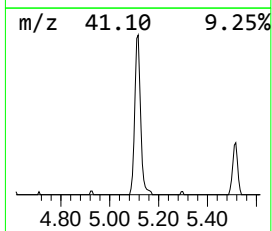
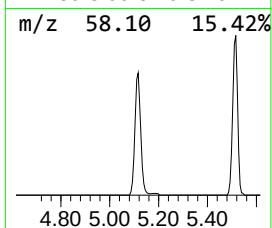
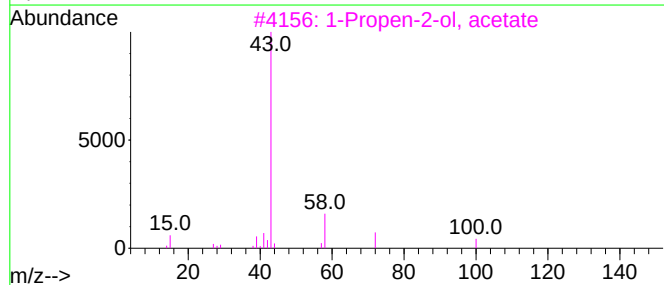
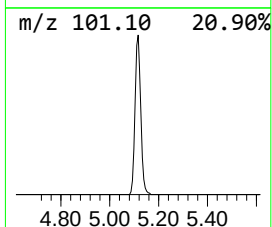
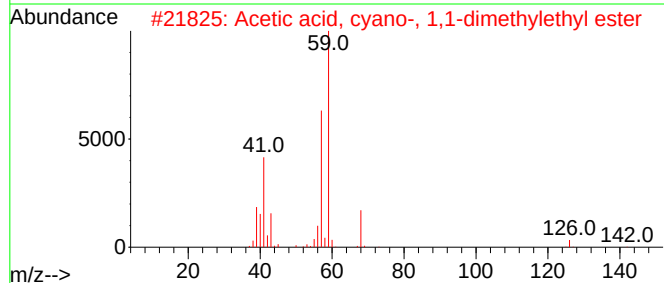
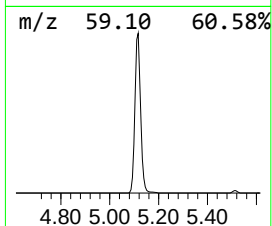
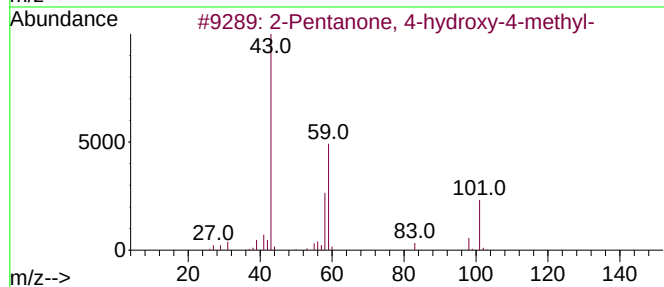
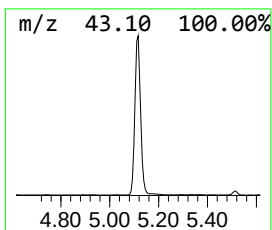
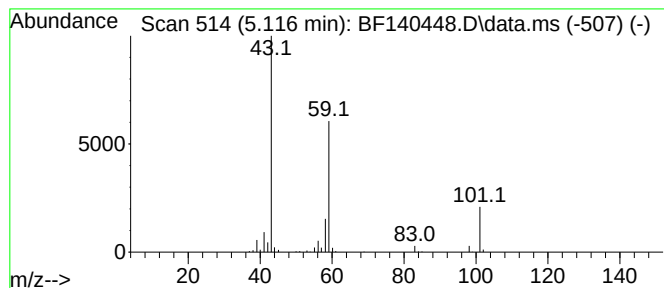
Instrument :
BNA_F
ClientSampleId :
PB164940BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
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 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
5.116	8.43 ng	339881	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	64
2	Acetic acid, cyano-, 1,1-dimethy...		141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate		100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one		98	C6H10O	000109-49-9	9
5	2,3-Butanedione, monooxime		101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
Data File : BF140448.D
Acq On : 18 Nov 2024 12:24
Operator : RC/JU
Sample : PB164940BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164940BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.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
Propane, 1,1-di...	2.322	3.0	ng	122332	1	6.875	806083	20.0
2-Pentanone, 4-...	5.116	8.4	ng	339881	1	6.875	806083	20.0

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BS	SDG No.:	P4822
Lab Sample ID:	PB164940BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
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
BF140449.D	1	11/13/24 09:15	11/18/24 12:50	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1400		180	330	ug/Kg
108-95-2	Phenol	1400		82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	170	ug/Kg
95-57-8	2-Chlorophenol	1500		83.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	170	ug/Kg
78-59-1	Isophorone	1500		84.5	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
106-47-8	4-Chloroaniline	650		82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	170	ug/Kg
105-60-2	Caprolactam	1400		86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5700	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	170	ug/Kg
88-74-4	2-Nitroaniline	1400		94.9	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	170	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BS	SDG No.:	P4822
Lab Sample ID:	PB164940BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
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
BF140449.D	1	11/13/24 09:15	11/18/24 12:50	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1600		86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.1	170	ug/Kg
99-09-2	3-Nitroaniline	860		89.1	170	ug/Kg
83-32-9	Acenaphthene	1600		81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3000	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	2700		120	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		84.9	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	77.2	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	170	ug/Kg
120-12-7	Anthracene	1600		84.3	170	ug/Kg
86-74-8	Carbazole	1400		80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	930		98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		81.0	170	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	
Project:	BAPS North Bergen	Date Received:	
Client Sample ID:	PB164940BS	SDG No.:	P4822
Lab Sample ID:	PB164940BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
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
BF140449.D	1	11/13/24 09:15	11/18/24 12:50	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.7	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	116		30 (15) - 130 (107)	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.4		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (116)	85%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		30 (10) - 130 (105)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	6.875			
1146-65-2	Naphthalene-d8	537000	8.157			
15067-26-2	Acenaphthene-d10	299000	9.91			
1517-22-2	Phenanthrene-d10	551000	11.404			
1719-03-5	Chrysene-d12	300000	14.057			
1520-96-3	Perylene-d12	260000	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\BF111824\
 Data File : BF140449.D
 Acq On : 18 Nov 2024 12:50
 Operator : RC/JU
 Sample : PB164940BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB164940BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 13:22:55 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 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	140752	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	537412	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	299132	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	551457	20.000	ng	0.00
76) Chrysene-d12	14.057	240	299750	20.000	ng	0.00
86) Perylene-d12	15.562	264	260212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	990344	120.133	ng	0.02
7) Phenol-d6	6.516	99	1299695	116.367	ng	0.01
23) Nitrobenzene-d5	7.439	82	860454	83.422	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	378900	127.377	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1583258	85.085	ng	0.00
79) Terphenyl-d14	12.986	244	1702760	98.603	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.734	88	136863	37.250	ng	98
3) Pyridine	3.493	79	349467	38.689	ng	99
4) n-Nitrosodimethylamine	3.446	42	187353	41.039	ng	100
6) Aniline	6.539	93	362848	37.346	ng	# 52
8) 2-Chlorophenol	6.663	128	400974	45.281	ng	98
9) Benzaldehyde	6.428	77	276526	41.310	ng	100
10) Phenol	6.534	94	496736	42.173	ng	77
11) bis(2-Chloroethyl)ether	6.610	93	386155	43.269	ng	99
12) 1,3-Dichlorobenzene	6.816	146	412989	42.269	ng	100
13) 1,4-Dichlorobenzene	6.892	146	412142	41.601	ng	99
14) 1,2-Dichlorobenzene	7.045	146	399233	43.408	ng	99
15) Benzyl Alcohol	7.022	79	357732	44.456	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	522444	42.381	ng	68
17) 2-Methylphenol	7.134	107	317788	43.624	ng	# 93
18) Hexachloroethane	7.386	117	155367	42.421	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	286722	42.505	ng	99
20) 3+4-Methylphenols	7.286	107	399598	43.863	ng	96
22) Acetophenone	7.281	105	531297	42.507	ng	99
24) Nitrobenzene	7.457	77	442798	41.232	ng	99
25) Isophorone	7.692	82	795927	43.540	ng	100
26) 2-Nitrophenol	7.775	139	211119	44.301	ng	98
27) 2,4-Dimethylphenol	7.810	122	324782	53.233	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	483647	43.148	ng	99
29) 2,4-Dichlorophenol	8.016	162	336895	44.680	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	351176	41.833	ng	99
31) Naphthalene	8.175	128	1162230	42.632	ng	99
32) Benzoic acid	7.939	122	221567	41.271	ng	96
33) 4-Chloroaniline	8.228	127	184177	19.426	ng	99
34) Hexachlorobutadiene	8.292	225	225562	42.171	ng	99
35) Caprolactam	8.592	113	106948m	42.675	ng	
36) 4-Chloro-3-methylphenol	8.716	107	368572	44.108	ng	99
37) 2-Methylnaphthalene	8.869	142	764580	43.738	ng	100
38) 1-Methylnaphthalene	8.969	142	710109	41.483	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	355029	42.919	ng	99
41) Hexachlorocyclopentadiene	9.016	237	362772	170.808	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	238713	43.973	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111824\
 Data File : BF140449.D
 Acq On : 18 Nov 2024 12:50
 Operator : RC/JU
 Sample : PB164940BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB164940BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 13:22:55 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 14:40:06 2024

