CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Cover Page

Order ID : O5252

Project ID : 245 Greenwood Ave

Client : RMJ Environomics, Inc.

Lab Sample Number	Client Sample Number
O5252-01	WASTE
O5252-03	WASTE-VOC

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: 11/25/2023

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

RMJ Environomics, Inc.
Project Name: 245 Greenwood Ave
Project # N/A
Chemtech Project # O5252
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 11/03/2023.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, Paint Filter, PCB, Pesticide-TCL, SVOC-TCL BNA -20, TCL+30/TAL, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS and VOC-TCLVOA-10. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {O5257-05MS} with File ID: BF136162.D recoveries met the requirements for all compounds except for 3-Nitroaniline[60%], 4-Chloroaniline[24%] and Benzo(g,h,i)perylene[54%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also Atrazine[136%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {O5257-05MSD} with File ID: BF136163.D recoveries met the acceptable requirements except for 3-Nitroaniline[63%], 4-Chloroaniline[24%], and Benzo(g,h,i)perylene[60%] these compounds did not meet the NJDKQP criteria but met the in-house criteria also Atrazine[145%] this compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference

The RPD met criteria .

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The Blank Spike for {PB156921BS} with File ID: BF136178.D met requirements for all samples except for 4-Chloroaniline[59%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF103023.M) for 2,4-Dinitrophenol , 4,6-Dinitro-2-methylphenol, Benzo(g,h,i)perylene , these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BF110723.M) for 2,4-Dinitrophenol,4,6-Dinitro-2-methylphenol,these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (Method 8270-BM103023.M) for 2-Nitrophenol ,Hexachlorocyclopentadiene ,2-Nitroaniline, 3-Nitroaniline , 2,4-Dinitrophenol,4-Nitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, Dibenzo(a,h)anthracene, these compounds are passing on Linear Regression

The Continuous Calibration File ID BM042685.D met the requirements except for 4-Bromophenyl-phenylether, 4-Chlorophenyl-phenylether, Hexachlorobenzene, Hexachlorobutadiene, Hexachlorocyclopentadiene, n-Nitroso-di-n-propylamine, 2,4,6-Tribromophenol and Terphenyl-d14 but no positive hits in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.
Samples WASTE was diluted viscous and dirty matrix.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 8 points.

The soil samples results are based on a dry weight basis.

As per special requirement for this project form-1 are reported in mg/kg.

This data package has been revised as Unit Changed.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

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

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **O5252**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

1st Level QA Review Signature: **SOHIL JODHANI** **Date:** **11/25/2023**

2nd Level QA Review Signature: _____ **Date:** _____

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Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O5252	**OrderDate:**	11/3/2023 2:14:16 PM
Client:	RMJ Environomics, Inc.	**Project:**	245 Greenwood Ave
Contact:	Jonathan Pereira	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O5252-01	**WASTE**	**SOIL**			**11/03/23**			**11/03/23**
			SVOC-TCL BNA -20	8270E		11/06/23	11/10/23	

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Hit Summary Sheet
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : WASTE									
O5252-01	WASTE	SOIL	Bis(2-ethylhexyl)phthalate		0.690	J	0.63	0.94	mg/Kg
			Total Svoc :				**0.69**		
O5252-01	WASTE	SOIL	1,3-Benzenediamine, 2,4-dinitro-N	*	3,100.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	1,4-Benzenedicarboxylic acid, bis	*	810.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	7-Hydroxyquinoline, tert-butyldin	*	380.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Bifenthrin	*	21,900.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	n-Hexadecanoic acid	*	970.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Nonadecanoic acid	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	500.000	J	0	0	ug/Kg
O5252-01	WASTE	SOIL	Trifluralin	*	650.000	J	0	0	ug/Kg
			Total Tics :		**28,810.00**				
			Total Concentration:		**28,810.69**				

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QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
O5252-01	WASTE	2-Fluorophenol	150	86.3	58		30 (18)	130 (112)
		Phenol-d6	150	81.2	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.6	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	62.8	63		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	92.7	62		30 (10)	130 (110)
		Terphenyl-d14	100	63.8	64		30 (14)	130 (112)
O5257-05MS	WC-2MS	2-Fluorophenol	150	112	74		30 (18)	130 (112)
		Phenol-d6	150	111	74		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.1	86		30 (18)	130 (107)
		2-Fluorobiphenyl	100	84.6	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	117	78		30 (10)	130 (110)
		Terphenyl-d14	100	69.8	70		30 (14)	130 (112)
O5257-05MSD	WC-2MSD	2-Fluorophenol	150	120	80		30 (18)	130 (112)
		Phenol-d6	150	118	79		30 (15)	130 (107)
		Nitrobenzene-d5	100	90.3	90		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.4	90		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	127	85		30 (10)	130 (110)
		Terphenyl-d14	100	75.3	75		30 (14)	130 (112)
PB156921BL	PB156921BL	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	125	84		30 (15)	130 (107)
		Nitrobenzene-d5	100	86.6	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	85.1	85		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	131	87		30 (10)	130 (110)
		Terphenyl-d14	100	84.9	85		30 (14)	130 (112)
PB156921BS	PB156921BS	2-Fluorophenol	150	127	85		30 (18)	130 (112)
		Phenol-d6	150	124	83		30 (15)	130 (107)
		Nitrobenzene-d5	100	82.1	82		30 (18)	130 (107)
		2-Fluorobiphenyl	100	78.8	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	132	88		30 (10)	130 (110)
		Terphenyl-d14	100	84.2	84		30 (14)	130 (112)

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MS		**Client Sample ID: WC-2MS**						**DataFile: BF136162.D**			
Benzaldehyde	1100	0	330	ug/Kg	30				20 (26)	160 (163)	
Phenol	1100	0	1000	ug/Kg	91				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1100	0	1000	ug/Kg	91				70 (74)	130 (116)	
2-Chlorophenol	1100	0	1100	ug/Kg	100				70 (61)	130 (138)	
2-Methylphenol	1100	0	950	ug/Kg	86				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1100	0	970	ug/Kg	88				70 (52)	130 (115)	
Acetophenone	1100	0	1100	ug/Kg	100				70 (75)	130 (111)	
3+4-Methylphenols	1100	0	980	ug/Kg	89				20 (53)	160 (132)	
N-Nitroso-di-n-propylamine	1100	0	1000	ug/Kg	91				70 (59)	130 (119)	
Hexachloroethane	1100	0	1100	ug/Kg	100				20 (65)	160 (117)	
Nitrobenzene	1100	0	1100	ug/Kg	100				70 (70)	130 (119)	
Isophorone	1100	0	1100	ug/Kg	100				70 (76)	130 (122)	
2-Nitrophenol	1100	0	1200	ug/Kg	109				70 (54)	130 (145)	
2,4-Dimethylphenol	1100	0	960	ug/Kg	87				70 (83)	130 (144)	
bis(2-Chloroethoxy)methane	1100	0	1000	ug/Kg	91				70 (68)	130 (112)	
2,4-Dichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (118)	
Naphthalene	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
4-Chloroaniline	1100	0	260	ug/Kg	24	*			70 (10)	130 (100)	
Hexachlorobutadiene	1100	0	1200	ug/Kg	109				70 (66)	130 (114)	
Caprolactam	1100	0	1100	ug/Kg	100				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1100	0	1100	ug/Kg	100				70 (57)	130 (132)	
2-Methylnaphthalene	1100	0	1000	ug/Kg	91				70 (59)	130 (123)	
Hexachlorocyclopentadiene	2200	0	1400	ug/Kg	64				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1100	0	1100	ug/Kg	100				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1100	0	1000	ug/Kg	91				70 (72)	130 (117)	
1,1-Biphenyl	1100	0	1100	ug/Kg	100				70 (75)	130 (113)	
2-Chloronaphthalene	1100	0	1100	ug/Kg	100				70 (67)	130 (118)	
2-Nitroaniline	1100	0	1100	ug/Kg	100				70 (69)	130 (127)	
Dimethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (113)	
Acenaphthylene	1100	0	1100	ug/Kg	100				70 (79)	130 (118)	
2,6-Dinitrotoluene	1100	0	1100	ug/Kg	100				70 (70)	130 (125)	
3-Nitroaniline	1100	0	660	ug/Kg	60	*			70 (20)	130 (111)	
Acenaphthene	1100	0	1000	ug/Kg	91				70 (70)	130 (121)	
2,4-Dinitrophenol	2200	0	1500	ug/Kg	68				20 (16)	160 (160)	
4-Nitrophenol	2200	0	2000	ug/Kg	91				20 (45)	160 (133)	
Dibenzofuran	1100	0	1100	ug/Kg	100				70 (72)	130 (110)	
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109				70 (55)	130 (128)	
Diethylphthalate	1100	0	1100	ug/Kg	100				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1100	0	1100	ug/Kg	100				70 (71)	130 (108)	
Fluorene	1100	0	1100	ug/Kg	100				70 (68)	130 (116)	
4-Nitroaniline	1100	0	920	ug/Kg	84				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1100	0	890	ug/Kg	81				70 (32)	130 (145)	
N-Nitrosodiphenylamine	1100	0	1200	ug/Kg	109				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1100	0	1200	ug/Kg	109				70 (65)	130 (121)	
Hexachlorobenzene	1100	0	1200	ug/Kg	109				70 (67)	130 (118)	
Atrazine	1100	0	1500	ug/Kg	136	*			70 (79)	130 (127)	
Pentachlorophenol	2200	0	2000	ug/Kg	91				20 (47)	160 (128)	

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103				70 (72)	130 (113)	
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	1200	ug/Kg	109				70 (69)	130 (118)	
Fluoranthene	1100	120	1100	ug/Kg	89				70 (59)	130 (125)	
Pyrene	1100	110	990	ug/Kg	80				70 (52)	130 (128)	
Butylbenzylphthalate	1100	0	1000	ug/Kg	91				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1100	0	1000	ug/Kg	91				70 (10)	130 (164)	
Benzo(a)anthracene	1100	67.6	1100	ug/Kg	94				70 (71)	130 (114)	
Chrysene	1100	69.7	1100	ug/Kg	94				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1100	0	1100	ug/Kg	100				70 (66)	130 (127)	
Di-n-octyl phthalate	1100	0	1300	ug/Kg	118				70 (71)	130 (126)	
Benzo(b)fluoranthene	1100	100	1300	ug/Kg	109				70 (67)	130 (121)	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				70 (74)	130 (114)	
Benzo(a)pyrene	1100	70.4	1100	ug/Kg	94				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1100	0	810	ug/Kg	74				70 (61)	130 (125)	
Dibenz(a,h)anthracene	1100	0	810	ug/Kg	74				70 (67)	130 (130)	
Benzo(g,h,i)perylene	1100	88.2	680	ug/Kg	54	*			70 (53)	130 (140)	
1,2,4,5-Tetrachlorobenzene	1100	0	1100	ug/Kg	100				70 (69)	130 (124)	
1,4-Dioxane	1100	0	830	ug/Kg	75				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1100	0	1000	ug/Kg	91				70 (56)	130 (133)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: O5257-05MSD		**Client Sample ID: WC-2MSD**						**DataFile: BF136163.D**			
Benzaldehyde	1100	0	350	ug/Kg	32		6		20 (26)	160 (163)	30 (20)
Phenol	1100	0	1100	ug/Kg	100		9		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1100	0	1100	ug/Kg	100		9		70 (74)	130 (116)	30 (20)
2-Chlorophenol	1100	0	1100	ug/Kg	100		0		70 (61)	130 (138)	30 (20)
2-Methylphenol	1100	0	1000	ug/Kg	91		6		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1100	0	1000	ug/Kg	91		3		70 (52)	130 (115)	30 (20)
Acetophenone	1100	0	1200	ug/Kg	109		9		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1100	0	1000	ug/Kg	91		2		20 (53)	160 (132)	30 (20)
N-Nitroso-di-n-propylamine	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Hexachloroethane	1100	0	1200	ug/Kg	109		9		20 (65)	160 (117)	30 (20)
Nitrobenzene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (119)	30 (20)
Isophorone	1100	0	1100	ug/Kg	100		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1100	0	1300	ug/Kg	118		8		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1100	0	1000	ug/Kg	91		4		70 (83)	130 (144)	30 (20)
bis(2-Chloroethoxy)methane	1100	0	1100	ug/Kg	100		9		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (118)	30 (20)
Naphthalene	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1100	0	260	ug/Kg	24	*	0		70 (10)	130 (100)	30 (20)
Hexachlorobutadiene	1100	0	1200	ug/Kg	109		0		70 (66)	130 (114)	30 (20)
Caprolactam	1100	0	1200	ug/Kg	109		9		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1100	0	1200	ug/Kg	109		9		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1100	0	1100	ug/Kg	100		9		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		18		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1100	0	1200	ug/Kg	109		9		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1100	0	1100	ug/Kg	100		9		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1100	0	1200	ug/Kg	109		9		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1100	0	1200	ug/Kg	109		9		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1100	0	1200	ug/Kg	109		9		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (113)	30 (20)
Acenaphthylene	1100	0	1200	ug/Kg	109		9		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1100	0	1200	ug/Kg	109		9		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1100	0	690	ug/Kg	63	*	5		70 (20)	130 (111)	30 (20)
Acenaphthene	1100	0	1100	ug/Kg	100		9		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	2200	0	1700	ug/Kg	77		12		20 (16)	160 (160)	30 (20)
4-Nitrophenol	2200	0	2200	ug/Kg	100		9		20 (45)	160 (133)	30 (20)
Dibenzofuran	1100	0	1100	ug/Kg	100		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1100	0	1200	ug/Kg	109		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1100	0	1200	ug/Kg	109		9		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1100	0	1200	ug/Kg	109		9		70 (71)	130 (108)	30 (20)
Fluorene	1100	0	1200	ug/Kg	109		9		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1100	0	970	ug/Kg	88		5		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1100	0	970	ug/Kg	88		8		70 (32)	130 (145)	30 (20)
N-Nitrosodiphenylamine	1100	0	1300	ug/Kg	118		8		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1100	0	1300	ug/Kg	118		8		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1100	0	1300	ug/Kg	118		8		70 (67)	130 (118)	30 (20)
Atrazine	1100	0	1600	ug/Kg	145	*	6		70 (79)	130 (127)	30 (20)
Pentachlorophenol	2200	0	2100	ug/Kg	95		4		20 (47)	160 (128)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Phenanthrene	1100	71.1	1200	ug/Kg	103		0		70 (72)	130 (113)	30 (20)
Anthracene	1100	0	1200	ug/Kg	109		9		70 (62)	130 (124)	30 (20)
Carbazole	1100	0	1100	ug/Kg	100		9		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1100	0	1300	ug/Kg	118		8		70 (69)	130 (118)	30 (20)
Fluoranthene	1100	120	1200	ug/Kg	98		10		70 (59)	130 (125)	30 (20)
Pyrene	1100	110	1100	ug/Kg	90		12		70 (52)	130 (128)	30 (20)
Butylbenzylphthalate	1100	0	1100	ug/Kg	100		9		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1100	0	1100	ug/Kg	100		9		70 (10)	130 (164)	30 (20)
Benzo(a)anthracene	1100	67.6	1200	ug/Kg	103		9		70 (71)	130 (114)	30 (20)
Chrysene	1100	69.7	1200	ug/Kg	103		9		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1100	0	1200	ug/Kg	109		9		70 (66)	130 (127)	30 (20)
Di-n-octyl phthalate	1100	0	1400	ug/Kg	127		7		70 (71)	130 (126)	30 (20)
Benzo(b)fluoranthene	1100	100	1400	ug/Kg	118		8		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1100	0	1200	ug/Kg	109		9		70 (74)	130 (114)	30 (20)
Benzo(a)pyrene	1100	70.4	1200	ug/Kg	103		9		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1100	0	900	ug/Kg	82		10		70 (61)	130 (125)	30 (20)
Dibenz(a,h)anthracene	1100	0	910	ug/Kg	83		11		70 (67)	130 (130)	30 (20)
Benzo(g,h,i)perylene	1100	88.2	750	ug/Kg	60	*	11		70 (53)	130 (140)	30 (20)
1,2,4,5-Tetrachlorobenzene	1100	0	1200	ug/Kg	109		9		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1100	0	870	ug/Kg	79		5		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1100	0	1100	ug/Kg	100		9		70 (56)	130 (133)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Benzaldehyde	1700	710	ug/Kg	42				20 (10)	160 (147)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				70 (60)	130 (101)	
	2-Chlorophenol	1700	1500	ug/Kg	88				70 (65)	130 (112)	
	2-Methylphenol	1700	1400	ug/Kg	82				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				70 (51)	130 (100)	
	Acetophenone	1700	1500	ug/Kg	88				70 (55)	130 (104)	
	3+4-Methylphenols	1700	1400	ug/Kg	82				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				70 (63)	130 (95)	
	Hexachloroethane	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				70 (67)	130 (119)	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				70 (53)	130 (105)	
	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	1000	ug/Kg	59		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				20 (45)	160 (134)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1400	ug/Kg	82				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2900	ug/Kg	88				20 (37)	160 (128)	
	4-Nitrophenol	3300	3100	ug/Kg	94				20 (48)	160 (119)	
	Dibenzofuran	1700	1400	ug/Kg	82				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				70 (60)	130 (106)	
	Diethylphthalate	1700	1400	ug/Kg	82				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				70 (58)	130 (98)	
	Fluorene	1700	1400	ug/Kg	82				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (56)	130 (107)	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				70 (55)	130 (99)	
	Hexachlorobenzene	1700	1600	ug/Kg	94				70 (64)	130 (98)	
	Atrazine	1700	1200	ug/Kg	71				70 (67)	130 (113)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O5252

Client: RMJ Environomics, Inc.

Analytical Method: 8270E **DataFile:** BF136178.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB156921BS	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)	
	Phenanthrene	1700	1500	ug/Kg	88				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Carbazole	1700	1500	ug/Kg	88				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				70 (58)	130 (104)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				70 (60)	130 (102)	
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (63)	130 (111)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (70)	130 (108)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				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	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (108)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156921BL

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136177.D Lab Sample ID: PB156921BL

Instrument ID: BNA_F Date Extracted: 11/06/2023

Matrix: (soil/water) SOIL Date Analyzed: 11/07/2023

Level: (low/med) LOW Time Analyzed: 15:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156921BS	PB156921BS	BF136178.D	11/07/2023
WASTE	O5252-01	BM042698.D	11/10/2023
WC-2MS	O5257-05MS	BF136162.D	11/06/2023
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136022.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.1
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.0
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136023.D	10/30/2023	12:02
SSTDICC005	SSTDICC005	BF136024.D	10/30/2023	12:32
SSTDICC010	SSTDICC010	BF136025.D	10/30/2023	13:02
SSTDICC020	SSTDICC020	BF136026.D	10/30/2023	13:33
SSTDICCC040	SSTDICCC040	BF136027.D	10/30/2023	14:04
SSTDICC050	SSTDICC050	BF136028.D	10/30/2023	14:49
SSTDICC060	SSTDICC060	BF136029.D	10/30/2023	15:20
SSTDICC080	SSTDICC080	BF136030.D	10/30/2023	15:51

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136148.D DFTPP Injection Date: 11/06/2023

Instrument ID: BNA_F DFTPP Injection Time: 11:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	32.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46
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	6.3
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF136149.D	11/06/2023	12:01
WC-2MS	O5257-05MS	BF136162.D	11/06/2023	18:59
WC-2MSD	O5257-05MSD	BF136163.D	11/06/2023	19:29

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BF136166.D DFTPP Injection Date: 11/07/2023

Instrument ID: BNA_F DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.8 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF136168.D	11/07/2023	10:30
SSTDICC005	SSTDICC005	BF136169.D	11/07/2023	11:01
SSTDICC010	SSTDICC010	BF136170.D	11/07/2023	11:31
SSTDICC020	SSTDICC020	BF136171.D	11/07/2023	12:01
SSTDICCC040	SSTDICCC040	BF136172.D	11/07/2023	12:31
SSTDICC050	SSTDICC050	BF136173.D	11/07/2023	13:02
SSTDICC060	SSTDICC060	BF136174.D	11/07/2023	13:33
SSTDICC080	SSTDICC080	BF136175.D	11/07/2023	14:03
PB156921BL	PB156921BL	BF136177.D	11/07/2023	15:47
PB156921BS	PB156921BS	BF136178.D	11/07/2023	16:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042487.D DFTPP Injection Date: 10/30/2023

Instrument ID: BNA_M DFTPP Injection Time: 09:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.8
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	45.8
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.4
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.4 (19.7) 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
SSTDICC2.5	SSTDICC2.5	BM042488.D	10/30/2023	11:04
SSTDICC005	SSTDICC005	BM042489.D	10/30/2023	11:40
SSTDICC010	SSTDICC010	BM042490.D	10/30/2023	12:16
SSTDICC020	SSTDICC020	BM042491.D	10/30/2023	12:52
SSTDICCC040	SSTDICCC040	BM042492.D	10/30/2023	13:29
SSTDICC050	SSTDICC050	BM042493.D	10/30/2023	14:05
SSTDICC060	SSTDICC060	BM042494.D	10/30/2023	14:41
SSTDICC080	SSTDICC080	BM042495.D	10/30/2023	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM SAS No.: O5252 SDG NO.: O5252

Lab File ID: BM042684.D DFTPP Injection Date: 11/10/2023

Instrument ID: BNA_M DFTPP Injection Time: 10:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.5
68	Less than 2.0% of mass 69	0.7 (1.5) 1
69	Mass 69 relative abundance	46.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	44.2
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM042685.D	11/10/2023	11:22
WASTE	O5252-01	BM042698.D	11/10/2023	19:10

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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	106195	6.822	409921	8.10	211105	9.86
	UPPER LIMIT	212390	7.322	819842	8.598	422210	10.363
	LOWER LIMIT	53097.5	6.322	204961	7.598	105553	9.363
	EPA SAMPLE NO.						
01	WC-2MS	84798	6.82	326584	8.10	167090	9.86
02	WC-2MSD	84667	6.82	331240	8.10	166345	9.86

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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/06/2023

Lab File ID: BF136149.D Time Analyzed: 12:01

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	390010	11.351	198566	14.01	195040	15.492
	UPPER LIMIT	780020	11.851	397132	14.51	390080	15.992
	LOWER LIMIT	195005	10.851	99283	13.51	97520	14.992
	EPA SAMPLE NO.						
01	WC-2MS	266358	11.35	168860	14.01	162522	15.50
02	WC-2MSD	270586	11.35	171083	14.01	163710	15.50

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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	94039	6.822	355903	8.10	179783	9.86
	UPPER LIMIT	188078	7.322	711806	8.598	359566	10.357
	LOWER LIMIT	47019.5	6.322	177952	7.598	89891.5	9.357
	EPA SAMPLE NO.						
01	PB156921BL	92028	6.82	367949	8.10	188969	9.86
02	PB156921BS	87663	6.82	351885	8.10	189065	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDICCC040 Date Analyzed: 11/07/2023

Lab File ID: BF136172.D Time Analyzed: 12:31

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	318009	11.351	161950	14.01	176876	15.498
	UPPER LIMIT	636018	11.851	323900	14.51	353752	15.998
	LOWER LIMIT	159005	10.851	80975	13.51	88438	14.998
	EPA SAMPLE NO.						
01	PB156921BL	341560	11.35	196372	14.00	181071	15.49
02	PB156921BS	332026	11.35	171609	14.01	179783	15.50

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72991	7.845	331358	10.66	231375	14.50
	UPPER LIMIT	145982	8.345	662716	11.163	462750	15.004
	LOWER LIMIT	36495.5	7.345	165679	10.163	115688	14.004
	EPA SAMPLE NO.						
01	WASTE	62722	7.85	245261	10.66	160144	14.50

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG NO.: O5252

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/10/2023

Lab File ID: BM042685.D Time Analyzed: 11:22

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	472580	17.257	366899	21.445	365656	23.821
	UPPER LIMIT	945160	17.757	733798	21.945	731312	24.321
	LOWER LIMIT	236290	16.757	183450	20.945	182828	23.321
	EPA SAMPLE NO.						
01	WASTE	307838	17.26	232800	21.44	261247	23.82

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

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

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

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SAMPLE DATA

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
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
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.82	U	0.82	1.80	mg/Kg
108-95-2	Phenol	0.41	U	0.41	0.94	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.49	U	0.49	0.94	mg/Kg
95-57-8	2-Chlorophenol	0.40	U	0.40	0.94	mg/Kg
95-48-7	2-Methylphenol	0.63	U	0.63	0.94	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.58	U	0.58	0.94	mg/Kg
98-86-2	Acetophenone	0.48	U	0.48	0.94	mg/Kg
65794-96-9	3+4-Methylphenols	0.60	U	0.60	1.80	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.33	U	0.33	0.44	mg/Kg
67-72-1	Hexachloroethane	0.41	U	0.41	0.94	mg/Kg
98-95-3	Nitrobenzene	0.41	U	0.41	0.94	mg/Kg
78-59-1	Isophorone	0.38	U	0.38	0.94	mg/Kg
88-75-5	2-Nitrophenol	0.52	U	0.52	0.94	mg/Kg
105-67-9	2,4-Dimethylphenol	0.55	U	0.55	0.94	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.62	U	0.62	0.94	mg/Kg
120-83-2	2,4-Dichlorophenol	0.43	U	0.43	0.94	mg/Kg
91-20-3	Naphthalene	0.45	U	0.45	0.94	mg/Kg
106-47-8	4-Chloroaniline	0.58	UQ	0.58	0.94	mg/Kg
87-68-3	Hexachlorobutadiene	0.46	U	0.46	0.94	mg/Kg
105-60-2	Caprolactam	0.64	U	0.64	1.80	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.45	U	0.45	0.94	mg/Kg
91-57-6	2-Methylnaphthalene	0.52	U	0.52	0.94	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.20	U	1.20	1.80	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.42	U	0.42	0.94	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.48	U	0.48	0.94	mg/Kg
92-52-4	1,1-Biphenyl	0.50	U	0.50	0.94	mg/Kg
91-58-7	2-Chloronaphthalene	0.47	U	0.47	0.94	mg/Kg
88-74-4	2-Nitroaniline	0.55	U	0.55	0.94	mg/Kg
131-11-3	Dimethylphthalate	0.49	U	0.49	0.94	mg/Kg
208-96-8	Acenaphthylene	0.49	U	0.49	0.94	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.50	U	0.50	0.94	mg/Kg

Raw Data: **BM042698.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
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
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.51	U	0.51	0.94	mg/Kg
83-32-9	Acenaphthene	0.44	U	0.44	0.94	mg/Kg
51-28-5	2,4-Dinitrophenol	0.99	U	0.99	1.80	mg/Kg
100-02-7	4-Nitrophenol	0.63	U	0.63	1.80	mg/Kg
132-64-9	Dibenzofuran	0.42	U	0.42	0.94	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.55	U	0.55	0.94	mg/Kg
84-66-2	Diethylphthalate	0.47	U	0.47	0.94	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.50	U	0.50	0.94	mg/Kg
86-73-7	Fluorene	0.47	U	0.47	0.94	mg/Kg
100-01-6	4-Nitroaniline	0.57	U	0.57	0.94	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.48	U	0.48	1.80	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.51	U	0.51	0.94	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.54	U	0.54	0.94	mg/Kg
118-74-1	Hexachlorobenzene	0.54	U	0.54	0.94	mg/Kg
1912-24-9	Atrazine	0.53	U	0.53	0.94	mg/Kg
87-86-5	Pentachlorophenol	0.61	U	0.61	1.80	mg/Kg
85-01-8	Phenanthrene	0.51	U	0.51	0.94	mg/Kg
120-12-7	Anthracene	0.56	U	0.56	0.94	mg/Kg
86-74-8	Carbazole	0.47	U	0.47	0.94	mg/Kg
84-74-2	Di-n-butylphthalate	0.57	U	0.57	0.94	mg/Kg
206-44-0	Fluoranthene	0.52	U	0.52	0.94	mg/Kg
129-00-0	Pyrene	0.46	U	0.46	0.94	mg/Kg
85-68-7	Butylbenzylphthalate	0.57	U	0.57	0.94	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.89	U	0.89	1.80	mg/Kg
56-55-3	Benzo(a)anthracene	0.46	U	0.46	0.94	mg/Kg
218-01-9	Chrysene	0.48	U	0.48	0.94	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.69	J	0.63	0.94	mg/Kg
117-84-0	Di-n-octyl phthalate	0.68	U	0.68	1.80	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.44	U	0.44	0.94	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.49	U	0.49	0.94	mg/Kg
50-32-8	Benzo(a)pyrene	0.52	U	0.52	0.94	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	0.94	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.53	U	0.53	0.94	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
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
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.51	U	0.51	0.94	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.49	U	0.49	0.94	mg/Kg
123-91-1	1,4-Dioxane	0.64	U	0.64	0.94	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.46	U	0.46	0.94	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	86.3		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	81.2		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.6		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		30 (20) - 130 (109)	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.7		30 (10) - 130 (110)	62%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		30 (14) - 130 (112)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62700	7.846			
1146-65-2	Naphthalene-d8	245000	10.663			
15067-26-2	Acenaphthene-d10	160000	14.504			
1517-22-2	Phenanthrene-d10	308000	17.257			
1719-03-5	Chrysene-d12	233000	21.439			
1520-96-3	Perylene-d12	261000	23.821			
TENTATIVE IDENTIFIED COMPOUNDS						
001582-09-8	Trifluralin	650	J		15.8	ug/Kg
029091-21-2	1,3-Benzenediamine, 2,4-dinitro-N3	3100	J		18.0	ug/Kg
000057-10-3	n-Hexadecanoic acid	970	J		18.1	ug/Kg
867164-58-7	7-Hydroxyquinoline, tert-butyldime	380	J		19.3	ug/Kg
000646-30-0	Nonadecanoic acid	500	J		19.4	ug/Kg
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	500	J		19.7	ug/Kg
082657-04-3	Bifenthrin	21900	J		21.1	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	810	J		22.3	ug/Kg

Raw Data: **BM042698.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WASTE	SDG No.:	O5252
Lab Sample ID:	O5252-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.6
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
BM042698.D	5	11/06/23 09:48	11/10/23 19:10	PB156921

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_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

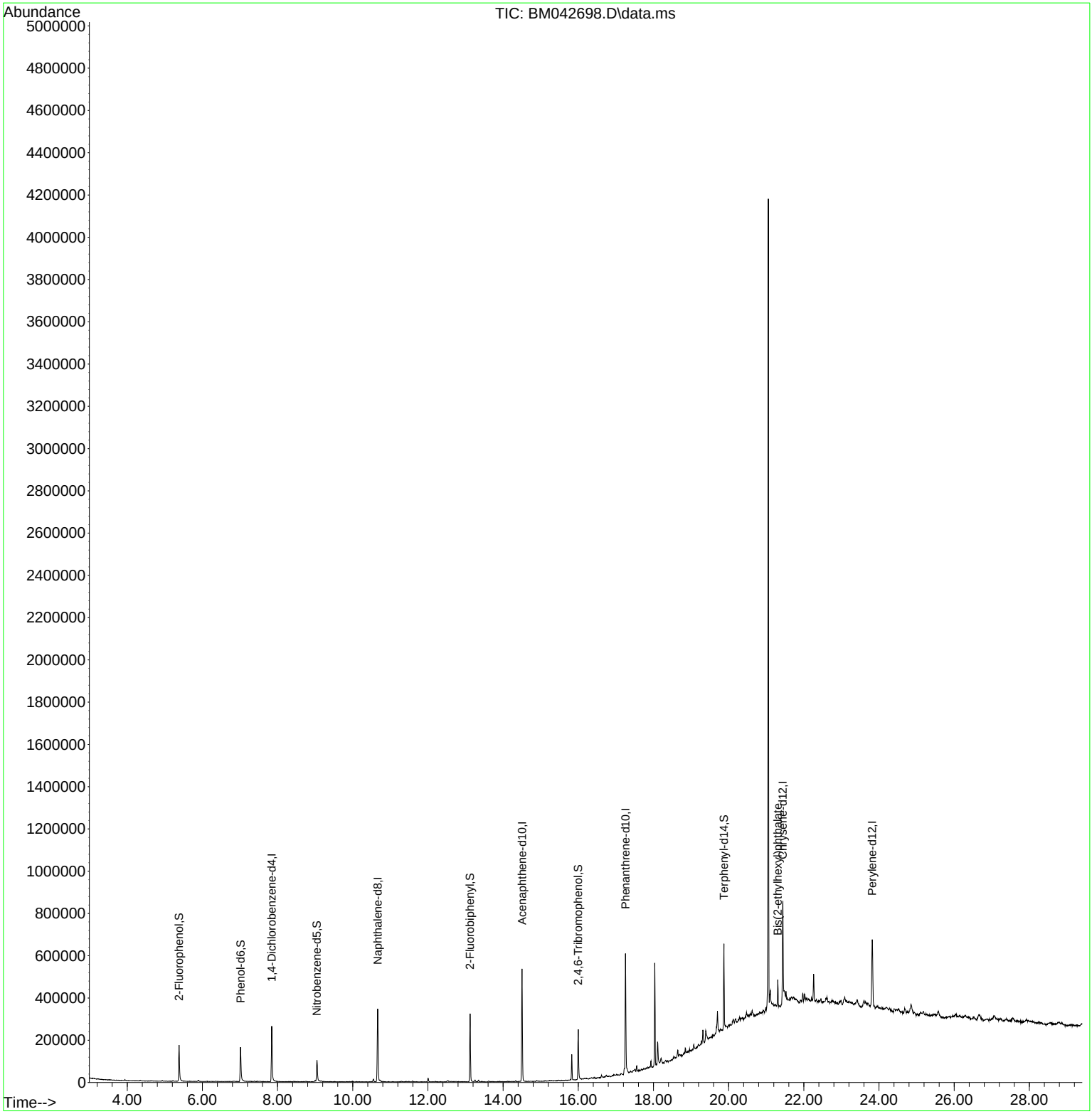
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	62722	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	245261	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	160144	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	307838	20.000	ng	# 0.00
76) Chrysene-d12	21.439	240	232800	20.000	ng	0.00
86) Perylene-d12	23.821	264	261247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	67095	17.264	ng	0.00
7) Phenol-d6	7.016	99	86544	16.237	ng	0.00
23) Nitrobenzene-d5	9.045	82	63759	12.119	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	38753	18.535	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	149455	12.558	ng	0.00
79) Terphenyl-d14	19.874	244	175307	12.769	ng	0.00
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.309	149	38787	3.759	ng	99

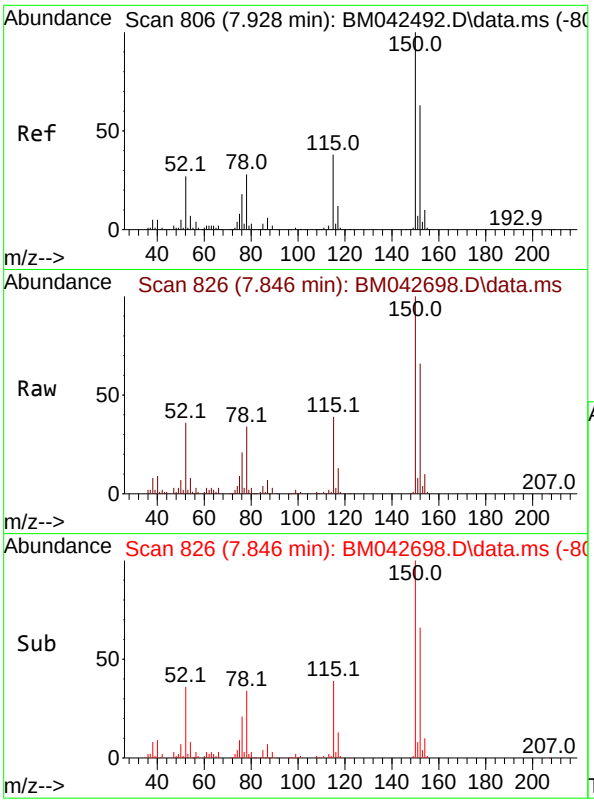
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Time: Nov 10 23:04:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration



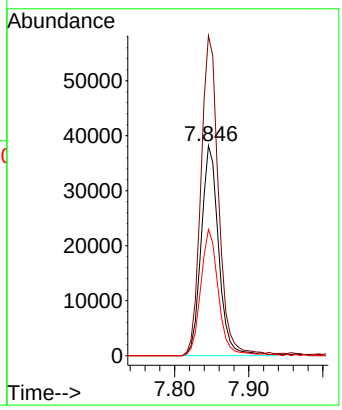


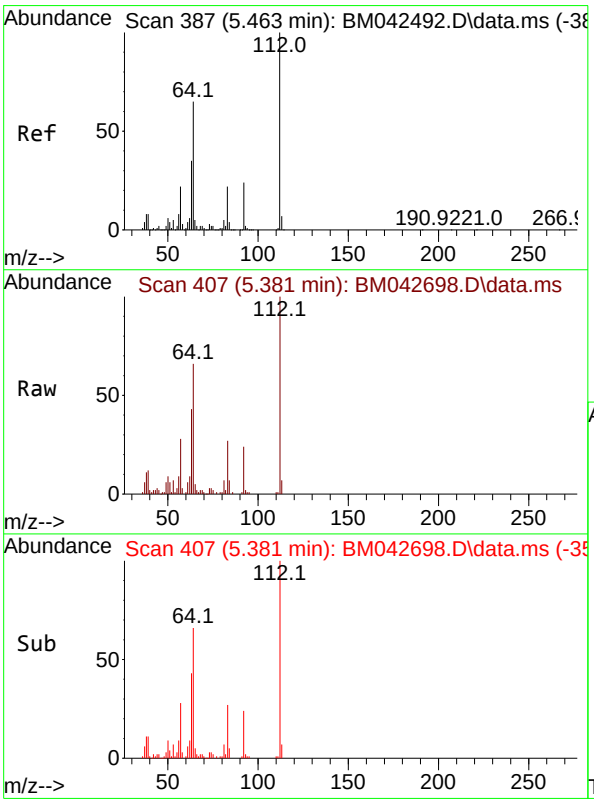
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.001 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:152 Resp: 62722

Ion	Ratio	Lower	Upper
152	100		
150	152.4	127.4	191.0
115	60.1	47.9	71.9

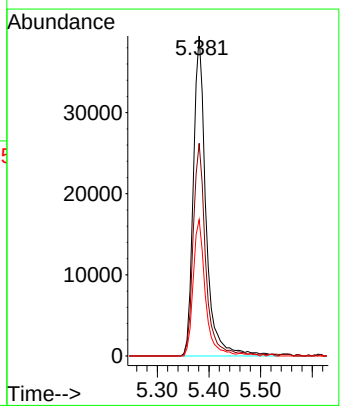


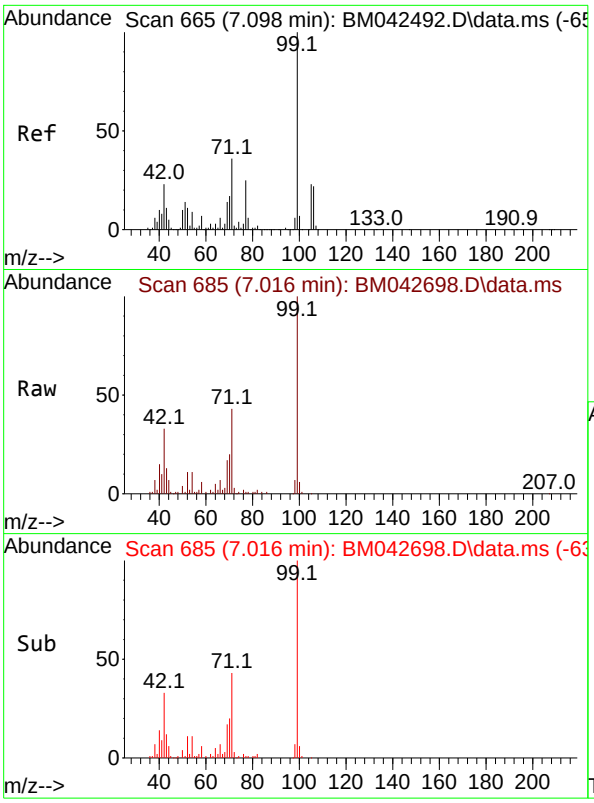


#5
2-Fluorophenol
Concen: 17.264 ng
RT: 5.381 min Scan# 407
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:112 Resp: 67095

Ion	Ratio	Lower	Upper
112	100		
64	66.5	52.1	78.1
63	42.6	28.3	42.5#



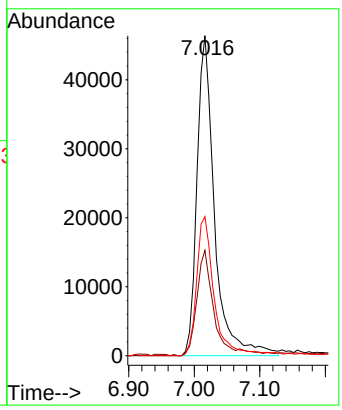


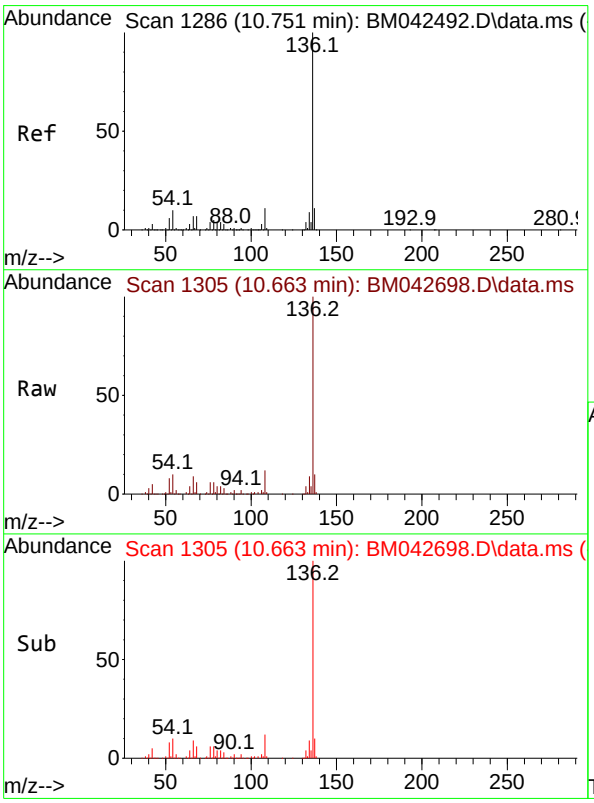
#7
Phenol-d6
Concen: 16.237 ng
RT: 7.016 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 99 Resp: 86544

Ion	Ratio	Lower	Upper
99	100		
42	32.9	18.7	28.1#
71	43.4	29.1	43.7

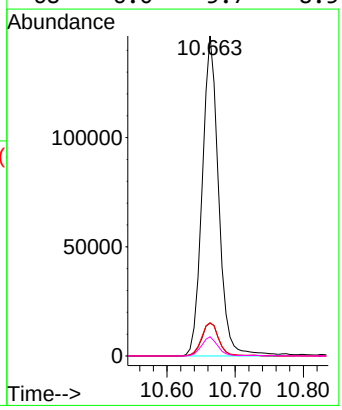


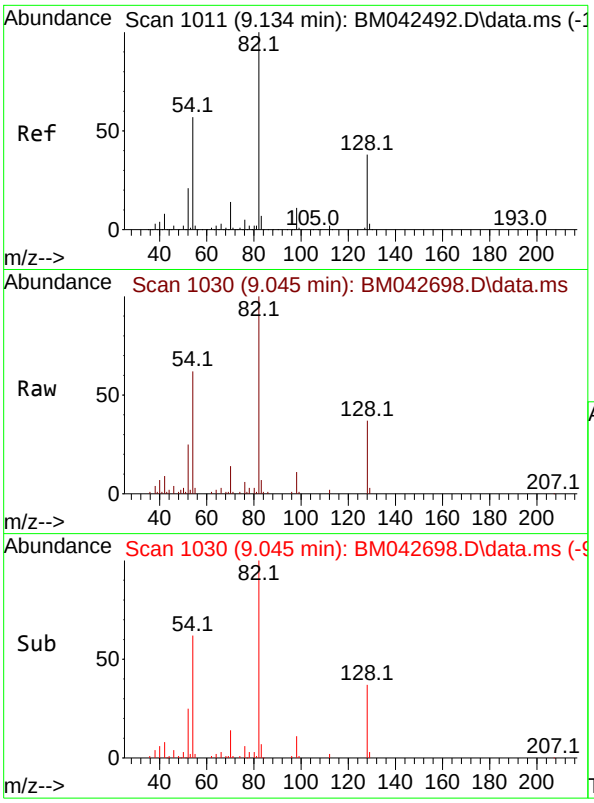


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.663 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:136 Resp: 245261

Ion	Ratio	Lower	Upper
136	100		
137	10.3	9.0	13.6
54	10.4	8.0	12.0
68	6.0	5.7	8.5



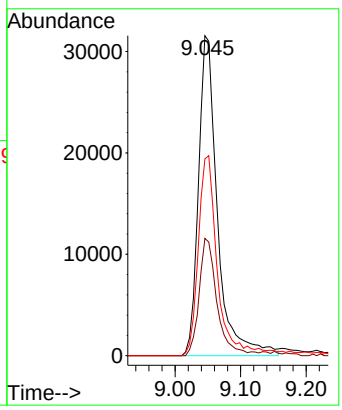


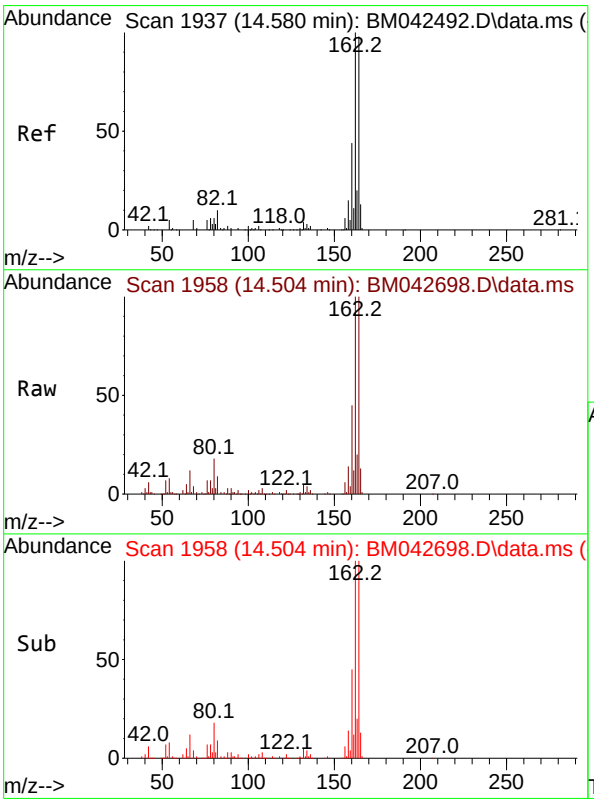
#23
Nitrobenzene-d5
Concen: 12.119 ng
RT: 9.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion: 82 Resp: 63759

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.7	46.1
54	61.5	45.3	67.9

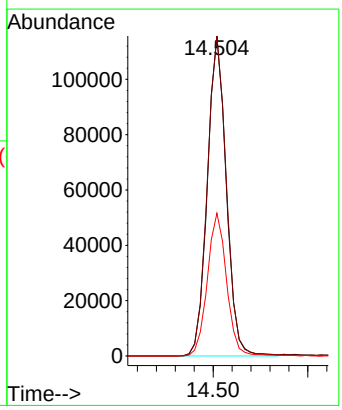


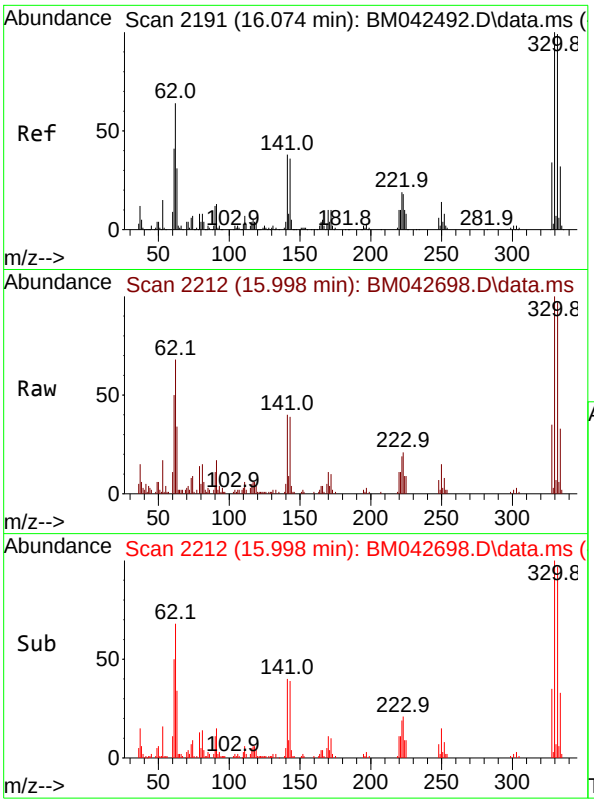


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:164 Resp: 160144

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.6	122.4
160	44.7	36.2	54.4



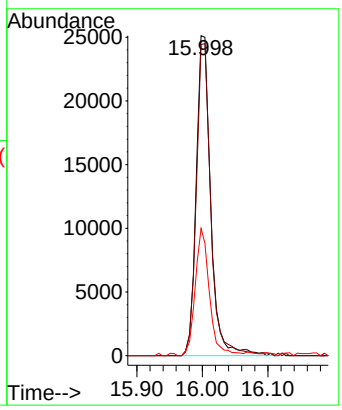


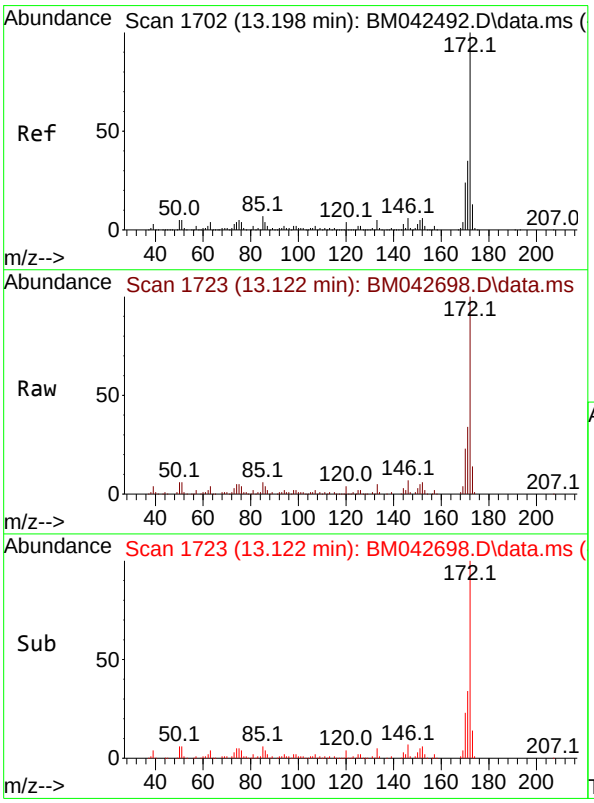
#42
2,4,6-Tribromophenol
Concen: 18.535 ng
RT: 15.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:330 Resp: 38753

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.8	118.2
141	39.0	31.1	46.7

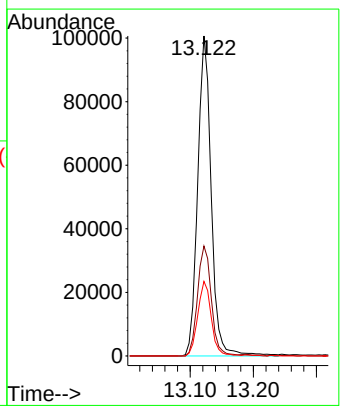


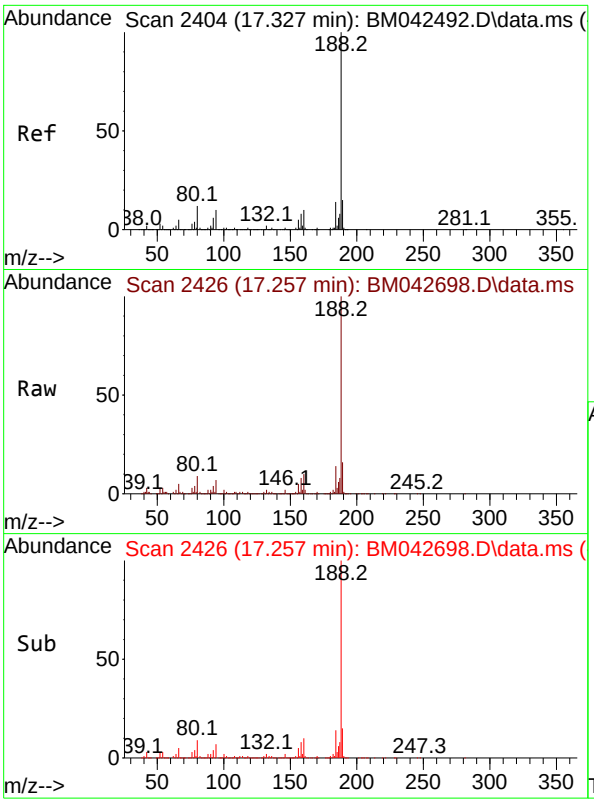


#45
2-Fluorobiphenyl
Concen: 12.558 ng
RT: 13.122 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:172 Resp: 149455

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	23.3	19.0	28.4



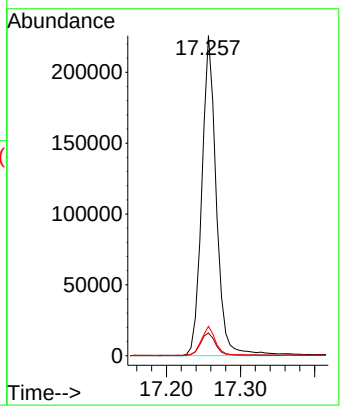


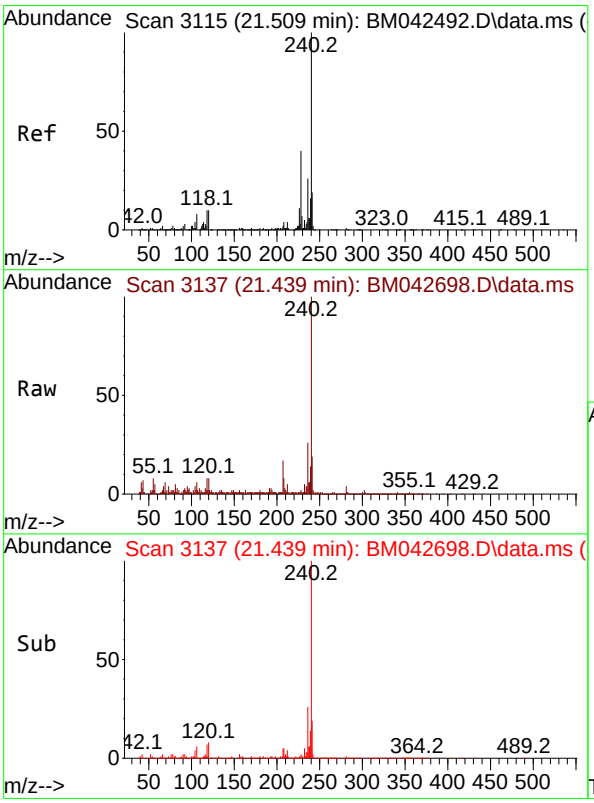
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:188 Resp: 307838

Ion	Ratio	Lower	Upper
188	100		
94	7.1	8.2	12.4#
80	9.2	9.4	14.2#

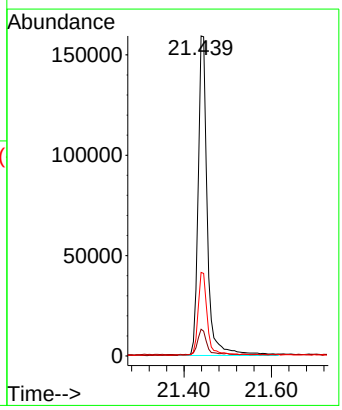


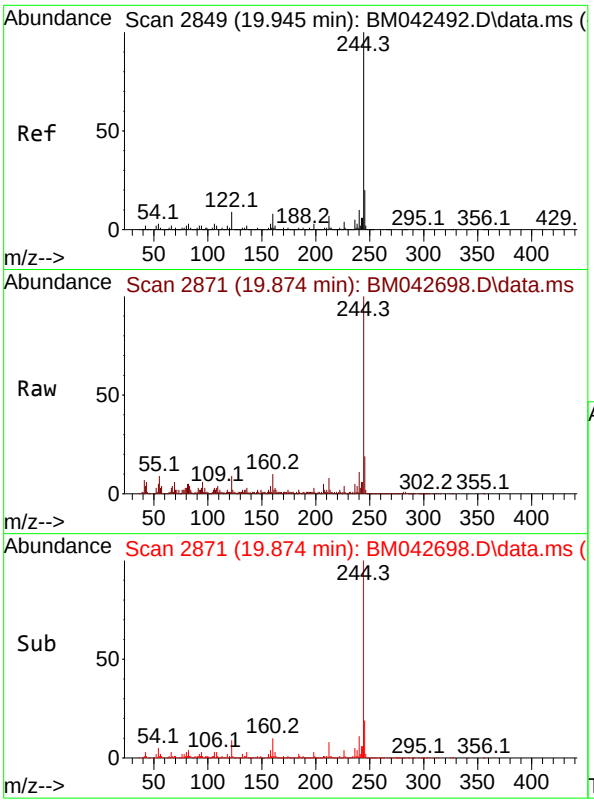


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:240 Resp: 232800

Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.3	12.5
236	26.1	20.8	31.2



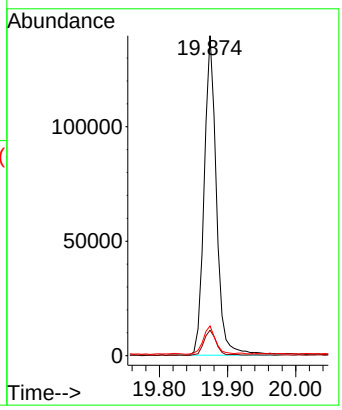


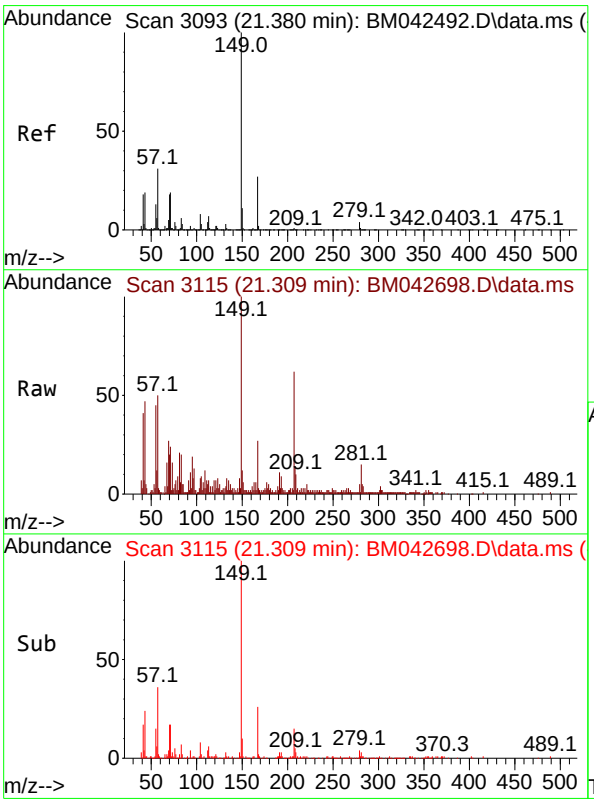
#79
Terphenyl-d14
Concen: 12.769 ng
RT: 19.874 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:244 Resp: 175307

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.4	8.2
122	9.3	7.2	10.8

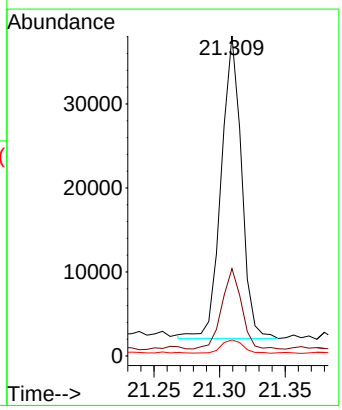


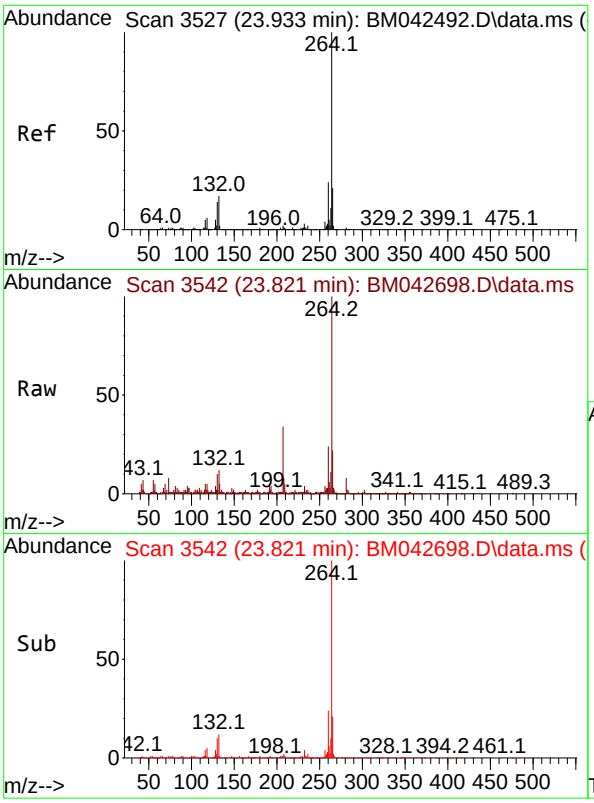


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.759 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Tgt Ion:149 Resp: 38787

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.0
279	5.0	3.4	5.2



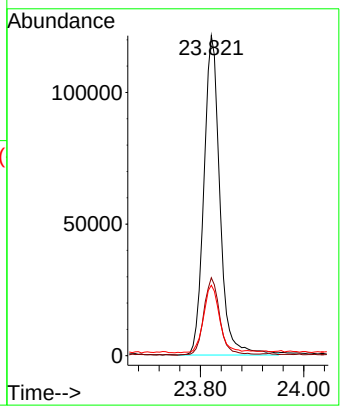


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.821 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM042698.D
Acq: 10 Nov 2023 19:10

Instrument :
BNA_M
ClientSampleId :
WASTE

Tgt Ion:264 Resp: 261247

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	18.7	28.1



Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

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_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM042698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.381	401	407	419	rBV	171159	285203	7.20%	2.545%
2	7.016	678	685	703	rBV	163086	312307	7.88%	2.786%
3	7.846	818	826	844	rBV	262817	454128	11.46%	4.052%
4	9.045	1025	1030	1038	rBV	98200	179944	4.54%	1.605%
5	10.663	1298	1305	1313	rBV	344692	572358	14.44%	5.107%
6	13.122	1717	1723	1735	rBV	323249	469948	11.86%	4.193%
7	14.504	1952	1958	1969	rBV	532302	752528	18.99%	6.714%
8	15.827	2179	2183	2188	rBV	120688	132607	3.35%	1.183%
9	15.998	2207	2212	2222	rBV	237905	352864	8.90%	3.148%
10	17.257	2421	2426	2432	rBV	544885	689291	17.39%	6.150%
11	18.033	2554	2558	2563	rBV	484445	577686	14.57%	5.154%
12	18.110	2567	2571	2581	rBV	107780	181461	4.58%	1.619%
13	19.315	2774	2776	2782	rVB2	59680	71542	1.80%	0.638%
14	19.392	2787	2789	2799	rVB7	43589	90554	2.28%	0.808%
15	19.704	2840	2842	2846	rVB	88213	90770	2.29%	0.810%
16	19.874	2867	2871	2876	rBV	402251	488529	12.32%	4.359%
17	21.056	3067	3072	3076	rVB	3803909	3963725	100.00%	35.364%
18	21.309	3112	3115	3118	rVB	127027	131046	3.31%	1.169%
19	21.445	3133	3138	3142	rBV	474370	665494	16.79%	5.937%
20	22.262	3275	3277	3285	rVB	129762	145949	3.68%	1.302%
21	23.821	3537	3542	3549	rVB	313395	600413	15.15%	5.357%

Sum of corrected areas: 11208347

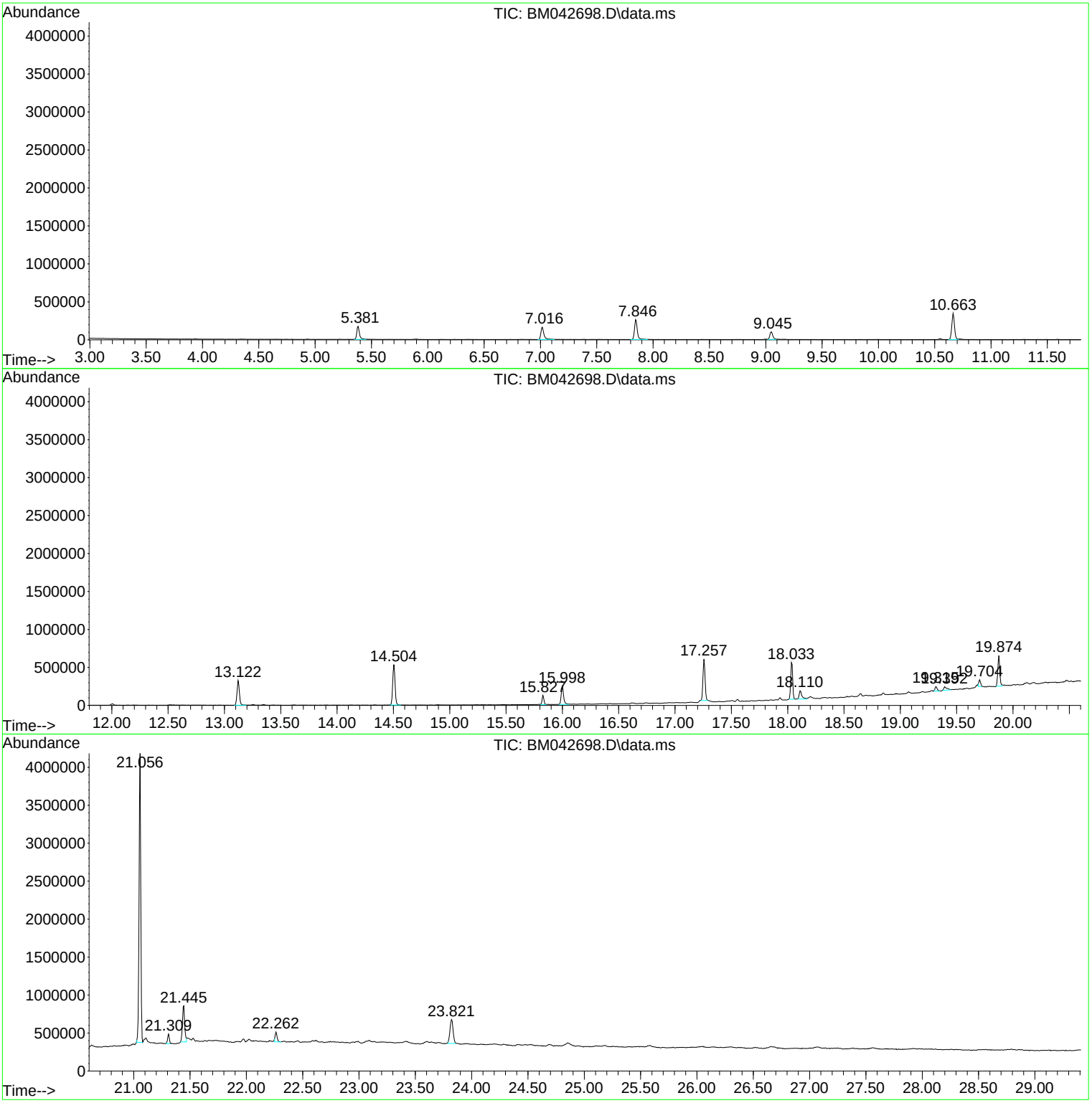
Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.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_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

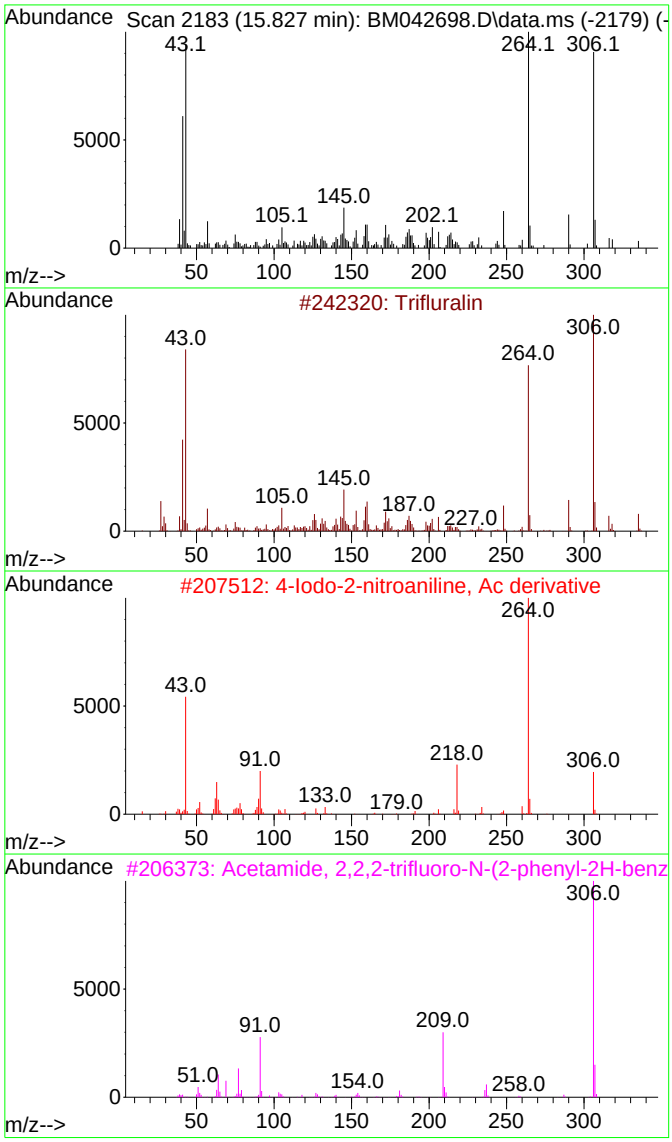
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

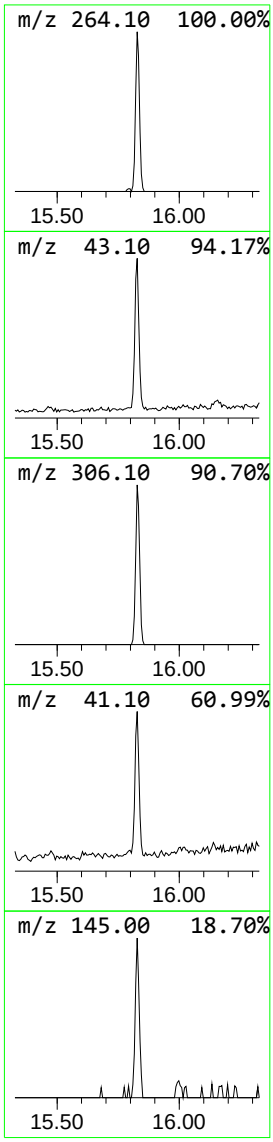
****

Peak Number 1 Trifluralin Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.827	3.52 ng	132607	Acenaphthene-d10	14.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluralin	335	C13H16F3N3O4	001582-09-8	99
2	4-Iodo-2-nitroaniline, Ac deriva...	306	C8H7IN2O3	1000494-76-3	64
3	Acetamide, 2,2,2-trifluoro-N-(2-...	306	C14H9F3N4O	350700-28-6	30
4	2,3,4,5-Tetrahydro-2-methyl-6-(2...	264	C10H8N4O5	017427-31-5	30
5	2,4-Dimethoxyiodobenzene	264	C8H9IO2	020469-63-0	27





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Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

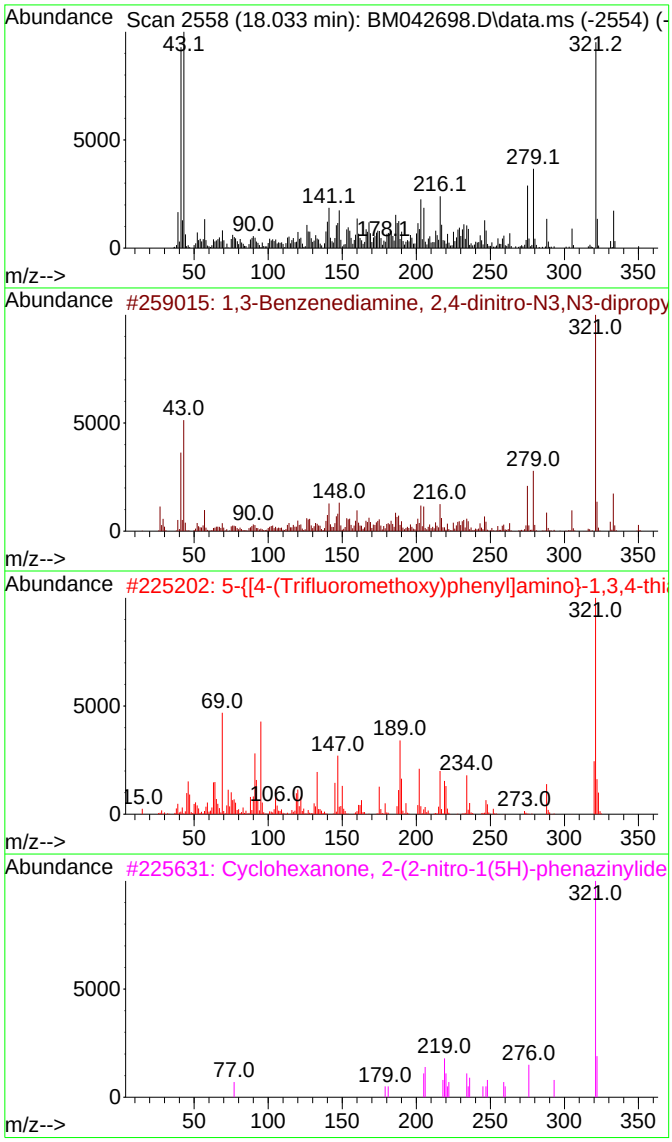
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

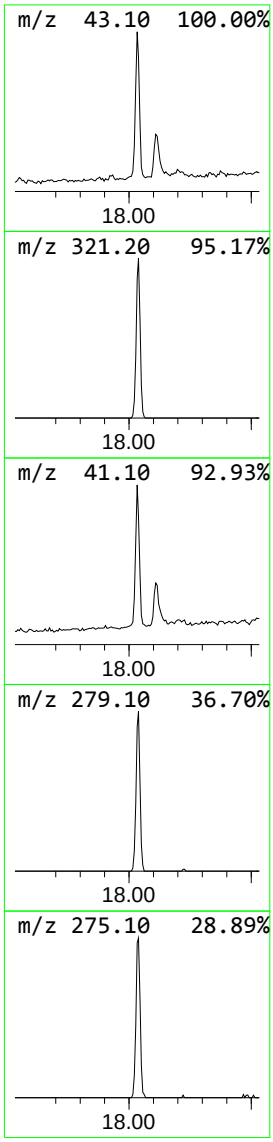
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,3-Benzenediamine, 2,4-din... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	16.76 ng	577686	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenediamine, 2,4-dinitro-...	350	C13H17F3N4O4	029091-21-2	97
2	5-{[4-(Trifluoromethoxy)phenyl]a...	321	C11H10F3N3OS2	1000507-70-1	49
3	Cyclohexanone, 2-(2-nitro-1(5H)-...	321	C18H15N3O3	021589-32-2	43
4	4-Amino-5-nitro-6-[3,4,5-trimeth...	321	C13H15N5O5	1000254-14-1	38
5	3,4,5-Trimethoxy-4'-nitrodipheny...	321	C15H15NO5S	024891-42-7	38





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Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

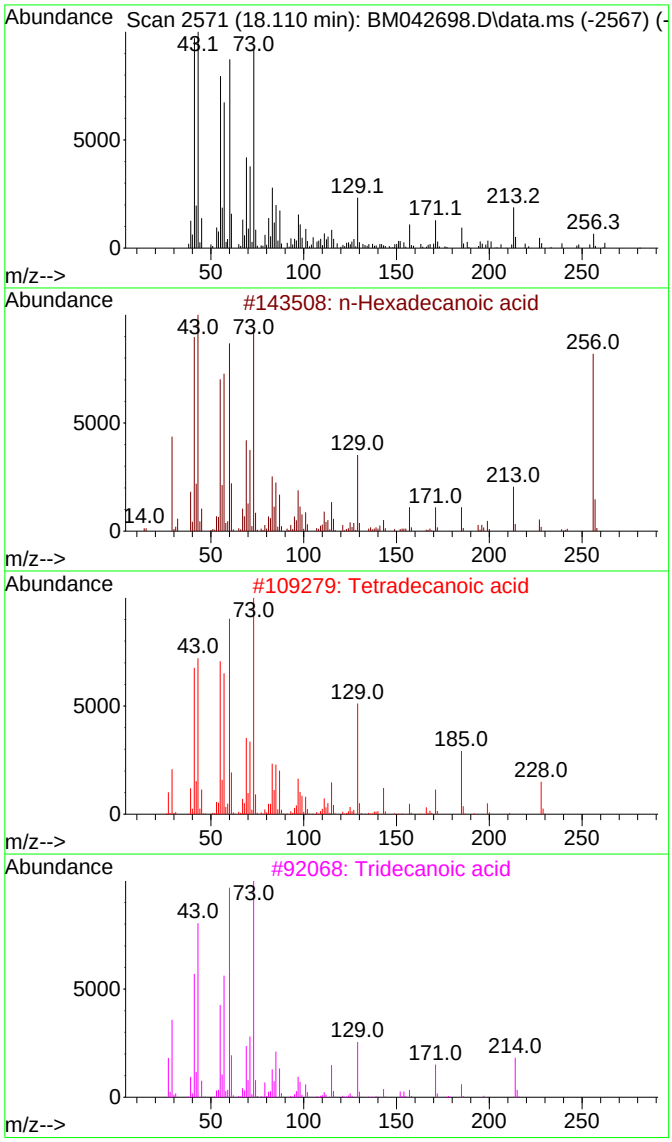
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

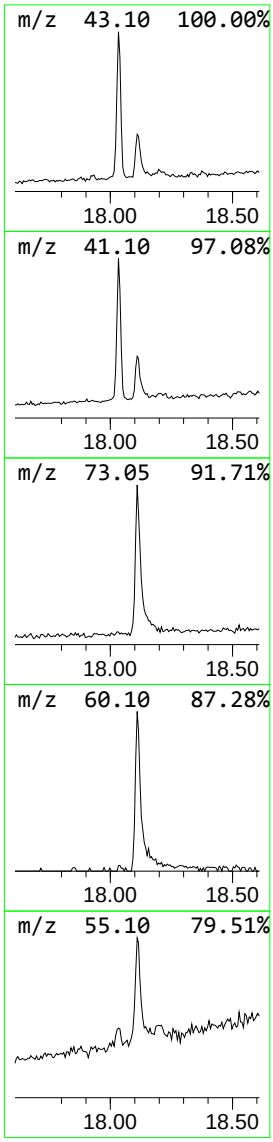
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.110	5.27 ng	181461	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	87
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	74
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