Response via : Initial Calibration

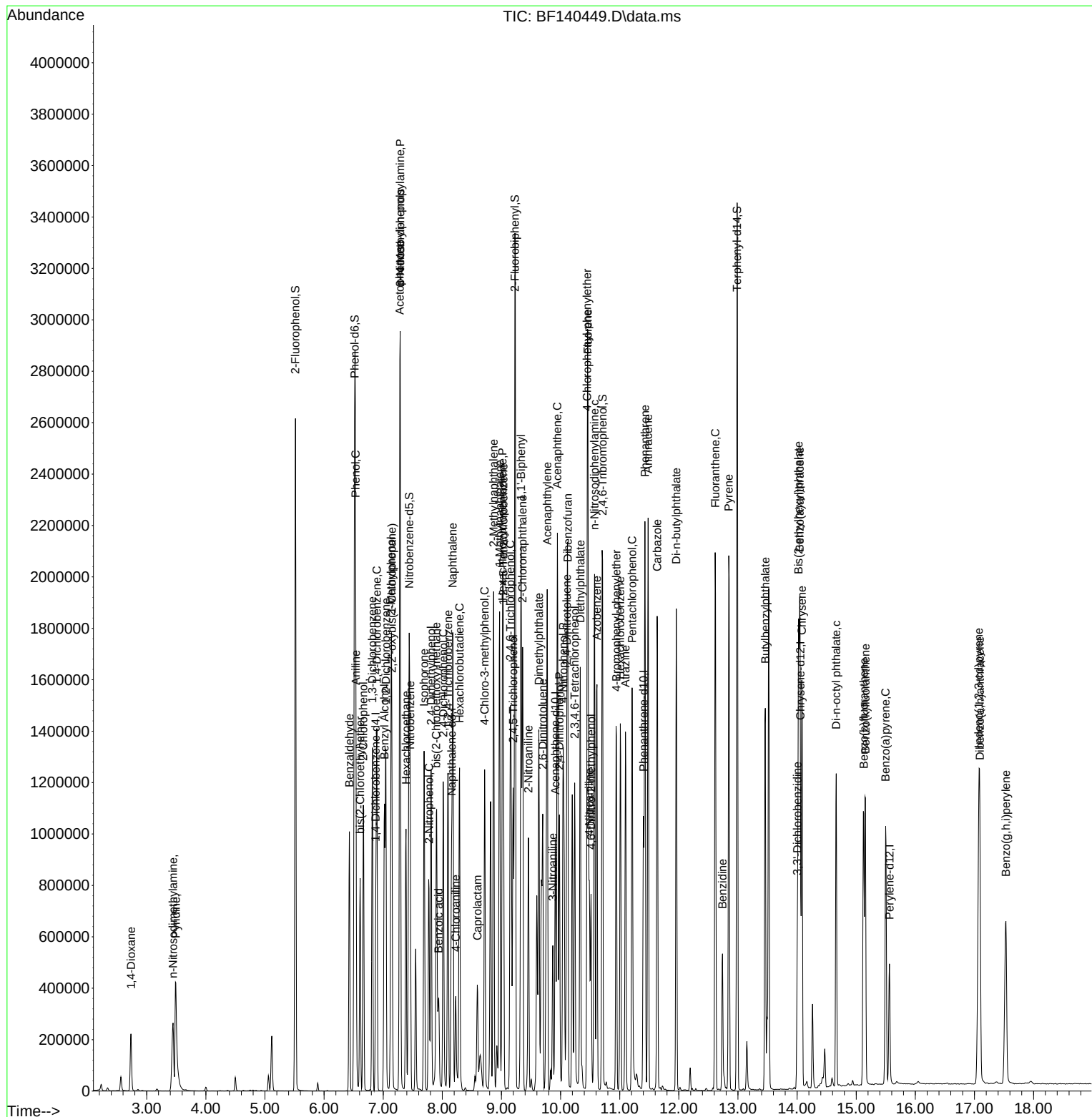
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	254207	42.830	ng	98
46) 1,1'-Biphenyl	9.333	154	947471	43.538	ng	100
47) 2-Chloronaphthalene	9.357	162	703374	42.430	ng	99
48) 2-Nitroaniline	9.457	65	235769	42.885	ng	99
49) Acenaphthylene	9.775	152	1174308	46.820	ng	100
50) Dimethylphthalate	9.633	163	871777	44.712	ng	100
51) 2,6-Dinitrotoluene	9.698	165	186257	41.903	ng	98
52) Acenaphthene	9.945	154	828005m	48.877	ng	
53) 3-Nitroaniline	9.869	138	120934	25.907	ng	99
54) 2,4-Dinitrophenol	9.980	184	204580	89.250	ng	98
55) Dibenzofuran	10.122	168	1063312	44.339	ng	100
56) 4-Nitrophenol	10.045	139	270938	79.571	ng	98
57) 2,4-Dinitrotoluene	10.104	165	258368	44.165	ng	99
58) Fluorene	10.463	166	815858	43.065	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	208761	44.546	ng	98
60) Diethylphthalate	10.333	149	874959	43.886	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	408496	43.676	ng	100
62) 4-Nitroaniline	10.486	138	194597	40.770	ng	99
63) Azobenzene	10.616	77	858363	43.573	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	144140	48.582	ng	95
66) n-Nitrosodiphenylamine	10.574	169	728155	45.700	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	248898	45.152	ng	98
68) Hexachlorobenzene	11.010	284	277399	44.725	ng	100
69) Atrazine	11.098	200	241644	50.127	ng	99
70) Pentachlorophenol	11.210	266	278698	83.419	ng	99
71) Phenanthrene	11.427	178	1173497	45.300	ng	100
72) Anthracene	11.480	178	1191380	46.926	ng	100
73) Carbazole	11.633	167	1080506	43.102	ng	100
74) Di-n-butylphthalate	11.957	149	1344754	44.694	ng	100
75) Fluoranthene	12.616	202	1235731	42.519	ng	100
77) Benzidine	12.739	184	316507	27.511	ng	98
78) Pyrene	12.845	202	1257665	49.051	ng	100
80) Butylbenzylphthalate	13.463	149	490842	49.834	ng	96
81) Benzo(a)anthracene	14.045	228	887051	45.027	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	174512	27.870	ng	100
83) Chrysene	14.080	228	813865	45.278	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	634392	48.254	ng	99
85) Di-n-octyl phthalate	14.662	149	822603	44.427	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	835795	51.997	ng	100
88) Benzo(b)fluoranthene	15.127	252	696487	40.917	ng	99
89) Benzo(k)fluoranthene	15.157	252	630794	45.363	ng	100
90) Benzo(a)pyrene	15.498	252	642643	48.617	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	679502	51.142	ng	100
92) Benzo(g,h,i)perylene	17.533	276	629771	46.363	ng	99

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

Instrument :
BNA_F
ClientSampleId :
PB164940BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MS	SDG No.:	P4822
Lab Sample ID:	P4821-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		GPC Cleanup :	N
		PH :	
		Test:	SVOC-TCL BNA -20
		Final Vol:	1000
			uL

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140432.D	1	11/13/24 09:15	11/16/24 16:16	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	J	120	220	ug/Kg
108-95-2	Phenol	1000		56.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		56.8	120	ug/Kg
95-57-8	2-Chlorophenol	1000		56.6	120	ug/Kg
95-48-7	2-Methylphenol	1000		54.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		61.6	120	ug/Kg
98-86-2	Acetophenone	1000		58.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		54.1	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		27.3	54.2	ug/Kg
67-72-1	Hexachloroethane	960		56.3	120	ug/Kg
98-95-3	Nitrobenzene	970		61.6	120	ug/Kg
78-59-1	Isophorone	1000		57.4	120	ug/Kg
88-75-5	2-Nitrophenol	1100		64.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		63.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		58.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		51.2	120	ug/Kg
91-20-3	Naphthalene	990		56.0	120	ug/Kg
106-47-8	4-Chloroaniline	300		56.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	980		56.5	120	ug/Kg
105-60-2	Caprolactam	1100		58.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		52.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		55.9	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		48.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		50.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		59.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		56.5	120	ug/Kg
88-74-4	2-Nitroaniline	1100		64.4	120	ug/Kg
131-11-3	Dimethylphthalate	1000		55.4	120	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MS	SDG No.:	P4822
Lab Sample ID:	P4821-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140432.D	1	11/13/24 09:15	11/16/24 16:16	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		58.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		56.4	120	ug/Kg
99-09-2	3-Nitroaniline	670		60.5	120	ug/Kg
83-32-9	Acenaphthene	1100		55.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	220	ug/Kg
100-02-7	4-Nitrophenol	2100	E	78.7	220	ug/Kg
132-64-9	Dibenzofuran	1000		57.2	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		58.4	120	ug/Kg
84-66-2	Diethylphthalate	1000		54.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		58.0	120	ug/Kg
86-73-7	Fluorene	1000		58.0	120	ug/Kg
100-01-6	4-Nitroaniline	950		72.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	940		79.3	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		55.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		53.5	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		57.6	120	ug/Kg
1912-24-9	Atrazine	1200		62.0	120	ug/Kg
87-86-5	Pentachlorophenol	1900	E	52.4	220	ug/Kg
85-01-8	Phenanthrene	1000		57.0	120	ug/Kg
120-12-7	Anthracene	1100		57.2	120	ug/Kg
86-74-8	Carbazole	1000		54.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		57.2	120	ug/Kg
206-44-0	Fluoranthene	890		55.4	120	ug/Kg
129-00-0	Pyrene	1000		56.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1000		65.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	800		66.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	1000		54.7	120	ug/Kg
218-01-9	Chrysene	1000		53.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		61.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		74.6	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		55.0	120	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MS	SDG No.:	P4822
Lab Sample ID:	P4821-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140432.D	1	11/13/24 09:15	11/16/24 16:16	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		63.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	790		53.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	790		55.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660		54.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		58.9	120	ug/Kg
123-91-1	1,4-Dioxane	960		74.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.7	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	101		30 (18) - 130 (112)	67%	SPK: 150
13127-88-3	Phenol-d6	98.9		30 (15) - 130 (107)	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.7		30 (18) - 130 (107)	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.2		30 (20) - 130 (109)	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	107		30 (10) - 130 (116)	71%	SPK: 150
1718-51-0	Terphenyl-d14	70.5		30 (10) - 130 (105)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.875			
1146-65-2	Naphthalene-d8	461000	8.157			
15067-26-2	Acenaphthene-d10	252000	9.91			
1517-22-2	Phenanthrene-d10	476000	11.398			
1719-03-5	Chrysene-d12	261000	14.051			
1520-96-3	Perylene-d12	262000	15.545			