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Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

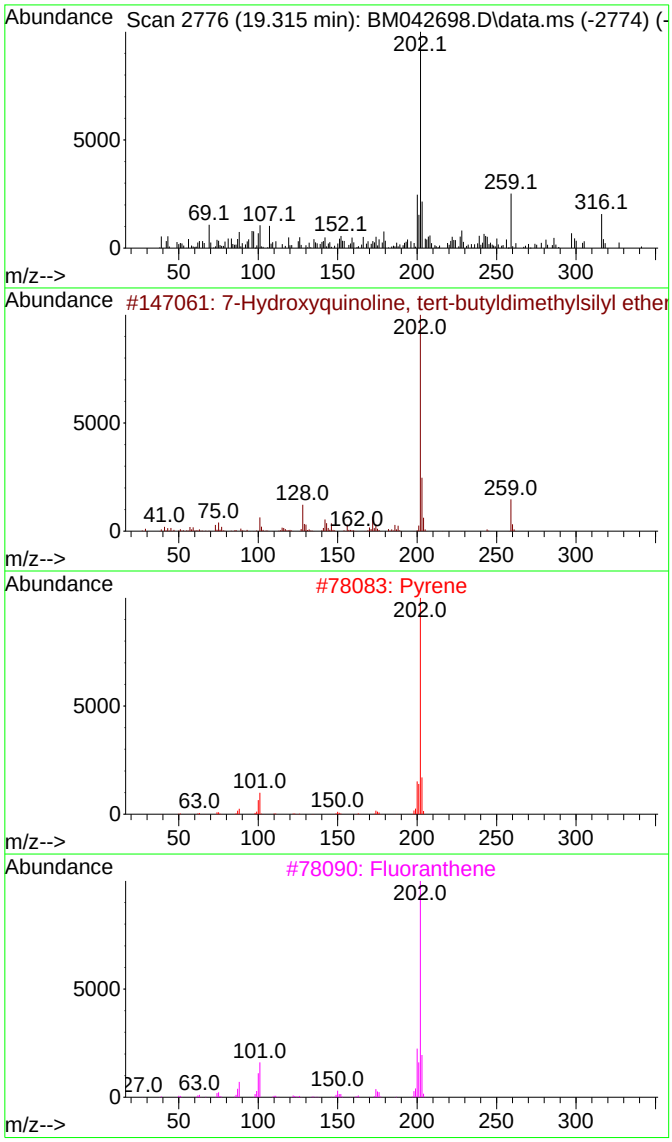
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

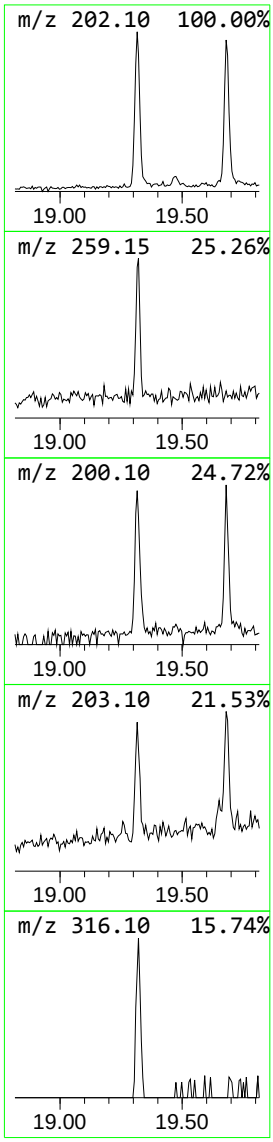
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 7-Hydroxyquinoline, tert-bu... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.315	2.08 ng	71542	Phenanthrene-d10	17.257

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hydroxyquinoline, tert-butyldi...	259	C15H21NOSi	867164-58-7	50
2	Pyrene	202	C16H10	000129-00-0	49
3	Fluoranthene	202	C16H10	000206-44-0	49
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	49
5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	38





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Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

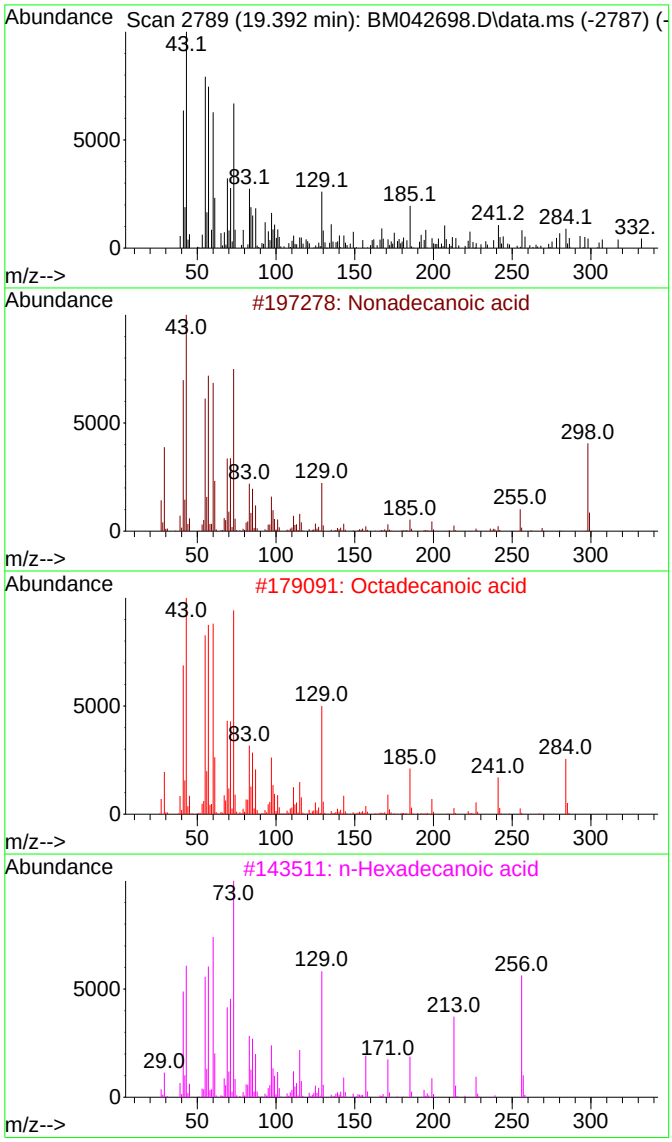
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

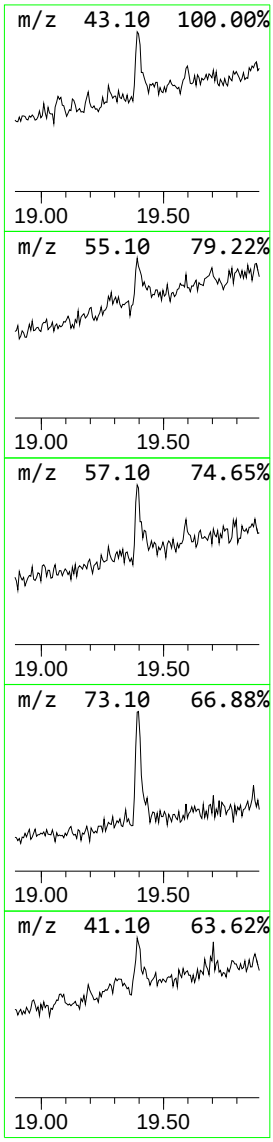
****

Peak Number 5 Nonadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.392	2.72 ng	90554	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecanoic acid	298	C19H38O2	000646-30-0	90
2	Octadecanoic acid	284	C18H36O2	000057-11-4	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	46





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Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

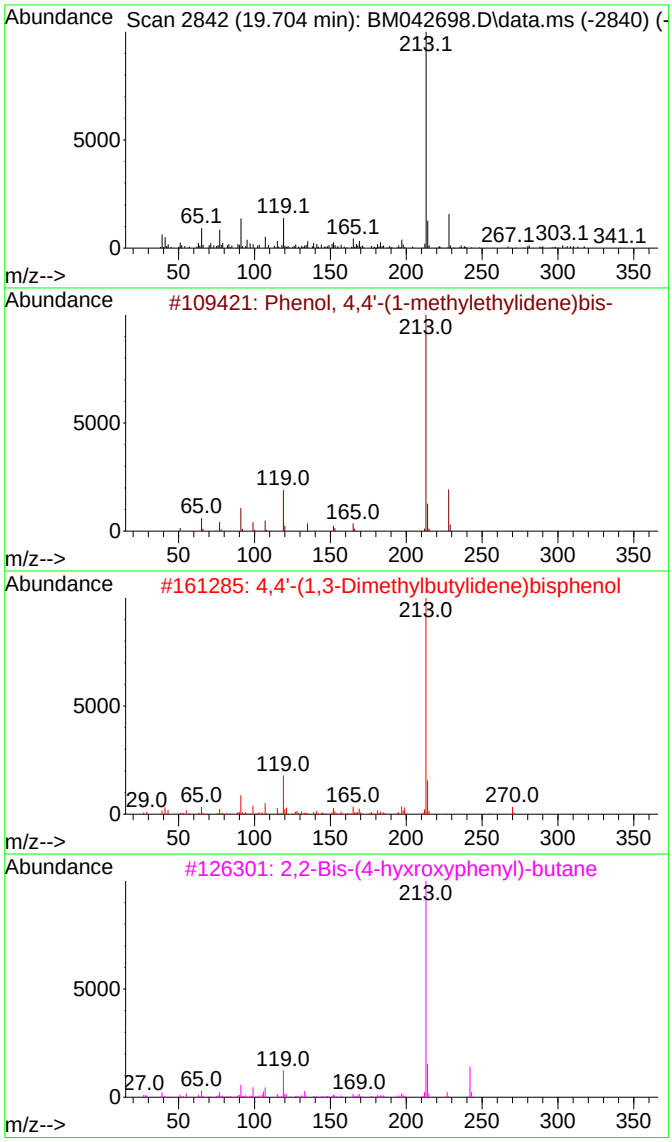
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

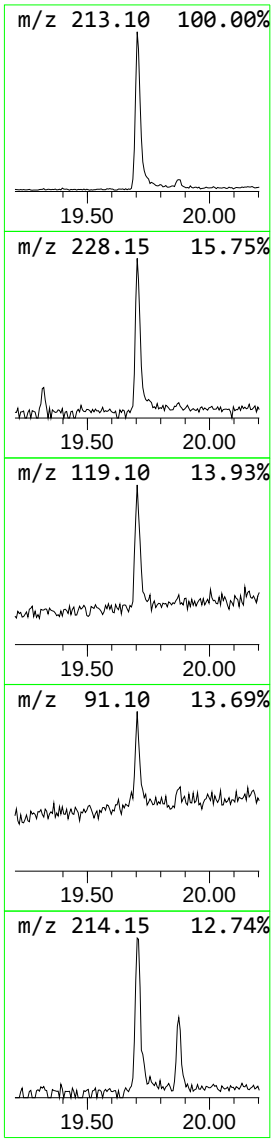
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Phenol, 4,4'-(1-methylethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.704	2.73 ng	90770	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	91
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	83
3	2,2-Bis-(4-hyxroxyphenyl)-butane	242	C16H18O2	000077-40-7	64
4	5-Fluoro-2-nitrophenylamine, TMS...	228	C9H13FN2O2Si	1000484-54-5	64
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	59





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Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

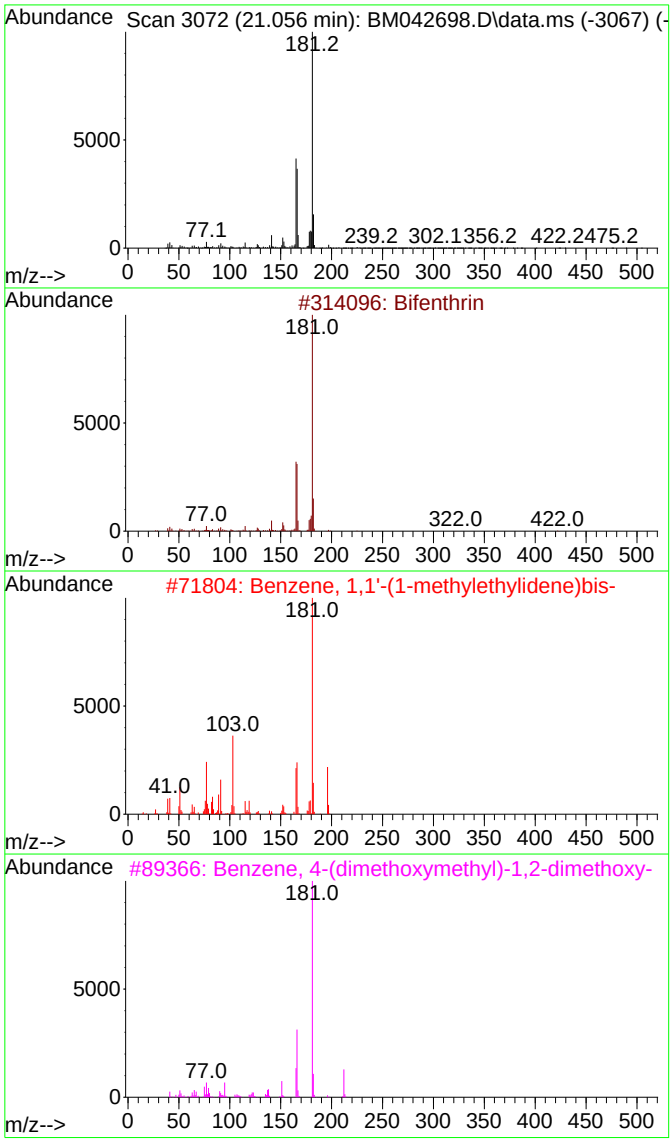
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

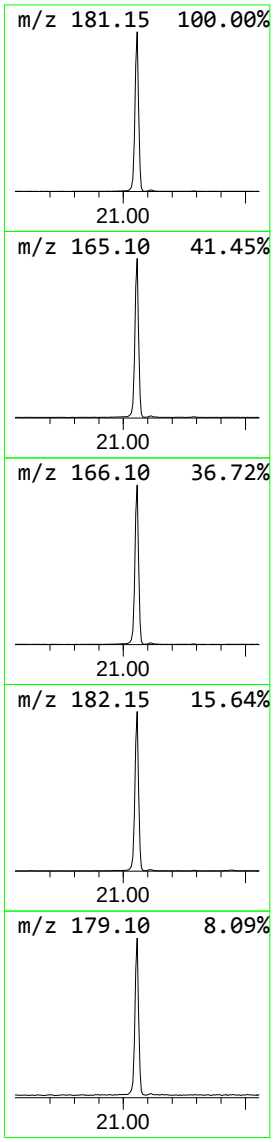
****

Peak Number 7 Bifenthrin Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	119.12 ng	3963730	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bifenthrin	422	C23H22ClF3O2	082657-04-3	91
2	Benzene, 1,1'-(1-methylethyliden...	196	C15H16	000778-22-3	64
3	Benzene, 4-(dimethoxymethyl)-1,2...	212	C11H16O4	059276-33-4	58
4	Benzeneethanol, .beta.-methyl-.b...	212	C15H16O	074421-26-4	53
5	8-Methyl-4-azafluorene	181	C13H11N	064292-00-8	53





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Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

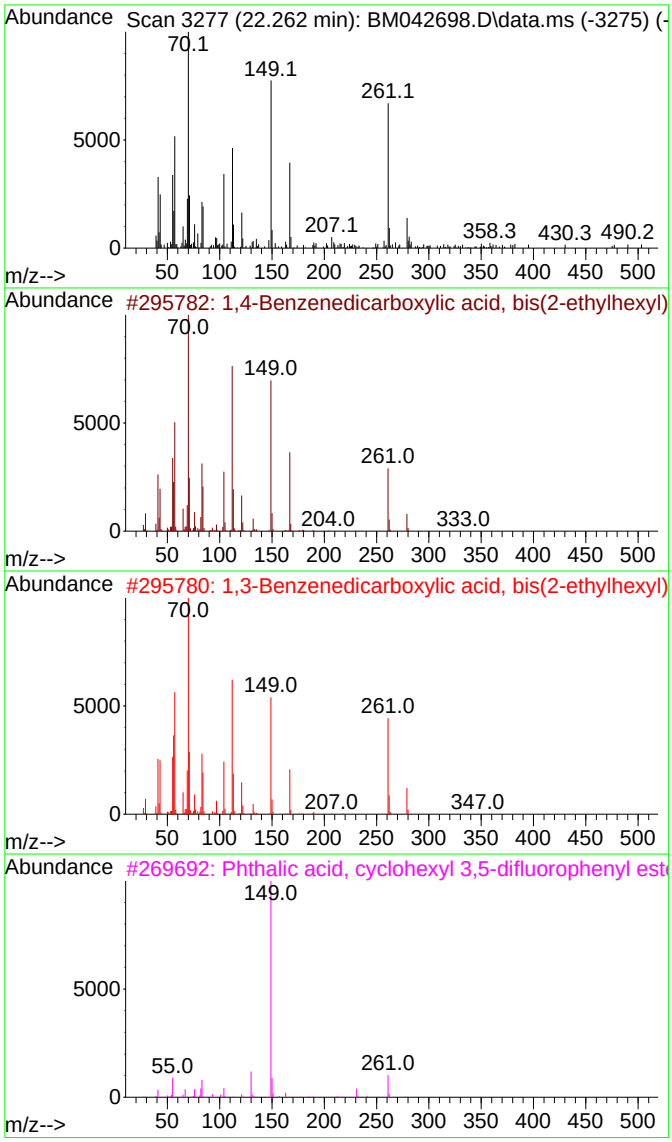
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

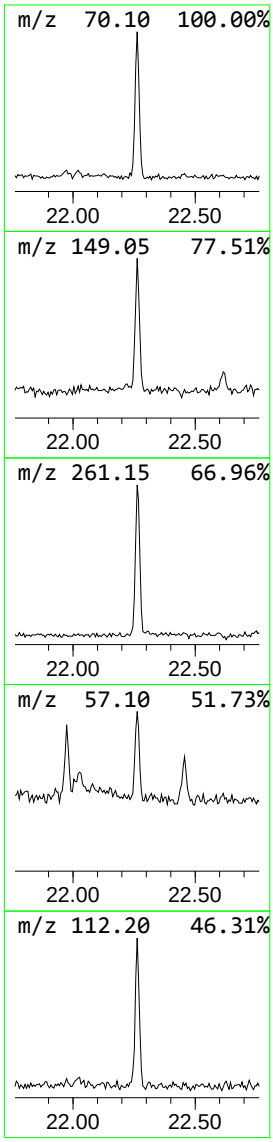
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,4-Benzenedicarboxylic aci... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.262	4.39 ng	145949	Chrysene-d12	21.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	74
2	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	58
3	Phthalic acid, cyclohexyl 3,5-di...	360	C20H18F2O4	1000315-61-1	27
4	Phthalic acid, di(2-propylpentyl...	390	C24H38O4	1000377-93-5	27
5	Isophthalic acid, octyl 2,4,5-tr...	456	C22H23Cl3O4	1010356-61-5	27





Sample Results: **BM042698.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042698.D
Acq On : 10 Nov 2023 19:10
Operator : MA/JU
Sample : 05252-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WASTE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Trifluralin	15.827	3.5	ng	132607	3	14.504	752528	20.0
1,3-Benzenediam...	18.033	16.8	ng	577686	4	17.257	689291	20.0
n-Hexadecanoic ...	18.110	5.3	ng	181461	4	17.257	689291	20.0
7-Hydroxyquinol...	19.315	2.1	ng	71542	4	17.257	689291	20.0
Nonadecanoic acid	19.392	2.7	ng	90554	5	21.439	665494	20.0
Phenol, 4,4'-(1...	19.704	2.7	ng	90770	5	21.439	665494	20.0
Bifenthrin	21.056	119.1	ng	3963730	5	21.439	665494	20.0
1,4-Benzenedica...	22.262	4.4	ng	145949	5	21.439	665494	20.0

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH
284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 12:02 15:51

LAB FILE ID: RRF2.5 = BF136023.D RRF005 = BF136024.D RRF010 = BF136025.D
RRF020 = BF136026.D RRF040 = BF136027.D RRF050 = BF136028.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.313	1.280	1.370	1.246	1.218	1.273	4.2
Benzaldehyde		1.055	0.974	0.974	0.861	0.787	0.884	13.2
Phenol-d6		1.668	1.574	1.704	1.565	1.504	1.586	4.6
Phenol		1.675	1.639	1.747	1.643	1.559	1.640	3.7
bis(2-Chloroethyl)ether		1.328	1.271	1.384	1.260	1.217	1.284	4.3
2-Chlorophenol		1.403	1.386	1.472	1.352	1.290	1.361	4.8
2-Methylphenol		1.168	1.154	1.220	1.136	1.105	1.154	3.1
2,2-oxybis(1-Chloropropane)		1.827	1.781	1.892	1.746	1.689	1.767	4.1
Acetophenone		0.492	0.465	0.485	0.442	0.408	0.443	8.5
3+4-Methylphenols		1.563	1.482	1.565	1.389	1.302	1.408	9.2
n-Nitroso-di-n-propylamine	0.944	0.959	0.915	0.961	0.878	0.846	0.906	5.0
Nitrobenzene-d5		0.315	0.314	0.355	0.340	0.322	0.332	4.6
Hexachloroethane		0.512	0.491	0.533	0.495	0.479	0.499	3.6
Nitrobenzene		0.322	0.318	0.360	0.343	0.329	0.336	4.3
Isophorone		0.627	0.612	0.657	0.622	0.601	0.626	3.0
2-Nitrophenol		0.114	0.129	0.161	0.166	0.159	0.153	14.8
2,4-Dimethylphenol		0.286	0.284	0.309	0.295	0.276	0.289	3.6
bis(2-Chloroethoxy)methane		0.390	0.384	0.412	0.385	0.365	0.384	3.9
2,4-Dichlorophenol		0.265	0.261	0.295	0.280	0.263	0.273	4.3
Naphthalene		1.022	0.975	1.047	0.966	0.914	0.964	5.8
4-Chloroaniline		0.436	0.418	0.454	0.425	0.403	0.422	4.2
Hexachlorobutadiene		0.174	0.166	0.185	0.173	0.163	0.171	4.4
Caprolactam		0.082	0.081	0.094	0.091	0.088	0.089	6.1
4-Chloro-3-methylphenol		0.287	0.279	0.304	0.291	0.275	0.286	3.3
2-Methylnaphthalene		0.693	0.654	0.703	0.651	0.610	0.647	6.3
Hexachlorocyclopentadiene		0.261	0.270	0.321	0.321	0.308	0.305	9.1
2,4,6-Trichlorophenol		0.362	0.360	0.392	0.385	0.363	0.372	3.4
2-Fluorobiphenyl		1.441	1.357	1.398	1.228	1.142	1.255	11.4
2,4,5-Trichlorophenol		0.418	0.413	0.463	0.439	0.416	0.431	4.1
1,1-Biphenyl		1.633	1.575	1.645	1.537	1.431	1.525	6.4
2-Chloronaphthalene		1.163	1.145	1.202	1.136	1.064	1.124	4.6
2-Nitroaniline		0.267	0.292	0.352	0.358	0.342	0.333	11.3
Dimethylphthalate		1.372	1.318	1.402	1.330	1.247	1.319	4.2
Acenaphthylene		1.801	1.790	1.886	1.777	1.669	1.753	4.7
2,6-Dinitrotoluene		0.239	0.256	0.293	0.300	0.284	0.282	9.0
3-Nitroaniline		0.283	0.301	0.349	0.344	0.326	0.329	8.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 12:02 15:51

LAB FILE ID: RRF2.5 = BF136023.D RRF005 = BF136024.D RRF010 = BF136025.D
RRF020 = BF136026.D RRF040 = BF136027.D RRF050 = BF136028.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.177	1.160	1.194	1.131	1.050	1.115	6.0
2,4-Dinitrophenol			0.071	0.103	0.129	0.133	0.123	25.7
4-Nitrophenol		0.193	0.217	0.251	0.264	0.252	0.246	12.5
Dibenzofuran		1.719	1.677	1.760	1.642	1.522	1.625	6.1
2,4-Dinitrotoluene		0.275	0.323	0.377	0.386	0.373	0.357	11.9
Diethylphthalate		1.287	1.258	1.335	1.290	1.206	1.260	3.7
4-Chlorophenyl-phenylether		0.684	0.645	0.663	0.602	0.554	0.607	9.3
Fluorene		1.337	1.277	1.338	1.214	1.130	1.217	8.4
4-Nitroaniline		0.264	0.286	0.330	0.338	0.325	0.317	9.5
4,6-Dinitro-2-methylphenol			0.062	0.090	0.109	0.104	0.099	20.7
n-Nitrosodiphenylamine		0.625	0.608	0.642	0.624	0.565	0.603	4.8
2,4,6-Tribromophenol		0.200	0.213	0.227	0.222	0.208	0.213	4.2
4-Bromophenyl-phenylether		0.207	0.204	0.222	0.220	0.199	0.210	4.0
Hexachlorobenzene		0.226	0.218	0.235	0.235	0.211	0.224	3.9
Atrazine		0.176	0.173	0.180	0.165	0.152	0.164	7.8
Pentachlorophenol		0.118	0.130	0.151	0.156	0.147	0.144	10.0
Phenanthrene		1.079	1.031	1.083	1.038	0.935	1.007	6.6
Anthracene		1.082	1.057	1.122	1.062	0.958	1.032	6.3
Carbazole		0.919	0.904	0.960	0.937	0.845	0.897	5.0
Di-n-butylphthalate		1.042	1.033	1.110	1.065	0.967	1.025	5.2
Fluoranthene		1.089	1.049	1.126	1.079	0.973	1.035	6.6
Pyrene		1.608	1.562	1.770	1.894	1.680	1.763	8.7
Terphenyl-d14		1.271	1.226	1.341	1.365	1.197	1.287	4.7
Butylbenzylphthalate		0.535	0.542	0.636	0.676	0.641	0.631	10.8
3,3-Dichlorobenzidine		0.375	0.392	0.439	0.453	0.426	0.423	6.9
Benzo(a)anthracene		1.290	1.276	1.400	1.389	1.267	1.324	4.0
Chrysene		1.257	1.227	1.368	1.361	1.270	1.304	4.3
Bis(2-ethylhexyl)phthalate		0.665	0.675	0.774	0.784	0.732	0.735	6.4
Di-n-octyl phthalate		0.928	0.972	1.105	1.154	1.143	1.102	10.3
Benzo(b)fluoranthene		1.182	1.139	1.330	1.169	1.173	1.183	5.6
Benzo(k)fluoranthene		1.192	1.232	1.254	1.176	1.123	1.171	5.1
Benzo(a)pyrene		1.063	1.040	1.155	1.118	1.085	1.100	3.6
Indeno(1,2,3-cd)pyrene		1.052	1.058	1.300	1.444	1.336	1.307	14.2
Dibenzo(a,h)anthracene		0.856	0.871	1.085	1.184	1.097	1.071	13.9
Benzo(g,h,i)perylene		0.885	0.870	1.096	1.235	1.139	1.105	15.1
1,2,4,5-Tetrachlorobenzene		0.595	0.574	0.612	0.577	0.540	0.570	4.8

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 12:02 15:51

LAB FILE ID: RRF2.5 = BF136023.D RRF005 = BF136024.D RRF010 = BF136025.D
RRF020 = BF136026.D RRF040 = BF136027.D RRF050 = BF136028.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.541	0.518	0.583	0.551	0.547	0.554	4.0
2,3,4,6-Tetrachlorophenol		0.343	0.336	0.356	0.351	0.333	0.342	2.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 01:13:02 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136023.D 5 =BF136024.D 10 =BF136025.D 20 =BF136026.D 40 =BF136027.D 50 =BF136028.D 60 =BF136029.D 80 =BF1360
30.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.541	0.518	0.583	0.551	0.547	0.565	0.574	0.554	3.97
3)		Pyridine		1.476	1.427	1.591	1.496	1.493	1.538	1.568	1.513	3.74
4)		n-Nitrosodimet...		0.594	0.613	0.651	0.628	0.628	0.649	0.663	0.632	3.78
5)	S	2-Fluorophenol		1.313	1.280	1.370	1.246	1.218	1.247	1.235	1.273	4.16
6)		Aniline		2.103	2.052	2.203	2.019	1.957	2.021	2.016	2.053	3.88
7)	S	Phenol-d6		1.668	1.574	1.704	1.565	1.504	1.542	1.543	1.586	4.59
8)		2-Chlorophenol		1.403	1.386	1.472	1.352	1.290	1.324	1.298	1.361	4.77
9)		Benzaldehyde		1.055	0.974	0.974	0.861	0.787	0.778	0.760	0.884	13.23
10)	C	Phenol		1.675	1.639	1.747	1.643	1.559	1.622	1.595	1.640	3.65
11)		bis(2-Chloroet...		1.328	1.271	1.384	1.260	1.217	1.269	1.259	1.284	4.27
12)		1,3-Dichlorobe...		1.531	1.394	1.521	1.380	1.334	1.380	1.375	1.416	5.46
13)	C	1,4-Dichlorobe...		1.490	1.435	1.522	1.398	1.343	1.376	1.371	1.419	4.66
14)		1,2-Dichlorobe...		1.398	1.373	1.450	1.307	1.251	1.276	1.234	1.327	6.12
15)		Benzyl Alcohol		1.140	1.147	1.232	1.123	1.081	1.089	1.059	1.124	5.11
16)		2,2'-oxybis(1-...		1.827	1.781	1.892	1.746	1.689	1.717	1.719	1.767	4.05
17)		2-Methylphenol		1.168	1.154	1.220	1.136	1.105	1.143	1.154	1.154	3.06
18)		Hexachloroethane		0.512	0.491	0.533	0.495	0.479	0.492	0.490	0.499	3.59
19)	P	n-Nitroso-di-n...	0.944	0.959	0.915	0.961	0.878	0.846	0.865	0.879	0.906	4.97
20)		3+4-Methylphenols		1.563	1.482	1.565	1.389	1.302	1.301	1.252	1.408	9.23
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.492	0.465	0.485	0.442	0.408	0.412	0.401	0.443	8.52
23)	S	Nitrobenzene-d5		0.315	0.314	0.355	0.340	0.322	0.338	0.338	0.332	4.60
24)		Nitrobenzene		0.322	0.318	0.360	0.343	0.329	0.340	0.337	0.336	4.26
25)		Isophorone		0.627	0.612	0.657	0.622	0.601	0.621	0.644	0.626	3.02
26)	C	2-Nitrophenol		0.114	0.129	0.161	0.166	0.159	0.170	0.173	0.153	14.83
27)		2,4-Dimethylph...		0.286	0.284	0.309	0.295	0.276	0.287	0.288	0.289	3.56
28)		bis(2-Chloroet...		0.390	0.384	0.412	0.385	0.365	0.371	0.379	0.384	3.89
29)	C	2,4-Dichloroph...		0.265	0.261	0.295	0.280	0.263	0.274	0.271	0.273	4.30
30)		1,2,4-Trichlor...		0.306	0.296	0.320	0.300	0.283	0.290	0.288	0.298	4.23
31)		Naphthalene		1.022	0.975	1.047	0.966	0.914	0.928	0.899	0.964	5.76
32)		Benzoic acid			0.153	0.194	0.224	0.222	0.237	0.247	0.213	16.08
33)		4-Chloroaniline		0.436	0.418	0.454	0.425	0.403	0.413	0.408	0.422	4.20
34)	C	Hexachlorobuta...		0.174	0.166	0.185	0.173	0.163	0.166	0.166	0.171	4.38
35)		Caprolactam		0.082	0.081	0.094	0.091	0.088	0.091	0.094	0.089	6.10
36)	C	4-Chloro-3-met...		0.287	0.279	0.304	0.291	0.275	0.283	0.285	0.286	3.28
37)		2-Methylnaphth...		0.693	0.654	0.703	0.651	0.610	0.613	0.602	0.647	6.28
38)		1-Methylnaphth...		0.643	0.611	0.653	0.608	0.559	0.575	0.563	0.602	6.26

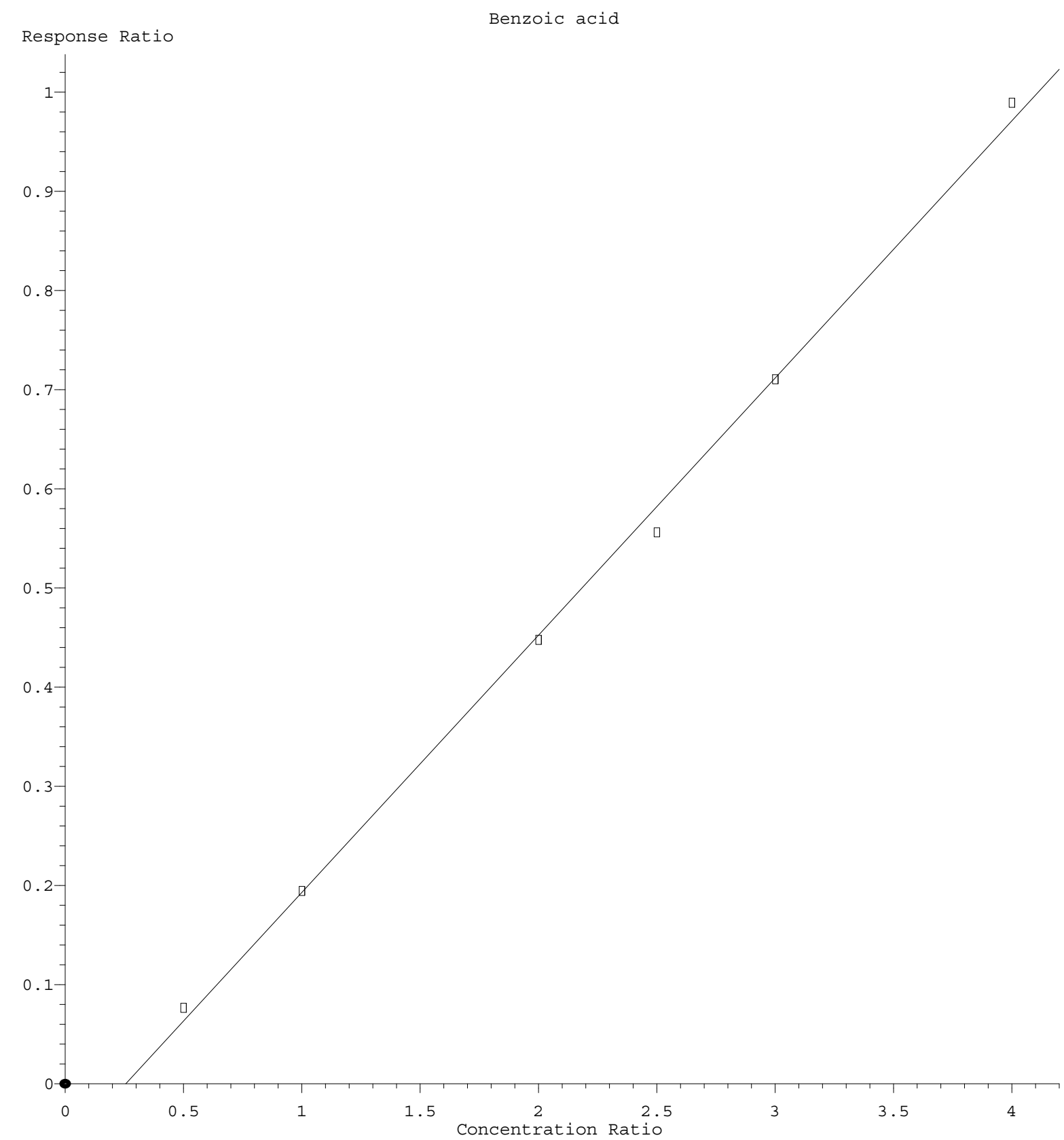
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.595	0.574	0.612	0.577	0.540	0.547	0.548	0.570	4.75
41)	P	Hexachlorocycl...	0.261	0.270	0.321	0.321	0.308	0.321	0.330	0.305	9.06
42)	S	2,4,6-Tribromo...	0.200	0.213	0.227	0.222	0.208	0.213	0.212	0.213	4.19
43)	C	2,4,6-Trichlor...	0.362	0.360	0.392	0.385	0.363	0.366	0.376	0.372	3.43
44)		2,4,5-Trichlor...	0.418	0.413	0.463	0.439	0.416	0.431	0.435	0.431	4.09
45)	S	2-Fluorobiphenyl	1.441	1.357	1.398	1.228	1.142	1.122	1.095	1.255	11.37
46)		1,1'-Biphenyl	1.633	1.575	1.645	1.537	1.431	1.437	1.415	1.525	6.42
47)		2-Chloronaphth...	1.163	1.145	1.202	1.136	1.064	1.074	1.083	1.124	4.61
48)		2-Nitroaniline	0.267	0.292	0.352	0.358	0.342	0.351	0.366	0.333	11.28
49)		Acenaphthylene	1.801	1.790	1.886	1.777	1.669	1.678	1.671	1.753	4.73
50)		Dimethylphthalate	1.372	1.318	1.402	1.330	1.247	1.268	1.298	1.319	4.17
51)		2,6-Dinitrotol...	0.239	0.256	0.293	0.300	0.284	0.295	0.308	0.282	8.95
52)	C	Acenaphthene	1.177	1.160	1.194	1.131	1.050	1.041	1.049	1.115	5.95
53)		3-Nitroaniline	0.283	0.301	0.349	0.344	0.326	0.344	0.358	0.329	8.36
54)	P	2,4-Dinitrophenol		0.071	0.103	0.129	0.133	0.147	0.158	0.123	25.71
55)		Dibenzofuran	1.719	1.677	1.760	1.642	1.522	1.527	1.529	1.625	6.13
56)	P	4-Nitrophenol	0.193	0.217	0.251	0.264	0.252	0.268	0.279	0.246	12.46
57)		2,4-Dinitrotol...	0.275	0.323	0.377	0.386	0.373	0.382	0.383	0.357	11.86
58)		Fluorene	1.337	1.277	1.338	1.214	1.130	1.129	1.093	1.217	8.44
59)		2,3,4,6-Tetrac...	0.343	0.336	0.356	0.351	0.333	0.336	0.341	0.342	2.47
60)		Diethylphthalate	1.287	1.258	1.335	1.290	1.206	1.217	1.231	1.260	3.66
61)		4-Chlorophenyl...	0.684	0.645	0.663	0.602	0.554	0.556	0.549	0.607	9.31
62)		4-Nitroaniline	0.264	0.286	0.330	0.338	0.325	0.329	0.346	0.317	9.50
63)		Azobenzene	1.249	1.211	1.308	1.231	1.154	1.167	1.178	1.214	4.43
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.062	0.090	0.109	0.104	0.112	0.118	0.099	20.71
66)	c	n-Nitrosodiphe...	0.625	0.608	0.642	0.624	0.565	0.583	0.576	0.603	4.79
67)		4-Bromophenyl-...	0.207	0.204	0.222	0.220	0.199	0.206	0.209	0.210	4.02
68)		Hexachlorobenzene	0.226	0.218	0.235	0.235	0.211	0.221	0.222	0.224	3.94
69)		Atrazine	0.176	0.173	0.180	0.165	0.152	0.157	0.146	0.164	7.77
70)	C	Pentachlorophenol	0.118	0.130	0.151	0.156	0.147	0.152	0.153	0.144	9.97
71)		Phenanthrene	1.079	1.031	1.083	1.038	0.935	0.948	0.935	1.007	6.56
72)		Anthracene	1.082	1.057	1.122	1.062	0.958	0.986	0.958	1.032	6.28
73)		Carbazole	0.919	0.904	0.960	0.937	0.845	0.858	0.854	0.897	5.02
74)		Di-n-butylphth...	1.042	1.033	1.110	1.065	0.967	0.982	0.974	1.025	5.20
75)	C	Fluoranthene	1.089	1.049	1.126	1.079	0.973	0.977	0.949	1.035	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.482	0.296	0.408	0.467	0.324	0.367	0.385	0.390	17.64
78)		Pyrene	1.608	1.562	1.770	1.894	1.680	1.865	1.966	1.763	8.67
79)	S	Terphenyl-d14	1.271	1.226	1.341	1.365	1.197	1.299	1.310	1.287	4.66
80)		Butylbenzylpht...	0.535	0.542	0.636	0.676	0.641	0.683	0.705	0.631	10.75
81)		Benzo(a)anthra...	1.290	1.276	1.400	1.389	1.267	1.307	1.340	1.324	4.05
82)		3,3'-Dichlorob...	0.375	0.392	0.439	0.453	0.426	0.426	0.448	0.423	6.89
83)		Chrysene	1.257	1.227	1.368	1.361	1.270	1.293	1.352	1.304	4.32
84)		Bis(2-ethylhex...	0.665	0.675	0.774	0.784	0.732	0.754	0.763	0.735	6.44
85)	c	Di-n-octyl pht...	0.928	0.972	1.105	1.154	1.143	1.158	1.250	1.102	10.26

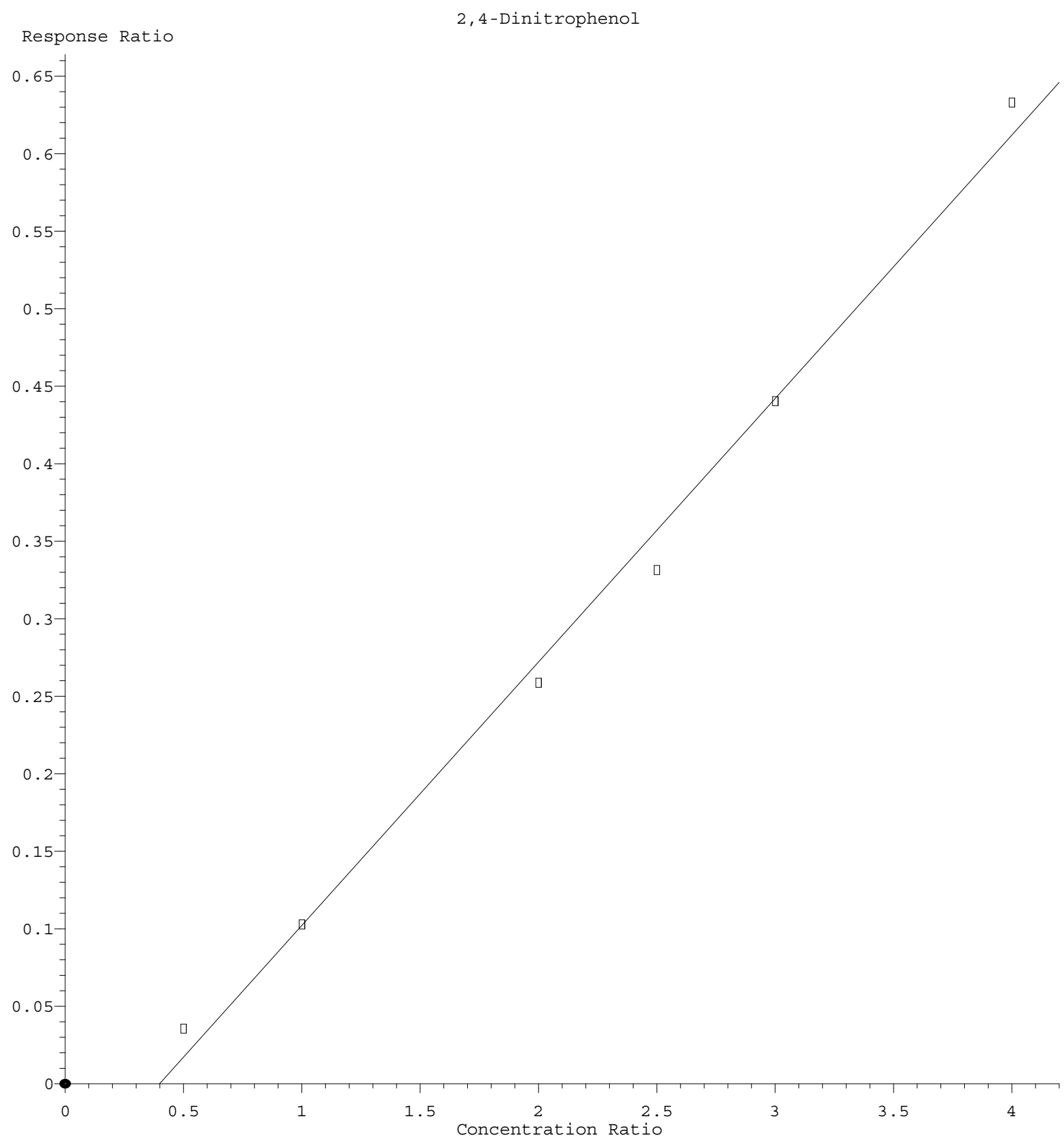
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF103023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.052	1.058	1.300	1.444	1.336	1.458	1.502	1.307	14.21
88)		Benzo(b)fluora...	1.182	1.139	1.330	1.169	1.173	1.142	1.149	1.183	5.64
89)		Benzo(k)fluora...	1.192	1.232	1.254	1.176	1.123	1.095	1.125	1.171	5.10
90)	C	Benzo(a)pyrene	1.063	1.040	1.155	1.118	1.085	1.105	1.131	1.100	3.62
91)		Dibenzo(a,h)an...	0.856	0.871	1.085	1.184	1.097	1.184	1.217	1.071	13.93
92)		Benzo(g,h,i)pe...	0.885	0.870	1.096	1.235	1.139	1.235	1.275	1.105	15.14

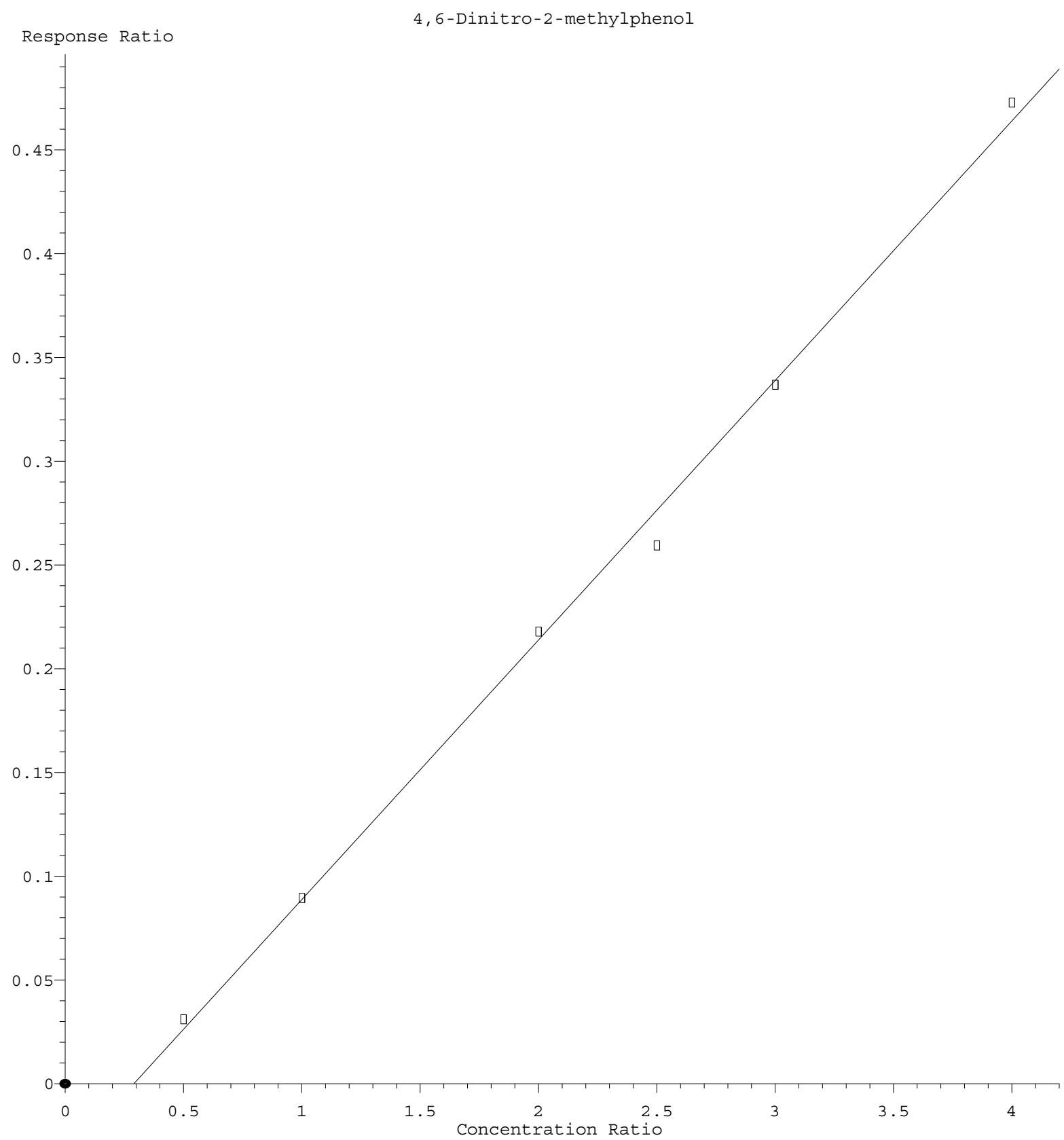
(#) = Out of Range



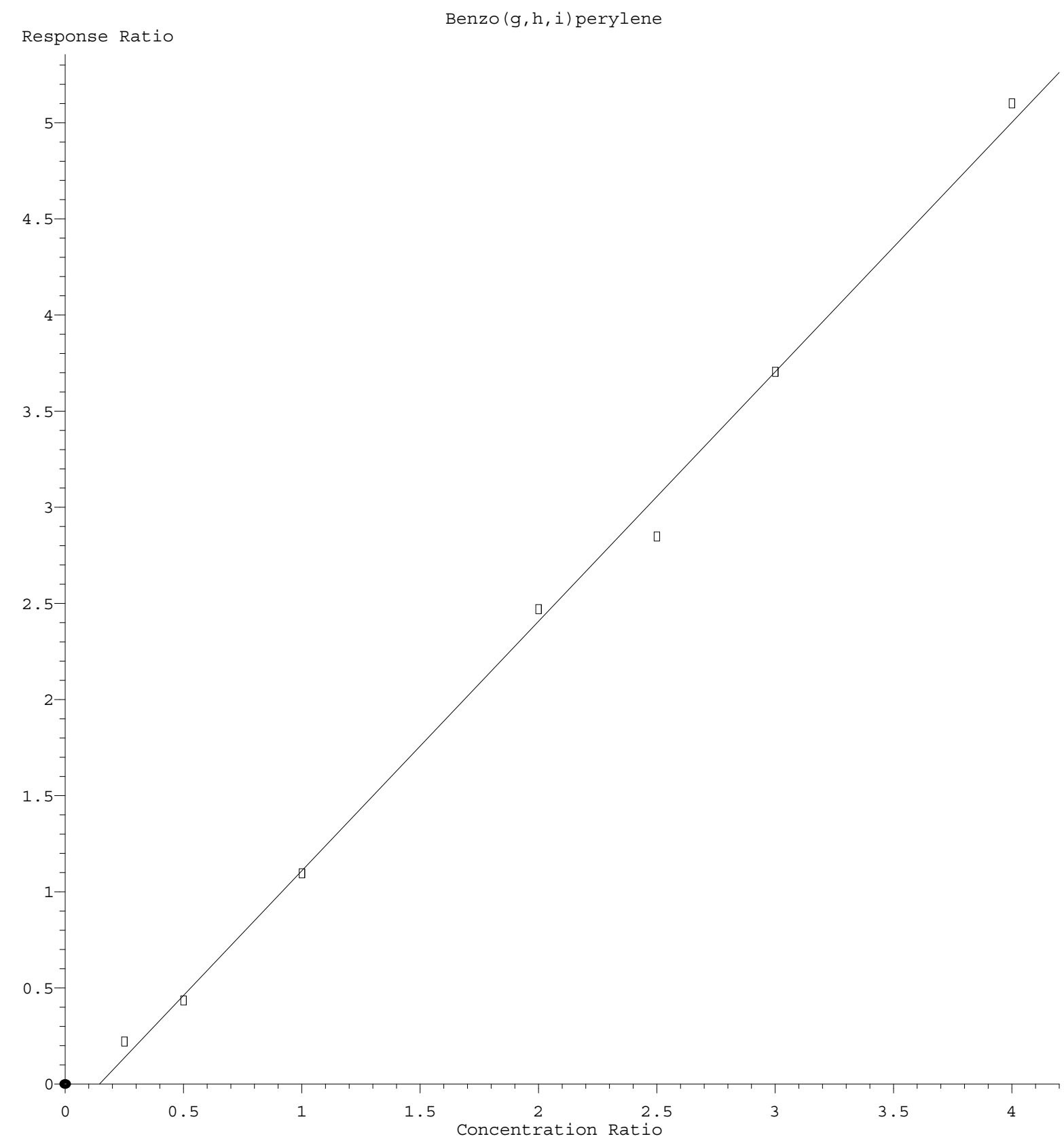
Response = 2.594e-001 * Amt - 6.634e-002
Coef of Det (r^2) = 0.997858 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF103023.M
Calibration Table Last Updated: Tue Oct 31 01:13:02 2023



Response = 1.699e-001 * Amt - 6.775e-002
Coef of Det (r^2) = 0.993305 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF103023.M
Calibration Table Last Updated: Tue Oct 31 01:13:02 2023



Response = 1.250e-001 * Amt - 3.618e-002
Coef of Det (r^2) = 0.996843 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF103023.M
Calibration Table Last Updated: Tue Oct 31 01:13:02 2023



Response = 1.297e+000 * Amt - 1.878e-001
Coef of Det (r^2) = 0.996651 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF103023.M
Calibration Table Last Updated: Tue Oct 31 01:13:02 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136023.D
Acq On : 30 Oct 2023 12:02
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 30 14:47:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 14:45:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	178936	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	738054	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	385713	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	713537	20.000	ng	0.00
76) Chrysene-d12	14.010	240	509058	20.000	ng	0.00
86) Perylene-d12	15.492	264	404427	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...	7.222	70	21117	2.585	ng	95

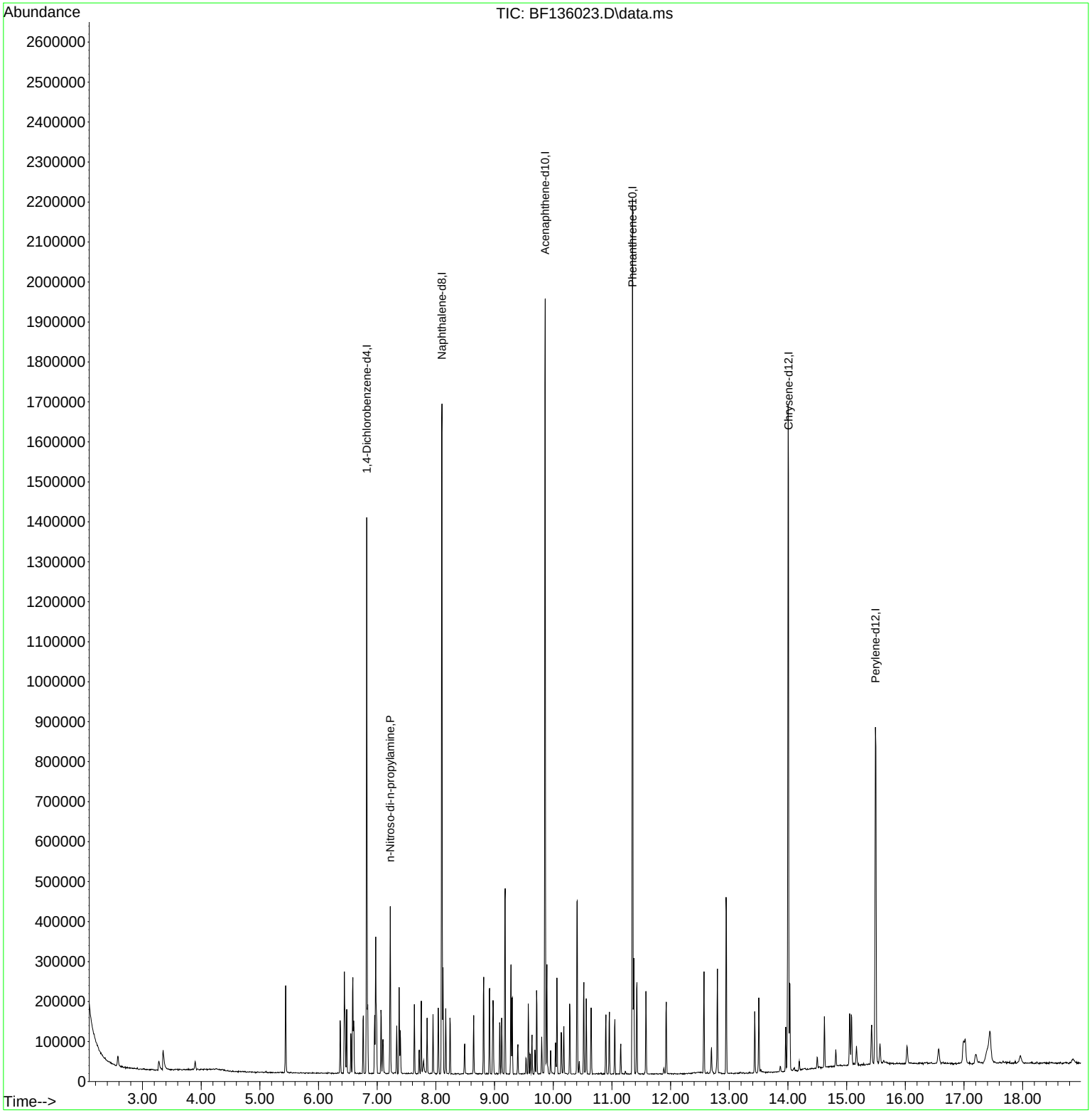
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136023.D
Acq On : 30 Oct 2023 12:02
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 30 14:47:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 14:45:57 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136024.D
Acq On : 30 Oct 2023 12:32
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 17:08:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:07:20 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	171458	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	702425	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	365100	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	679933	20.000	ng		0.00
76) Chrysene-d12	14.010	240	478185	20.000	ng		0.00
86) Perylene-d12	15.498	264	371234	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	112575	10.317	ng		-0.01
7) Phenol-d6	6.440	99	143004	10.519	ng		-0.02
23) Nitrobenzene-d5	7.375	82	110588	9.491	ng		-0.02
42) 2,4,6-Tribromophenol	10.645	330	36465	9.357	ng		-0.01
45) 2-Fluorobiphenyl	9.181	172	262994	11.483	ng		0.00
79) Terphenyl-d14	12.951	244	303848	9.875	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.581	88	23181	4.879	ng		97
3) Pyridine	3.340	79	63283	4.880	ng	#	93
4) n-Nitrosodimethylamine	3.275	42	25471	4.698	ng	#	92
6) Aniline	6.481	93	90165	5.123	ng		99
8) 2-Chlorophenol	6.604	128	60123	5.154	ng		97
9) Benzaldehyde	6.369	77	45238	5.968	ng		96
10) Phenol	6.457	94	71802m	5.106	ng		
11) bis(2-Chloroethyl)ether	6.557	93	56915	5.170	ng		99
12) 1,3-Dichlorobenzene	6.763	146	65621	5.405	ng		97
13) 1,4-Dichlorobenzene	6.839	146	63853	5.248	ng		98
14) 1,2-Dichlorobenzene	6.992	146	59906	5.265	ng		99
15) Benzyl Alcohol	6.957	79	48876	5.070	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	78321	5.169	ng		99
17) 2-Methylphenol	7.069	107	50071	5.060	ng		97
18) Hexachloroethane	7.334	117	21955	5.134	ng		96
19) n-Nitroso-di-n-propyla...	7.228	70	41115	5.293	ng		99
20) 3+4-Methylphenols	7.222	107	66976	5.550	ng		94
22) Acetophenone	7.228	105	86336	5.543	ng		98
24) Nitrobenzene	7.398	77	56539	4.797	ng		95
25) Isophorone	7.634	82	110052	5.003	ng		98
26) 2-Nitrophenol	7.716	139	19933	3.707	ng		98
27) 2,4-Dimethylphenol	7.751	122	50213	4.941	ng		96
28) bis(2-Chloroethoxy)met...	7.851	93	68513	5.083	ng		99
29) 2,4-Dichlorophenol	7.951	162	46568	4.861	ng		96
30) 1,2,4-Trichlorobenzene	8.045	180	53793	5.147	ng		97
31) Naphthalene	8.122	128	179446	5.298	ng		100
33) 4-Chloroaniline	8.169	127	76599	5.164	ng		97
34) Hexachlorobutadiene	8.245	225	30533	5.095	ng		98
35) Caprolactam	8.498	113	14383	4.617	ng	#	83
36) 4-Chloro-3-methylphenol	8.645	107	50340	5.005	ng		97
37) 2-Methylnaphthalene	8.816	142	121629	5.355	ng		98
38) 1-Methylnaphthalene	8.916	142	112958	5.344	ng		98
40) 1,2,4,5-Tetrachloroben...	8.981	216	54268	5.212	ng		100
41) Hexachlorocyclopentadiene	8.969	237	23858	4.289	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	32998	4.861	ng		100
44) 2,4,5-Trichlorophenol	9.128	196	38163	4.853	ng		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136024.D
Acq On : 30 Oct 2023 12:32
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 17:08:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:07:20 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	9.281	154	149012	5.354	ng		99
47)	2-Chloronaphthalene	9.304	162	106191	5.176	ng		99
48)	2-Nitroaniline	9.398	65	24395	4.018	ng		97
49)	Acenaphthylene	9.722	152	164363	5.135	ng		99
50)	Dimethylphthalate	9.580	163	125267	5.202	ng		99
51)	2,6-Dinitrotoluene	9.639	165	21843	4.241	ng		98
52)	Acenaphthene	9.892	154	107475	5.299	ng		99
53)	3-Nitroaniline	9.804	138	25873	4.305	ng	#	87
55)	Dibenzofuran	10.063	168	156915	5.289	ng		99
56)	4-Nitrophenol	9.957	139	17611	3.917	ng		84
57)	2,4-Dinitrotoluene	10.039	165	25061	3.846	ng		87
58)	Fluorene	10.410	166	122060	5.495	ng		97
59)	2,3,4,6-Tetrachlorophenol	10.180	232	31350	5.014	ng		97
60)	Diethylphthalate	10.286	149	117447	5.104	ng		99
61)	4-Chlorophenyl-phenyle...	10.404	204	62393	5.627	ng		98
62)	4-Nitroaniline	10.416	138	24133	4.170	ng		97
63)	Azobenzene	10.563	77	113970	5.143	ng		99
66)	n-Nitrosodiphenylamine	10.522	169	106323	5.184	ng		98
67)	4-Bromophenyl-phenylether	10.898	248	35123	4.927	ng		95
68)	Hexachlorobenzene	10.957	284	38501	5.057	ng		96
69)	Atrazine	11.051	200	29874	5.353	ng		100
70)	Pentachlorophenol	11.151	266	19995	4.089	ng		97
71)	Phenanthrene	11.374	178	183421	5.358	ng		99
72)	Anthracene	11.427	178	183893	5.242	ng		99
73)	Carbazole	11.580	167	156208	5.124	ng		99
74)	Di-n-butylphthalate	11.927	149	177060	5.083	ng		99
75)	Fluoranthene	12.569	202	185048	5.262	ng		98
77)	Benzidine	12.698	184	57565	6.176	ng		98
78)	Pyrene	12.798	202	192200	4.559	ng		98
80)	Butylbenzylphthalate	13.439	149	63902	4.234	ng		88
81)	Benzo(a)anthracene	13.998	228	154214	4.871	ng		99
82)	3,3'-Dichlorobenzidine	13.963	252	44815	4.435	ng		98
83)	Chrysene	14.033	228	150274	4.820	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.004	149	79541	4.524	ng		99
85)	Di-n-octyl phthalate	14.621	149	110969	4.213	ng		100
87)	Indeno(1,2,3-cd)pyrene	16.992	276	97669	4.026	ng		99
88)	Benzo(b)fluoranthene	15.057	252	109714	4.995	ng		98
89)	Benzo(k)fluoranthene	15.086	252	110583	5.088	ng		97
90)	Benzo(a)pyrene	15.427	252	98645	4.833	ng		98
91)	Dibenzo(a,h)anthracene	17.021	278	79484	3.999	ng		99
92)	Benzo(g,h,i)perylene	17.445	276	82106	6.305	ng		99

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

ICAL Form

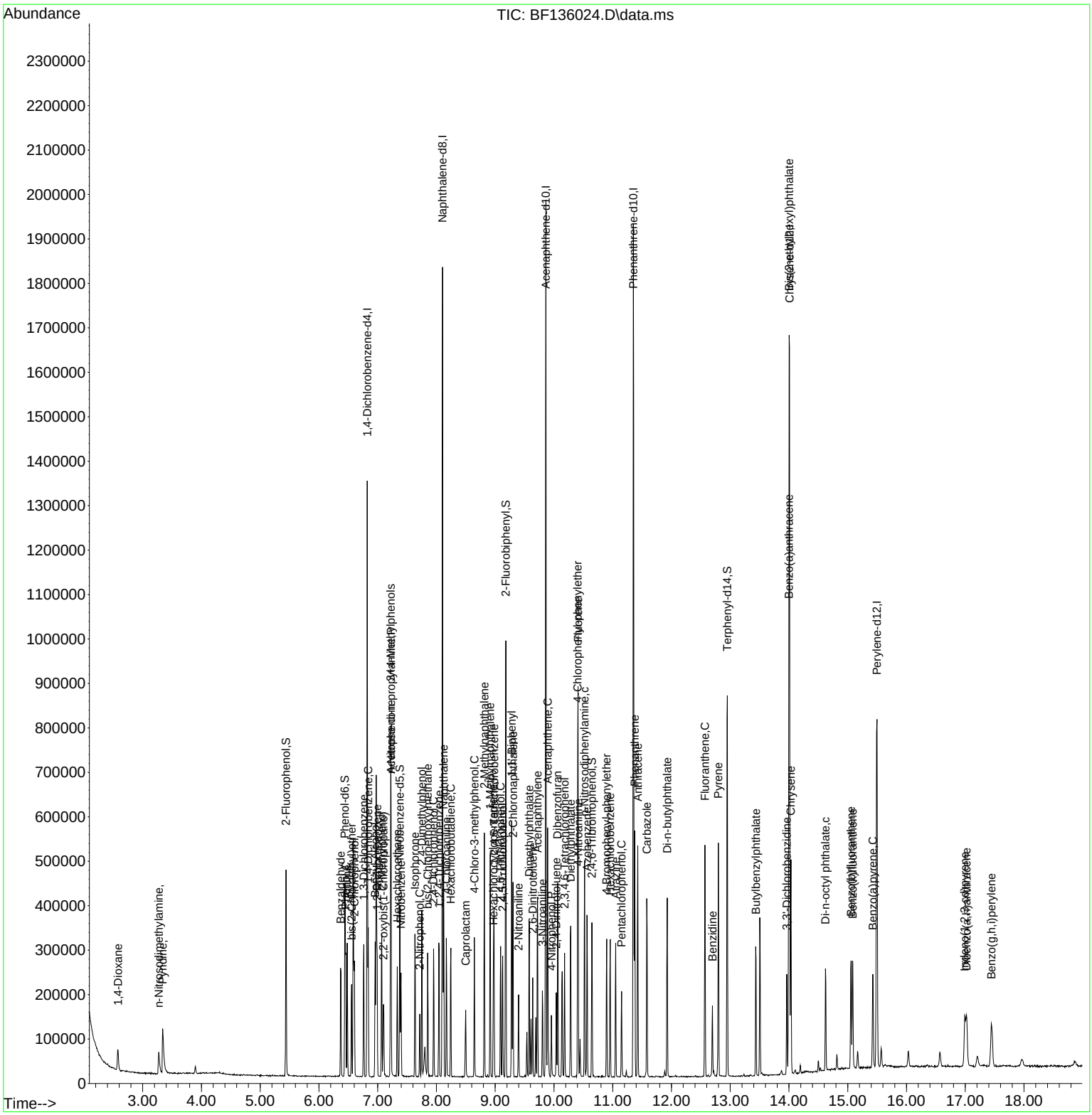
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136024.D
Acq On : 30 Oct 2023 12:32
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 17:08:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:07:20 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136025.D
Acq On : 30 Oct 2023 13:02
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 30 18:33:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	168138	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	688768	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	353454	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	661791	20.000	ng	0.00
76) Chrysene-d12	14.010	240	461982	20.000	ng	0.00
86) Perylene-d12	15.498	264	357893	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	215211	20.114	ng	-0.01
7) Phenol-d6	6.445	99	264613	19.849	ng	-0.01
23) Nitrobenzene-d5	7.381	82	216128	18.916	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	75138	19.916	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	479634	21.632	ng	0.00
79) Terphenyl-d14	12.951	244	566507	19.056	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.575	88	43558	9.349	ng	97
3) Pyridine	3.334	79	119957	9.433	ng	97
4) n-Nitrosodimethylamine	3.275	42	51576	9.700	ng	95
6) Aniline	6.481	93	172534	9.996	ng	99
8) 2-Chlorophenol	6.604	128	116545	10.188	ng	97
9) Benzaldehyde	6.375	77	81896	11.017	ng	99
10) Phenol	6.457	94	137812	9.994	ng	99
11) bis(2-Chloroethyl)ether	6.557	93	106846	9.898	ng	99
12) 1,3-Dichlorobenzene	6.763	146	117202	9.844	ng	98
13) 1,4-Dichlorobenzene	6.840	146	120648	10.111	ng	99
14) 1,2-Dichlorobenzene	6.992	146	115449	10.348	ng	99
15) Benzyl Alcohol	6.957	79	96397	10.198	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.098	45	149741	10.078	ng	98
17) 2-Methylphenol	7.069	107	97027	9.998	ng	99
18) Hexachloroethane	7.334	117	41302	9.849	ng	96
19) n-Nitroso-di-n-propyla...	7.228	70	76959	10.103	ng	96
20) 3+4-Methylphenols	7.222	107	124557	10.526	ng	94
22) Acetophenone	7.228	105	160079	10.481	ng	98
24) Nitrobenzene	7.398	77	109534	9.477	ng	97
25) Isophorone	7.634	82	210887	9.777	ng	97
26) 2-Nitrophenol	7.716	139	44462	8.432	ng	97
27) 2,4-Dimethylphenol	7.751	122	97976	9.833	ng	99
28) bis(2-Chloroethoxy)met...	7.851	93	132156	9.999	ng	98
29) 2,4-Dichlorophenol	7.951	162	90047	9.586	ng	94
30) 1,2,4-Trichlorobenzene	8.045	180	101931	9.947	ng	97
31) Naphthalene	8.122	128	335905	10.113	ng	100
32) Benzoic acid	7.822	122	52779	10.084	ng	99
33) 4-Chloroaniline	8.169	127	144049	9.903	ng	99
34) Hexachlorobutadiene	8.245	225	57287	9.748	ng	100
35) Caprolactam	8.510	113	27865	9.123	ng	88
36) 4-Chloro-3-methylphenol	8.645	107	96135	9.748	ng	99
37) 2-Methylnaphthalene	8.816	142	225389	10.121	ng	99
38) 1-Methylnaphthalene	8.916	142	210584	10.161	ng	99
40) 1,2,4,5-Tetrachloroben...	8.981	216	101525	10.072	ng	99
41) Hexachlorocyclopentadiene	8.969	237	47687	8.855	ng	97
43) 2,4,6-Trichlorophenol	9.092	196	63636	9.682	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136025.D
Acq On : 30 Oct 2023 13:02
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 30 18:33:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	72989	9.587	ng		99
46) 1,1'-Biphenyl	9.281	154	278390	10.332	ng		99
47) 2-Chloronaphthalene	9.304	162	202354	10.187	ng		98
48) 2-Nitroaniline	9.398	65	51648	8.786	ng		97
49) Acenaphthylene	9.722	152	316368	10.210	ng		99
50) Dimethylphthalate	9.581	163	232881	9.989	ng		100
51) 2,6-Dinitrotoluene	9.639	165	45178	9.060	ng	#	84
52) Acenaphthene	9.892	154	204980	10.440	ng		99
53) 3-Nitroaniline	9.810	138	53135	9.132	ng		97
54) 2,4-Dinitrophenol	9.910	184	12561	12.162	ng	#	83
55) Dibenzofuran	10.069	168	296404	10.319	ng		98
56) 4-Nitrophenol	9.957	139	38303	8.801	ng		85
57) 2,4-Dinitrotoluene	10.045	165	57093	9.049	ng	#	85
58) Fluorene	10.410	166	225665	10.493	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	59434	9.819	ng		98
60) Diethylphthalate	10.286	149	222267	9.978	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	113911	10.611	ng		98
62) 4-Nitroaniline	10.416	138	50495	9.013	ng		100
63) Azobenzene	10.563	77	213950	9.973	ng		98
65) 4,6-Dinitro-2-methylph...	10.445	198	20589	9.840	ng	#	65
66) n-Nitrosodiphenylamine	10.522	169	201320	10.084	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	67600	9.743	ng		94
68) Hexachlorobenzene	10.957	284	72247	9.749	ng	#	93
69) Atrazine	11.051	200	57351	10.558	ng		98
70) Pentachlorophenol	11.151	266	43070	9.050	ng		97
71) Phenanthrene	11.375	178	341049	10.235	ng		99
72) Anthracene	11.428	178	349675	10.241	ng		99
73) Carbazole	11.580	167	299273	10.086	ng		98
74) Di-n-butylphthalate	11.927	149	341782	10.081	ng		100
75) Fluoranthene	12.569	202	347264	10.145	ng		99
77) Benzidine	12.698	184	68345	7.590	ng		98
78) Pyrene	12.798	202	360693	8.856	ng		99
80) Butylbenzylphthalate	13.439	149	125164	8.585	ng		92
81) Benzo(a)anthracene	13.998	228	294820	9.640	ng		100
82) 3,3'-Dichlorobenzidine	13.963	252	90438	9.265	ng		98
83) Chrysene	14.033	228	283370	9.408	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	155979	9.183	ng	#	98
85) Di-n-octyl phthalate	14.621	149	224618	8.827	ng		100
87) Indeno(1,2,3-cd)pyrene	16.998	276	189339	8.095	ng		99
88) Benzo(b)fluoranthene	15.057	252	203827	9.625	ng		98
89) Benzo(k)fluoranthene	15.086	252	220551	10.526	ng		100
90) Benzo(a)pyrene	15.427	252	186081	9.457	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	155950	8.139	ng		98
92) Benzo(g,h,i)perylene	17.451	276	155630	9.599	ng		99