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\BF111624\
 Data File : BF140432.D
 Acq On : 16 Nov 2024 16:16
 Operator : RC/JU
 Sample : P4821-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-24MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:07:49 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	124316	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	461071	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	252226	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	475583	20.000	ng	0.00
76) Chrysene-d12	14.051	240	261264	20.000	ng	0.00
86) Perylene-d12	15.545	264	262017	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	734541	100.884	ng	0.02
7) Phenol-d6	6.516	99	975997	98.938	ng	0.01
23) Nitrobenzene-d5	7.434	82	616890	69.711	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	267856	106.793	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1102155	70.245	ng	0.00
79) Terphenyl-d14	12.980	244	1060690	70.470	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	137150	42.263	ng	99
3) Pyridine	3.446	79	345342	43.287	ng	99
4) n-Nitrosodimethylamine	3.398	42	177313	43.975	ng	100
6) Aniline	6.539	93	270459	31.517	ng	# 54
8) 2-Chlorophenol	6.663	128	361086	46.167	ng	98
9) Benzaldehyde	6.422	77	34129	5.773	ng	99
10) Phenol	6.528	94	463787	44.582	ng	86
11) bis(2-Chloroethyl)ether	6.604	93	347761	44.118	ng	98
12) 1,3-Dichlorobenzene	6.816	146	373172	43.243	ng	98
13) 1,4-Dichlorobenzene	6.892	146	379155	43.331	ng	99
14) 1,2-Dichlorobenzene	7.045	146	365021	44.936	ng	98
15) Benzyl Alcohol	7.016	79	325468	45.794	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	466338	42.831	ng	73
17) 2-Methylphenol	7.134	107	284914	44.282	ng	94
18) Hexachloroethane	7.386	117	136810	42.293	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	250940	42.119	ng	98
20) 3+4-Methylphenols	7.286	107	359498	44.678	ng	99
22) Acetophenone	7.281	105	479569	44.721	ng	98
24) Nitrobenzene	7.457	77	395398	42.915	ng	99
25) Isophorone	7.692	82	691225	44.073	ng	99
26) 2-Nitrophenol	7.769	139	190019	46.475	ng	99
27) 2,4-Dimethylphenol	7.810	122	278761m	53.255	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	417628	43.427	ng	100
29) 2,4-Dichlorophenol	8.016	162	296400	45.818	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	309586	42.984	ng	99
31) Naphthalene	8.175	128	1027189	43.917	ng	100
32) Benzoic acid	7.928	122	211271	45.869	ng	98
33) 4-Chloroaniline	8.228	127	107207	13.180	ng	96
34) Hexachlorobutadiene	8.292	225	197998	43.147	ng	99
35) Caprolactam	8.586	113	100603m	46.789	ng	
36) 4-Chloro-3-methylphenol	8.716	107	321329	44.822	ng	98
37) 2-Methylnaphthalene	8.869	142	665818	44.395	ng	100
38) 1-Methylnaphthalene	8.969	142	622952	42.417	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	315879	45.288	ng	99
41) Hexachlorocyclopentadiene	9.016	237	219172	122.386	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	212234	46.366	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140432.D
 Acq On : 16 Nov 2024 16:16
 Operator : RC/JU
 Sample : P4821-01MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-24MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:07:49 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	9.198	196	221495	44.259	ng	97
46) 1,1'-Biphenyl	9.333	154	818224	44.591	ng	100
47) 2-Chloronaphthalene	9.357	162	621171	44.440	ng	99
48) 2-Nitroaniline	9.457	65	215468	46.481	ng	100
49) Acenaphthylene	9.775	152	1027133	48.568	ng	100
50) Dimethylphthalate	9.633	163	745110	45.322	ng	99
51) 2,6-Dinitrotoluene	9.698	165	166695	44.476	ng	94
52) Acenaphthene	9.945	154	704565	49.325	ng	99
53) 3-Nitroaniline	9.863	138	116107	29.498	ng	98
54) 2,4-Dinitrophenol	9.975	184	135133	69.917	ng	99
55) Dibenzofuran	10.116	168	932061	46.094	ng	100
56) 4-Nitrophenol	10.039	139	269211	93.768	ng	99
57) 2,4-Dinitrotoluene	10.098	165	228856	46.395	ng	99
58) Fluorene	10.463	166	729282	45.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	189745	48.018	ng	99
60) Diethylphthalate	10.327	149	751940	44.729	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	348083	44.137	ng	98
62) 4-Nitroaniline	10.480	138	168543	41.878	ng	99
63) Azobenzene	10.610	77	880227	52.993	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	106305	41.546	ng	98
66) n-Nitrosodiphenylamine	10.569	169	636123	46.293	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	212193	44.635	ng	97
68) Hexachlorobenzene	11.010	284	238073	44.509	ng	98
69) Atrazine	11.098	200	211837	50.955	ng	99
70) Pentachlorophenol	11.210	266	241657	83.871	ng	97
71) Phenanthrene	11.427	178	1024587	45.862	ng	100
72) Anthracene	11.480	178	1060953	48.456	ng	99
73) Carbazole	11.633	167	959108	44.363	ng	100
74) Di-n-butylphthalate	11.957	149	1147737	44.232	ng	100
75) Fluoranthene	12.616	202	992301	39.590	ng	100
77) Benzidine	12.733	184	255334	25.463	ng	99
78) Pyrene	12.845	202	990327	44.314	ng	99
80) Butylbenzylphthalate	13.457	149	394161	45.913	ng	98
81) Benzo(a)anthracene	14.039	228	797440	46.441	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	193490	35.452	ng	99
83) Chrysene	14.074	228	726073	46.344	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	514146	44.869	ng	99
85) Di-n-octyl phthalate	14.645	149	812333	50.335	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	568648	35.133	ng	99
88) Benzo(b)fluoranthene	15.109	252	738862	43.108	ng	99
89) Benzo(k)fluoranthene	15.139	252	692621	49.466	ng	99
90) Benzo(a)pyrene	15.480	252	647733	48.664	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	468399	35.010	ng	99
92) Benzo(g,h,i)perylene	17.503	276	400698	29.296	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140432.D
Acq On : 16 Nov 2024 16:16
Operator : RC/JU
Sample : P4821-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

BP-F-24MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

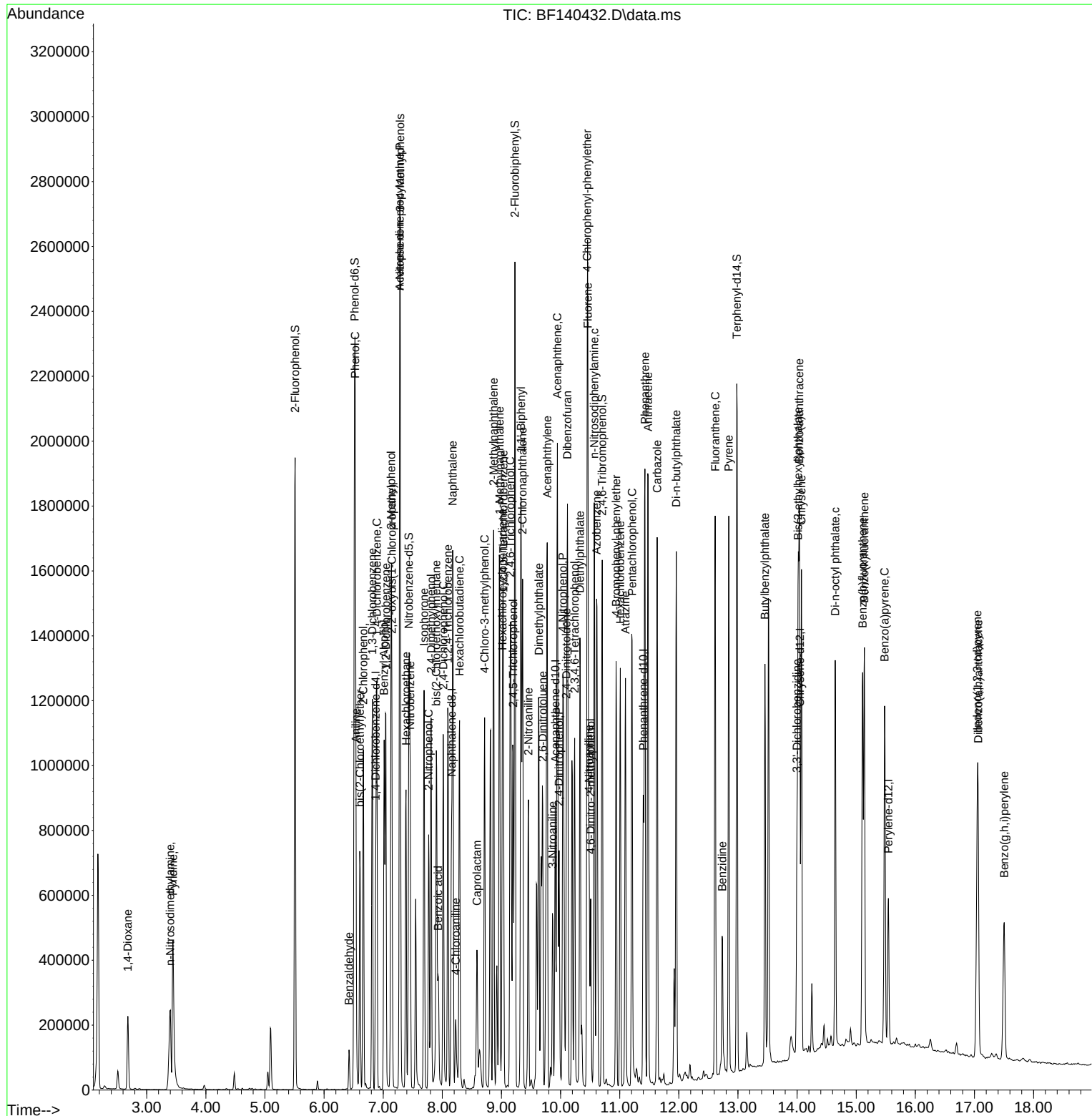
Quant Time: Nov 18 00:07:49 2024

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



Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MSD	SDG No.:	P4822
Lab Sample ID:	P4821-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		Level :	LOW
		GPC Factor :	1.0
		GPC Cleanup :	N
		PH :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140433.D	1	11/13/24 09:15	11/16/24 16:42	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	130	J	120	220	ug/Kg
108-95-2	Phenol	970		56.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	960		56.8	120	ug/Kg
95-57-8	2-Chlorophenol	1000		56.6	120	ug/Kg
95-48-7	2-Methylphenol	960		54.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		61.7	120	ug/Kg
98-86-2	Acetophenone	980		58.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	990		54.1	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	920		27.3	54.3	ug/Kg
67-72-1	Hexachloroethane	930		56.3	120	ug/Kg
98-95-3	Nitrobenzene	950		61.6	120	ug/Kg
78-59-1	Isophorone	960		57.4	120	ug/Kg
88-75-5	2-Nitrophenol	1000		64.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		63.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		58.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		51.2	120	ug/Kg
91-20-3	Naphthalene	960		56.0	120	ug/Kg
106-47-8	4-Chloroaniline	200		56.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	940		56.5	120	ug/Kg
105-60-2	Caprolactam	1000		58.9	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		52.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	970		56.0	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	E	110	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		48.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		50.2	120	ug/Kg
92-52-4	1,1-Biphenyl	990		59.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	970		56.5	120	ug/Kg
88-74-4	2-Nitroaniline	1000		64.4	120	ug/Kg
131-11-3	Dimethylphthalate	990		55.4	120	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MSD	SDG No.:	P4822
Lab Sample ID:	P4821-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.03 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
BF140433.D	1	11/13/24 09:15	11/16/24 16:42	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		58.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		56.4	120	ug/Kg
99-09-2	3-Nitroaniline	550		60.5	120	ug/Kg
83-32-9	Acenaphthene	1100		55.0	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	78.7	220	ug/Kg
132-64-9	Dibenzofuran	1000		57.3	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	990		58.5	120	ug/Kg
84-66-2	Diethylphthalate	960		54.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		58.1	120	ug/Kg
86-73-7	Fluorene	980		58.0	120	ug/Kg
100-01-6	4-Nitroaniline	860		72.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	880		79.4	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		55.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	970		53.5	120	ug/Kg
118-74-1	Hexachlorobenzene	990		57.7	120	ug/Kg
1912-24-9	Atrazine	1100		62.0	120	ug/Kg
87-86-5	Pentachlorophenol	1800		52.4	220	ug/Kg
85-01-8	Phenanthrene	1000		57.0	120	ug/Kg
120-12-7	Anthracene	1000		57.3	120	ug/Kg
86-74-8	Carbazole	940		54.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	950		57.2	120	ug/Kg
206-44-0	Fluoranthene	820		55.4	120	ug/Kg
129-00-0	Pyrene	890		56.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	890		65.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710		66.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	990		54.7	120	ug/Kg
218-01-9	Chrysene	1000		53.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	880		61.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		74.6	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	980		55.0	120	ug/Kg

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	BP-F-24MSD	SDG No.:	P4822
Lab Sample ID:	P4821-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	50.03 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
BF140433.D	1	11/13/24 09:15	11/16/24 16:42	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		56.0	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		63.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	750		53.0	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	760		55.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	640		54.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		58.9	120	ug/Kg
123-91-1	1,4-Dioxane	940		74.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.7	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	98.4		30 (18) - 130 (112)	66%	SPK: 150
13127-88-3	Phenol-d6	95.6		30 (15) - 130 (107)	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.3		30 (18) - 130 (107)	67%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.1		30 (20) - 130 (109)	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.7		30 (10) - 130 (116)	66%	SPK: 150
1718-51-0	Terphenyl-d14	62.1		30 (10) - 130 (105)	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.875			
1146-65-2	Naphthalene-d8	442000	8.157			
15067-26-2	Acenaphthene-d10	241000	9.91			
1517-22-2	Phenanthrene-d10	436000	11.398			
1719-03-5	Chrysene-d12	249000	14.045			
1520-96-3	Perylene-d12	248000	15.527			

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\BF111624\
 Data File : BF140433.D
 Acq On : 16 Nov 2024 16:42
 Operator : RC/JU
 Sample : P4821-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

BP-F-24MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/19/2024

Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:08:11 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	119493	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	442293	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	241191	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	435790	20.000	ng	0.00
76) Chrysene-d12	14.045	240	249345	20.000	ng	0.00
86) Perylene-d12	15.527	264	247757	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	688807	98.421	ng	0.02
7) Phenol-d6	6.516	99	906536	95.606	ng	0.01
23) Nitrobenzene-d5	7.434	82	571535	67.328	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	239148	99.709	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1021774	68.102	ng	0.00
79) Terphenyl-d14	12.980	244	892347	62.120	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.675	88	130161	41.728	ng	99
3) Pyridine	3.440	79	326005	42.513	ng	99
4) n-Nitrosodimethylamine	3.393	42	166743	43.023	ng	100
6) Aniline	6.534	93	188951	22.907	ng	# 1
8) 2-Chlorophenol	6.663	128	337536	44.898	ng	97
9) Benzaldehyde	6.422	77	31984	5.628	ng	97
10) Phenol	6.528	94	430542	43.056	ng	91
11) bis(2-Chloroethyl)ether	6.604	93	320862	42.349	ng	98
12) 1,3-Dichlorobenzene	6.816	146	348212	41.980	ng	99
13) 1,4-Dichlorobenzene	6.893	146	352982	41.968	ng	99
14) 1,2-Dichlorobenzene	7.040	146	338104	43.302	ng	99
15) Benzyl Alcohol	7.016	79	302393	44.265	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.146	45	429053	40.997	ng	75
17) 2-Methylphenol	7.134	107	261839	42.339	ng	# 93
18) Hexachloroethane	7.387	117	127424	40.981	ng	99
19) n-Nitroso-di-n-propyla...	7.281	70	233167	40.716	ng	99
20) 3+4-Methylphenols	7.287	107	338225	43.731	ng	98
22) Acetophenone	7.281	105	446087	43.365	ng	98
24) Nitrobenzene	7.451	77	369653	41.824	ng	100
25) Isophorone	7.693	82	640030	42.542	ng	99
26) 2-Nitrophenol	7.769	139	176768	45.070	ng	98
27) 2,4-Dimethylphenol	7.810	122	263614m	52.499	ng	
28) bis(2-Chloroethoxy)met...	7.898	93	388659	42.131	ng	100
29) 2,4-Dichlorophenol	8.016	162	276751	44.597	ng	99
30) 1,2,4-Trichlorobenzene	8.093	180	280378	40.582	ng	99
31) Naphthalene	8.175	128	954442	42.539	ng	100
32) Benzoic acid	7.928	122	188980	42.771	ng	97
33) 4-Chloroaniline	8.228	127	69712	8.934	ng	97
34) Hexachlorobutadiene	8.293	225	182530	41.465	ng	98
35) Caprolactam	8.587	113	93218m	45.195	ng	
36) 4-Chloro-3-methylphenol	8.716	107	299394	43.535	ng	99
37) 2-Methylnaphthalene	8.869	142	615981	42.816	ng	99
38) 1-Methylnaphthalene	8.963	142	575040	40.817	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	292097	43.794	ng	99
41) Hexachlorocyclopentadiene	9.016	237	185985	108.606	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	195711	44.713	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
 Data File : BF140433.D
 Acq On : 16 Nov 2024 16:42
 Operator : RC/JU
 Sample : P4821-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F-24MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/19/2024
 Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:08:11 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	9.192	196	204768	42.789	ng	98
46) 1,1'-Biphenyl	9.328	154	764603	43.576	ng	100
47) 2-Chloronaphthalene	9.357	162	574483	42.980	ng	99
48) 2-Nitroaniline	9.451	65	198947	44.881	ng	96
49) Acenaphthylene	9.775	152	944697	46.714	ng	99
50) Dimethylphthalate	9.628	163	686416	43.662	ng	99
51) 2,6-Dinitrotoluene	9.692	165	152718	42.611	ng	98
52) Acenaphthene	9.945	154	638945	46.778	ng	100
53) 3-Nitroaniline	9.863	138	92077	24.463	ng	99
54) 2,4-Dinitrophenol	9.975	184	118527	64.131	ng	98
55) Dibenzofuran	10.116	168	868711	44.927	ng	99
56) 4-Nitrophenol	10.039	139	235645	85.832	ng	98
57) 2,4-Dinitrotoluene	10.098	165	207569	44.005	ng	99
58) Fluorene	10.463	166	664869	43.526	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	176163	46.621	ng	96
60) Diethylphthalate	10.328	149	682329	42.445	ng	100
61) 4-Chlorophenyl-phenyle...	10.451	204	326950	43.354	ng	97
62) 4-Nitroaniline	10.481	138	145972	37.930	ng	98
63) Azobenzene	10.610	77	806432	50.771	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	90934	38.784	ng	95
66) n-Nitrosodiphenylamine	10.569	169	583203	46.317	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	187525	43.048	ng	98
68) Hexachlorobenzene	11.010	284	213713	43.603	ng	97
69) Atrazine	11.098	200	185421	48.673	ng	99
70) Pentachlorophenol	11.204	266	206235	78.113	ng	99
71) Phenanthrene	11.428	178	901845	44.054	ng	100
72) Anthracene	11.475	178	923292	46.019	ng	99
73) Carbazole	11.633	167	824140	41.601	ng	99
74) Di-n-butylphthalate	11.957	149	996031	41.890	ng	100
75) Fluoranthene	12.616	202	836066	36.403	ng	99
77) Benzidine	12.733	184	228946	23.923	ng	99
78) Pyrene	12.845	202	840339	39.400	ng	99
80) Butylbenzylphthalate	13.457	149	322887	39.409	ng	97
81) Benzo(a)anthracene	14.033	228	720875	43.989	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	164659	31.612	ng	98
83) Chrysene	14.074	228	688044	46.016	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	424946	38.857	ng	99
85) Di-n-octyl phthalate	14.633	149	719149	46.691	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	509613	33.298	ng	99
88) Benzo(b)fluoranthene	15.098	252	703340	43.397	ng	99
89) Benzo(k)fluoranthene	15.127	252	635814	48.022	ng	100
90) Benzo(a)pyrene	15.469	252	595249	47.295	ng	100
91) Dibenzo(a,h)anthracene	17.045	278	426323	33.700	ng	100
92) Benzo(g,h,i)perylene	17.486	276	367210	28.393	ng	100