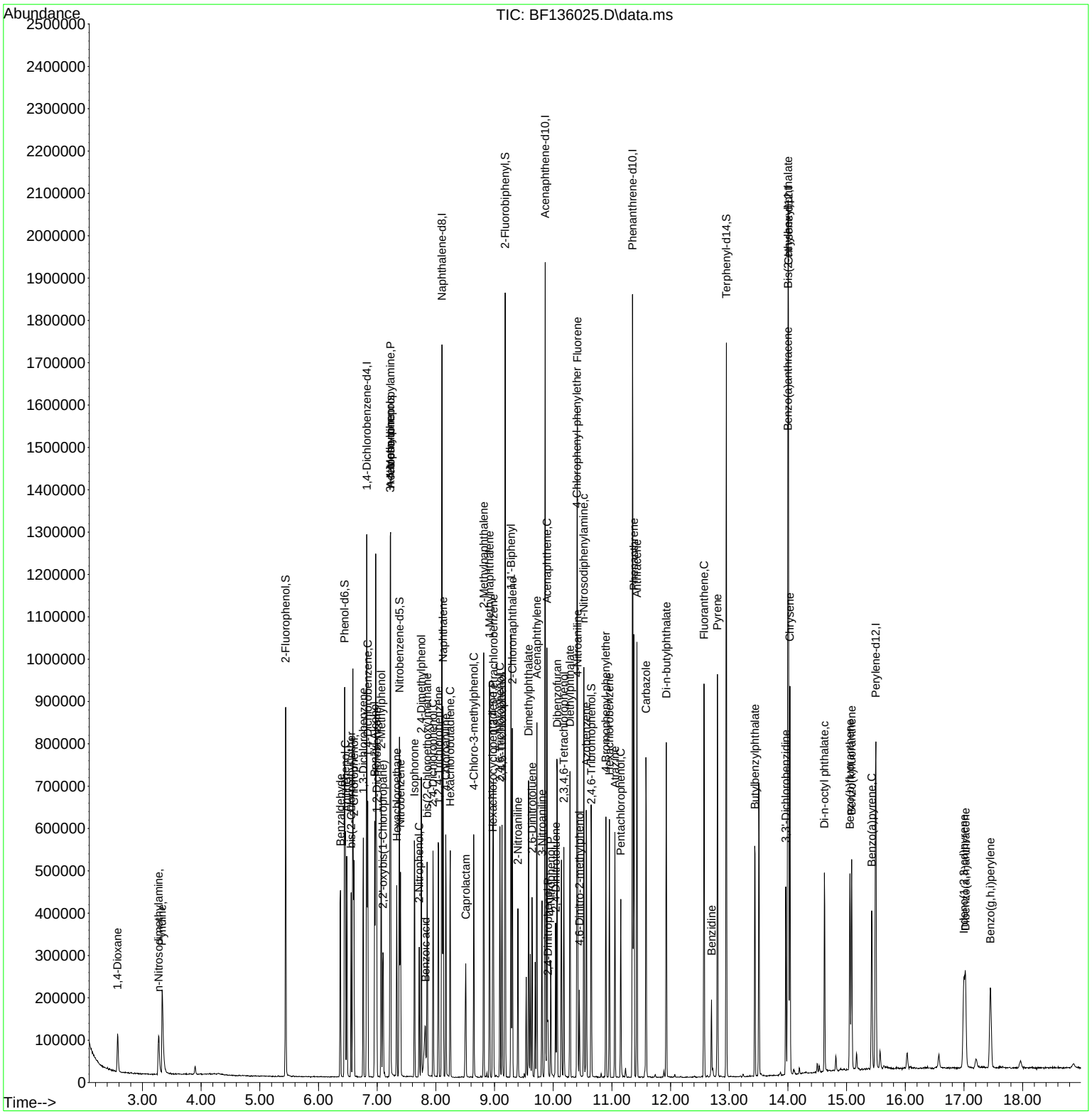
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136025.D
Acq On : 30 Oct 2023 13:02
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 30 18:33:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136026.D
Acq On : 30 Oct 2023 13:33
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:38:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	158727	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	637024	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	328804	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	613537	20.000	ng	#	0.00
76) Chrysene-d12	14.010	240	398024	20.000	ng	#	0.00
86) Perylene-d12	15.498	264	306701	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	434762	43.042	ng		0.00
7) Phenol-d6	6.451	99	540991	42.986	ng		0.00
23) Nitrobenzene-d5	7.387	82	452893	42.858	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	149450	42.583	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	919441	44.576	ng		0.00
79) Terphenyl-d14	12.951	244	1067523	41.680	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	92601	21.053	ng		98
3) Pyridine	3.334	79	252606	21.041	ng		99
4) n-Nitrosodimethylamine	3.287	42	103361	20.592	ng		97
6) Aniline	6.487	93	349735	21.464	ng		98
8) 2-Chlorophenol	6.604	128	233684	21.639	ng		99
9) Benzaldehyde	6.375	77	154608	22.032	ng		98
10) Phenol	6.463	94	277312m	21.302	ng		
11) bis(2-Chloroethyl)ether	6.563	93	219754	21.565	ng		98
12) 1,3-Dichlorobenzene	6.763	146	241408	21.478	ng		97
13) 1,4-Dichlorobenzene	6.840	146	241602	21.449	ng		98
14) 1,2-Dichlorobenzene	6.992	146	230166	21.853	ng		97
15) Benzyl Alcohol	6.963	79	195624	21.922	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	300316	21.410	ng		98
17) 2-Methylphenol	7.069	107	193707	21.144	ng		98
18) Hexachloroethane	7.334	117	84544	21.355	ng		98
19) n-Nitroso-di-n-propyla...	7.234	70	152582	21.219	ng		97
20) 3+4-Methylphenols	7.222	107	248439	22.239	ng	#	75
22) Acetophenone	7.228	105	309048	21.879	ng	#	90
24) Nitrobenzene	7.404	77	229503	21.471	ng		97
25) Isophorone	7.640	82	418429	20.974	ng		99
26) 2-Nitrophenol	7.716	139	102440	21.005	ng		96
27) 2,4-Dimethylphenol	7.757	122	196981	21.375	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	262209	21.451	ng		99
29) 2,4-Dichlorophenol	7.957	162	187793	21.616	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	203825	21.506	ng		99
31) Naphthalene	8.128	128	667215	21.720	ng		100
32) Benzoic acid	7.840	122	123843	19.323	ng		98
33) 4-Chloroaniline	8.175	127	289148	21.494	ng		97
34) Hexachlorobutadiene	8.245	225	117995	21.709	ng		99
35) Caprolactam	8.528	113	59837	21.182	ng		93
36) 4-Chloro-3-methylphenol	8.651	107	193682	21.235	ng		98
37) 2-Methylnaphthalene	8.816	142	448109	21.756	ng		99
38) 1-Methylnaphthalene	8.916	142	415778	21.691	ng		100
40) 1,2,4,5-Tetrachloroben...	8.981	216	201355	21.473	ng		99
41) Hexachlorocyclopentadiene	8.969	237	105656	21.090	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	128923	21.086	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136026.D
Acq On : 30 Oct 2023 13:33
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:38:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	152362	21.513	ng		96
46) 1,1'-Biphenyl	9.281	154	540834	21.577	ng		99
47) 2-Chloronaphthalene	9.304	162	395328	21.394	ng		99
48) 2-Nitroaniline	9.398	65	115679	21.154	ng		95
49) Acenaphthylene	9.722	152	620216	21.516	ng		99
50) Dimethylphthalate	9.586	163	461050	21.258	ng		100
51) 2,6-Dinitrotoluene	9.645	165	96271	20.754	ng		100
52) Acenaphthene	9.892	154	392496m	21.489	ng		
53) 3-Nitroaniline	9.810	138	114629	21.179	ng		92
54) 2,4-Dinitrophenol	9.916	184	33811	20.085	ng		96
55) Dibenzofuran	10.069	168	578823	21.662	ng		99
56) 4-Nitrophenol	9.963	139	82571	20.395	ng		88
57) 2,4-Dinitrotoluene	10.045	165	124116	21.148	ng		98
58) Fluorene	10.410	166	439924	21.989	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	117045	20.787	ng		99
60) Diethylphthalate	10.292	149	438815	21.176	ng		98
61) 4-Chlorophenyl-phenyle...	10.410	204	217927	21.822	ng		98
62) 4-Nitroaniline	10.422	138	108617	20.840	ng		98
63) Azobenzene	10.569	77	429984	21.545	ng		96
65) 4,6-Dinitro-2-methylph...	10.451	198	54913	19.370	ng		84
66) n-Nitrosodiphenylamine	10.522	169	393642	21.269	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	136316	21.192	ng		95
68) Hexachlorobenzene	10.957	284	144080	20.972	ng	#	92
69) Atrazine	11.057	200	110213	21.886	ng		99
70) Pentachlorophenol	11.151	266	92733	21.018	ng		98
71) Phenanthrene	11.375	178	664350	21.506	ng		99
72) Anthracene	11.428	178	688125	21.739	ng		99
73) Carbazole	11.586	167	588960	21.411	ng		100
74) Di-n-butylphthalate	11.927	149	681222	21.673	ng		100
75) Fluoranthene	12.569	202	690700	21.764	ng		99
77) Benzidine	12.698	184	162272	20.917	ng		98
78) Pyrene	12.804	202	704511	20.076	ng		99
80) Butylbenzylphthalate	13.439	149	253291	20.165	ng		95
81) Benzo(a)anthracene	13.998	228	557307	21.150	ng		99
82) 3,3'-Dichlorobenzidine	13.969	252	174772	20.781	ng	#	98
83) Chrysene	14.033	228	544444	20.980	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	307898	21.039	ng	#	97
85) Di-n-octyl phthalate	14.627	149	439696	20.056	ng		99
87) Indeno(1,2,3-cd)pyrene	17.004	276	398741	19.893	ng		99
88) Benzo(b)fluoranthene	15.057	252	407984	22.481	ng		99
89) Benzo(k)fluoranthene	15.086	252	384690	21.423	ng		99
90) Benzo(a)pyrene	15.433	252	354105	21.000	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	332795	20.268	ng		96
92) Benzo(g,h,i)perylene	17.462	276	336085	19.789	ng		99

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

ICAL Form

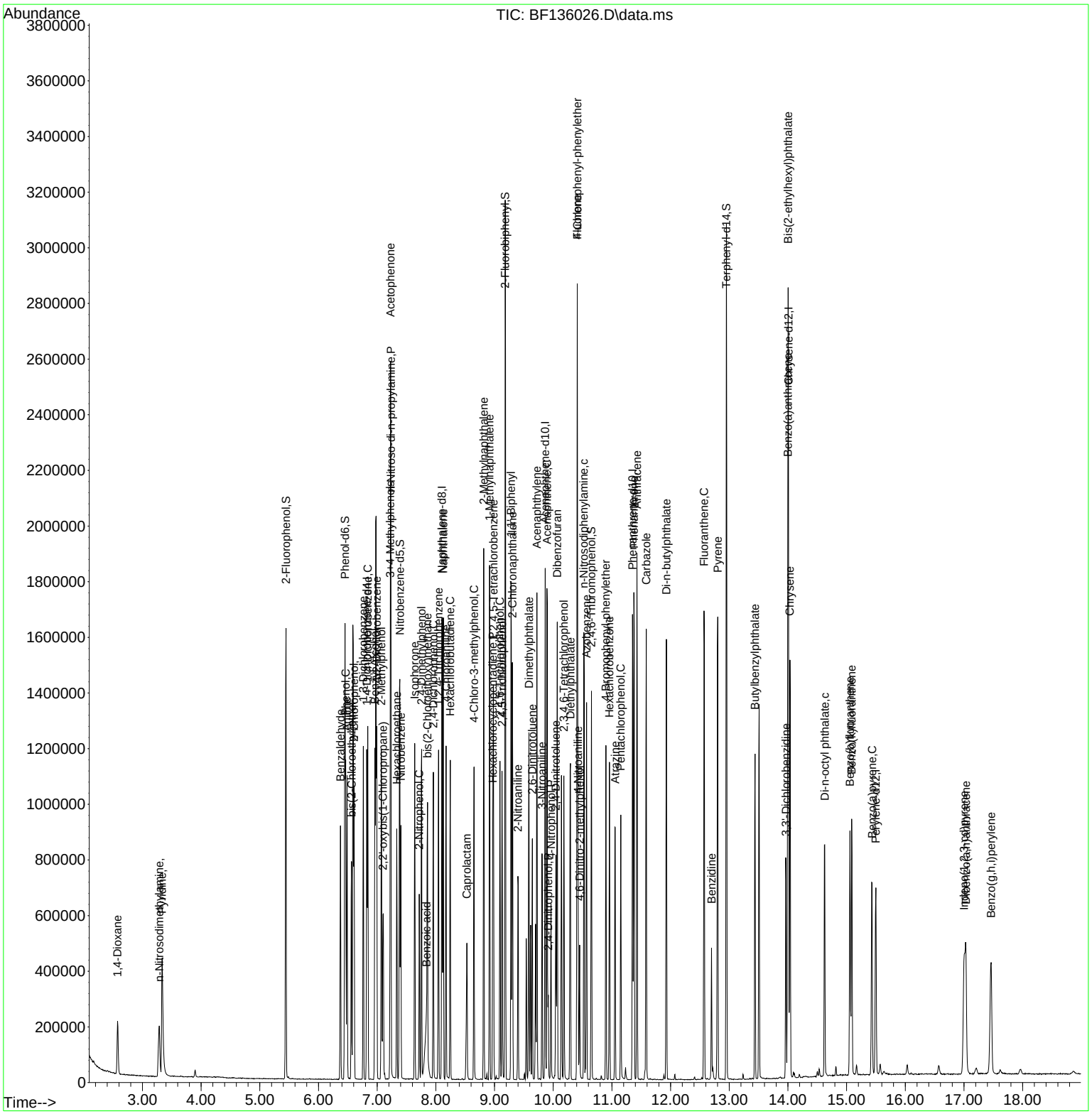
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136026.D
Acq On : 30 Oct 2023 13:33
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 18:38:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136027.D
Acq On : 30 Oct 2023 14:04
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:40:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	167767	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	650370	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	331255	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	600777	20.000	ng	0.00
76) Chrysene-d12	14.015	240	346443	20.000	ng	0.00
86) Perylene-d12	15.498	264	304729	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	836260	78.329	ng	0.00
7) Phenol-d6	6.457	99	1050176	78.949	ng	0.00
23) Nitrobenzene-d5	7.392	82	883634	81.904	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	293602	83.038	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1626559	78.275	ng	0.00
79) Terphenyl-d14	12.957	244	1891466	84.845	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.581	88	184794	39.750	ng	100
3) Pyridine	3.340	79	501878	39.551	ng	100
4) n-Nitrosodimethylamine	3.304	42	210840	39.740	ng	100
6) Aniline	6.492	93	677278	39.327	ng	100
8) 2-Chlorophenol	6.610	128	453788	39.757	ng	100
9) Benzaldehyde	6.381	77	288952	38.957	ng	100
10) Phenol	6.475	94	551221m	40.062	ng	
11) bis(2-Chloroethyl)ether	6.569	93	422931	39.266	ng	100
12) 1,3-Dichlorobenzene	6.769	146	462892	38.965	ng	100
13) 1,4-Dichlorobenzene	6.845	146	469002	39.394	ng	100
14) 1,2-Dichlorobenzene	6.998	146	438693	39.407	ng	100
15) Benzyl Alcohol	6.969	79	376642	39.933	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	585998	39.526	ng	100
17) 2-Methylphenol	7.075	107	381162	39.364	ng	100
18) Hexachloroethane	7.333	117	166012	39.673	ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	294571	38.757	ng	100
20) 3+4-Methylphenols	7.233	107	465982	39.465	ng	100
22) Acetophenone	7.239	105	574707	39.851	ng	100
24) Nitrobenzene	7.410	77	446459	40.911	ng	100
25) Isophorone	7.645	82	809173	39.728	ng	100
26) 2-Nitrophenol	7.722	139	216518	43.486	ng	100
27) 2,4-Dimethylphenol	7.757	122	383086	40.716	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	501114	40.155	ng	100
29) 2,4-Dichlorophenol	7.963	162	363992	41.037	ng	100
30) 1,2,4-Trichlorobenzene	8.045	180	389683	40.273	ng	100
31) Naphthalene	8.128	128	1256785	40.073	ng	100
32) Benzoic acid	7.875	122	291147m	39.190	ng	
33) 4-Chloroaniline	8.175	127	552186	40.204	ng	100
34) Hexachlorobutadiene	8.245	225	224903	40.530	ng	100
35) Caprolactam	8.557	113	118817	41.197	ng	100
36) 4-Chloro-3-methylphenol	8.657	107	378663	40.664	ng	100
37) 2-Methylnaphthalene	8.822	142	847230	40.289	ng	100
38) 1-Methylnaphthalene	8.922	142	791376	40.439	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	382154	40.452	ng	100
41) Hexachlorocyclopentadiene	8.975	237	212506	42.105	ng	100
43) 2,4,6-Trichlorophenol	9.098	196	255381	41.460	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136027.D
Acq On : 30 Oct 2023 14:04
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Oct 30 18:40:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	291149	40.804	ng	100
46) 1,1'-Biphenyl	9.286	154	1018473	40.332	ng	100
47) 2-Chloronaphthalene	9.310	162	752928	40.446	ng	100
48) 2-Nitroaniline	9.404	65	237049	43.027	ng	100
49) Acenaphthylene	9.727	152	1177596	40.549	ng	100
50) Dimethylphthalate	9.592	163	880957	40.318	ng	100
51) 2,6-Dinitrotoluene	9.651	165	198943	42.570	ng	100
52) Acenaphthene	9.898	154	749464m	40.729	ng	
53) 3-Nitroaniline	9.822	138	228121	41.835	ng	100
54) 2,4-Dinitrophenol	9.922	184	85680	38.432	ng	100
55) Dibenzofuran	10.074	168	1088147	40.421	ng	100
56) 4-Nitrophenol	9.974	139	174891	42.878	ng	100
57) 2,4-Dinitrotoluene	10.051	165	255522	43.215	ng	100
58) Fluorene	10.416	166	804374	39.908	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	232866	41.050	ng	100
60) Diethylphthalate	10.292	149	854780	40.943	ng	100
61) 4-Chlorophenyl-phenyle...	10.410	204	399129	39.670	ng	100
62) 4-Nitroaniline	10.433	138	224050	42.671	ng	100
63) Azobenzene	10.569	77	815479	40.559	ng	100
65) 4,6-Dinitro-2-methylph...	10.463	198	130890	40.319	ng	100
66) n-Nitrosodiphenylamine	10.527	169	749180	41.338	ng	100
67) 4-Bromophenyl-phenylether	10.904	248	264798	42.040	ng	100
68) Hexachlorobenzene	10.963	284	282073	41.931	ng	100
69) Atrazine	11.063	200	198288	40.213	ng	100
70) Pentachlorophenol	11.157	266	187390	43.374	ng	100
71) Phenanthrene	11.380	178	1246957	41.223	ng	100
72) Anthracene	11.433	178	1275978	41.165	ng	100
73) Carbazole	11.592	167	1125468	41.784	ng	100
74) Di-n-butylphthalate	11.933	149	1279387	41.568	ng	100
75) Fluoranthene	12.574	202	1296204	41.712	ng	100
77) Benzidine	12.698	184	323756	47.946	ng	100
78) Pyrene	12.804	202	1312096	42.957	ng	100
80) Butylbenzylphthalate	13.439	149	468431	42.844	ng	100
81) Benzo(a)anthracene	14.004	228	962274	41.956	ng	100
82) 3,3'-Dichlorobenzidine	13.968	252	313664	42.848	ng	100
83) Chrysene	14.039	228	942802	41.740	ng	100
84) Bis(2-ethylhexyl)phtha...	14.009	149	543376	42.658	ng	100
85) Di-n-octyl phthalate	14.627	149	799742	41.910	ng	100
87) Indeno(1,2,3-cd)pyrene	17.009	276	879991	44.186	ng	100
88) Benzo(b)fluoranthene	15.062	252	712195	39.498	ng	100
89) Benzo(k)fluoranthene	15.092	252	716616	40.167	ng	100
90) Benzo(a)pyrene	15.433	252	681654	40.686	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	721674	44.237	ng	100
92) Benzo(g,h,i)perylene	17.474	276	752569	40.970	ng	100

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

ICAL Form

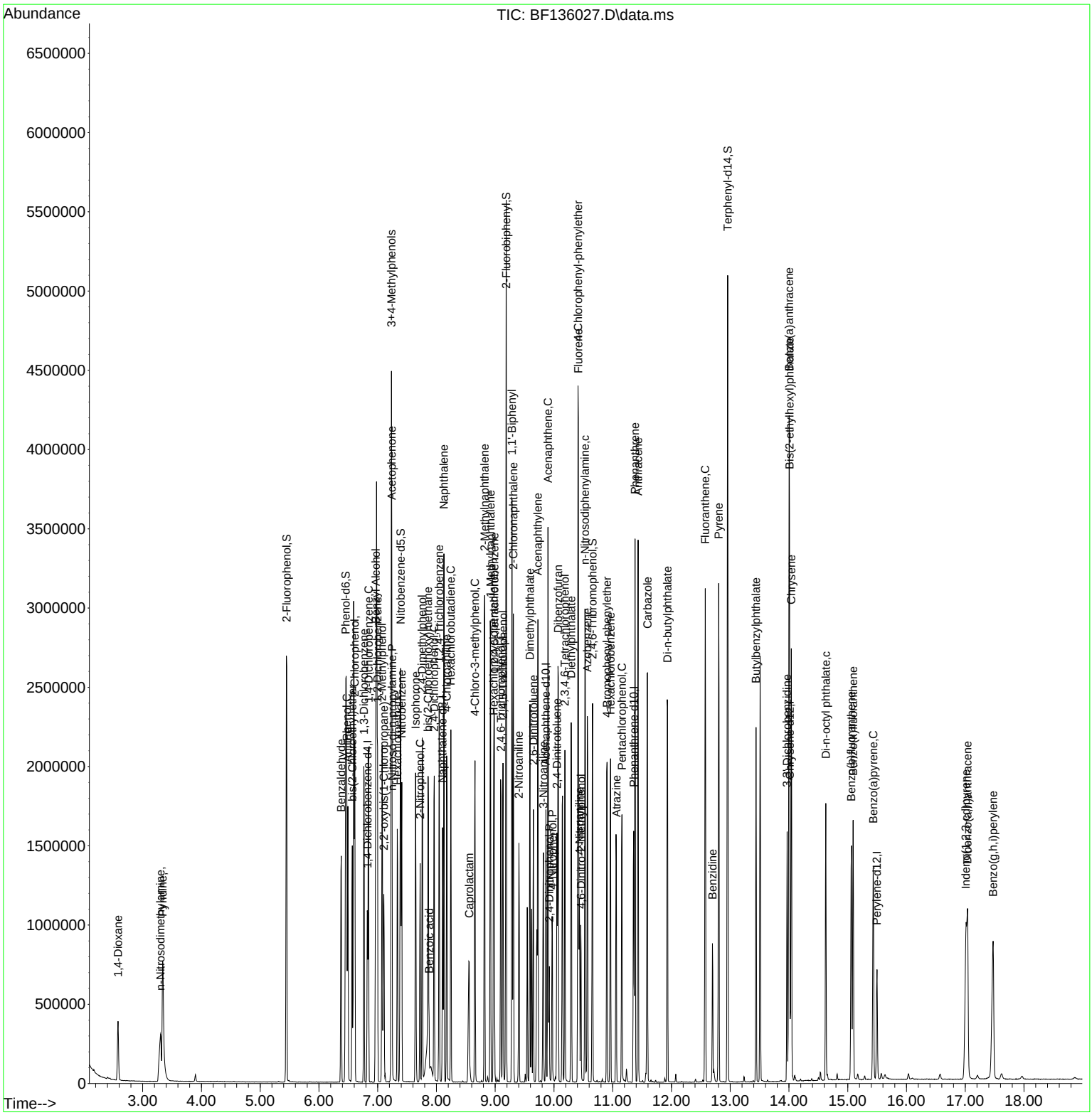
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136027.D
Acq On : 30 Oct 2023 14:04
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 18:40:54 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136028.D
Acq On : 30 Oct 2023 14:49
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:42:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	162133	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	642904	20.000	ng		0.00
39) Acenaphthene-d10	9.869	164	326706	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	612429	20.000	ng		0.00
76) Chrysene-d12	14.016	240	360705	20.000	ng		0.00
86) Perylene-d12	15.498	264	306498	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	987475	95.707	ng		0.00
7) Phenol-d6	6.463	99	1219237	94.844	ng		0.00
23) Nitrobenzene-d5	7.392	82	1036426	97.181	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	339209	97.273	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	1865177	91.008	ng		0.00
79) Terphenyl-d14	12.963	244	2159614	93.043	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	221779	49.363	ng		98
3) Pyridine	3.340	79	605361	49.364	ng		99
4) n-Nitrosodimethylamine	3.310	42	254559	49.648	ng		98
6) Aniline	6.493	93	793165	47.656	ng		99
8) 2-Chlorophenol	6.610	128	522763	47.391	ng		98
9) Benzaldehyde	6.381	77	319038	44.508	ng		99
10) Phenol	6.475	94	632060m	47.533	ng		
11) bis(2-Chloroethyl)ether	6.569	93	493449	47.405	ng		99
12) 1,3-Dichlorobenzene	6.769	146	540526	47.081	ng		99
13) 1,4-Dichlorobenzene	6.845	146	544314	47.308	ng		99
14) 1,2-Dichlorobenzene	6.998	146	507045	47.130	ng		98
15) Benzyl Alcohol	6.969	79	438062	48.059	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	684585	47.781	ng		99
17) 2-Methylphenol	7.075	107	447802	47.853	ng		98
18) Hexachloroethane	7.334	117	193997	47.972	ng		100
19) n-Nitroso-di-n-propyla...	7.245	70	342894	46.683	ng		98
20) 3+4-Methylphenols	7.234	107	527739	46.249	ng		95
22) Acetophenone	7.240	105	655677	45.993	ng	#	95
24) Nitrobenzene	7.410	77	528522	48.993	ng		95
25) Isophorone	7.651	82	965665	47.962	ng		99
26) 2-Nitrophenol	7.722	139	255631	51.938	ng		98
27) 2,4-Dimethylphenol	7.763	122	444022	47.741	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	587307	47.608	ng		98
29) 2,4-Dichlorophenol	7.963	162	422565	48.194	ng		98
30) 1,2,4-Trichlorobenzene	8.045	180	454054	47.471	ng		97
31) Naphthalene	8.128	128	1468383	47.364	ng		100
32) Benzoic acid	7.887	122	357539m	47.699	ng		
33) 4-Chloroaniline	8.181	127	647840	47.717	ng		97
34) Hexachlorobutadiene	8.245	225	262743	47.899	ng		99
35) Caprolactam	8.563	113	141396	49.595	ng		93
36) 4-Chloro-3-methylphenol	8.657	107	441842	47.999	ng		97
37) 2-Methylnaphthalene	8.822	142	980074	47.147	ng		99
38) 1-Methylnaphthalene	8.922	142	898757	46.459	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	441005	47.331	ng		100
41) Hexachlorocyclopentadiene	8.975	237	251532	50.531	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	296423	48.793	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136028.D
Acq On : 30 Oct 2023 14:49
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 18:42:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.134	196	339410	48.231	ng		97
46)	1,1'-Biphenyl	9.286	154	1168598	46.922	ng		99
47)	2-Chloronaphthalene	9.310	162	868670	47.313	ng		99
48)	2-Nitroaniline	9.410	65	279667	51.470	ng		90
49)	Acenaphthylene	9.728	152	1363477	47.603	ng		99
50)	Dimethylphthalate	9.592	163	1018595	47.267	ng		99
51)	2,6-Dinitrotoluene	9.651	165	231735	50.278	ng		93
52)	Acenaphthene	9.904	154	857782m	47.265	ng		
53)	3-Nitroaniline	9.822	138	266311	49.519	ng		94
54)	2,4-Dinitrophenol	9.922	184	108264	46.996	ng		96
55)	Dibenzofuran	10.075	168	1242927	46.814	ng		99
56)	4-Nitrophenol	9.975	139	205562	51.099	ng		90
57)	2,4-Dinitrotoluene	10.057	165	304752	52.259	ng		94
58)	Fluorene	10.416	166	922815	46.422	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.186	232	272163	48.646	ng		99
60)	Diethylphthalate	10.298	149	985290	47.852	ng		98
61)	4-Chlorophenyl-phenyle...	10.410	204	452335	45.585	ng		97
62)	4-Nitroaniline	10.439	138	265266	51.224	ng		98
63)	Azobenzene	10.575	77	942734	47.541	ng		96
65)	4,6-Dinitro-2-methylph...	10.463	198	158848	47.093	ng		89
66)	n-Nitrosodiphenylamine	10.533	169	864873	46.814	ng		99
67)	4-Bromophenyl-phenylether	10.904	248	305262	47.542	ng		98
68)	Hexachlorobenzene	10.963	284	322420	47.016	ng	#	93
69)	Atrazine	11.063	200	233320	46.417	ng		98
70)	Pentachlorophenol	11.157	266	224955	51.078	ng		98
71)	Phenanthrene	11.386	178	1431993	46.439	ng		99
72)	Anthracene	11.433	178	1466743	46.420	ng		99
73)	Carbazole	11.592	167	1293512	47.109	ng		99
74)	Di-n-butylphthalate	11.933	149	1480313	47.181	ng		99
75)	Fluoranthene	12.575	202	1488995	47.004	ng		100
77)	Benzidine	12.698	184	292523	41.608	ng		98
78)	Pyrene	12.810	202	1514516	47.624	ng		99
80)	Butylbenzylphthalate	13.439	149	578306	50.802	ng		99
81)	Benzo(a)anthracene	14.004	228	1142353	47.838	ng		100
82)	3,3'-Dichlorobenzidine	13.974	252	384332	50.426	ng	#	98
83)	Chrysene	14.045	228	1145084	48.691	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.010	149	660185	49.779	ng		99
85)	Di-n-octyl phthalate	14.627	149	1030900	51.888	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.015	276	1023483	51.094	ng		100
88)	Benzo(b)fluoranthene	15.063	252	898793	49.558	ng		98
89)	Benzo(k)fluoranthene	15.098	252	860347	47.945	ng		99
90)	Benzo(a)pyrene	15.439	252	831576	49.348	ng		99
91)	Dibenzo(a,h)anthracene	17.045	278	840537	51.226	ng		99
92)	Benzo(g,h,i)perylene	17.480	276	872871	46.802	ng		99

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

ICAL Form

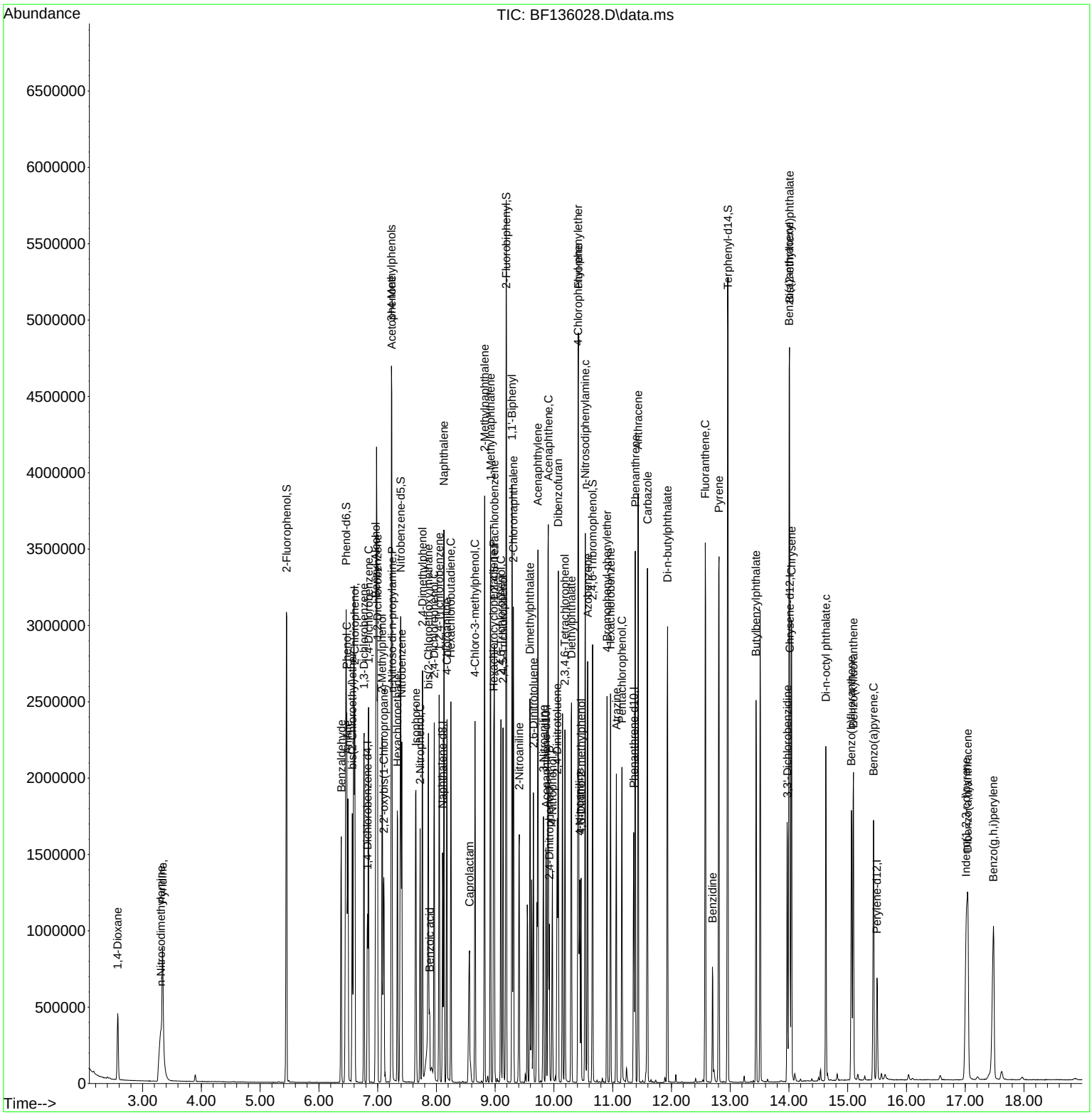
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136028.D
Acq On : 30 Oct 2023 14:49
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 18:42:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136029.D
Acq On : 30 Oct 2023 15:20
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 18:45:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.827	152	158355	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	623589	20.000	ng		0.00
39) Acenaphthene-d10	9.862	164	320125	20.000	ng		0.00
64) Phenanthrene-d10	11.356	188	588448	20.000	ng		0.00
76) Chrysene-d12	14.015	240	310742	20.000	ng		0.00
86) Perylene-d12	15.497	264	304908	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	1184853	117.577	ng		0.00
7) Phenol-d6	6.463	99	1465502	116.720	ng		0.00
23) Nitrobenzene-d5	7.398	82	1264979	122.286	ng		0.00
42) 2,4,6-Tribromophenol	10.662	330	409352	119.801	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	2155095	107.316	ng		0.00
79) Terphenyl-d14	12.962	244	2421071	121.079	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.581	88	268616	61.214	ng		100
3) Pyridine	3.345	79	730457	60.986	ng		99
4) n-Nitrosodimethylamine	3.322	42	308204	61.545	ng		100
6) Aniline	6.498	93	959939	59.053	ng		99
8) 2-Chlorophenol	6.616	128	628999	58.382	ng		97
9) Benzaldehyde	6.380	77	369489	52.776	ng		98
10) Phenol	6.480	94	770693m	59.341	ng		
11) bis(2-Chloroethyl)ether	6.569	93	602656	59.278	ng		97
12) 1,3-Dichlorobenzene	6.769	146	655538	58.461	ng		98
13) 1,4-Dichlorobenzene	6.845	146	653770	58.177	ng		99
14) 1,2-Dichlorobenzene	6.998	146	606241	57.695	ng		97
15) Benzyl Alcohol	6.974	79	517350	58.112	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.104	45	815657	58.287	ng		99
17) 2-Methylphenol	7.080	107	542814	59.391	ng		99
18) Hexachloroethane	7.339	117	233860	59.209	ng		91
19) n-Nitroso-di-n-propyla...	7.251	70	411034	57.295	ng		100
20) 3+4-Methylphenols	7.239	107	618122	55.462	ng		96
22) Acetophenone	7.239	105	769855	55.675	ng	#	88
24) Nitrobenzene	7.416	77	635936	60.776	ng		100
25) Isophorone	7.651	82	1162253	59.514	ng		100
26) 2-Nitrophenol	7.721	139	318010	66.613	ng		96
27) 2,4-Dimethylphenol	7.763	122	537631	59.596	ng		99
28) bis(2-Chloroethoxy)met...	7.863	93	694158	58.012	ng		99
29) 2,4-Dichlorophenol	7.963	162	513267	60.352	ng		95
30) 1,2,4-Trichlorobenzene	8.045	180	543283	58.559	ng		98
31) Naphthalene	8.133	128	1735350	57.709	ng		99
32) Benzoic acid	7.898	122	442999m	59.801	ng		
33) 4-Chloroaniline	8.180	127	772040	58.626	ng		98
34) Hexachlorobutadiene	8.245	225	311345	58.517	ng		99
35) Caprolactam	8.568	113	169477	61.286	ng		89
36) 4-Chloro-3-methylphenol	8.663	107	530300	59.393	ng		99
37) 2-Methylnaphthalene	8.821	142	1146978	56.885	ng		100
38) 1-Methylnaphthalene	8.921	142	1075169	57.300	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	524974	57.502	ng		99
41) Hexachlorocyclopentadiene	8.974	237	308752	63.301	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	351036	58.971	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136029.D
Acq On : 30 Oct 2023 15:20
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:45:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	413778	60.007	ng		97
46) 1,1'-Biphenyl	9.292	154	1379938	56.546	ng		99
47) 2-Chloronaphthalene	9.315	162	1031433	57.333	ng		99
48) 2-Nitroaniline	9.410	65	336954	63.288	ng		95
49) Acenaphthylene	9.727	152	1611904	57.434	ng		99
50) Dimethylphthalate	9.598	163	1217301	57.649	ng		100
51) 2,6-Dinitrotoluene	9.657	165	283518	62.777	ng		94
52) Acenaphthene	9.904	154	1000107m	56.240	ng		
53) 3-Nitroaniline	9.827	138	329993	62.621	ng		96
54) 2,4-Dinitrophenol	9.921	184	140953	59.821	ng	#	91
55) Dibenzofuran	10.074	168	1466816	56.382	ng		98
56) 4-Nitrophenol	9.974	139	257510	65.328	ng		88
57) 2,4-Dinitrotoluene	10.057	165	367047	64.235	ng		99
58) Fluorene	10.421	166	1084640	55.684	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	322913	58.903	ng		99
60) Diethylphthalate	10.298	149	1168665	57.924	ng		99
61) 4-Chlorophenyl-phenyle...	10.409	204	533836	54.904	ng		97
62) 4-Nitroaniline	10.445	138	316406	62.355	ng		96
63) Azobenzene	10.574	77	1120812	57.683	ng		96
65) 4,6-Dinitro-2-methylph...	10.462	198	198199	59.732	ng		78
66) n-Nitrosodiphenylamine	10.533	169	1029340	57.987	ng		99
67) 4-Bromophenyl-phenylether	10.904	248	364428	59.070	ng		96
68) Hexachlorobenzene	10.962	284	389687	59.141	ng	#	92
69) Atrazine	11.062	200	276797	57.311	ng		96
70) Pentachlorophenol	11.156	266	268649	63.486	ng		97
71) Phenanthrene	11.386	178	1673783	56.492	ng		99
72) Anthracene	11.439	178	1739800	57.305	ng		99
73) Carbazole	11.592	167	1515316	57.436	ng		98
74) Di-n-butylphthalate	11.933	149	1733132	57.490	ng		99
75) Fluoranthene	12.580	202	1725038	56.675	ng		98
77) Benzidine	12.698	184	342043	56.474	ng		98
78) Pyrene	12.809	202	1738276	63.449	ng		99
80) Butylbenzylphthalate	13.439	149	636481	64.903	ng		100
81) Benzo(a)anthracene	14.003	228	1218170	59.215	ng		99
82) 3,3'-Dichlorobenzidine	13.974	252	396884	60.446	ng	#	99
83) Chrysene	14.045	228	1205780	59.516	ng		100
84) Bis(2-ethylhexyl)phtha...	14.009	149	703154	61.544	ng		99
85) Di-n-octyl phthalate	14.627	149	1079503	63.071	ng		100
87) Indeno(1,2,3-cd)pyrene	17.021	276	1333781	66.932	ng		99
88) Benzo(b)fluoranthene	15.062	252	1044479	57.892	ng		99
89) Benzo(k)fluoranthene	15.097	252	1001322	56.092	ng		99
90) Benzo(a)pyrene	15.439	252	1010540	60.281	ng		99
91) Dibenzo(a,h)anthracene	17.050	278	1083272	66.363	ng		99
92) Benzo(g,h,i)perylene	17.485	276	1129371	60.000	ng		99