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

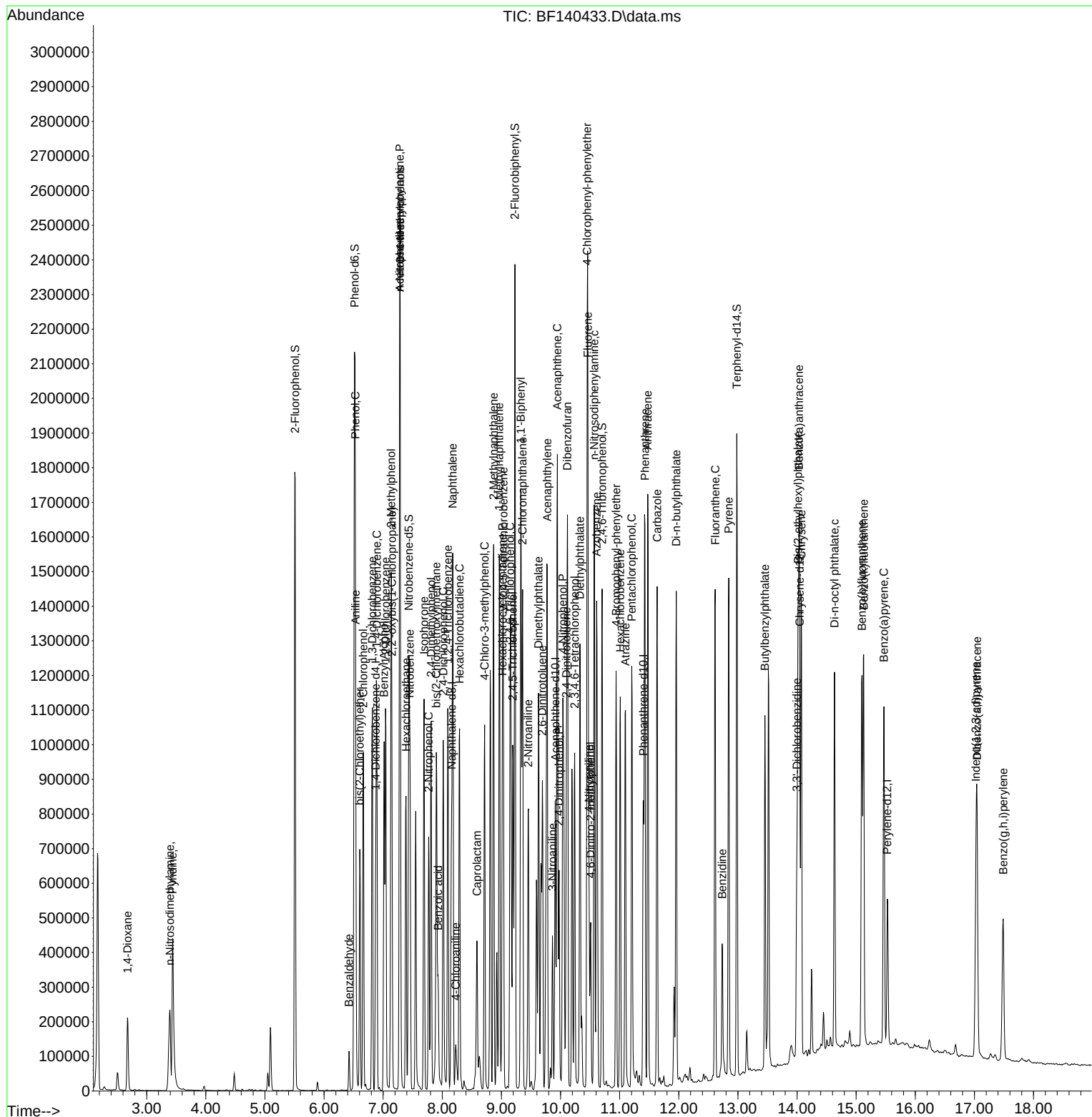
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111624\
Data File : BF140433.D
Acq On : 16 Nov 2024 16:42
Operator : RC/JU
Sample : P4821-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BP-F-24MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/19/2024
Supervised By :mohammad ahmed 11/19/2024

Quant Time: Nov 18 00:08:11 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



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

Manual Integration Report

Sequence:

BF111624

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140417.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:07 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4821-01MS	BF140432.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:17 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4821-01MS	BF140432.D	Caprolactam	yogesh	11/19/2024 3:19:17 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4821-01MSD	BF140433.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:19:19 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software
P4821-01MSD	BF140433.D	Caprolactam	yogesh	11/19/2024 3:19:19 AM	mohammad	11/19/2024 3:30:32 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

bf111824

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140443.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:35 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164940BS	BF140449.D	Acenaphthene	yogesh	11/19/2024 3:20:41 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
PB164940BS	BF140449.D	Caprolactam	yogesh	11/19/2024 3:20:41 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software
SSTDCCC040	BF140456.D	2,4-Dimethylphenol	yogesh	11/19/2024 3:20:45 AM	mohammad	11/19/2024 3:30:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	BF112024	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140488.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:49:58 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140488.D	Acenaphthene	yogesh	11/22/2024 3:49:58 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140499.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:50:27 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
SSTDCCC040	BF140501.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:50:29 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4822-10	BF140514.D	Benzo(b)fluoranthene	yogesh	11/22/2024 3:50:38 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4822-12	BF140515.D	Benzo(b)fluoranthene	yogesh	11/22/2024 3:50:40 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4822-06	BF140516.D	Benzo(b)fluoranthene	yogesh	11/22/2024 3:50:41 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4822-08	BF140517.D	Benzo(b)fluoranthene	yogesh	11/22/2024 3:50:43 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software
P4822-08	BF140517.D	Benzo(k)fluoranthene	yogesh	11/22/2024 3:50:43 AM	mohammad	11/22/2024 4:00:42 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BF112124

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BF112224

Instrument

BNA_f

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

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	SP6681	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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	BF140416.D	16 Nov 2024 09:08	RC/JU	Ok
2	SSTDCCC040	BF140417.D	16 Nov 2024 09:34	RC/JU	Ok,M
3	PB164993BL	BF140418.D	16 Nov 2024 10:02	RC/JU	Ok
4	PB164993BS	BF140419.D	16 Nov 2024 10:28	RC/JU	Ok,M
5	P4821-04	BF140420.D	16 Nov 2024 11:01	RC/JU	ReRun
6	P4821-08	BF140421.D	16 Nov 2024 11:27	RC/JU	Ok
7	P4823-04	BF140422.D	16 Nov 2024 11:53	RC/JU	Ok
8	P4833-04	BF140423.D	16 Nov 2024 12:19	RC/JU	Ok
9	P4833-08	BF140424.D	16 Nov 2024 12:46	RC/JU	Ok
10	P4824-01	BF140425.D	16 Nov 2024 13:12	RC/JU	Ok
11	P4821-05	BF140426.D	16 Nov 2024 13:38	RC/JU	Ok
12	P4833-01	BF140427.D	16 Nov 2024 14:04	RC/JU	Ok
13	P4833-01MS	BF140428.D	16 Nov 2024 14:31	RC/JU	Ok,M
14	P4833-01MSD	BF140429.D	16 Nov 2024 14:57	RC/JU	Ok,M
15	P4848-01	BF140430.D	16 Nov 2024 15:23	RC/JU	Ok,M
16	P4821-01	BF140431.D	16 Nov 2024 15:49	RC/JU	Ok
17	P4821-01MS	BF140432.D	16 Nov 2024 16:16	RC/JU	Ok,M
18	P4821-01MSD	BF140433.D	16 Nov 2024 16:42	RC/JU	Ok,M
19	P4823-01	BF140434.D	16 Nov 2024 17:08	RC/JU	Ok,M
20	P4768-02	BF140435.D	16 Nov 2024 17:34	RC/JU	Ok,M
21	P4833-05	BF140436.D	16 Nov 2024 18:00	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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	P4849-01	BF140437.D	16 Nov 2024 18:27	RC/JU	ReRun
23	P4768-04	BF140438.D	16 Nov 2024 18:53	RC/JU	Ok
24	P4768-03	BF140439.D	16 Nov 2024 19:19	RC/JU	ReRun
25	P4859-01	BF140440.D	16 Nov 2024 19:45	RC/JU	ReRun
26	P4857-01	BF140441.D	16 Nov 2024 20:11	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QCBatch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM
SubDirectory	BF111824	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	BF140442.D	18 Nov 2024 09:18	RC/JU	Ok
2	SSTDCCC040	BF140443.D	18 Nov 2024 10:13	RC/JU	Ok,M
3	PB165029BL	BF140444.D	18 Nov 2024 10:39	RC/JU	Ok
4	PB165029BS	BF140445.D	18 Nov 2024 11:05	RC/JU	Ok,M
5	PB164846BS	BF140446.D	18 Nov 2024 11:32	RC/JU	Ok,M
6	PB164846BSD	BF140447.D	18 Nov 2024 11:58	RC/JU	Ok,M
7	PB164940BL	BF140448.D	18 Nov 2024 12:24	RC/JU	Ok
8	PB164940BS	BF140449.D	18 Nov 2024 12:50	RC/JU	Ok,M
9	PB164965BL	BF140450.D	18 Nov 2024 13:16	RC/JU	Ok
10	PB164965BS	BF140451.D	18 Nov 2024 13:43	RC/JU	Ok,M
11	PB164969BS	BF140452.D	18 Nov 2024 14:19	RC/JU	Ok,M
12	PB164969BL	BF140453.D	18 Nov 2024 14:45	RC/JU	Ok
13	PB164880TB	BF140454.D	18 Nov 2024 15:11	RC/JU	Ok
14	DFTPP	BF140455.D	18 Nov 2024 15:48	RC/JU	Ok
15	SSTDCCC040	BF140456.D	18 Nov 2024 16:14	RC/JU	Ok,M
16	PB164944TB	BF140457.D	18 Nov 2024 16:40	RC/JU	Ok
17	P4821-04RE	BF140458.D	18 Nov 2024 17:13	RC/JU	Confirms
18	P4861-01	BF140459.D	18 Nov 2024 17:40	RC/JU	Ok
19	P4871-01	BF140460.D	18 Nov 2024 18:06	RC/JU	Ok
20	P4848-02	BF140461.D	18 Nov 2024 18:32	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM
SubDirectory	BF112024	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	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140487.D	20 Nov 2024 09:04	RC/JU	Ok
2	SSTDCCC040	BF140488.D	20 Nov 2024 09:31	RC/JU	Ok,M
3	PB165039BL	BF140489.D	20 Nov 2024 09:57	RC/JU	Ok
4	PB165039BS	BF140490.D	20 Nov 2024 10:23	RC/JU	Ok,M
5	PB165039BSD	BF140491.D	20 Nov 2024 10:49	RC/JU	Ok,M
6	P4843-01	BF140492.D	20 Nov 2024 11:23	RC/JU	Ok,M
7	P4868-01	BF140493.D	20 Nov 2024 11:49	RC/JU	Ok
8	P4868-03	BF140494.D	20 Nov 2024 12:15	RC/JU	ReRun
9	P4892-02	BF140495.D	20 Nov 2024 12:42	RC/JU	Ok
10	P4892-02MS	BF140496.D	20 Nov 2024 13:08	RC/JU	Ok,M
11	P4892-02MSD	BF140497.D	20 Nov 2024 13:35	RC/JU	Ok,M
12	P4868-03RE	BF140498.D	20 Nov 2024 14:01	RC/JU	Confirms
13	SSTDCCC040	BF140499.D	20 Nov 2024 14:34	RC/JU	Ok,M
14	DFTPP	BF140500.D	20 Nov 2024 15:33	RC/JU	Ok
15	SSTDCCC040	BF140501.D	20 Nov 2024 15:59	RC/JU	Ok,M
16	PB165086BL	BF140502.D	20 Nov 2024 16:25	RC/JU	Ok
17	P4849-02	BF140503.D	20 Nov 2024 16:58	RC/JU	Ok
18	P4870-07	BF140504.D	20 Nov 2024 17:24	RC/JU	Ok
19	P4910-01	BF140505.D	20 Nov 2024 17:51	RC/JU	Ok
20	P4893-01	BF140506.D	20 Nov 2024 18:17	RC/JU	Ok
21	P4893-05	BF140507.D	20 Nov 2024 18:43	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM
SubDirectory	BF112024	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	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4768-05	BF140508.D	20 Nov 2024 19:09	RC/JU	Ok
23	P4870-10	BF140509.D	20 Nov 2024 19:35	RC/JU	Ok
24	P4892-01	BF140510.D	20 Nov 2024 20:02	RC/JU	Ok,M
25	P4909-01	BF140511.D	20 Nov 2024 20:28	RC/JU	Ok,M
26	P4910-05	BF140512.D	20 Nov 2024 20:54	RC/JU	Ok,M
27	P4889-05DL	BF140513.D	20 Nov 2024 21:21	RC/JU	Ok,M
28	P4822-10	BF140514.D	20 Nov 2024 21:47	RC/JU	Ok,M
29	P4822-12	BF140515.D	20 Nov 2024 22:13	RC/JU	Ok,M
30	P4822-06	BF140516.D	20 Nov 2024 22:40	RC/JU	Ok,M
31	P4822-08	BF140517.D	20 Nov 2024 23:06	RC/JU	Ok,M
32	P4822-02	BF140518.D	20 Nov 2024 23:32	RC/JU	ReRun
33	P4822-04	BF140519.D	20 Nov 2024 23:58	RC/JU	ReRun
34	P4887-05	BF140520.D	21 Nov 2024 00:24	RC/JU	ReRun
35	P4860-02	BF140521.D	21 Nov 2024 00:51	RC/JU	ReRun
36	P4860-03	BF140522.D	21 Nov 2024 01:17	RC/JU	ReRun
37	P4860-07	BF140523.D	21 Nov 2024 01:43	RC/JU	ReRun
38	P4916-01	BF140524.D	21 Nov 2024 02:09	RC/JU	ReRun
39	P4916-05	BF140525.D	21 Nov 2024 02:35	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124
STD. NAME	STD REF.#		
Tune/Reschk	SP6573		
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621		
CCC	SP6624		
Internal Standard/PEM	S12329,10ul/1000ul sample		
ICV/I.BLK	SP6559		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,NR
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,NR
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,NR
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112224