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

ICAL Form

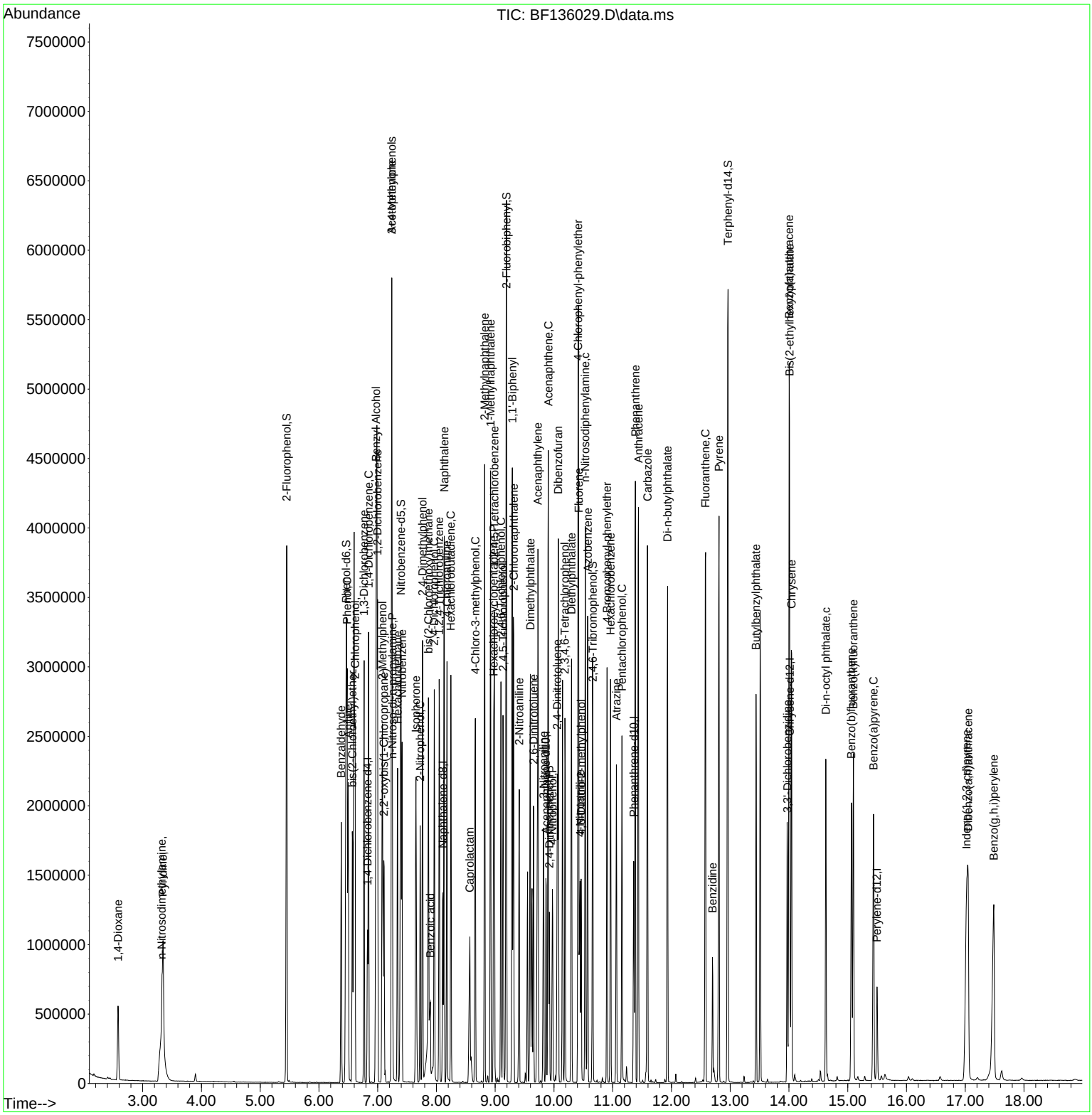
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136029.D
Acq On : 30 Oct 2023 15:20
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 18:45:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136030.D
Acq On : 30 Oct 2023 15:51
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:47:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.828	152	149619	20.000	ng		0.00
21) Naphthalene-d8	8.110	136	590567	20.000	ng		0.00
39) Acenaphthene-d10	9.869	164	298033	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	554138	20.000	ng		0.00
76) Chrysene-d12	14.015	240	269608	20.000	ng		0.00
86) Perylene-d12	15.498	264	293154	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	1478533	155.286	ng		0.00
7) Phenol-d6	6.469	99	1846851	155.681	ng		0.01
23) Nitrobenzene-d5	7.398	82	1597280	163.043	ng		0.00
42) 2,4,6-Tribromophenol	10.663	330	506349	159.172	ng		0.00
45) 2-Fluorobiphenyl	9.192	172	2611184	139.665	ng		0.00
79) Terphenyl-d14	12.963	244	2825069	162.838	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.581	88	343437	82.835	ng		99
3) Pyridine	3.351	79	938148	82.900	ng		99
4) n-Nitrosodimethylamine	3.334	42	396969	83.898	ng		99
6) Aniline	6.504	93	1206733	78.569	ng		97
8) 2-Chlorophenol	6.616	128	776623	76.293	ng		99
9) Benzaldehyde	6.381	77	454856	68.762	ng		97
10) Phenol	6.486	94	954713m	77.803	ng		
11) bis(2-Chloroethyl)ether	6.575	93	753219	78.413	ng		99
12) 1,3-Dichlorobenzene	6.769	146	822688	77.651	ng		98
13) 1,4-Dichlorobenzene	6.845	146	820693	77.295	ng		98
14) 1,2-Dichlorobenzene	6.998	146	738733	74.409	ng		96
15) Benzyl Alcohol	6.975	79	633870	75.357	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1028768	77.809	ng		99
17) 2-Methylphenol	7.081	107	690841	80.000	ng		99
18) Hexachloroethane	7.339	117	293334	78.603	ng		93
19) n-Nitroso-di-n-propyla...	7.257	70	526331	77.650	ng		98
20) 3+4-Methylphenols	7.239	107	749280	71.156	ng		95
22) Acetophenone	7.245	105	948442	72.425	ng	#	91
24) Nitrobenzene	7.416	77	795754	80.302	ng		95
25) Isophorone	7.657	82	1522123	82.299	ng		99
26) 2-Nitrophenol	7.728	139	408390	90.327	ng		100
27) 2,4-Dimethylphenol	7.769	122	679201	79.499	ng		98
28) bis(2-Chloroethoxy)met...	7.863	93	895650	79.037	ng		98
29) 2,4-Dichlorophenol	7.969	162	639664	79.419	ng		98
30) 1,2,4-Trichlorobenzene	8.051	180	680613	77.463	ng		98
31) Naphthalene	8.133	128	2123734	74.574	ng		98
32) Benzoic acid	7.916	122	584218m	81.675	ng		
33) 4-Chloroaniline	8.180	127	963472	77.253	ng		100
34) Hexachlorobutadiene	8.245	225	392736	77.942	ng		99
35) Caprolactam	8.580	113	222487m	84.953	ng		
36) 4-Chloro-3-methylphenol	8.669	107	673691	79.672	ng		97
37) 2-Methylnaphthalene	8.822	142	1421971	74.467	ng		99
38) 1-Methylnaphthalene	8.922	142	1329685	74.827	ng		100
40) 1,2,4,5-Tetrachloroben...	8.992	216	653124	76.841	ng		100
41) Hexachlorocyclopentadiene	8.975	237	393773	86.717	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	447845	80.811	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136030.D
Acq On : 30 Oct 2023 15:51
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 18:47:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	518852	80.823	ng		99
46) 1,1'-Biphenyl	9.292	154	1686656	74.238	ng		98
47) 2-Chloronaphthalene	9.316	162	1290994	77.080	ng		99
48) 2-Nitroaniline	9.410	65	436334	88.028	ng		99
49) Acenaphthylene	9.733	152	1992544	76.259	ng		99
50) Dimethylphthalate	9.604	163	1547246	78.705	ng		100
51) 2,6-Dinitrotoluene	9.657	165	367327	87.363	ng		95
52) Acenaphthene	9.904	154	1250144m	75.512	ng		
53) 3-Nitroaniline	9.827	138	426580	86.951	ng		94
54) 2,4-Dinitrophenol	9.927	184	188641	82.504	ng		94
55) Dibenzofuran	10.074	168	1822847	75.261	ng		97
56) 4-Nitrophenol	9.986	139	332905	90.716	ng		98
57) 2,4-Dinitrotoluene	10.063	165	456415	85.796	ng		99
58) Fluorene	10.421	166	1302948	71.850	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.192	232	406269	79.602	ng		99
60) Diethylphthalate	10.304	149	1467482	78.127	ng		98
61) 4-Chlorophenyl-phenyle...	10.416	204	654658	72.321	ng		99
62) 4-Nitroaniline	10.451	138	412769	87.375	ng		96
63) Azobenzene	10.574	77	1404703	77.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.469	198	262012	81.929	ng		77
66) n-Nitrosodiphenylamine	10.539	169	1277422	76.418	ng		98
67) 4-Bromophenyl-phenylether	10.904	248	462166	79.550	ng		94
68) Hexachlorobenzene	10.969	284	491809	79.261	ng		100
69) Atrazine	11.069	200	323963	71.229	ng		98
70) Pentachlorophenol	11.157	266	338625	84.977	ng		99
71) Phenanthrene	11.386	178	2073085	74.301	ng		100
72) Anthracene	11.439	178	2122368	74.235	ng		99
73) Carbazole	11.592	167	1892029	76.155	ng		99
74) Di-n-butylphthalate	11.933	149	2159029	76.052	ng		98
75) Fluoranthene	12.580	202	2103987	73.404	ng		99
77) Benzidine	12.704	184	415259	79.023	ng		98
78) Pyrene	12.810	202	2120181	89.196	ng		99
80) Butylbenzylphthalate	13.439	149	760695	89.404	ng		99
81) Benzo(a)anthracene	14.004	228	1444636	80.937	ng		99
82) 3,3'-Dichlorobenzidine	13.974	252	483216	84.822	ng	#	99
83) Chrysene	14.045	228	1458159	82.954	ng		99
84) Bis(2-ethylhexyl)phtha...	14.009	149	822521	82.975	ng		99
85) Di-n-octyl phthalate	14.627	149	1348568	90.812	ng		99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1760741	91.900	ng		99
88) Benzo(b)fluoranthene	15.068	252	1347594	77.687	ng		100
89) Benzo(k)fluoranthene	15.098	252	1319202	76.862	ng		100
90) Benzo(a)pyrene	15.439	252	1326651	82.311	ng		99
91) Dibenzo(a,h)anthracene	17.050	278	1426605	90.901	ng		98
92) Benzo(g,h,i)perylene	17.492	276	1495315	81.535	ng		99

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

ICAL Form

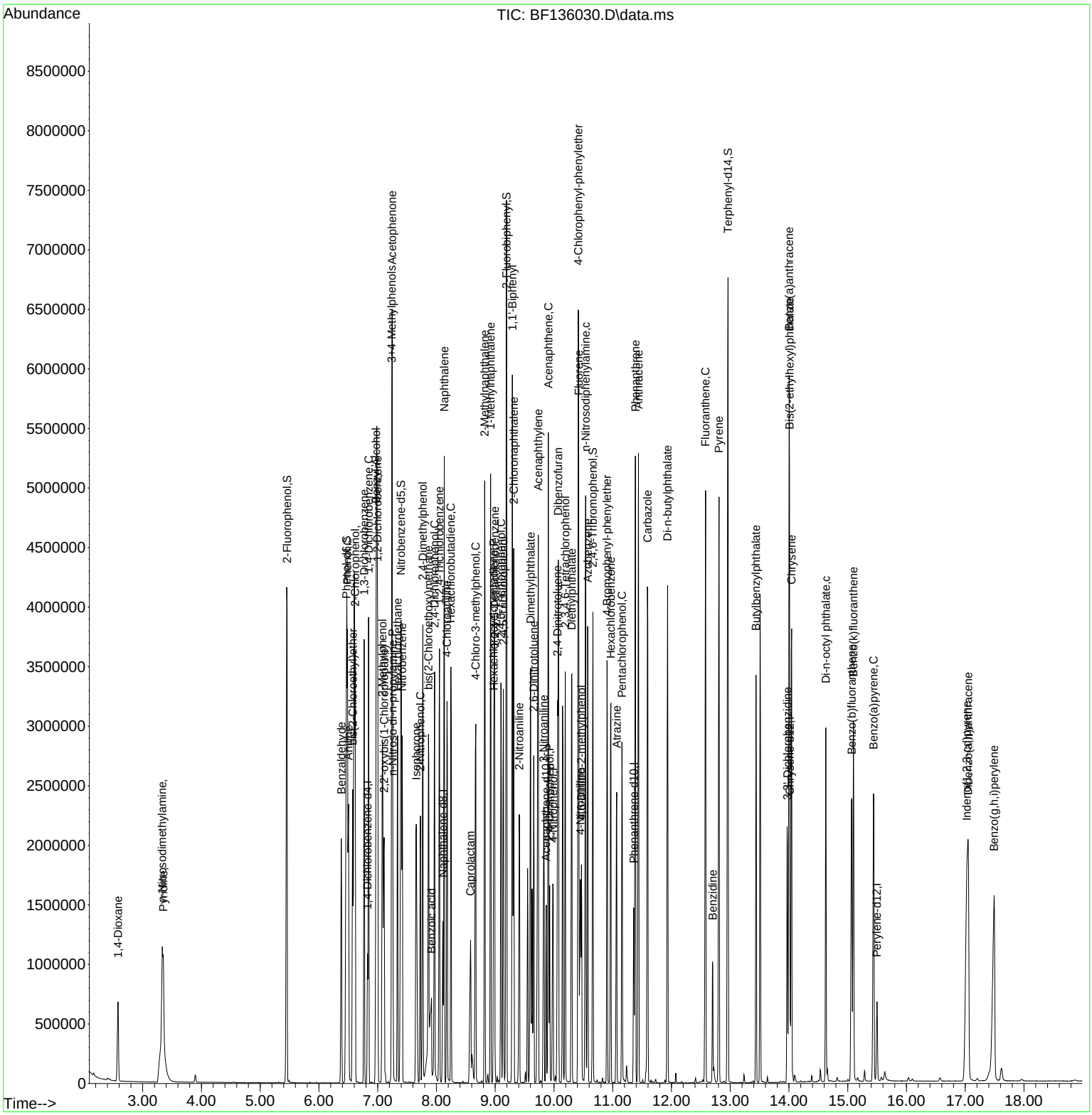
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136030.D
Acq On : 30 Oct 2023 15:51
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 18:47:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 17:15:29 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	164262	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	628627	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	316584	20.000	ng		0.00
64) Phenanthrene-d10	11.357	188	576835	20.000	ng		0.00
76) Chrysene-d12	14.015	240	328557	20.000	ng		0.00
86) Perylene-d12	15.498	264	288386	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.445	112	823258	78.757	ng		0.00
7) Phenol-d6	6.457	99	1014657	77.906	ng		0.00
23) Nitrobenzene-d5	7.392	82	874252	83.837	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	281493	83.303	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	1610301	81.084	ng		0.00
79) Terphenyl-d14	12.957	244	1801162	85.193	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.575	88	179329	39.397	ng		99
3) Pyridine	3.334	79	488734	39.337	ng		98
4) n-Nitrosodimethylamine	3.304	42	206366	39.727	ng		95
6) Aniline	6.492	93	660807	39.189	ng		98
8) 2-Chlorophenol	6.610	128	437247	39.125	ng		99
9) Benzaldehyde	6.375	77	279479	38.484	ng		95
10) Phenol	6.469	94	540668m	40.136	ng		
11) bis(2-Chloroethyl)ether	6.569	93	411457	39.016	ng		99
12) 1,3-Dichlorobenzene	6.763	146	452222	38.879	ng		95
13) 1,4-Dichlorobenzene	6.845	146	455586	39.083	ng		99
14) 1,2-Dichlorobenzene	6.992	146	419524	38.490	ng		95
15) Benzyl Alcohol	6.969	79	366645	39.703	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	565880	38.984	ng		99
17) 2-Methylphenol	7.075	107	373351	39.380	ng		98
18) Hexachloroethane	7.333	117	162269	39.606	ng		99
19) n-Nitroso-di-n-propyla...	7.239	70	284302	38.204	ng		96
20) 3+4-Methylphenols	7.233	107	447137	38.677	ng		93
22) Acetophenone	7.233	105	556679	39.936	ng	#	89
24) Nitrobenzene	7.410	77	435014	41.241	ng		99
25) Isophorone	7.645	82	785516	39.900	ng		100
26) 2-Nitrophenol	7.722	139	214583	44.588	ng		99
27) 2,4-Dimethylphenol	7.757	122	368830	40.557	ng		99
28) bis(2-Chloroethoxy)met...	7.857	93	487306	40.399	ng		99
29) 2,4-Dichlorophenol	7.963	162	353544	41.238	ng		100
30) 1,2,4-Trichlorobenzene	8.045	180	376725	40.280	ng		98
31) Naphthalene	8.128	128	1219018	40.214	ng		99
32) Benzoic acid	7.869	122	290839m	40.782	ng		
33) 4-Chloroaniline	8.175	127	534564	40.267	ng		100
34) Hexachlorobutadiene	8.245	225	221863	41.365	ng		99
35) Caprolactam	8.551	113	114325	41.010	ng		86
36) 4-Chloro-3-methylphenol	8.657	107	368526	40.944	ng		99
37) 2-Methylnaphthalene	8.822	142	813284	40.012	ng		99
38) 1-Methylnaphthalene	8.922	142	765244	40.456	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	370760	41.065	ng		99
41) Hexachlorocyclopentadiene	8.975	237	210691	43.680	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	246485	41.870	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	287462	42.155	ng	99
46) 1,1'-Biphenyl	9.286	154	988992	40.980	ng	99
47) 2-Chloronaphthalene	9.310	162	728665	40.956	ng	100
48) 2-Nitroaniline	9.404	65	232759	44.206	ng	98
49) Acenaphthylene	9.727	152	1141072	41.112	ng	99
50) Dimethylphthalate	9.592	163	855355	40.961	ng	100
51) 2,6-Dinitrotoluene	9.651	165	195227	43.711	ng	98
52) Acenaphthene	9.898	154	711657m	40.334	ng	
53) 3-Nitroaniline	9.822	138	225656	43.301	ng	99
54) 2,4-Dinitrophenol	9.922	184	90301	41.562	ng	93
55) Dibenzofuran	10.069	168	1046683	40.683	ng	97
56) 4-Nitrophenol	9.969	139	172075	44.142	ng	85
57) 2,4-Dinitrotoluene	10.051	165	252724	44.723	ng	100
58) Fluorene	10.416	166	786011	40.804	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	226695	41.814	ng	100
60) Diethylphthalate	10.292	149	823602	41.278	ng	100
61) 4-Chlorophenyl-phenyle...	10.410	204	385411	40.082	ng	99
62) 4-Nitroaniline	10.433	138	217303	43.303	ng	98
63) Azobenzene	10.569	77	786683	40.940	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	127671	41.212	ng	76
66) n-Nitrosodiphenylamine	10.527	169	727766	41.823	ng	99
67) 4-Bromophenyl-phenylether	10.904	248	256646	42.437	ng	100
68) Hexachlorobenzene	10.963	284	276361	42.787	ng	97
69) Atrazine	11.063	200	194050	40.987	ng	99
70) Pentachlorophenol	11.157	266	182367	43.964	ng	98
71) Phenanthrene	11.380	178	1204181	41.461	ng	100
72) Anthracene	11.433	178	1238899	41.628	ng	100
73) Carbazole	11.592	167	1086723	42.020	ng	99
74) Di-n-butylphthalate	11.933	149	1236618	41.846	ng	100
75) Fluoranthene	12.574	202	1238189	41.499	ng	99
77) Benzidine	12.698	184	257834	40.262	ng	99
78) Pyrene	12.804	202	1251540	43.205	ng	100
80) Butylbenzylphthalate	13.439	149	445721	42.986	ng	97
81) Benzo(a)anthracene	14.004	228	907346	41.714	ng	99
82) 3,3'-Dichlorobenzidine	13.968	252	291100	41.931	ng	99
83) Chrysene	14.039	228	876093	40.898	ng	99
84) Bis(2-ethylhexyl)phtha...	14.009	149	518572	42.927	ng	100
85) Di-n-octyl phthalate	14.627	149	752338	41.572	ng	100
87) Indeno(1,2,3-cd)pyrene	17.009	276	844579	44.811	ng	100
88) Benzo(b)fluoranthene	15.062	252	667847	39.137	ng	98
89) Benzo(k)fluoranthene	15.092	252	687746	40.733	ng	100
90) Benzo(a)pyrene	15.433	252	648834	40.922	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	698189	45.223	ng	98
92) Benzo(g,h,i)perylene	17.468	276	732516	42.056	ng	99

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

ICAL Form

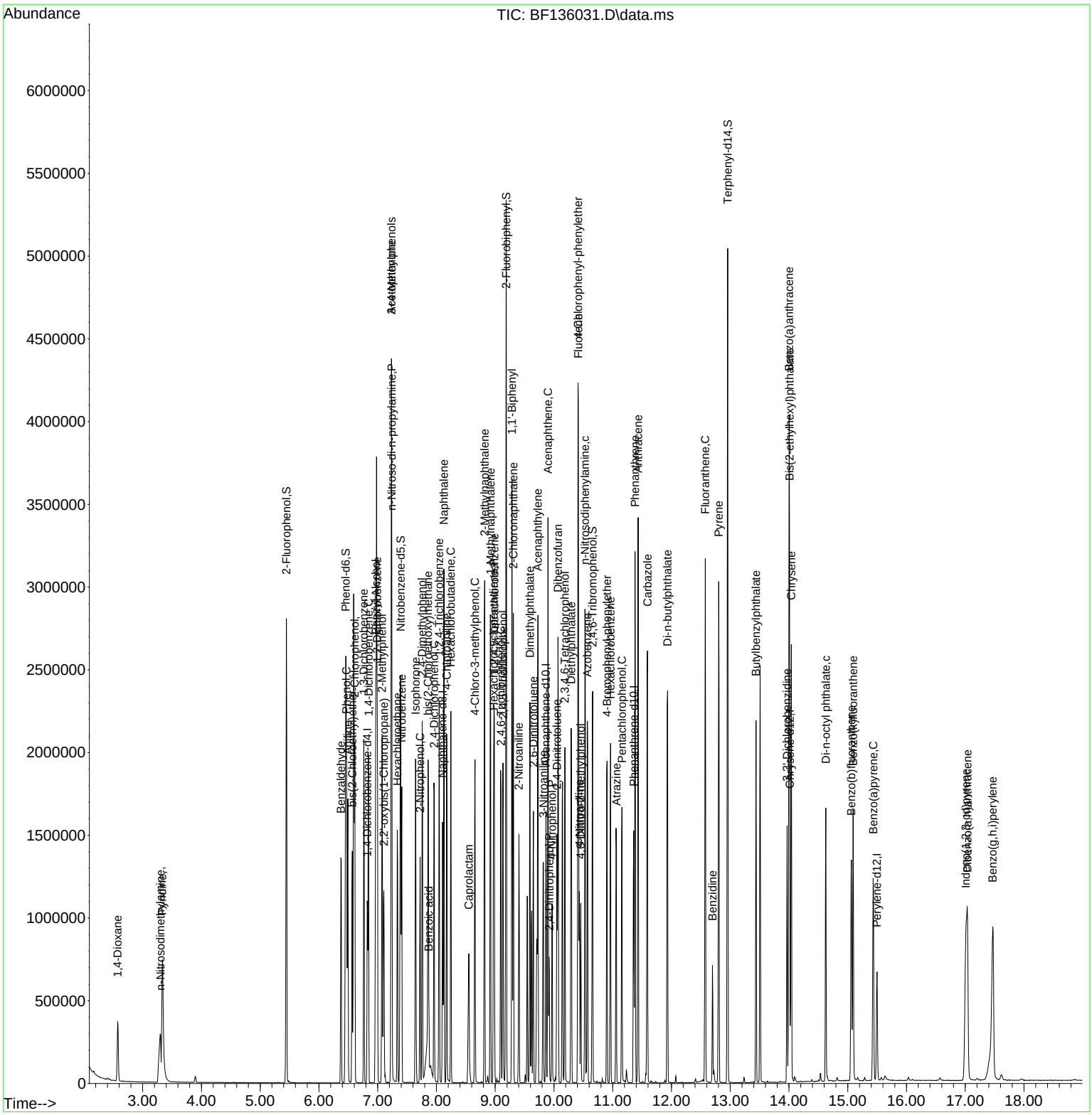
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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	98	0.00
2		1,4-Dioxane	0.554	0.546	1.4	97	0.00
3		Pyridine	1.513	1.488	1.7	97	0.00
4		n-Nitrosodimethylamine	0.632	0.628	0.6	98	0.00
5	S	2-Fluorophenol	1.273	1.253	1.6	98	0.00
6		Aniline	2.053	2.011	2.0	98	0.00
7	S	Phenol-d6	1.586	1.544	2.6	97	0.00
8		2-Chlorophenol	1.361	1.331	2.2	96	0.00
9		Benzaldehyde	0.884	0.851	3.7	97	0.00
10	C	Phenol	1.640	1.646	-0.4	98	0.00
11		bis(2-Chloroethyl)ether	1.284	1.252	2.5	97	0.00
12		1,3-Dichlorobenzene	1.416	1.377	2.8	98	0.00
13	C	1,4-Dichlorobenzene	1.419	1.387	2.3	97	0.00
14		1,2-Dichlorobenzene	1.327	1.277	3.8	96	0.00
15		Benzyl Alcohol	1.124	1.116	0.7	97	0.00
16		2,2'-oxybis(1-Chloropropane	1.767	1.722	2.5	97	0.00
17		2-Methylphenol	1.154	1.136	1.6	98	0.00
18		Hexachloroethane	0.499	0.494	1.0	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.906	0.865	4.5	97	0.00
20		3+4-Methylphenols	1.408	1.361	3.3	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	97	0.00
22		Acetophenone	0.443	0.443	0.0	97	0.00
23	S	Nitrobenzene-d5	0.332	0.348	-4.8	99	0.00
24		Nitrobenzene	0.336	0.346	-3.0	97	0.00
25		Isophorone	0.626	0.625	0.2	97	0.00
26	C	2-Nitrophenol	0.153	0.171	-11.8	99	0.00
27		2,4-Dimethylphenol	0.289	0.293	-1.4	96	0.00
28		bis(2-Chloroethoxy)methane	0.384	0.388	-1.0	97	0.00
29	C	2,4-Dichlorophenol	0.273	0.281	-2.9	97	0.00
30		1,2,4-Trichlorobenzene	0.298	0.300	-0.7	97	0.00
31		Naphthalene	0.964	0.970	-0.6	97	0.00
32		Benzoic acid	0.213	0.231	-8.5	100	0.00
33		4-Chloroaniline	0.422	0.425	-0.7	97	0.00
34	C	Hexachlorobutadiene	0.171	0.176	-2.9	99	0.00
35		Caprolactam	0.089	0.091	-2.2	96	0.00
36	C	4-Chloro-3-methylphenol	0.286	0.293	-2.4	97	0.00
37		2-Methylnaphthalene	0.647	0.647	0.0	96	0.00
38		1-Methylnaphthalene	0.602	0.609	-1.2	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.570	0.586	-2.8	97	0.00
41	P	Hexachlorocyclopentadiene	0.305	0.333	-9.2	99	0.00
42	S	2,4,6-Tribromophenol	0.213	0.222	-4.2	96	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.389	-4.6	97	0.00
44		2,4,5-Trichlorophenol	0.431	0.454	-5.3	99	0.00
45	S	2-Fluorobiphenyl	1.255	1.272	-1.4	99	0.00
46		1,1'-Biphenyl	1.525	1.562	-2.4	97	0.00
47		2-Chloronaphthalene	1.124	1.151	-2.4	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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	0.333	0.368	-10.5	98	0.00
49		Acenaphthylene	1.753	1.802	-2.8	97	0.00
50		Dimethylphthalate	1.319	1.351	-2.4	97	0.00
51		2,6-Dinitrotoluene	0.282	0.308	-9.2	98	0.00
52	C	Acenaphthene	1.115	1.124	-0.8	95	0.00
53		3-Nitroaniline	0.329	0.356	-8.2	99	0.00
54	P	2,4-Dinitrophenol	0.123	0.143	-16.3	105	0.00
55		Dibenzofuran	1.625	1.653	-1.7	96	0.00
56	P	4-Nitrophenol	0.246	0.272	-10.6	98	0.00
57		2,4-Dinitrotoluene	0.357	0.399	-11.8	99	0.00
58		Fluorene	1.217	1.241	-2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.342	0.358	-4.7	97	0.00
60		Diethylphthalate	1.260	1.301	-3.3	96	0.00
61		4-Chlorophenyl-phenylether	0.607	0.609	-0.3	97	0.00
62		4-Nitroaniline	0.317	0.343	-8.2	97	0.00
63		Azobenzene	1.214	1.242	-2.3	96	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	0.099	0.111	-12.1	98	0.00
66	c	n-Nitrosodiphenylamine	0.603	0.631	-4.6	97	0.00
67		4-Bromophenyl-phenylether	0.210	0.222	-5.7	97	0.00
68		Hexachlorobenzene	0.224	0.240	-7.1	98	0.00
69		Atrazine	0.164	0.168	-2.4	98	0.00
70	C	Pentachlorophenol	0.144	0.158	-9.7	97	0.00
71		Phenanthrene	1.007	1.044	-3.7	97	0.00
72		Anthracene	1.032	1.074	-4.1	97	0.00
73		Carbazole	0.897	0.942	-5.0	97	0.00
74		Di-n-butylphthalate	1.025	1.072	-4.6	97	0.00
75	C	Fluoranthene	1.035	1.073	-3.7	96	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.390	0.392	-0.5	80	0.00
78		Pyrene	1.763	1.905	-8.1	95	0.00
79	S	Terphenyl-d14	1.287	1.371	-6.5	95	0.00
80		Butylbenzylphthalate	0.631	0.678	-7.4	95	0.00
81		Benzo(a)anthracene	1.324	1.381	-4.3	94	0.00
82		3,3'-Dichlorobenzidine	0.423	0.443	-4.7	93	0.00
83		Chrysene	1.304	1.333	-2.2	93	0.00
84		Bis(2-ethylhexyl)phthalate	0.735	0.789	-7.3	95	0.00
85	c	Di-n-octyl phthalate	1.102	1.145	-3.9	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	1.307	1.464	-12.0	96	0.00
88		Benzo(b)fluoranthene	1.183	1.158	2.1	94	0.00
89		Benzo(k)fluoranthene	1.171	1.192	-1.8	96	0.00
90	C	Benzo(a)pyrene	1.100	1.125	-2.3	95	0.00
91		Dibenzo(a,h)anthracene	1.071	1.211	-13.1	97	0.00
92		Benzo(g,h,i)perylene	1.105	1.270	-14.9	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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	98	0.00
2		1,4-Dioxane	40.000	39.397	1.5	97	0.00
3		Pyridine	40.000	39.337	1.7	97	0.00
4		n-Nitrosodimethylamine	40.000	39.727	0.7	98	0.00
5	S	2-Fluorophenol	80.000	78.757	1.6	98	0.00
6		Aniline	40.000	39.189	2.0	98	0.00
7	S	Phenol-d6	80.000	77.906	2.6	97	0.00
8		2-Chlorophenol	40.000	39.125	2.2	96	0.00
9		Benzaldehyde	40.000	38.484	3.8	97	0.00
10	C	Phenol	40.000	40.136	-0.3	98	0.00
11		bis(2-Chloroethyl)ether	40.000	39.016	2.5	97	0.00
12		1,3-Dichlorobenzene	40.000	38.879	2.8	98	0.00
13	C	1,4-Dichlorobenzene	40.000	39.083	2.3	97	0.00
14		1,2-Dichlorobenzene	40.000	38.490	3.8	96	0.00
15		Benzyl Alcohol	40.000	39.703	0.7	97	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.984	2.5	97	0.00
17		2-Methylphenol	40.000	39.380	1.5	98	0.00
18		Hexachloroethane	40.000	39.606	1.0	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.204	4.5	97	0.00
20		3+4-Methylphenols	40.000	38.677	3.3	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	97	0.00
22		Acetophenone	40.000	39.936	0.2	97	0.00
23	S	Nitrobenzene-d5	80.000	83.837	-4.8	99	0.00
24		Nitrobenzene	40.000	41.241	-3.1	97	0.00
25		Isophorone	40.000	39.900	0.3	97	0.00
26	C	2-Nitrophenol	40.000	44.588	-11.5	99	0.00
27		2,4-Dimethylphenol	40.000	40.557	-1.4	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.399	-1.0	97	0.00
29	C	2,4-Dichlorophenol	40.000	41.238	-3.1	97	0.00
30		1,2,4-Trichlorobenzene	40.000	40.280	-0.7	97	0.00
31		Naphthalene	40.000	40.214	-0.5	97	0.00
32		Benzoic acid	40.000	40.782	-2.0	100	0.00
33		4-Chloroaniline	40.000	40.267	-0.7	97	0.00
34	C	Hexachlorobutadiene	40.000	41.365	-3.4	99	0.00
35		Caprolactam	40.000	41.010	-2.5	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.944	-2.4	97	0.00
37		2-Methylnaphthalene	40.000	40.012	-0.0	96	0.00
38		1-Methylnaphthalene	40.000	40.456	-1.1	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.065	-2.7	97	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.680	-9.2	99	0.00
42	S	2,4,6-Tribromophenol	80.000	83.303	-4.1	96	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.870	-4.7	97	0.00
44		2,4,5-Trichlorophenol	40.000	42.155	-5.4	99	0.00
45	S	2-Fluorobiphenyl	80.000	81.084	-1.4	99	0.00
46		1,1'-Biphenyl	40.000	40.980	-2.4	97	0.00
47		2-Chloronaphthalene	40.000	40.956	-2.4	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.206	-10.5	98	0.00
49		Acenaphthylene	40.000	41.112	-2.8	97	0.00
50		Dimethylphthalate	40.000	40.961	-2.4	97	0.00
51		2,6-Dinitrotoluene	40.000	43.711	-9.3	98	0.00
52	C	Acenaphthene	40.000	40.334	-0.8	95	0.00
53		3-Nitroaniline	40.000	43.301	-8.3	99	0.00
54	P	2,4-Dinitrophenol	40.000	41.562	-3.9	105	0.00
55		Dibenzofuran	40.000	40.683	-1.7	96	0.00
56	P	4-Nitrophenol	40.000	44.142	-10.4	98	0.00
57		2,4-Dinitrotoluene	40.000	44.723	-11.8	99	0.00
58		Fluorene	40.000	40.804	-2.0	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.814	-4.5	97	0.00
60		Diethylphthalate	40.000	41.278	-3.2	96	0.00
61		4-Chlorophenyl-phenylether	40.000	40.082	-0.2	97	0.00
62		4-Nitroaniline	40.000	43.303	-8.3	97	0.00
63		Azobenzene	40.000	40.940	-2.3	96	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.212	-3.0	98	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.823	-4.6	97	0.00
67		4-Bromophenyl-phenylether	40.000	42.437	-6.1	97	0.00
68		Hexachlorobenzene	40.000	42.787	-7.0	98	0.00
69		Atrazine	40.000	40.987	-2.5	98	0.00
70	C	Pentachlorophenol	40.000	43.964	-9.9	97	0.00
71		Phenanthrene	40.000	41.461	-3.7	97	0.00
72		Anthracene	40.000	41.628	-4.1	97	0.00
73		Carbazole	40.000	42.020	-5.1	97	0.00
74		Di-n-butylphthalate	40.000	41.846	-4.6	97	0.00
75	C	Fluoranthene	40.000	41.499	-3.7	96	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	40.262	-0.7	80	0.00
78		Pyrene	40.000	43.205	-8.0	95	0.00
79	S	Terphenyl-d14	80.000	85.193	-6.5	95	0.00
80		Butylbenzylphthalate	40.000	42.986	-7.5	95	0.00
81		Benzo(a)anthracene	40.000	41.714	-4.3	94	0.00
82		3,3'-Dichlorobenzidine	40.000	41.931	-4.8	93	0.00
83		Chrysene	40.000	40.898	-2.2	93	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.927	-7.3	95	0.00
85	c	Di-n-octyl phthalate	40.000	41.572	-3.9	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	44.811	-12.0	96	0.00
88		Benzo(b)fluoranthene	40.000	39.137	2.2	94	0.00
89		Benzo(k)fluoranthene	40.000	40.733	-1.8	96	0.00
90	C	Benzo(a)pyrene	40.000	40.922	-2.3	95	0.00
91		Dibenzo(a,h)anthracene	40.000	45.223	-13.1	97	0.00
92		Benzo(g,h,i)perylene	40.000	42.056	-5.1	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136031.D
Acq On : 30 Oct 2023 16:24
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF103023

Quant Time: Oct 31 01:14:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 11/07/2023 11/07/2023

Calibration Time(s): 10:30 14:03

LAB FILE ID: RRF2.5 = BF136168.D RRF005 = BF136169.D RRF010 = BF136170.D
RRF020 = BF136171.D RRF040 = BF136172.D RRF050 = BF136173.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.256	3.4
Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.894	9.8
Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.546	3.8
Phenol		1.720	1.670	1.823	1.678	1.635	1.688	3.9
bis(2-Chloroethyl)ether		1.308	1.199	1.307	1.227	1.176	1.241	4.1
2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.352	4.3
2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.128	3.8
2,2-oxybis(1-Chloropropane)		1.709	1.580	1.714	1.601	1.548	1.621	4.0
Acetophenone		0.485	0.458	0.482	0.464	0.439	0.462	3.6
3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.408	6.9
n-Nitroso-di-n-propylamine	0.897	0.927	0.879	0.953	0.870	0.851	0.892	3.7
Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.358	3.5
Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.522	3.9
Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.349	3.2
Isophorone		0.603	0.584	0.637	0.633	0.612	0.619	3.3
2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.169	8.7
2,4-Dimethylphenol		0.268	0.270	0.297	0.297	0.279	0.284	4.2
bis(2-Chloroethoxy)methane		0.366	0.355	0.392	0.378	0.365	0.373	3.2
2,4-Dichlorophenol		0.264	0.266	0.290	0.288	0.270	0.277	3.8
Naphthalene		1.005	0.961	1.033	1.007	0.949	0.985	3.1
4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	3.8
Hexachlorobutadiene		0.190	0.176	0.195	0.194	0.185	0.187	3.5
Caprolactam		0.075	0.074	0.083	0.084	0.082	0.080	5.0
4-Chloro-3-methylphenol		0.276	0.274	0.305	0.306	0.288	0.291	4.3
2-Methylnaphthalene		0.677	0.644	0.694	0.677	0.637	0.661	3.3
Hexachlorocyclopentadiene		0.234	0.263	0.311	0.338	0.314	0.309	14.8
2,4,6-Trichlorophenol		0.361	0.357	0.387	0.397	0.357	0.375	4.5
2-Fluorobiphenyl		1.459	1.361	1.438	1.377	1.245	1.353	5.9
2,4,5-Trichlorophenol		0.431	0.396	0.438	0.456	0.417	0.432	4.7
1,1-Biphenyl		1.633	1.544	1.655	1.625	1.462	1.569	4.5
2-Chloronaphthalene		1.146	1.131	1.203	1.190	1.077	1.147	3.7
2-Nitroaniline		0.324	0.322	0.364	0.375	0.338	0.350	6.2
Dimethylphthalate		1.367	1.317	1.436	1.410	1.279	1.351	4.1
Acenaphthylene		1.789	1.721	1.853	1.841	1.678	1.771	3.5
2,6-Dinitrotoluene		0.271	0.278	0.308	0.315	0.285	0.293	5.4
3-Nitroaniline		0.286	0.294	0.329	0.339	0.308	0.313	6.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 11/07/2023 11/07/2023

Calibration Time(s): 10:30 14:03

LAB FILE ID: RRF2.5 = BF136168.D RRF005 = BF136169.D RRF010 = BF136170.D
RRF020 = BF136171.D RRF040 = BF136172.D RRF050 = BF136173.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.139	1.138	1.229	1.244	1.128	1.179	3.9
2,4-Dinitrophenol			0.070	0.103	0.135	0.127	0.120	23.6
4-Nitrophenol		0.159	0.174	0.220	0.235	0.219	0.208	14.0
Dibenzofuran		1.676	1.619	1.717	1.719	1.538	1.640	4.1
2,4-Dinitrotoluene		0.336	0.355	0.395	0.410	0.361	0.372	6.7
Diethylphthalate		1.528	1.381	1.432	1.395	1.245	1.356	8.0
4-Chlorophenyl-phenylether		0.671	0.633	0.687	0.658	0.576	0.633	6.6
Fluorene		1.288	1.264	1.336	1.299	1.152	1.244	5.6
4-Nitroaniline		0.263	0.257	0.299	0.321	0.282	0.285	7.5
4,6-Dinitro-2-methylphenol			0.075	0.099	0.114	0.111	0.106	16.0
n-Nitrosodiphenylamine		0.614	0.602	0.660	0.655	0.599	0.635	4.6
2,4,6-Tribromophenol		0.204	0.199	0.222	0.226	0.202	0.209	5.0
4-Bromophenyl-phenylether		0.211	0.204	0.229	0.236	0.215	0.223	5.7
Hexachlorobenzene		0.227	0.225	0.240	0.247	0.229	0.236	4.2
Atrazine		0.179	0.165	0.176	0.162	0.149	0.161	8.6
Pentachlorophenol		0.101	0.112	0.135	0.148	0.136	0.132	14.1
Phenanthrene		1.035	1.002	1.081	1.064	0.962	1.024	4.0
Anthracene		1.043	1.007	1.101	1.089	0.995	1.045	3.7
Carbazole		0.826	0.802	0.897	0.886	0.798	0.838	4.7
Di-n-butylphthalate		0.990	0.952	1.052	1.057	0.970	0.991	4.6
Fluoranthene		0.963	0.908	1.003	1.008	0.897	0.935	5.9
Pyrene		1.866	1.841	2.075	1.958	1.789	1.870	5.9
Terphenyl-d14		1.455	1.428	1.600	1.462	1.314	1.409	7.9
Butylbenzylphthalate		0.538	0.523	0.640	0.659	0.607	0.596	8.4
3,3-Dichlorobenzidine		0.361	0.367	0.427	0.464	0.432	0.426	10.8
Benzo(a)anthracene		1.264	1.236	1.387	1.387	1.289	1.327	4.9
Chrysene		1.252	1.201	1.346	1.345	1.250	1.298	5.3
Bis(2-ethylhexyl)phthalate		0.669	0.641	0.737	0.794	0.736	0.719	7.0
Di-n-octyl phthalate			0.916	1.101	1.286	1.214	1.204	14.7
Benzo(b)fluoranthene		1.060	1.021	1.129	1.171	1.071	1.104	5.4
Benzo(k)fluoranthene		1.073	1.046	1.196	1.161	1.068	1.112	4.8
Benzo(a)pyrene		0.963	1.013	1.138	1.143	1.076	1.089	6.9
Indeno(1,2,3-cd)pyrene		1.261	1.372	1.568	1.510	1.434	1.465	7.9
Dibenzo(a,h)anthracene		1.063	1.143	1.304	1.253	1.195	1.214	7.1
Benzo(g,h,i)perylene		1.067	1.170	1.331	1.255	1.208	1.231	7.4
1,2,4,5-Tetrachlorobenzene		0.608	0.587	0.622	0.618	0.554	0.599	3.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date(s): 11/07/2023 11/07/2023

Calibration Time(s): 10:30 14:03

LAB FILE ID: RRF2.5 = BF136168.D RRF005 = BF136169.D RRF010 = BF136170.D
RRF020 = BF136171.D RRF040 = BF136172.D RRF050 = BF136173.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.503	4.4
2,3,4,6-Tetrachlorophenol		0.305	0.307	0.356	0.354	0.320	0.328	6.3

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 02:12:01 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BF136168.D 5 =BF136169.D 10 =BF136170.D 20 =BF136171.D 40 =BF136172.D 50 =BF136173.D 60 =BF136174.D 80 =BF1361
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.471	0.481	0.515	0.507	0.492	0.524	0.530	0.503	4.44
3)		Pyridine		1.331	1.245	1.379	1.354	1.327	1.386	1.439	1.352	4.50
4)		n-Nitrosodimet...		0.590	0.559	0.640	0.621	0.611	0.644	0.674	0.620	6.14
5)	S	2-Fluorophenol		1.273	1.217	1.325	1.244	1.194	1.270	1.269	1.256	3.40
6)		Aniline		2.010	1.900	2.095	1.942	1.869	1.960	1.938	1.959	3.81
7)	S	Phenol-d6		1.609	1.488	1.638	1.530	1.476	1.533	1.546	1.546	3.83
8)		2-Chlorophenol		1.412	1.319	1.452	1.337	1.287	1.327	1.331	1.352	4.29
9)		Benzaldehyde		1.035	0.925	0.979	0.859	0.801	0.827	0.830	0.894	9.83
10)	C	Phenol		1.720	1.670	1.823	1.678	1.635	1.650	1.641	1.688	3.91
11)		bis(2-Chloroet...		1.308	1.199	1.307	1.227	1.176	1.233	1.234	1.241	4.05
12)		1,3-Dichlorobe...		1.470	1.362	1.496	1.427	1.380	1.411	1.438	1.426	3.33
13)	C	1,4-Dichlorobe...		1.474	1.386	1.500	1.414	1.374	1.427	1.436	1.430	3.15
14)		1,2-Dichlorobe...		1.436	1.321	1.427	1.320	1.283	1.312	1.312	1.344	4.54
15)		Benzyl Alcohol		1.168	1.120	1.240	1.153	1.123	1.154	1.135	1.156	3.53
16)		2,2'-oxybis(1-...		1.709	1.580	1.714	1.601	1.548	1.594	1.599	1.621	3.99
17)		2-Methylphenol		1.181	1.081	1.184	1.115	1.080	1.120	1.137	1.128	3.77
18)		Hexachloroethane		0.533	0.497	0.557	0.517	0.502	0.521	0.527	0.522	3.86
19)	P	n-Nitroso-di-n...	0.897	0.927	0.879	0.953	0.870	0.851	0.880	0.883	0.892	3.67
20)		3+4-Methylphenols		1.566	1.402	1.521	1.381	1.328	1.331	1.327	1.408	6.93
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.485	0.458	0.482	0.464	0.439	0.451	0.454	0.462	3.61
23)	S	Nitrobenzene-d5		0.352	0.335	0.372	0.367	0.354	0.362	0.367	0.358	3.53
24)		Nitrobenzene		0.341	0.330	0.360	0.357	0.346	0.347	0.361	0.349	3.24
25)		Isophorone		0.603	0.584	0.637	0.633	0.612	0.622	0.639	0.619	3.26
26)	C	2-Nitrophenol		0.145	0.151	0.176	0.182	0.174	0.177	0.180	0.169	8.71
27)		2,4-Dimethylph...		0.268	0.270	0.297	0.297	0.279	0.288	0.288	0.284	4.18
28)		bis(2-Chloroet...		0.366	0.355	0.392	0.378	0.365	0.377	0.377	0.373	3.19
29)	C	2,4-Dichloroph...		0.264	0.266	0.290	0.288	0.270	0.279	0.280	0.277	3.81
30)		1,2,4-Trichlor...		0.309	0.299	0.319	0.315	0.299	0.306	0.311	0.308	2.48
31)		Naphthalene		1.005	0.961	1.033	1.007	0.949	0.975	0.966	0.985	3.07
32)		Benzoic acid			0.134	0.179	0.202	0.208	0.208	0.225	0.193	16.66
33)		4-Chloroaniline		0.397	0.390	0.429	0.429	0.397	0.409	0.408	0.409	3.80
34)	C	Hexachlorobuta...		0.190	0.176	0.195	0.194	0.185	0.186	0.186	0.187	3.45
35)		Caprolactam		0.075	0.074	0.083	0.084	0.082	0.082	0.080	0.080	5.02
36)	C	4-Chloro-3-met...		0.276	0.274	0.305	0.306	0.288	0.293	0.292	0.291	4.32
37)		2-Methylnaphth...		0.677	0.644	0.694	0.677	0.637	0.647	0.647	0.661	3.32
38)		1-Methylnaphth...		0.627	0.600	0.643	0.628	0.589	0.600	0.602	0.613	3.20

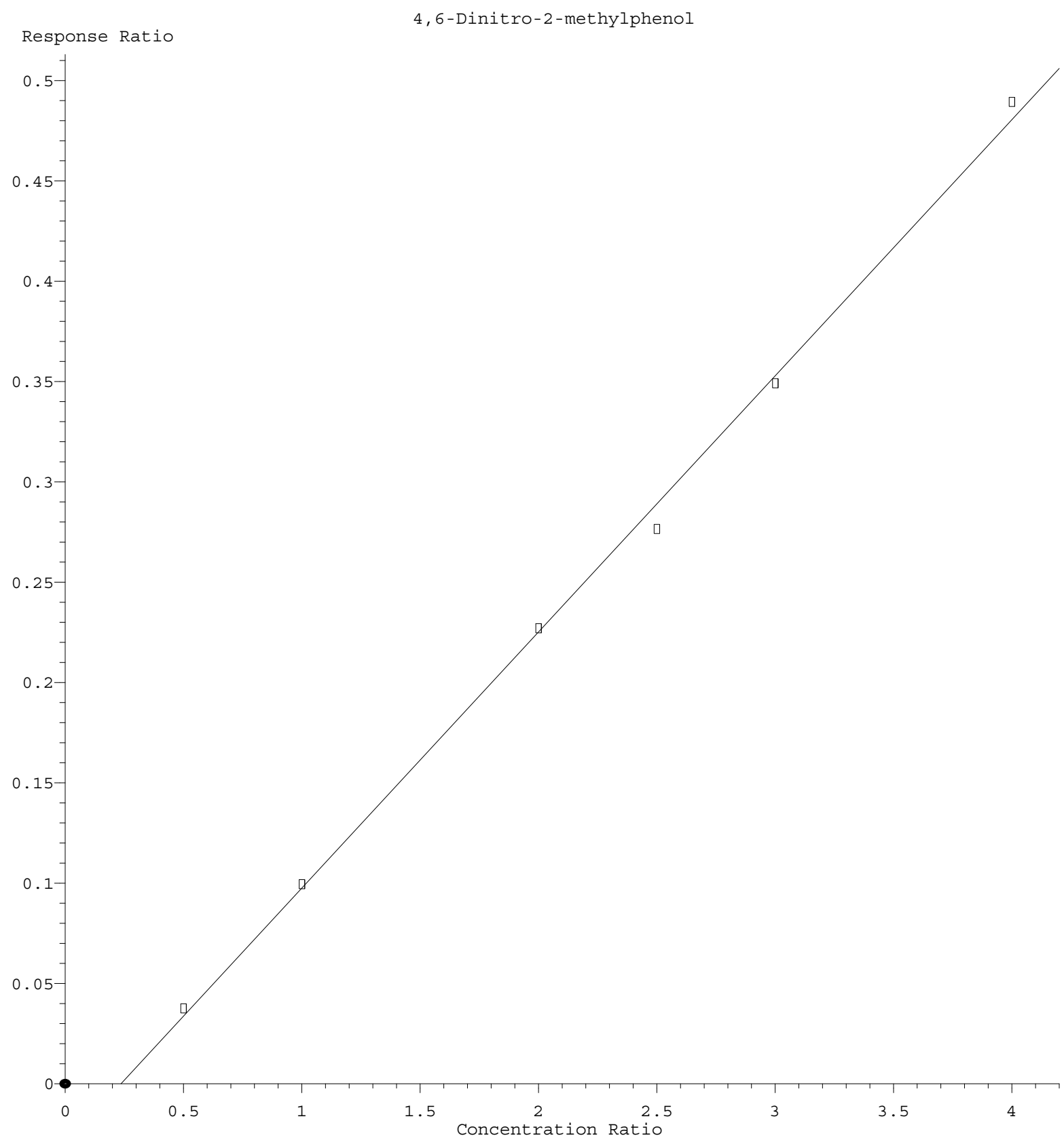
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.608	0.587	0.622	0.618	0.554	0.595	0.612	0.599	3.91
41)	P	Hexachlorocycl...	0.234	0.263	0.311	0.338	0.314	0.342	0.362	0.309	14.82
42)	S	2,4,6-Tribromo...	0.204	0.199	0.222	0.226	0.202	0.208	0.204	0.209	5.05
43)	C	2,4,6-Trichlor...	0.361	0.357	0.387	0.397	0.357	0.381	0.388	0.375	4.49
44)		2,4,5-Trichlor...	0.431	0.396	0.438	0.456	0.417	0.441	0.447	0.432	4.66
45)	S	2-Fluorobiphenyl	1.459	1.361	1.438	1.377	1.245	1.277	1.314	1.353	5.88
46)		1,1'-Biphenyl	1.633	1.544	1.655	1.625	1.462	1.524	1.543	1.569	4.45
47)		2-Chloronaphth...	1.146	1.131	1.203	1.190	1.077	1.124	1.159	1.147	3.70
48)		2-Nitroaniline	0.324	0.322	0.364	0.375	0.338	0.357	0.368	0.350	6.22
49)		Acenaphthylene	1.789	1.721	1.853	1.841	1.678	1.753	1.759	1.771	3.54
50)		Dimethylphthalate	1.367	1.317	1.436	1.410	1.279	1.318	1.332	1.351	4.14
51)		2,6-Dinitrotol...	0.271	0.278	0.308	0.315	0.285	0.294	0.301	0.293	5.45
52)	C	Acenaphthene	1.139	1.138	1.229	1.244	1.128	1.186	1.192	1.179	3.91
53)		3-Nitroaniline	0.286	0.294	0.329	0.339	0.308	0.315	0.318	0.313	5.99
54)	P	2,4-Dinitrophenol		0.070	0.103	0.135	0.127	0.135	0.147	0.120	23.60
55)		Dibenzofuran	1.676	1.619	1.717	1.719	1.538	1.599	1.610	1.640	4.07
56)	P	4-Nitrophenol	0.159	0.174	0.220	0.235	0.219	0.218	0.229	0.208	13.96
57)		2,4-Dinitrotol...	0.336	0.355	0.395	0.410	0.361	0.377	0.372	0.372	6.69
58)		Fluorene	1.288	1.264	1.336	1.299	1.152	1.188	1.185	1.244	5.57
59)		2,3,4,6-Tetrac...	0.305	0.307	0.356	0.354	0.320	0.325	0.326	0.328	6.26
60)		Diethylphthalate	1.528	1.381	1.432	1.395	1.245	1.260	1.249	1.356	8.01
61)		4-Chlorophenyl...	0.671	0.633	0.687	0.658	0.576	0.605	0.598	0.633	6.56
62)		4-Nitroaniline	0.263	0.257	0.299	0.321	0.282	0.283	0.289	0.285	7.53
63)		Azobenzene	1.183	1.155	1.252	1.266	1.119	1.175	1.153	1.186	4.55
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.075	0.099	0.114	0.111	0.116	0.122	0.106	16.02
66)	c	n-Nitrosodiphe...	0.614	0.602	0.660	0.655	0.599	0.644	0.668	0.635	4.57
67)		4-Bromophenyl-...	0.211	0.204	0.229	0.236	0.215	0.228	0.236	0.223	5.68
68)		Hexachlorobenzene	0.227	0.225	0.240	0.247	0.229	0.238	0.249	0.236	4.19
69)		Atrazine	0.179	0.165	0.176	0.162	0.149	0.151	0.143	0.161	8.65
70)	C	Pentachlorophenol	0.101	0.112	0.135	0.148	0.136	0.142	0.152	0.132	14.14
71)		Phenanthrene	1.035	1.002	1.081	1.064	0.962	1.000	1.025	1.024	3.96
72)		Anthracene	1.043	1.007	1.101	1.089	0.995	1.030	1.052	1.045	3.75
73)		Carbazole	0.826	0.802	0.897	0.886	0.798	0.816	0.840	0.838	4.68
74)		Di-n-butylphth...	0.990	0.952	1.052	1.057	0.970	0.950	0.966	0.991	4.55
75)	C	Fluoranthene	0.963	0.908	1.003	1.008	0.897	0.874	0.896	0.935	5.89
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.424	0.381	0.375	0.291	0.299	0.307	0.346	15.79
78)		Pyrene	1.866	1.841	2.075	1.958	1.789	1.791	1.773	1.870	5.89
79)	S	Terphenyl-d14	1.455	1.428	1.600	1.462	1.314	1.323	1.281	1.409	7.91
80)		Butylbenzylpht...	0.538	0.523	0.640	0.659	0.607	0.589	0.615	0.596	8.38
81)		Benzo(a)anthra...	1.264	1.236	1.387	1.387	1.289	1.327	1.396	1.327	4.94
82)		3,3'-Dichlorob...	0.361	0.367	0.427	0.464	0.432	0.450	0.481	0.426	10.81
83)		Chrysene	1.252	1.201	1.346	1.345	1.250	1.293	1.396	1.298	5.26
84)		Bis(2-ethylhex...	0.669	0.641	0.737	0.794	0.736	0.714	0.744	0.719	7.05
85)	c	Di-n-octyl pht...		0.916	1.101	1.286	1.214	1.282	1.427	1.204	14.67

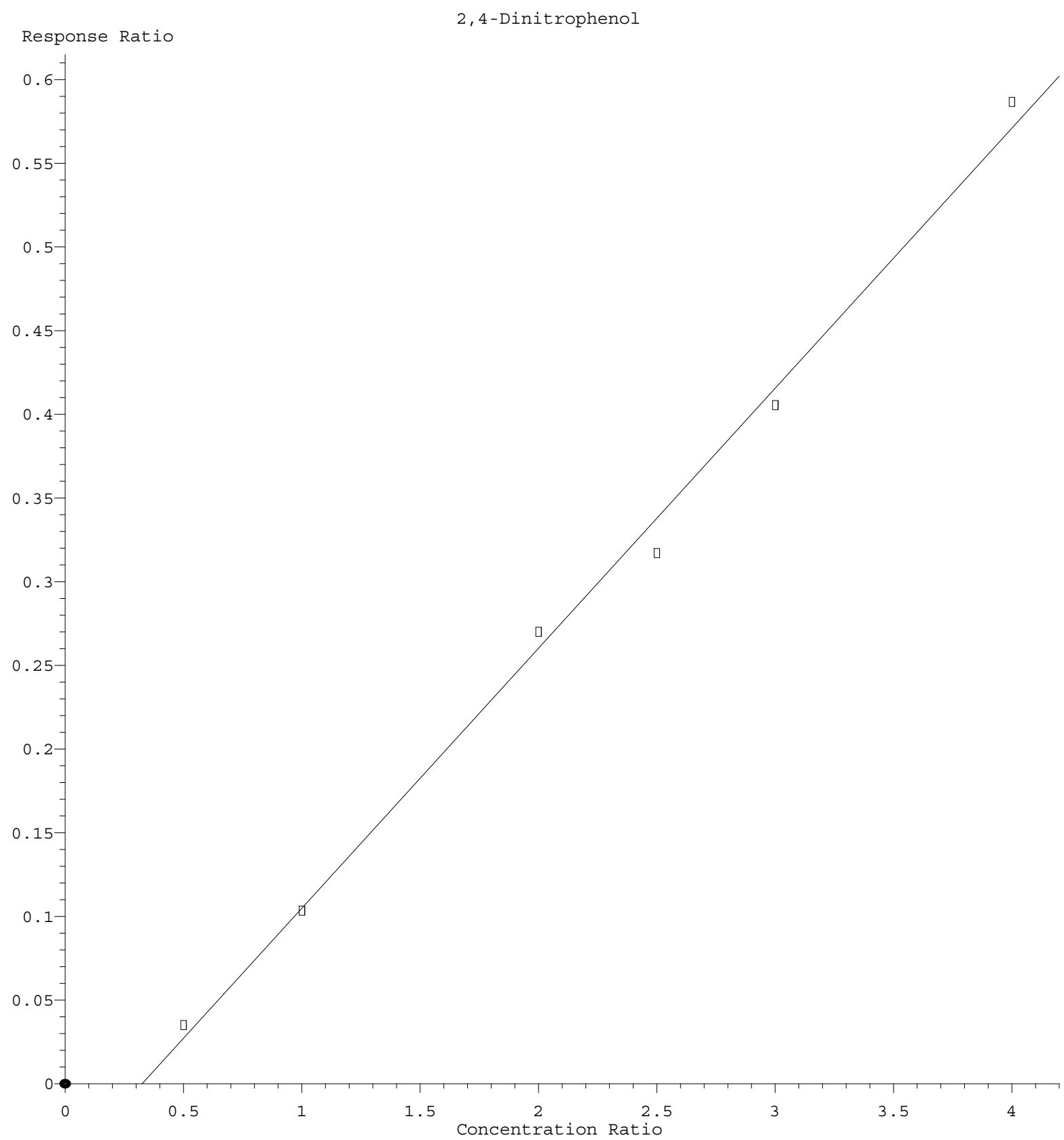
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF110723.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.261	1.372	1.568	1.510	1.434	1.546	1.567	1.465	7.91
88)		Benzo(b)fluora...	1.060	1.021	1.129	1.171	1.071	1.092	1.184	1.104	5.42
89)		Benzo(k)fluora...	1.073	1.046	1.196	1.161	1.068	1.122	1.116	1.112	4.83
90)	C	Benzo(a)pyrene	0.963	1.013	1.138	1.143	1.076	1.125	1.165	1.089	6.94
91)		Dibenzo(a,h)an...	1.063	1.143	1.304	1.253	1.195	1.265	1.278	1.214	7.07
92)		Benzo(g,h,i)pe...	1.067	1.170	1.331	1.255	1.208	1.290	1.298	1.231	7.39

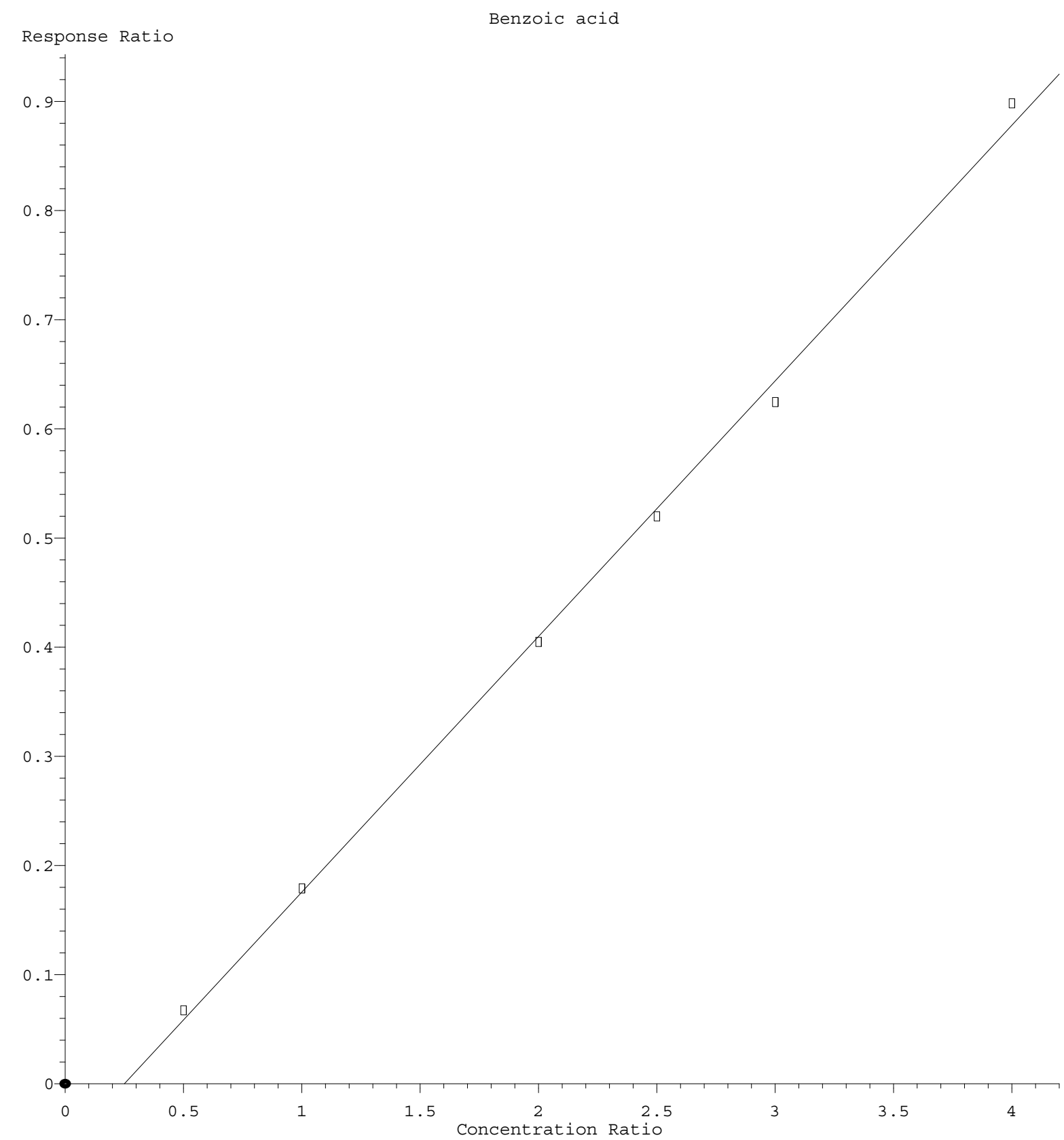
(#) = Out of Range



Response = 1.277e-001 * Amt - 3.008e-002
Coef of Det (r^2) = 0.998011 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
Calibration Table Last Updated: Wed Nov 08 02:12:01 2023



Response = 1.554e-001 * Amt - 5.043e-002
Coef of Det (r^2) = 0.995345 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
Calibration Table Last Updated: Wed Nov 08 02:12:01 2023



Response = 2.342e-001 * Amt - 5.862e-002
Coef of Det (r^2) = 0.997943 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF110723.M
Calibration Table Last Updated: Wed Nov 08 02:12:01 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136168.D
Acq On : 07 Nov 2023 10:30
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 08 01:52:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	96997	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	404242	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	212575	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	384474	20.000	ng	0.00
76) Chrysene-d12	14.004	240	196893	20.000	ng	0.00
86) Perylene-d12	15.498	264	184705	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...	7.222	70	10870	2.512	ng	97

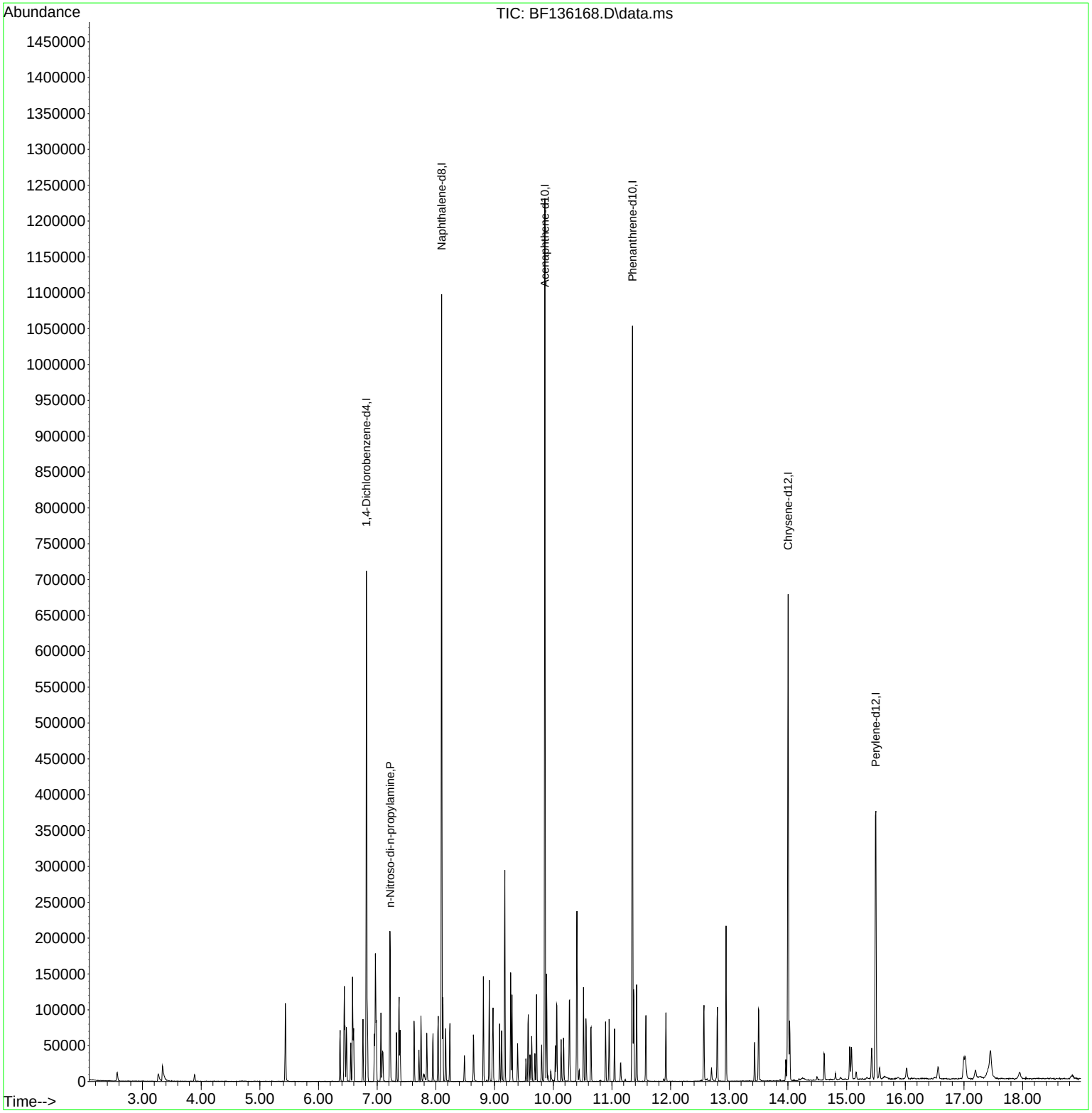
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136168.D
Acq On : 07 Nov 2023 10:30
Operator : CG\JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 08 01:52:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136169.D
Acq On : 07 Nov 2023 11:01
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:53:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	95400	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	401501	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	210227	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	385996	20.000	ng		0.00
76) Chrysene-d12	14.004	240	203358	20.000	ng		0.00
86) Perylene-d12	15.492	264	185885	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	60700	10.131	ng		-0.01
7) Phenol-d6	6.439	99	76741	10.409	ng		-0.02
23) Nitrobenzene-d5	7.375	82	70759	9.835	ng		-0.01
42) 2,4,6-Tribromophenol	10.645	330	21462	9.748	ng		0.00
45) 2-Fluorobiphenyl	9.175	172	153318	10.780	ng		0.00
79) Terphenyl-d14	12.945	244	147987	10.330	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.569	88	11231	4.681	ng		92
3) Pyridine	3.328	79	31746	4.924	ng		92
4) n-Nitrosodimethylamine	3.269	42	14082	4.762	ng		93
6) Aniline	6.475	93	47941	5.130	ng		98
8) 2-Chlorophenol	6.598	128	33676	5.221	ng		96
9) Benzaldehyde	6.369	77	24676	5.789	ng		96
10) Phenol	6.451	94	41013m	5.459	ng		
11) bis(2-Chloroethyl)ether	6.551	93	31206	5.273	ng		97
12) 1,3-Dichlorobenzene	6.757	146	35069	5.154	ng		99
13) 1,4-Dichlorobenzene	6.833	146	35164	5.154	ng		97
14) 1,2-Dichlorobenzene	6.986	146	34244	5.340	ng		99
15) Benzyl Alcohol	6.951	79	27863	5.053	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.092	45	40756	5.272	ng		97
17) 2-Methylphenol	7.063	107	28175	5.236	ng		99
18) Hexachloroethane	7.328	117	12711	5.106	ng		95
19) n-Nitroso-di-n-propyla...	7.222	70	22110	5.195	ng	#	96
20) 3+4-Methylphenols	7.216	107	37341	5.560	ng		96
22) Acetophenone	7.222	105	48656	5.249	ng		97
24) Nitrobenzene	7.392	77	34273	4.895	ng		94
25) Isophorone	7.633	82	60535	4.875	ng		98
26) 2-Nitrophenol	7.710	139	14529	4.281	ng		99
27) 2,4-Dimethylphenol	7.745	122	26940	4.726	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	36783	4.912	ng		96
29) 2,4-Dichlorophenol	7.951	162	26476	4.763	ng		97
30) 1,2,4-Trichlorobenzene	8.039	180	30983	5.006	ng		97
31) Naphthalene	8.116	128	100862	5.100	ng		99
33) 4-Chloroaniline	8.169	127	39845	4.857	ng		99
34) Hexachlorobutadiene	8.239	225	19094	5.075	ng		96
35) Caprolactam	8.498	113	7570	4.704	ng		95
36) 4-Chloro-3-methylphenol	8.645	107	27745	4.754	ng		95
37) 2-Methylnaphthalene	8.810	142	67980	5.126	ng		97
38) 1-Methylnaphthalene	8.910	142	62918	5.114	ng		99
40) 1,2,4,5-Tetrachloroben...	8.975	216	31950	5.071	ng		96
41) Hexachlorocyclopentadiene	8.963	237	12295	3.784	ng		99
43) 2,4,6-Trichlorophenol	9.086	196	18951	4.804	ng		97
44) 2,4,5-Trichlorophenol	9.122	196	22657	4.985	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136169.D
Acq On : 07 Nov 2023 11:01
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:53:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.275	154	85821	5.202	ng		97
47) 2-Chloronaphthalene	9.298	162	60246	4.996	ng		100
48) 2-Nitroaniline	9.392	65	17025	4.631	ng		84
49) Acenaphthylene	9.716	152	94037	5.053	ng		98
50) Dimethylphthalate	9.575	163	71820	5.056	ng		98
51) 2,6-Dinitrotoluene	9.639	165	14244	4.621	ng		90
52) Acenaphthene	9.886	154	59867	5.129	ng		98
53) 3-Nitroaniline	9.804	138	15026	4.572	ng	#	86
55) Dibenzofuran	10.063	168	88071	5.110	ng		99
56) 4-Nitrophenol	9.957	139	8364	3.830	ng		98
57) 2,4-Dinitrotoluene	10.039	165	17679	4.516	ng	#	87
58) Fluorene	10.404	166	67700	5.175	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.174	232	16050	4.470	ng		92
60) Diethylphthalate	10.280	149	80328	5.637	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	35283	5.306	ng		90
62) 4-Nitroaniline	10.410	138	13838	4.620	ng		90
63) Azobenzene	10.557	77	62181	4.987	ng		95
66) n-Nitrosodiphenylamine	10.516	169	59222	4.836	ng		98
67) 4-Bromophenyl-phenylether	10.892	248	20355	4.735	ng		95
68) Hexachlorobenzene	10.951	284	21910	4.801	ng		97
69) Atrazine	11.045	200	17279	5.570	ng		95
70) Pentachlorophenol	11.151	266	9783	3.832	ng		97
71) Phenanthrene	11.374	178	99848	5.051	ng		96
72) Anthracene	11.421	178	100687	4.990	ng		98
73) Carbazole	11.580	167	79731	4.932	ng		100
74) Di-n-butylphthalate	11.921	149	95520	4.994	ng		98
75) Fluoranthene	12.568	202	92955	5.150	ng		98
78) Pyrene	12.798	202	94851	4.988	ng		100
80) Butylbenzylphthalate	13.433	149	27377	4.518	ng		97
81) Benzo(a)anthracene	13.992	228	64269	4.765	ng		99
82) 3,3'-Dichlorobenzidine	13.962	252	18342	4.236	ng		98
83) Chrysene	14.027	228	63672	4.825	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	34031	4.653	ng		96
87) Indeno(1,2,3-cd)pyrene	16.998	276	58618	4.304	ng		100
88) Benzo(b)fluoranthene	15.051	252	49281	4.802	ng		98
89) Benzo(k)fluoranthene	15.080	252	49882	4.827	ng		97
90) Benzo(a)pyrene	15.427	252	44759	4.422	ng		96
91) Dibenzo(a,h)anthracene	17.021	278	49412	4.378	ng		97
92) Benzo(g,h,i)perylene	17.450	276	49585	4.333	ng		93

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

ICAL Form

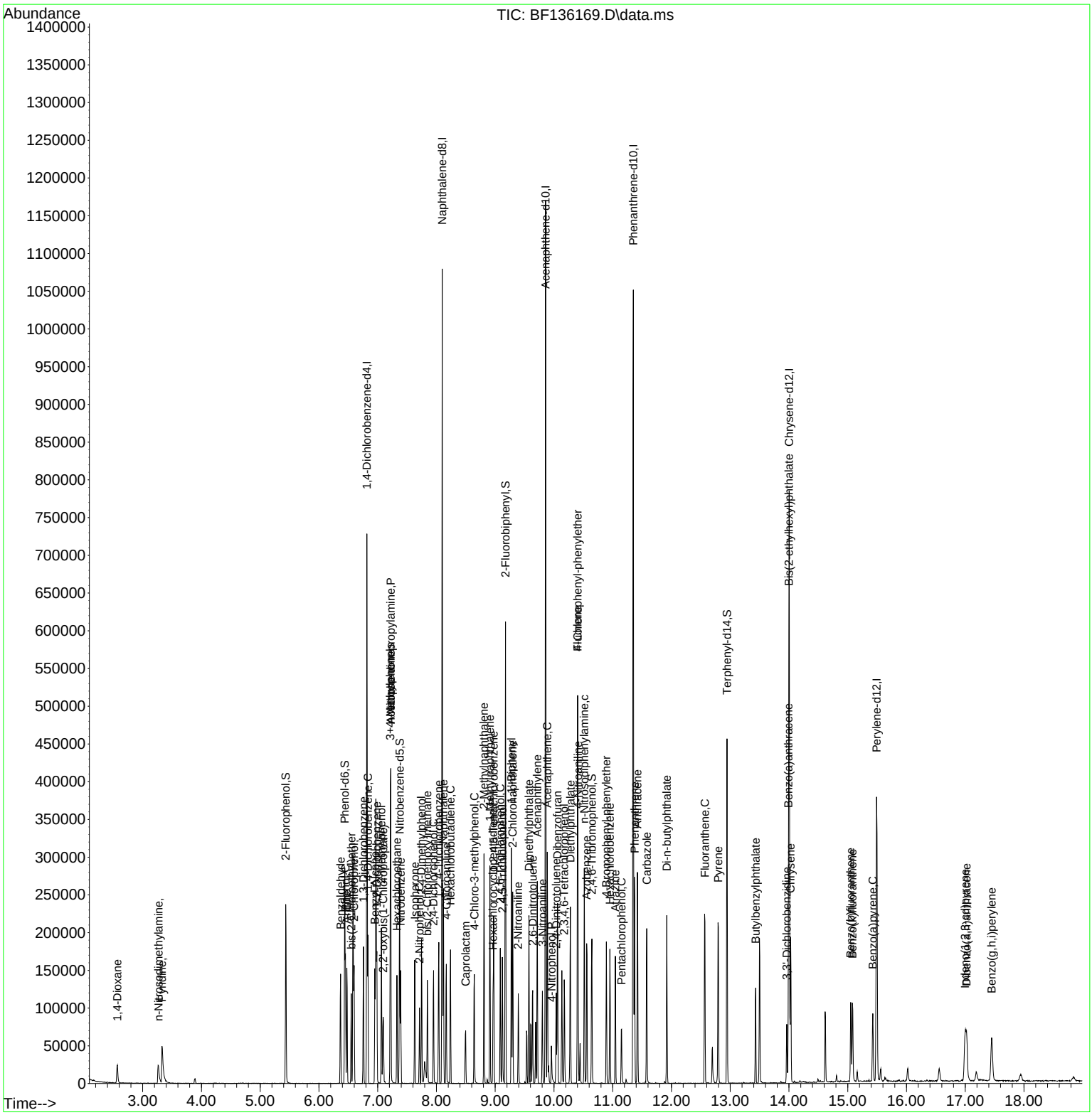
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136169.D
Acq On : 07 Nov 2023 11:01
Operator : CG\JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 08 01:53:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136170.D
Acq On : 07 Nov 2023 11:31
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 01:53:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	97386	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	394904	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	202737	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	361066	20.000	ng		0.00
76) Chrysene-d12	14.004	240	181088	20.000	ng		0.00
86) Perylene-d12	15.492	264	172657	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	118511	19.376	ng		0.00
7) Phenol-d6	6.439	99	144928	19.256	ng		-0.02
23) Nitrobenzene-d5	7.375	82	132157	18.675	ng		-0.01
42) 2,4,6-Tribromophenol	10.645	330	40442	19.046	ng		0.00
45) 2-Fluorobiphenyl	9.175	172	275998	20.124	ng		0.00
79) Terphenyl-d14	12.945	244	258585	20.269	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.569	88	23426	9.565	ng		98
3) Pyridine	3.328	79	60601	9.209	ng		96
4) n-Nitrosodimethylamine	3.269	42	27199	9.011	ng		100
6) Aniline	6.481	93	92539	9.701	ng		99
8) 2-Chlorophenol	6.598	128	64243	9.757	ng		97
9) Benzaldehyde	6.369	77	45017	10.346	ng		98
10) Phenol	6.457	94	81320	10.604	ng		95
11) bis(2-Chloroethyl)ether	6.551	93	58391	9.666	ng		98
12) 1,3-Dichlorobenzene	6.757	146	66334	9.551	ng		96
13) 1,4-Dichlorobenzene	6.834	146	67492	9.691	ng		98
14) 1,2-Dichlorobenzene	6.986	146	64309	9.824	ng		98
15) Benzyl Alcohol	6.951	79	54554	9.692	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.092	45	76945	9.750	ng		99
17) 2-Methylphenol	7.063	107	52628	9.580	ng		99
18) Hexachloroethane	7.328	117	24187	9.517	ng		95
19) n-Nitroso-di-n-propyla...	7.222	70	42777	9.846	ng		93
20) 3+4-Methylphenols	7.216	107	68269	9.958	ng	#	90
22) Acetophenone	7.222	105	90362	9.911	ng		96
24) Nitrobenzene	7.392	77	65080	9.450	ng		96
25) Isophorone	7.633	82	115311	9.442	ng		100
26) 2-Nitrophenol	7.710	139	29878	8.951	ng		96
27) 2,4-Dimethylphenol	7.751	122	53321	9.510	ng		98
28) bis(2-Chloroethoxy)met...	7.851	93	70178	9.528	ng		97
29) 2,4-Dichlorophenol	7.951	162	52471	9.598	ng		98
30) 1,2,4-Trichlorobenzene	8.039	180	59076	9.705	ng		94
31) Naphthalene	8.122	128	189828	9.758	ng		99
32) Benzoic acid	7.816	122	26551	10.639	ng		88
33) 4-Chloroaniline	8.169	127	77062	9.551	ng		99
34) Hexachlorobutadiene	8.239	225	34786	9.401	ng		98
35) Caprolactam	8.504	113	14604	9.226	ng		96
36) 4-Chloro-3-methylphenol	8.645	107	54055	9.418	ng		97
37) 2-Methylnaphthalene	8.810	142	127109	9.745	ng		100
38) 1-Methylnaphthalene	8.910	142	118478	9.791	ng		98
40) 1,2,4,5-Tetrachloroben...	8.975	216	59498	9.792	ng		99
41) Hexachlorocyclopentadiene	8.963	237	26616	8.495	ng		98
43) 2,4,6-Trichlorophenol	9.086	196	36173	9.508	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136170.D
Acq On : 07 Nov 2023 11:31
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:53:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	40190	9.170	ng	#	90
46) 1,1'-Biphenyl	9.275	154	156484	9.837	ng		99
47) 2-Chloronaphthalene	9.298	162	114617	9.857	ng		98
48) 2-Nitroaniline	9.392	65	32591	9.193	ng		88
49) Acenaphthylene	9.716	152	174487	9.721	ng		99
50) Dimethylphthalate	9.575	163	133531	9.748	ng		100
51) 2,6-Dinitrotoluene	9.639	165	28223	9.495	ng		90
52) Acenaphthene	9.892	154	115402	10.252	ng		99
53) 3-Nitroaniline	9.804	138	29768	9.393	ng		99
54) 2,4-Dinitrophenol	9.910	184	7103	10.999	ng		99
55) Dibenzofuran	10.063	168	164134	9.875	ng		98
56) 4-Nitrophenol	9.957	139	17669	8.390	ng		99
57) 2,4-Dinitrotoluene	10.039	165	36003	9.537	ng		94
58) Fluorene	10.404	166	128085	10.153	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.180	232	31099	8.981	ng		93
60) Diethylphthalate	10.280	149	139995	10.187	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	64181	10.008	ng		93
62) 4-Nitroaniline	10.416	138	26088	9.032	ng		95
63) Azobenzene	10.563	77	117106	9.740	ng		99
65) 4,6-Dinitro-2-methylph...	10.445	198	13562	10.597	ng		97
66) n-Nitrosodiphenylamine	10.516	169	108720	9.491	ng		98
67) 4-Bromophenyl-phenylether	10.892	248	36866	9.168	ng		93
68) Hexachlorobenzene	10.951	284	40614	9.513	ng		100
69) Atrazine	11.045	200	29861	10.290	ng		98
70) Pentachlorophenol	11.151	266	20227	8.471	ng		97
71) Phenanthrene	11.374	178	180956	9.787	ng		98
72) Anthracene	11.421	178	181850	9.635	ng		99
73) Carbazole	11.580	167	144769	9.573	ng		99
74) Di-n-butylphthalate	11.921	149	171952	9.611	ng		98
75) Fluoranthene	12.568	202	163857	9.704	ng		100
77) Benzidine	12.692	184	38428	12.255	ng		99
78) Pyrene	12.798	202	166673	9.843	ng		99
80) Butylbenzylphthalate	13.433	149	47393	8.783	ng		96
81) Benzo(a)anthracene	13.992	228	111884	9.315	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	33260	8.626	ng		97
83) Chrysene	14.027	228	108771	9.256	ng		98
84) Bis(2-ethylhexyl)phtha...	13.998	149	58063	8.915	ng		97
85) Di-n-octyl phthalate	14.615	149	82954	7.607	ng	#	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	118439	9.362	ng		99
88) Benzo(b)fluoranthene	15.057	252	88184m	9.251	ng		
89) Benzo(k)fluoranthene	15.080	252	90331	9.410	ng		98
90) Benzo(a)pyrene	15.427	252	87426	9.299	ng		98
91) Dibenzo(a,h)anthracene	17.027	278	98696	9.414	ng		99
92) Benzo(g,h,i)perylene	17.456	276	101018	9.504	ng		97