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621				
CCC	SP6624				
Internal Standard/PEM	S12329,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140563.D	22 Nov 2024 08:54	RC/JU	Ok
2	SSTDCCC040	BF140564.D	22 Nov 2024 09:20	RC/JU	Ok
3	PB165129BL	BF140565.D	22 Nov 2024 09:46	RC/JU	Ok
4	PB165129BS	BF140566.D	22 Nov 2024 10:12	RC/JU	Ok,NR
5	P4910-08	BF140567.D	22 Nov 2024 10:44	RC/JU	Ok
6	P4910-04	BF140568.D	22 Nov 2024 11:10	RC/JU	Ok
7	P4893-08	BF140569.D	22 Nov 2024 11:36	RC/JU	Ok
8	P4893-04	BF140570.D	22 Nov 2024 12:02	RC/JU	Ok
9	P4925-08	BF140571.D	22 Nov 2024 12:28	RC/JU	Ok
10	P4925-04	BF140572.D	22 Nov 2024 12:55	RC/JU	Ok
11	P4923-06	BF140573.D	22 Nov 2024 13:21	RC/JU	Ok
12	P4925-01	BF140574.D	22 Nov 2024 13:47	RC/JU	Ok
13	P4938-01	BF140575.D	22 Nov 2024 14:13	RC/JU	Ok
14	P4938-01MS	BF140576.D	22 Nov 2024 14:40	RC/JU	Ok,NR
15	P4938-01MSD	BF140577.D	22 Nov 2024 15:06	RC/JU	Ok,NR
16	P4860-08	BF140578.D	22 Nov 2024 15:32	RC/JU	Ok
17	P4860-05	BF140579.D	22 Nov 2024 15:58	RC/JU	Ok
18	P4924-01	BF140580.D	22 Nov 2024 16:24	RC/JU	Ok
19	P4948-01	BF140581.D	22 Nov 2024 16:50	RC/JU	Ok,NR
20	P4949-03	BF140582.D	22 Nov 2024 17:16	RC/JU	ReRun
21	P4948-03	BF140583.D	22 Nov 2024 17:43	RC/JU	ReRun

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF112224

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112224	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME	STD REF.#				
Tune/Reschk	SP6573				
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621				
CCC	SP6624				
Internal Standard/PEM	S12329,10ul/1000ul sample				
ICV/I.BLK	SP6559				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	P4822-04	BF140584.D	22 Nov 2024 18:09	RC/JU	Ok
23	P4822-02	BF140585.D	22 Nov 2024 18:35	RC/JU	Ok,NR
24	P4925-05	BF140586.D	22 Nov 2024 19:01	RC/JU	Ok
25	P4938-05	BF140587.D	22 Nov 2024 19:27	RC/JU	Ok
26	P4860-02	BF140588.D	22 Nov 2024 19:53	RC/JU	Ok

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	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM
SubDirectory	BF111624	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	BF140416.D	16 Nov 2024 09:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140417.D	16 Nov 2024 09:34		RC/JU	Ok,M
3	PB164993BL	PB164993BL	BF140418.D	16 Nov 2024 10:02		RC/JU	Ok
4	PB164993BS	PB164993BS	BF140419.D	16 Nov 2024 10:28		RC/JU	Ok,M
5	P4821-04	BP-F-24	BF140420.D	16 Nov 2024 11:01	Internal Standard and Surrogate Fail	RC/JU	ReRun
6	P4821-08	BP-F-2	BF140421.D	16 Nov 2024 11:27		RC/JU	Ok
7	P4823-04	MH-4	BF140422.D	16 Nov 2024 11:53		RC/JU	Ok
8	P4833-04	MH-731	BF140423.D	16 Nov 2024 12:19		RC/JU	Ok
9	P4833-08	TP-2	BF140424.D	16 Nov 2024 12:46		RC/JU	Ok
10	P4824-01	T-20	BF140425.D	16 Nov 2024 13:12	Internal standard fail - hydrocarbons	RC/JU	Ok
11	P4821-05	BP-F-2	BF140426.D	16 Nov 2024 13:38		RC/JU	Ok
12	P4833-01	MH-731	BF140427.D	16 Nov 2024 14:04		RC/JU	Ok
13	P4833-01MS	MH-731MS	BF140428.D	16 Nov 2024 14:31		RC/JU	Ok,M
14	P4833-01MSD	MH-731MSD	BF140429.D	16 Nov 2024 14:57		RC/JU	Ok,M
15	P4848-01	TP-1	BF140430.D	16 Nov 2024 15:23		RC/JU	Ok,M
16	P4821-01	BP-F-24	BF140431.D	16 Nov 2024 15:49		RC/JU	Ok
17	P4821-01MS	BP-F-24MS	BF140432.D	16 Nov 2024 16:16		RC/JU	Ok,M

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111624

Review By	yogesh	Review On	11/19/2024 3:19:51 AM		
Supervise By	mohammad	Supervise On	11/19/2024 3:30:32 AM		
SubDirectory	BF111624	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	P4821-01MSD	BP-F-24MSD	BF140433.D	16 Nov 2024 16:42		RC/JU	Ok,M
19	P4823-01	MH-4	BF140434.D	16 Nov 2024 17:08		RC/JU	Ok,M
20	P4768-02	B-3-2	BF140435.D	16 Nov 2024 17:34		RC/JU	Ok,M
21	P4833-05	TP-2	BF140436.D	16 Nov 2024 18:00		RC/JU	Ok
22	P4849-01	RR-1	BF140437.D	16 Nov 2024 18:27	Internal Standard Fail	RC/JU	ReRun
23	P4768-04	B-4	BF140438.D	16 Nov 2024 18:53		RC/JU	Ok
24	P4768-03	B-3-3	BF140439.D	16 Nov 2024 19:19	Internal Standard Fail	RC/JU	ReRun
25	P4859-01	NB-08-111424	BF140440.D	16 Nov 2024 19:45	Internal Standard Fail	RC/JU	ReRun
26	P4857-01	ETGI-328	BF140441.D	16 Nov 2024 20:11	Internal standard fail - hydrocarbons and oily matrix	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM
SubDirectory	BF111824	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	BF140442.D	18 Nov 2024 09:18		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140443.D	18 Nov 2024 10:13		RC/JU	Ok,M
3	PB165029BL	PB165029BL	BF140444.D	18 Nov 2024 10:39		RC/JU	Ok
4	PB165029BS	PB165029BS	BF140445.D	18 Nov 2024 11:05		RC/JU	Ok,M
5	PB164846BS	PB164846BS	BF140446.D	18 Nov 2024 11:32		RC/JU	Ok,M
6	PB164846BSD	PB164846BSD	BF140447.D	18 Nov 2024 11:58		RC/JU	Ok,M
7	PB164940BL	PB164940BL	BF140448.D	18 Nov 2024 12:24		RC/JU	Ok
8	PB164940BS	PB164940BS	BF140449.D	18 Nov 2024 12:50		RC/JU	Ok,M
9	PB164965BL	PB164965BL	BF140450.D	18 Nov 2024 13:16		RC/JU	Ok
10	PB164965BS	PB164965BS	BF140451.D	18 Nov 2024 13:43		RC/JU	Ok,M
11	PB164969BS	PB164969BS	BF140452.D	18 Nov 2024 14:19		RC/JU	Ok,M
12	PB164969BL	PB164969BL	BF140453.D	18 Nov 2024 14:45		RC/JU	Ok
13	PB164880TB	PB164880TB	BF140454.D	18 Nov 2024 15:11		RC/JU	Ok
14	DFTPP	DFTPP	BF140455.D	18 Nov 2024 15:48		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140456.D	18 Nov 2024 16:14		RC/JU	Ok,M
16	PB164944TB	PB164944TB	BF140457.D	18 Nov 2024 16:40		RC/JU	Ok
17	P4821-04RE	BP-F-24RE	BF140458.D	18 Nov 2024 17:13	Surrogate Fail	RC/JU	Confirms
18	P4861-01	WC-11-A-202411	BF140459.D	18 Nov 2024 17:40		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF111824

Review By	yogesh	Review On	11/19/2024 3:20:55 AM
Supervise By	mohammad	Supervise On	11/19/2024 3:30:54 AM
SubDirectory	BF111824	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	P4871-01	WC-10-A-202411	BF140460.D	18 Nov 2024 18:06		RC/JU	Ok
20	P4848-02	TP-1	BF140461.D	18 Nov 2024 18:32		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM
SubDirectory	BF112024	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	S12329,10ul/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	BF140487.D	20 Nov 2024 09:04		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140488.D	20 Nov 2024 09:31		RC/JU	Ok,M
3	PB165039BL	PB165039BL	BF140489.D	20 Nov 2024 09:57		RC/JU	Ok
4	PB165039BS	PB165039BS	BF140490.D	20 Nov 2024 10:23		RC/JU	Ok,M
5	PB165039BSD	PB165039BSD	BF140491.D	20 Nov 2024 10:49		RC/JU	Ok,M
6	P4843-01	SW-WTS-01	BF140492.D	20 Nov 2024 11:23		RC/JU	Ok,M
7	P4868-01	RW5-SP100-20241114	BF140493.D	20 Nov 2024 11:49		RC/JU	Ok
8	P4868-03	RW5-SP303-20241114	BF140494.D	20 Nov 2024 12:15	Internal Standard Fail	RC/JU	ReRun
9	P4892-02	WB-310-BOT	BF140495.D	20 Nov 2024 12:42		RC/JU	Ok
10	P4892-02MS	WB-310-BOTMS	BF140496.D	20 Nov 2024 13:08		RC/JU	Ok,M
11	P4892-02MSD	WB-310-BOTMSD	BF140497.D	20 Nov 2024 13:35		RC/JU	Ok,M
12	P4868-03RE	RW5-SP303-20241114	BF140498.D	20 Nov 2024 14:01	Internal Standard Fail	RC/JU	Confirms
13	SSTDCCC040	SSTDCCC040EC	BF140499.D	20 Nov 2024 14:34		RC/JU	Ok,M
14	DFTPP	DFTPP	BF140500.D	20 Nov 2024 15:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140501.D	20 Nov 2024 15:59		RC/JU	Ok,M
16	PB165086BL	PB165086BL	BF140502.D	20 Nov 2024 16:25		RC/JU	Ok
17	P4849-02	RR-1	BF140503.D	20 Nov 2024 16:58		RC/JU	Ok
18	P4870-07	MH-736	BF140504.D	20 Nov 2024 17:24		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM		
SubDirectory	BF112024	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		S12329,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	P4910-01	MH-COTTAGE	BF140505.D	20 Nov 2024 17:51		RC/JU	Ok
20	P4893-01	MH-763	BF140506.D	20 Nov 2024 18:17		RC/JU	Ok
21	P4893-05	MH-762	BF140507.D	20 Nov 2024 18:43		RC/JU	Ok
22	P4768-05	B-5	BF140508.D	20 Nov 2024 19:09	Internal Standard Fail	RC/JU	Ok
23	P4870-10	TP-15	BF140509.D	20 Nov 2024 19:35		RC/JU	Ok
24	P4892-01	WB-310-TOP	BF140510.D	20 Nov 2024 20:02		RC/JU	Ok,M
25	P4909-01	BU-02-111824	BF140511.D	20 Nov 2024 20:28		RC/JU	Ok,M
26	P4910-05	MH-759	BF140512.D	20 Nov 2024 20:54	Internal Standard Fail	RC/JU	Ok,M
27	P4889-05DL	#72-11930DL	BF140513.D	20 Nov 2024 21:21	Internal Standard Fail	RC/JU	Ok,M
28	P4822-10	SOIL-5	BF140514.D	20 Nov 2024 21:47		RC/JU	Ok,M
29	P4822-12	SOIL-6	BF140515.D	20 Nov 2024 22:13		RC/JU	Ok,M
30	P4822-06	SOIL-3	BF140516.D	20 Nov 2024 22:40		RC/JU	Ok,M
31	P4822-08	SOIL-4	BF140517.D	20 Nov 2024 23:06		RC/JU	Ok,M
32	P4822-02	SOIL-1	BF140518.D	20 Nov 2024 23:32	Internal Standard Fail	RC/JU	ReRun
33	P4822-04	SOIL-2	BF140519.D	20 Nov 2024 23:58	Internal Standard Fail	RC/JU	ReRun
34	P4887-05	MH-760	BF140520.D	21 Nov 2024 00:24	Internal Standard Fail	RC/JU	ReRun
35	P4860-02	PH2-BOT-001	BF140521.D	21 Nov 2024 00:51	Internal Standard Fail	RC/JU	ReRun
36	P4860-03	PH2-BOT-002	BF140522.D	21 Nov 2024 01:17	Internal Standard Fail	RC/JU	ReRun
37	P4860-07	PH2-BOT-008	BF140523.D	21 Nov 2024 01:43	Internal Standard Fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112024

Review By	yogesh	Review On	11/22/2024 3:51:12 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:00:42 AM		
SubDirectory	BF112024	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	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4916-01	TP-1-WC	BF140524.D	21 Nov 2024 02:09	Internal Standard Fail	RC/JU	ReRun
39	P4916-05	TP-2-WC	BF140525.D	21 Nov 2024 02:35	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/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	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124
STD. NAME		STD REF.#			
Tune/Reschk		SP6573			
Initial Calibration Stds		SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621			
CCC		SP6624			
Internal Standard/PEM		S12329,10ul/1000ul sample			
ICV/I.BLK		SP6559			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,NR
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,NR
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM
SubDirectory	BF112124	HP Acquire Method	BNA_F
		HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,NR
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112224

Review By	Review On
Supervise By	Supervise On
SubDirectory	BF112224
HP Acquire Method	BNA_F
HP Processing Method	bf112124
STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/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	BF140563.D	22 Nov 2024 08:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140564.D	22 Nov 2024 09:20		RC/JU	Ok
3	PB165129BL	PB165129BL	BF140565.D	22 Nov 2024 09:46		RC/JU	Ok
4	PB165129BS	PB165129BS	BF140566.D	22 Nov 2024 10:12		RC/JU	Ok,NR
5	P4910-08	MH-759	BF140567.D	22 Nov 2024 10:44		RC/JU	Ok
6	P4910-04	MH-COTTAGE	BF140568.D	22 Nov 2024 11:10		RC/JU	Ok
7	P4893-08	MH-762	BF140569.D	22 Nov 2024 11:36		RC/JU	Ok
8	P4893-04	MH-763	BF140570.D	22 Nov 2024 12:02		RC/JU	Ok
9	P4925-08	MH-741	BF140571.D	22 Nov 2024 12:28		RC/JU	Ok
10	P4925-04	MH-741	BF140572.D	22 Nov 2024 12:55		RC/JU	Ok
11	P4923-06	72-11991	BF140573.D	22 Nov 2024 13:21		RC/JU	Ok
12	P4925-01	MH-741	BF140574.D	22 Nov 2024 13:47		RC/JU	Ok
13	P4938-01	MH-732	BF140575.D	22 Nov 2024 14:13		RC/JU	Ok
14	P4938-01MS	MH-732MS	BF140576.D	22 Nov 2024 14:40		RC/JU	Ok,NR
15	P4938-01MSD	MH-732MSD	BF140577.D	22 Nov 2024 15:06		RC/JU	Ok,NR
16	P4860-08	PH2-BOT-007	BF140578.D	22 Nov 2024 15:32		RC/JU	Ok
17	P4860-05	PH2-BOT-004	BF140579.D	22 Nov 2024 15:58		RC/JU	Ok
18	P4924-01	MH-4	BF140580.D	22 Nov 2024 16:24		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF112224

Review By	Review On
Supervise By	Supervise On
SubDirectory	BF112224
HP Acquire Method	BNA_F
HP Processing Method	bf112124
STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4948-01	337	BF140581.D	22 Nov 2024 16:50		RC/JU	Ok,NR
20	P4949-03	CONTAINMENT-STON	BF140582.D	22 Nov 2024 17:16	Internal Standard Fail	RC/JU	ReRun
21	P4948-03	72-11944	BF140583.D	22 Nov 2024 17:43	Internal Standard Fail	RC/JU	ReRun
22	P4822-04	SOIL-2	BF140584.D	22 Nov 2024 18:09		RC/JU	Ok
23	P4822-02	SOIL-1	BF140585.D	22 Nov 2024 18:35		RC/JU	Ok,NR
24	P4925-05	MH-758	BF140586.D	22 Nov 2024 19:01	Typo corrected from P4925-04 to P4925-05,Please confirm	RC/JU	Ok
25	P4938-05	MH-734	BF140587.D	22 Nov 2024 19:27		RC/JU	Ok
26	P4860-02	PH2-BOT-001	BF140588.D	22 Nov 2024 19:53		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4810-01	WASTE	1	1.15	8.80	9.95	8.23	80.5	
P4810-02	VOC	2	1.15	8.82	9.97	8.65	85.0	
P4810-03	1	3	1.15	8.43	9.58	7.84	79.4	
P4810-04	2	4	1.16	8.80	9.96	8.41	82.4	
P4810-05	3	5	1.16	8.51	9.67	8.17	82.4	
P4810-06	4	6	1.15	8.82	9.97	8.46	82.9	
P4810-07	5	7	1.16	8.45	9.61	8.2	83.3	
P4820-01	CO-SIAC-20	8	1.18	8.42	9.6	9.41	97.7	
P4821-01	BP-F-24	9	1.19	8.57	9.76	8.77	88.4	
P4821-02	BP-F-24-EPH	10	1.15	8.52	9.67	8.62	87.7	
P4821-03	BP-F-24-VOC	11	1.12	8.76	9.88	8.83	88.0	
P4821-05	BP-F-2	12	1.16	8.51	9.67	8.7	88.6	
P4821-06	BP-F-2-EPH	13	1.15	8.81	9.96	9.28	92.3	
P4821-07	BP-F-2-VOC	14	1.12	8.75	9.87	8.77	87.4	
P4822-01	SOIL-1	18	1.16	8.48	9.64	9.14	94.1	
P4822-02	SOIL-1	19	1.15	8.50	9.65	9.00	92.4	
P4822-03	SOIL-2	20	1.18	8.57	9.75	9.05	91.8	
P4822-04	SOIL-2	21	1.15	8.74	9.89	8.99	89.7	
P4822-05	SOIL-3	22	1.13	8.39	9.52	8.89	92.5	
P4822-06	SOIL-3	23	1.16	8.69	9.85	9.1	91.4	
P4822-07	SOIL-4	24	1.17	8.50	9.67	9.12	93.5	
P4822-08	SOIL-4	25	1.14	8.62	9.76	9.15	92.9	
P4822-09	SOIL-5	26	1.11	8.77	9.88	8.91	88.9	
P4822-10	SOIL-5	27	1.16	8.63	9.79	9.06	91.5	
P4822-11	SOIL-6	28	1.17	8.60	9.77	8.71	87.7	
P4822-12	SOIL-6	29	1.13	8.70	9.83	9.07	91.3	
P4823-01	MH-4	15	1.15	8.64	9.79	8.86	89.2	
P4823-02	MH-4-EPH	16	1.17	8.54	9.71	8.88	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/13/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:45
In Date: 11/12/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 11/13/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB133408

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
P4823-03	MH-4-VOC	17	1.17	8.58	9.75	8.72	88.0	

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

WORKLIST(Hardcopy Internal Chain)

JB133408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4810-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4810-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4820-01	CO-SIAC-20	Solid	Percent Solids	Cool 4 deg C	SCIA01	L11	11/11/2024	Chemtech -SO
P4821-01	BP-F-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4821-02	BP-F-24-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-03	BP-F-24-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-05	BP-F-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-06	BP-F-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4821-07	BP-F-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/12/2024	Chemtech -SO
P4822-01	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-02	SOIL-1	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-03	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-04	SOIL-2	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-05	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-06	SOIL-3	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-07	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

Date/Time 11-12-24

Raw Sample Received by: JB WLC

Raw Sample Relinquished by: JB WLC

WORKLIST(Hardcopy Internal Chain)

1333408

WorkList Name : %1-111224

WorkList ID : 185348

Department : Wet-Chemistry

Date : 11-12-2024 08:02:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4822-08	SOIL-4	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-09	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-10	SOIL-5	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-11	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4822-12	SOIL-6	Solid	Percent Solids	Cool 4 deg C	BAPS03	L21	11/12/2024	Chemtech -SO
P4823-01	MH-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-02	MH-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO
P4823-03	MH-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/12/2024	Chemtech -SO

Date/Time 11-12-24 15:35
 Raw Sample Received by: SS WOL
 Raw Sample Relinquished by: BS CETA- (CCH)

Date/Time 11-12-24 17:00
 Raw Sample Received by: BS CETA- (CCH)
 Raw Sample Relinquished by: SS WOL

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 11/13/2024

Extraction Start Time : 09:15

Extraction End Date : 11/13/2024

Extraction End Time : 12:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Separatory Funnel ☐ Continious 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	EP2557
Sand	N/A	E2865
Methylene Chloride	N/A	E3828
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/13/24	RP (EPA Lab)	AC/SVOC
12:30	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/13/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164940BL	SBLK940	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB164940BS	SLCS940	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
P4821-01	BP-F-24	SVOC-TCL BNA -20	50.10	N/A	ritesh	Evelyn	1	D		3
P4821-01MS	BP-F-24MS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		4
P4821-01MS D	BP-F-24MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		5
P4821-05	BP-F-2	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		6
P4822-02	SOIL-1	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		U5-1
P4822-04	SOIL-2	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		2
P4822-06	SOIL-3	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	D		3
P4822-08	SOIL-4	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		4
P4822-10	SOIL-5	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	D		5
P4822-12	SOIL-6	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		6
P4823-01	MH-4	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	D		U6-1

* Extracts relinquished on the same date as received.


11/13/24

2025-11-13

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4823 WorkList ID : 185385 Department : Extraction Date : 11-13-2024 08:30:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4821-01	BP-F-24	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/12/2024	8270E
P4821-05	BP-F-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/12/2024	8270E
P4822-02	SOIL-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E
P4822-04	SOIL-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E
P4822-06	SOIL-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E
P4822-08	SOIL-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E
P4822-10	SOIL-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E
P4822-12	SOIL-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	BAPS03	L21	11/12/2024	8270E

Date/Time 11/13/24 9:10
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11/13/24
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. **P4822**
QUOTE NO.
COC Number **2040631**

CLIENT INFORMATION

COMPANY: **BAPS** REPORT TO BE SENT TO:
ADDRESS: **2000 Tonnelle Ave**
CITY **North Bergen** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **BAPS Tonnelle Ave**
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

VOC-TCL vol-10
EPH
TCL+30/TAL

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		E/P	E	E							
1.	Soil-1	soil		X	11-2-24	1112	5	X	X								
2.	Soil-1		X			1120	4				X						
3.	Soil-2			X		1134	5	X	X								
4.	Soil-2		X			1141	4				X						
5.	Soil-3			X		1151	5	X	X								
6.	Soil-3		X			1159	4				X						
7.	Soil-4			X		1210	5	X	X								
8.	Soil-4		X			1218	4				X						
9.	Soil-5			X		1230	5	X	X								
10.	Soil-5		X			1238	4				X						

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

RELINQUISHED BY SAMPLER: 1. JT	DATE/TIME: 11-12-24	RECEIVED BY: 1.	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3. JT	DATE/TIME: 11-12-24	RECEIVED BY: 3.	Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling
Shipment Complete
☐ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.

QUOTE NO.

COC Number 2040632

P4822

CLIENT INFORMATION

COMPANY: BAPS REPORT TO BE SENT TO:
ADDRESS: 2000 Tonnelle Ave
CITY North Bergen STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1 VOC-TCL VOA-10
2 EPH
3 TCL T30/TAL
4
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	Soil-6	Soil		X	11/24	1245	5	X	X									
2.	Soil-6	I	X		11/24	1253	4			X								
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>IT</u>	DATE/TIME: <u>1310</u> <u>11.12.24</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.8</u> °C Comments:
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>IT</u>	DATE/TIME: <u>1420</u> <u>11.12.24</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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

Project Name: BAPS Tonnelle
Ave

Sampler Name: JT
Client Project Coordinator & Phone: Prush

Prish

Service Order #: _____
 Work Order #: _____
 Labor WBS #: _____

Facility/Site: _____

Site Address: 2000 Townelle

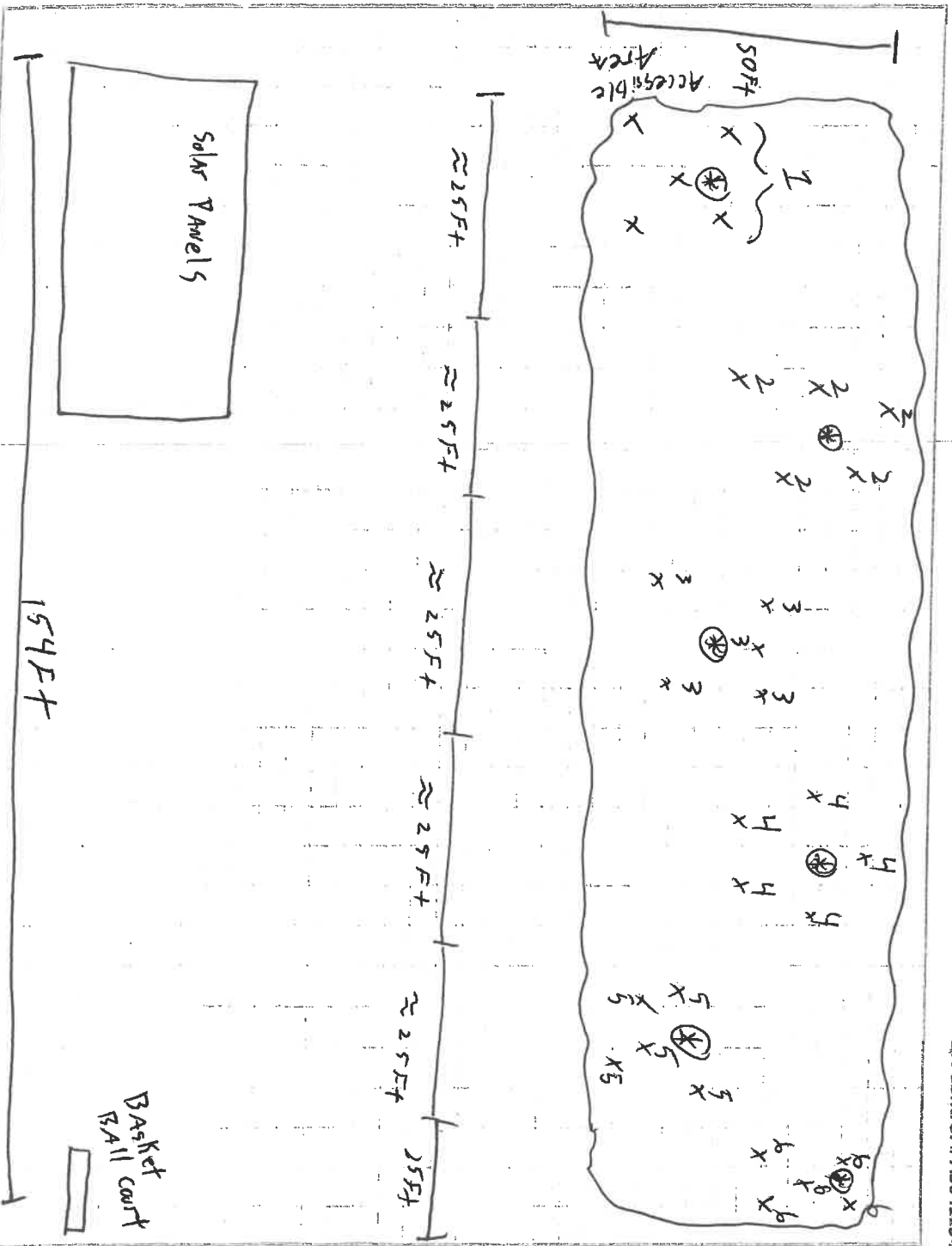
Ave, North Bergen NJ

Page #: 1 of 1
Date: 11.12.24
Arrive Time: 1030
Depart Time: 1310

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

Collection Depth: NA
 Temp (range): 3.8 °C PID Readings (range): 0.0 PPM Odor: Y / (N) Color: Y / (N)
 Sample Description: Sandy Rocky soil, woodchips present
 Field Observations: Large hill back of Parking Lot

QA Control # A3041134



Sample Signature: 

Supervisor Review/Date:

Client Signature: _____

Notes/Times Assigned - 31 - 11.



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 : P4822	BAPS03	Order Date : 11/12/2024 1:54:09 PM	Project Mgr :
Client Name : BAPS North Bergen		Project Name : BAPS North Bergen	Report Type : Level 1
Client Contact : Rakesh Patel		Receive DateTime : 11/12/2024 2:20:00 PM	EDD Type : EXCEL NJCLEANUP
Invoice Name : BAPS North Bergen		Purchase Order :	Hard Copy Date :
Invoice Contact : Rakesh Patel			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4822-01	SOIL-1	Solid	11/12/2024	11:12					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-03	SOIL-2	Solid	11/12/2024	11:34					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-05	SOIL-3	Solid	11/12/2024	11:51					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-07	SOIL-4	Solid	11/12/2024	12:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-09	SOIL-5	Solid	11/12/2024	12:30					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
P4822-11	SOIL-6	Solid	11/12/2024	12:45					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4822 BAPS03

Order Date : 11/12/2024 1:54:09 PM

Project Mgr :

Client Name : BAPS North Bergen

Project Name : BAPS North Bergen

Report Type : Level 1

Client Contact : Rakesh Patel

Receive DateTime : 11/12/2024 2:20:00 PM

EDD Type : EXCEL NJCLEANUP

Invoice Name : BAPS North Bergen

Purchase Order :

Hard Copy Date :

Invoice Contact : Rakesh Patel

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinquished By : IT

Date / Time : 11.12.24/1440

Received By : [Signature]

Date / Time : 11/12/24

Storage Area : VOA Refridgerator Room