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

ICAL Form

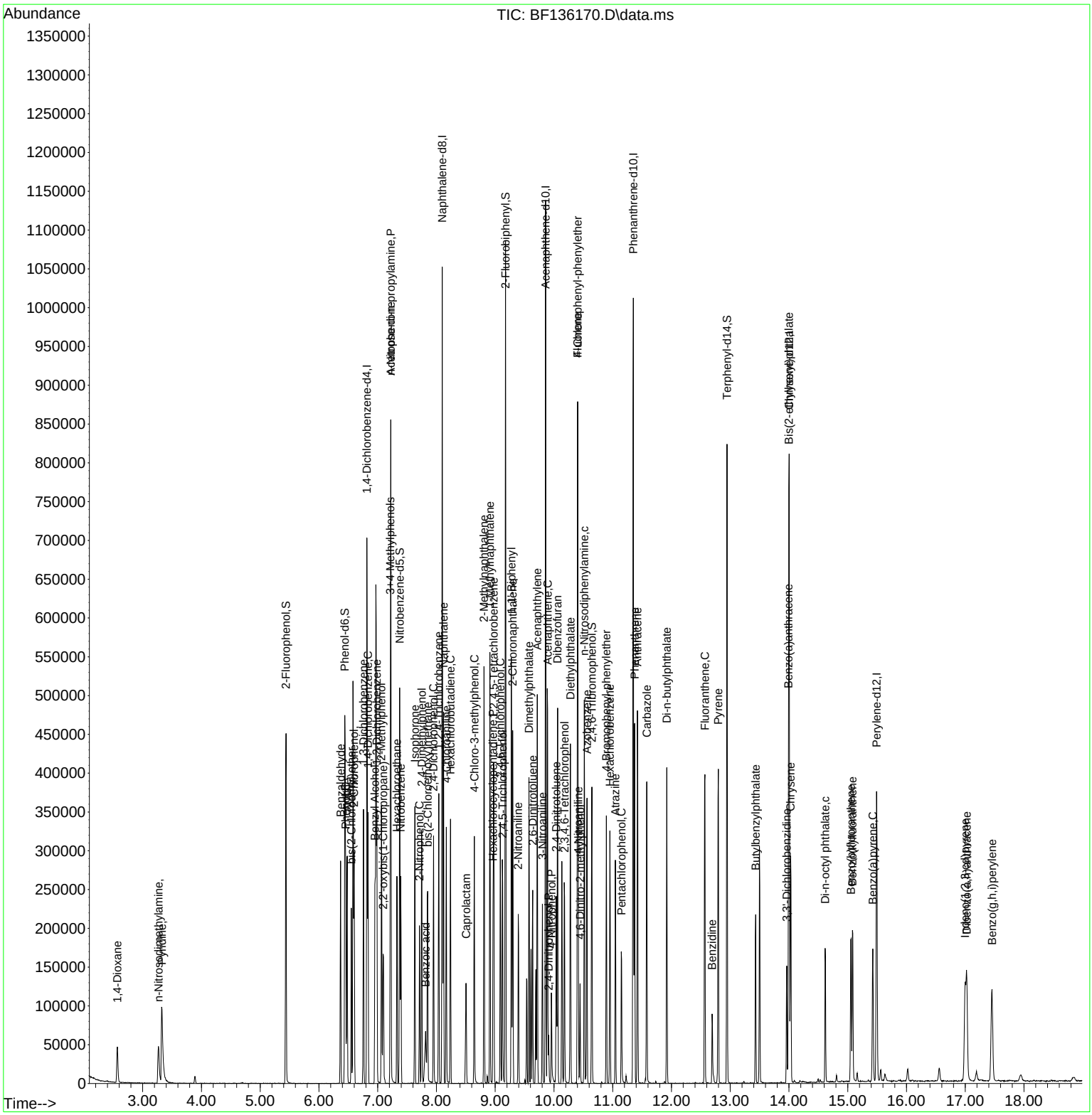
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136170.D
Acq On : 07 Nov 2023 11:31
Operator : CG\JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 01:53:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136171.D
Acq On : 07 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 08 01:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	89626	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	362705	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	187897	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	332807	20.000	ng		0.00
76) Chrysene-d12	14.004	240	158235	20.000	ng	#	0.00
86) Perylene-d12	15.492	264	157175	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	237568	42.205	ng		0.00
7) Phenol-d6	6.445	99	293566	42.383	ng		-0.01
23) Nitrobenzene-d5	7.381	82	269791	41.508	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	83569	42.466	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	540372	42.511	ng		0.00
79) Terphenyl-d14	12.945	244	506253	45.414	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	46195	20.494	ng		99
3) Pyridine	3.322	79	123594	20.407	ng		98
4) n-Nitrosodimethylamine	3.275	42	57385	20.657	ng		95
6) Aniline	6.481	93	187745	21.386	ng		99
8) 2-Chlorophenol	6.604	128	130141	21.477	ng		95
9) Benzaldehyde	6.369	77	87728	21.907	ng		97
10) Phenol	6.457	94	163370	23.147	ng		100
11) bis(2-Chloroethyl)ether	6.557	93	117101	21.063	ng		98
12) 1,3-Dichlorobenzene	6.757	146	134114	20.982	ng		97
13) 1,4-Dichlorobenzene	6.834	146	134409	20.971	ng		98
14) 1,2-Dichlorobenzene	6.987	146	127923	21.235	ng		98
15) Benzyl Alcohol	6.957	79	111098	21.446	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.092	45	153653	21.155	ng		99
17) 2-Methylphenol	7.069	107	106121	20.990	ng		98
18) Hexachloroethane	7.328	117	49920	21.343	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	85372	21.352	ng		97
20) 3+4-Methylphenols	7.222	107	136294	21.601	ng		96
22) Acetophenone	7.228	105	174802	20.874	ng	#	98
24) Nitrobenzene	7.398	77	130545	20.638	ng		99
25) Isophorone	7.634	82	230951	20.590	ng		99
26) 2-Nitrophenol	7.716	139	63674	20.769	ng		93
27) 2,4-Dimethylphenol	7.751	122	107721	20.918	ng		100
28) bis(2-Chloroethoxy)met...	7.851	93	142269	21.031	ng		98
29) 2,4-Dichlorophenol	7.951	162	105327	20.977	ng		99
30) 1,2,4-Trichlorobenzene	8.039	180	115880	20.727	ng		99
31) Naphthalene	8.122	128	374707	20.972	ng		100
32) Benzoic acid	7.839	122	64917	20.036	ng		95
33) 4-Chloroaniline	8.169	127	155713	21.012	ng		98
34) Hexachlorobutadiene	8.239	225	70757	20.819	ng		99
35) Caprolactam	8.522	113	30264	20.817	ng	#	86
36) 4-Chloro-3-methylphenol	8.645	107	110636	20.986	ng		100
37) 2-Methylnaphthalene	8.810	142	251853	21.024	ng		98
38) 1-Methylnaphthalene	8.910	142	233150	20.977	ng		99
40) 1,2,4,5-Tetrachloroben...	8.975	216	116872	20.754	ng		99
41) Hexachlorocyclopentadiene	8.963	237	58364	20.098	ng		99
43) 2,4,6-Trichlorophenol	9.086	196	72725	20.625	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136171.D
Acq On : 07 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 08 01:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

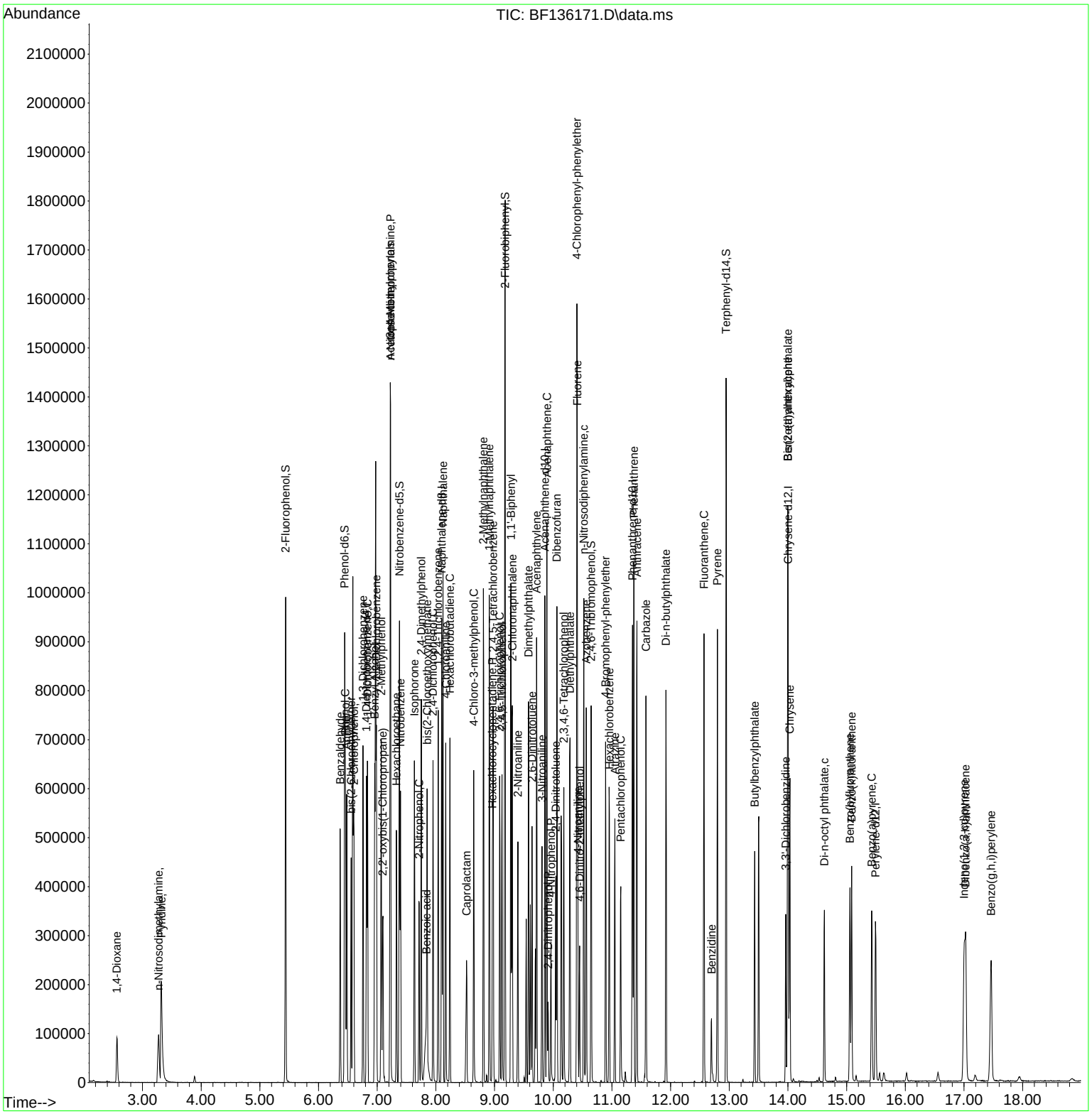
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	82295	20.259	ng		93
46) 1,1'-Biphenyl	9.281	154	310907	21.087	ng		98
47) 2-Chloronaphthalene	9.304	162	226019	20.973	ng		96
48) 2-Nitroaniline	9.398	65	68464	20.836	ng		97
49) Acenaphthylene	9.716	152	348154	20.929	ng		99
50) Dimethylphthalate	9.580	163	269863	21.257	ng		99
51) 2,6-Dinitrotoluene	9.639	165	57947	21.035	ng		97
52) Acenaphthene	9.892	154	230946	22.136	ng		99
53) 3-Nitroaniline	9.810	138	61888	21.071	ng		99
54) 2,4-Dinitrophenol	9.916	184	19433	19.800	ng	#	83
55) Dibenzofuran	10.063	168	322541	20.938	ng		99
56) 4-Nitrophenol	9.963	139	41418	21.220	ng		91
57) 2,4-Dinitrotoluene	10.045	165	74268	21.227	ng		98
58) Fluorene	10.410	166	251041	21.472	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	66943	20.859	ng		97
60) Diethylphthalate	10.286	149	269033	21.124	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	129077	21.718	ng		94
62) 4-Nitroaniline	10.422	138	56223	21.003	ng		99
63) Azobenzene	10.563	77	235319	21.117	ng		97
65) 4,6-Dinitro-2-methylph...	10.451	198	33102	20.296	ng		92
66) n-Nitrosodiphenylamine	10.522	169	219819	20.819	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	76092	20.529	ng		92
68) Hexachlorobenzene	10.957	284	79937	20.314	ng	#	92
69) Atrazine	11.051	200	58644	21.924	ng		97
70) Pentachlorophenol	11.151	266	44892	20.397	ng		97
71) Phenanthrene	11.374	178	359673	21.104	ng		98
72) Anthracene	11.427	178	366372	21.060	ng		98
73) Carbazole	11.580	167	298376	21.405	ng		99
74) Di-n-butylphthalate	11.922	149	349981	21.223	ng		99
75) Fluoranthene	12.569	202	333744	21.444	ng		99
77) Benzidine	12.698	184	60351	22.026	ng		99
78) Pyrene	12.798	202	328317	22.188	ng		99
80) Butylbenzylphthalate	13.433	149	101223	21.468	ng		99
81) Benzo(a)anthracene	13.998	228	219528	20.916	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	67519	20.039	ng		97
83) Chrysene	14.033	228	213047	20.748	ng		100
84) Bis(2-ethylhexyl)phtha...	13.998	149	116659	20.499	ng		97
85) Di-n-octyl phthalate	14.621	149	174186	18.281	ng		99
87) Indeno(1,2,3-cd)pyrene	17.004	276	246488	21.404	ng		99
88) Benzo(b)fluoranthene	15.057	252	177457	20.450	ng		99
89) Benzo(k)fluoranthene	15.086	252	187967	21.510	ng		99
90) Benzo(a)pyrene	15.427	252	178802	20.890	ng		98
91) Dibenzo(a,h)anthracene	17.027	278	204909	21.470	ng		99
92) Benzo(g,h,i)perylene	17.462	276	209240	21.624	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136171.D
Acq On : 07 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Nov 08 01:54:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136172.D
Acq On : 07 Nov 2023 12:31
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:55:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	94039	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	355903	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	179783	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	318009	20.000	ng	0.00
76) Chrysene-d12	14.010	240	161950	20.000	ng	0.00
86) Perylene-d12	15.498	264	176876	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	467962	79.234	ng	0.00
7) Phenol-d6	6.457	99	575406	79.174	ng	0.00
23) Nitrobenzene-d5	7.387	82	522341	81.900	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	162804	86.463	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	990427	81.434	ng	0.00
79) Terphenyl-d14	12.951	244	947169	83.018	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.569	88	95381	40.329	ng	100
3) Pyridine	3.322	79	254601	40.065	ng	100
4) n-Nitrosodimethylamine	3.293	42	116813	40.075	ng	100
6) Aniline	6.487	93	365154	39.642	ng	100
8) 2-Chlorophenol	6.604	128	251374	39.537	ng	100
9) Benzaldehyde	6.375	77	161577	38.455	ng	100
10) Phenol	6.469	94	315552	42.611	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	230796	39.565	ng	100
12) 1,3-Dichlorobenzene	6.763	146	268329	40.010	ng	100
13) 1,4-Dichlorobenzene	6.840	146	266036	39.560	ng	100
14) 1,2-Dichlorobenzene	6.992	146	248178	39.263	ng	100
15) Benzyl Alcohol	6.963	79	216769	39.880	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	301129	39.515	ng	100
17) 2-Methylphenol	7.075	107	209647	39.521	ng	100
18) Hexachloroethane	7.328	117	97190	39.603	ng	100
19) n-Nitroso-di-n-propyla...	7.239	70	163556	38.986	ng	100
20) 3+4-Methylphenols	7.228	107	259816	39.246	ng	100
22) Acetophenone	7.234	105	330398	40.209	ng	100
24) Nitrobenzene	7.404	77	254263	40.965	ng	100
25) Isophorone	7.639	82	450674	40.946	ng	100
26) 2-Nitrophenol	7.716	139	129331	42.991	ng	100
27) 2,4-Dimethylphenol	7.757	122	211679	41.891	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	269139	40.546	ng	100
29) 2,4-Dichlorophenol	7.957	162	205216	41.652	ng	100
30) 1,2,4-Trichlorobenzene	8.039	180	224147	40.859	ng	100
31) Naphthalene	8.122	128	716936	40.893	ng	100
32) Benzoic acid	7.869	122	144054m	39.023	ng	
33) 4-Chloroaniline	8.175	127	305449	42.005	ng	100
34) Hexachlorobutadiene	8.239	225	138185	41.436	ng	100
35) Caprolactam	8.551	113	60125	42.147	ng	100
36) 4-Chloro-3-methylphenol	8.651	107	217811	42.106	ng	100
37) 2-Methylnaphthalene	8.816	142	481889	40.995	ng	100
38) 1-Methylnaphthalene	8.916	142	447165	41.001	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	222036	41.209	ng	100
41) Hexachlorocyclopentadiene	8.969	237	121588	43.760	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	142769	42.316	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136172.D
Acq On : 07 Nov 2023 12:31
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:55:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	164112	42.224	ng	100
46) 1,1'-Biphenyl	9.281	154	584202	41.411	ng	100
47) 2-Chloronaphthalene	9.304	162	427879	41.495	ng	100
48) 2-Nitroaniline	9.404	65	134786	42.872	ng	100
49) Acenaphthylene	9.722	152	661849	41.582	ng	100
50) Dimethylphthalate	9.586	163	507069	41.744	ng	100
51) 2,6-Dinitrotoluene	9.645	165	113122	42.917	ng	100
52) Acenaphthene	9.892	154	447128	44.791	ng	100
53) 3-Nitroaniline	9.816	138	121841	43.355	ng	100
54) 2,4-Dinitrophenol	9.916	184	48546	41.241	ng	100
55) Dibenzofuran	10.069	168	618128	41.937	ng	100
56) 4-Nitrophenol	9.969	139	84447	45.219	ng	100
57) 2,4-Dinitrotoluene	10.051	165	147584	44.085	ng	100
58) Fluorene	10.410	166	466905	41.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	127383	41.484	ng	95
60) Diethylphthalate	10.286	149	501539	41.156	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	236747	41.631	ng	100
62) 4-Nitroaniline	10.433	138	115440	45.072	ng	100
63) Azobenzene	10.569	77	455084	42.682	ng	100
65) 4,6-Dinitro-2-methylph...	10.457	198	72193	40.280	ng	100
66) n-Nitrosodiphenylamine	10.527	169	416580	41.290	ng	100
67) 4-Bromophenyl-phenylether	10.898	248	150389	42.462	ng	100
68) Hexachlorobenzene	10.957	284	157407	41.861	ng	100
69) Atrazine	11.057	200	103114	40.343	ng	100
70) Pentachlorophenol	11.151	266	94143	44.765	ng	100
71) Phenanthrene	11.374	178	676882	41.565	ng	100
72) Anthracene	11.427	178	692619	41.667	ng	100
73) Carbazole	11.586	167	563290	42.289	ng	100
74) Di-n-butylphthalate	11.922	149	672145	42.655	ng	100
75) Fluoranthene	12.574	202	640810	43.090	ng	100
77) Benzidine	12.698	184	121364	43.278	ng	100
78) Pyrene	12.804	202	634038	41.867	ng	100
80) Butylbenzylphthalate	13.433	149	213428	44.228	ng	100
81) Benzo(a)anthracene	13.998	228	449325	41.829	ng	100
82) 3,3'-Dichlorobenzidine	13.963	252	150281	43.579	ng	100
83) Chrysene	14.033	228	435656	41.455	ng	100
84) Bis(2-ethylhexyl)phtha...	13.998	149	257241	44.165	ng	100
85) Di-n-octyl phthalate	14.621	149	416483	42.708	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	534004	41.205	ng	100
88) Benzo(b)fluoranthene	15.057	252	414346	42.430	ng	100
89) Benzo(k)fluoranthene	15.092	252	410872	41.782	ng	100
90) Benzo(a)pyrene	15.433	252	404495	41.996	ng	100
91) Dibenzo(a,h)anthracene	17.039	278	443104	41.256	ng	100
92) Benzo(g,h,i)perylene	17.474	276	443813	40.757	ng	100

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

ICAL Form

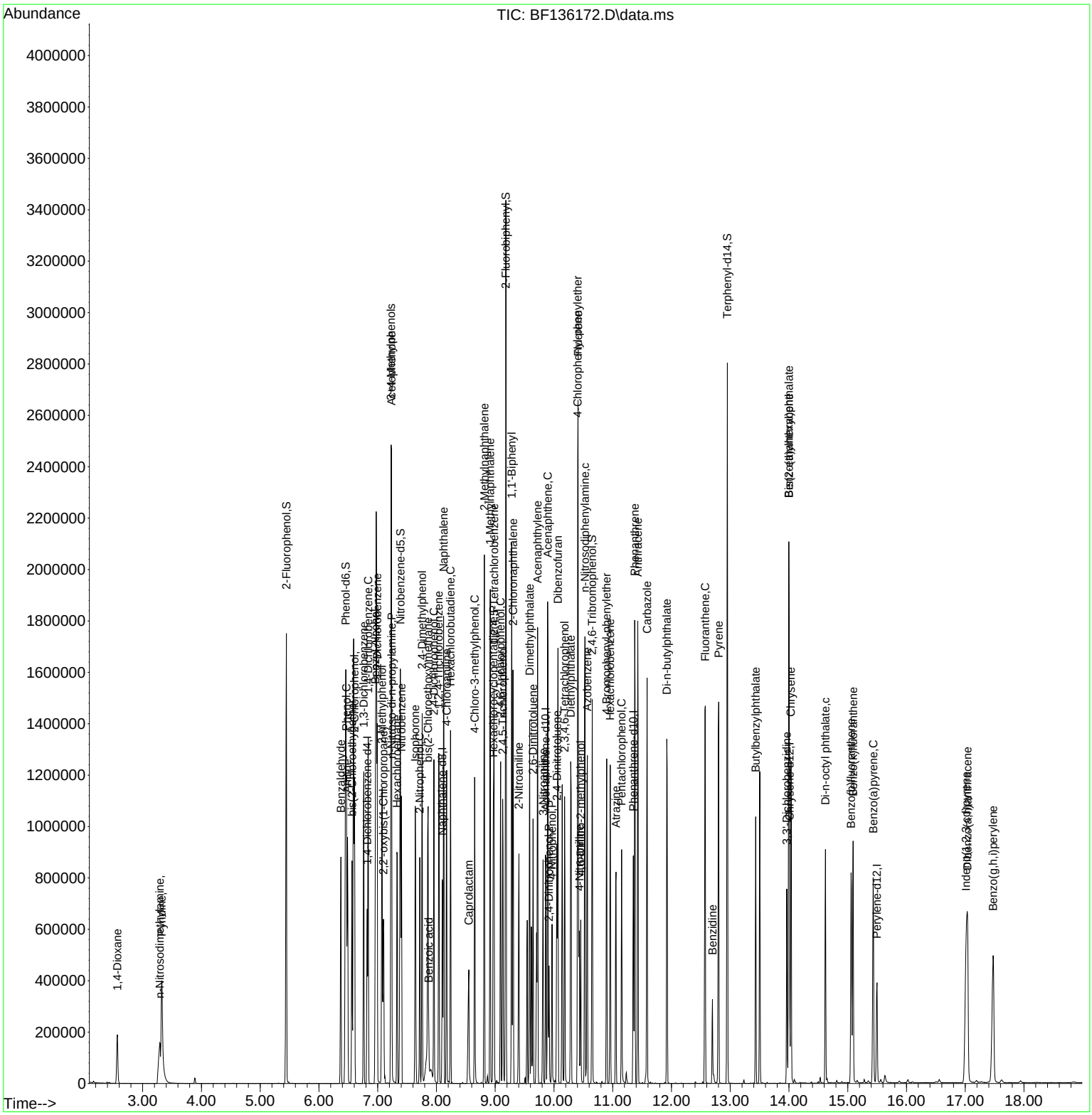
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136172.D
Acq On : 07 Nov 2023 12:31
Operator : CG\JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 08 01:55:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136173.D
Acq On : 07 Nov 2023 13:02
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 01:55:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	90461	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	348864	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	184700	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	316287	20.000	ng		0.00
76) Chrysene-d12	14.010	240	156376	20.000	ng		0.00
86) Perylene-d12	15.498	264	178946	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	540209	95.084	ng		0.00
7) Phenol-d6	6.457	99	667663	95.502	ng		0.00
23) Nitrobenzene-d5	7.387	82	617741	98.812	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	186264	96.288	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1149719	92.015	ng		0.00
79) Terphenyl-d14	12.951	244	1027096	93.233	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	111299	48.921	ng		99
3) Pyridine	3.322	79	300037	49.082	ng		99
4) n-Nitrosodimethylamine	3.299	42	138082	49.246	ng		98
6) Aniline	6.487	93	422588	47.692	ng		97
8) 2-Chlorophenol	6.604	128	291051	47.589	ng		99
9) Benzaldehyde	6.375	77	181203	44.832	ng		99
10) Phenol	6.469	94	369688	51.895	ng		98
11) bis(2-Chloroethyl)ether	6.563	93	265865	47.380	ng		97
12) 1,3-Dichlorobenzene	6.763	146	311994	48.360	ng		99
13) 1,4-Dichlorobenzene	6.840	146	310737	48.035	ng		99
14) 1,2-Dichlorobenzene	6.993	146	290058	47.704	ng		99
15) Benzyl Alcohol	6.963	79	253893	48.558	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	350003	47.745	ng		99
17) 2-Methylphenol	7.075	107	244283	47.871	ng		98
18) Hexachloroethane	7.328	117	113568	48.107	ng		98
19) n-Nitroso-di-n-propyla...	7.240	70	192471	47.693	ng		98
20) 3+4-Methylphenols	7.228	107	300222	47.143	ng		95
22) Acetophenone	7.234	105	382462	47.484	ng	#	96
24) Nitrobenzene	7.404	77	301715	49.591	ng		96
25) Isophorone	7.645	82	533790	49.476	ng		99
26) 2-Nitrophenol	7.716	139	151467	51.366	ng		99
27) 2,4-Dimethylphenol	7.757	122	243107	49.081	ng		99
28) bis(2-Chloroethoxy)met...	7.857	93	318203	48.905	ng		98
29) 2,4-Dichlorophenol	7.957	162	235869	48.839	ng		99
30) 1,2,4-Trichlorobenzene	8.040	180	260785	48.497	ng		100
31) Naphthalene	8.128	128	827862	48.173	ng		100
32) Benzoic acid	7.875	122	181340m	48.697	ng		
33) 4-Chloroaniline	8.175	127	346594	48.625	ng		97
34) Hexachlorobutadiene	8.240	225	160974	49.244	ng		99
35) Caprolactam	8.557	113	71593	51.198	ng		98
36) 4-Chloro-3-methylphenol	8.651	107	251420	49.583	ng		100
37) 2-Methylnaphthalene	8.816	142	555375	48.200	ng		98
38) 1-Methylnaphthalene	8.916	142	513994	48.080	ng		96
40) 1,2,4,5-Tetrachloroben...	8.981	216	255856	46.221	ng		99
41) Hexachlorocyclopentadiene	8.969	237	145115	50.837	ng		100
43) 2,4,6-Trichlorophenol	9.092	196	164715	47.521	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136173.D
Acq On : 07 Nov 2023 13:02
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:55:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	192383	48.180	ng		94
46) 1,1'-Biphenyl	9.287	154	674999	46.574	ng		99
47) 2-Chloronaphthalene	9.304	162	497373	46.951	ng		99
48) 2-Nitroaniline	9.404	65	156163	48.349	ng		93
49) Acenaphthylene	9.722	152	774683	47.376	ng		100
50) Dimethylphthalate	9.587	163	590619	47.328	ng		98
51) 2,6-Dinitrotoluene	9.651	165	131577	48.590	ng		86
52) Acenaphthene	9.898	154	520748	50.777	ng		99
53) 3-Nitroaniline	9.816	138	142018	49.189	ng		98
54) 2,4-Dinitrophenol	9.922	184	58565	47.296	ng	#	86
55) Dibenzofuran	10.069	168	710356	46.911	ng		99
56) 4-Nitrophenol	9.969	139	101183	52.738	ng		98
57) 2,4-Dinitrotoluene	10.051	165	166552	48.427	ng		93
58) Fluorene	10.410	166	531841	46.276	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	147972	46.906	ng		94
60) Diethylphthalate	10.292	149	574745	45.908	ng		98
61) 4-Chlorophenyl-phenyle...	10.404	204	265889	45.511	ng		99
62) 4-Nitroaniline	10.434	138	130028	49.416	ng		95
63) Azobenzene	10.569	77	516495	47.152	ng		98
65) 4,6-Dinitro-2-methylph...	10.457	198	87453	48.033	ng		96
66) n-Nitrosodiphenylamine	10.528	169	473443	47.182	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	170287	48.341	ng		99
68) Hexachlorobenzene	10.957	284	180752	48.332	ng		100
69) Atrazine	11.057	200	117600	46.261	ng		97
70) Pentachlorophenol	11.151	266	107493	51.391	ng		99
71) Phenanthrene	11.381	178	760643	46.963	ng		98
72) Anthracene	11.433	178	787011	47.603	ng		99
73) Carbazole	11.586	167	631059	47.635	ng		99
74) Di-n-butylphthalate	11.928	149	766857	48.931	ng		99
75) Fluoranthene	12.575	202	709031	47.937	ng		99
77) Benzidine	12.698	184	113657	41.975	ng		98
78) Pyrene	12.804	202	699523	47.837	ng		99
80) Butylbenzylphthalate	13.433	149	237418	50.953	ng		96
81) Benzo(a)anthracene	13.998	228	503786	48.571	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	168769	50.685	ng		99
83) Chrysene	14.039	228	488771	48.167	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	287550	51.128	ng		99
85) Di-n-octyl phthalate	14.621	149	474642	50.407	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	641520	48.929	ng		100
88) Benzo(b)fluoranthene	15.063	252	479175	48.501	ng		98
89) Benzo(k)fluoranthene	15.092	252	477938	48.039	ng		99
90) Benzo(a)pyrene	15.433	252	481404	49.402	ng		99
91) Dibenzo(a,h)anthracene	17.045	278	534793	49.217	ng		99
92) Benzo(g,h,i)perylene	17.480	276	540611	49.072	ng		98

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

ICAL Form

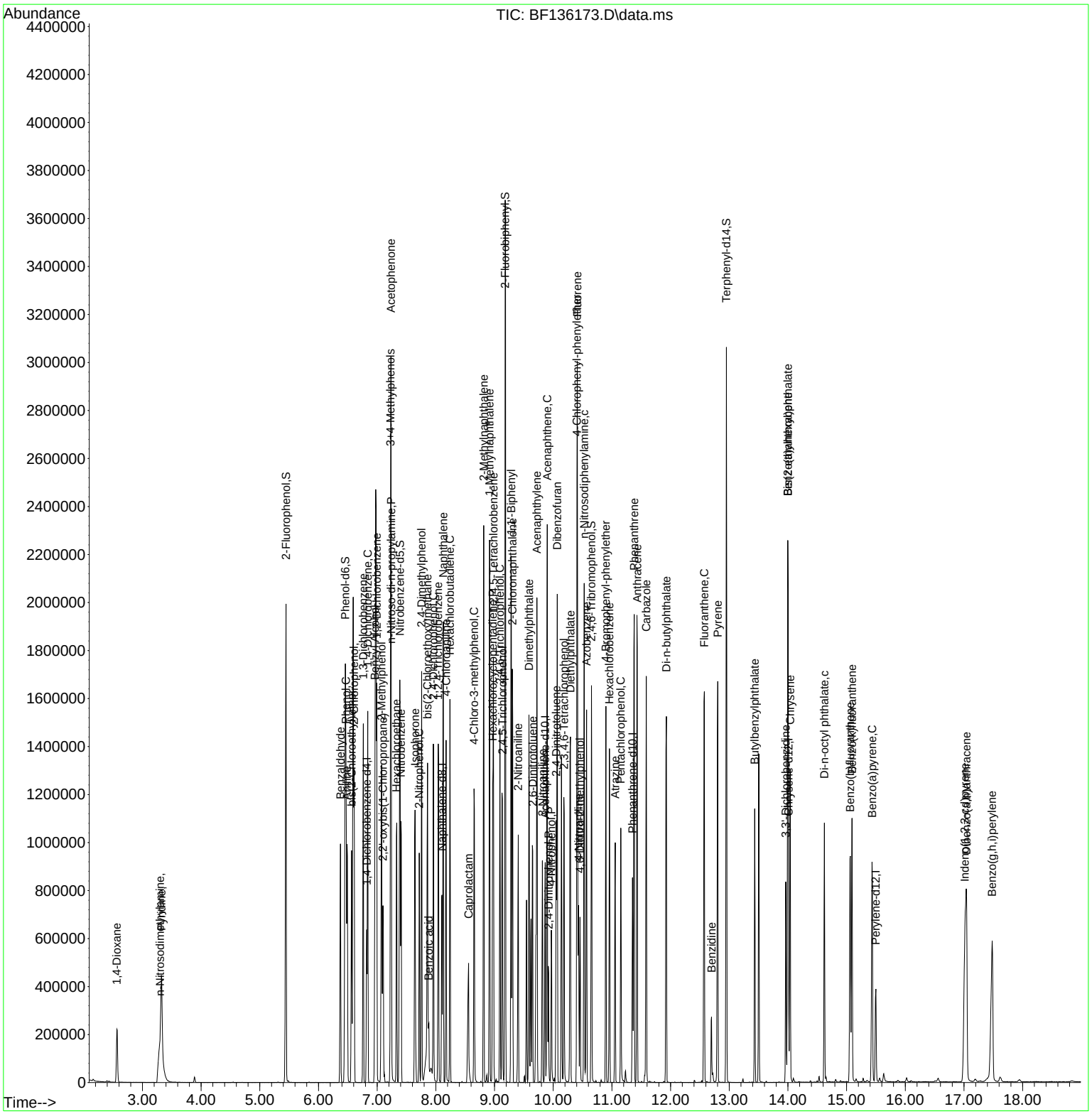
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136173.D
Acq On : 07 Nov 2023 13:02
Operator : CG\JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 08 01:55:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136174.D
Acq On : 07 Nov 2023 13:33
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:56:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	86380	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	336302	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	170032	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	281456	20.000	ng		0.00
76) Chrysene-d12	14.010	240	135261	20.000	ng		0.00
86) Perylene-d12	15.498	264	172853	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.445	112	658403	121.363	ng		0.00
7) Phenol-d6	6.463	99	794342	118.990	ng		0.00
23) Nitrobenzene-d5	7.392	82	729515	121.050	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	212060	119.080	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	1302484	113.233	ng		0.00
79) Terphenyl-d14	12.951	244	1073377	112.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.569	88	135768	62.495	ng		99
3) Pyridine	3.328	79	359245	61.544	ng		98
4) n-Nitrosodimethylamine	3.304	42	166901	62.336	ng		98
6) Aniline	6.492	93	507864	60.024	ng		98
8) 2-Chlorophenol	6.610	128	344006	58.904	ng		98
9) Benzaldehyde	6.375	77	214276	55.519	ng		98
10) Phenol	6.475	94	427511	62.848	ng		91
11) bis(2-Chloroethyl)ether	6.563	93	319598	59.647	ng		99
12) 1,3-Dichlorobenzene	6.763	146	365579	59.344	ng		98
13) 1,4-Dichlorobenzene	6.839	146	369777	59.862	ng		99
14) 1,2-Dichlorobenzene	6.992	146	340054	58.569	ng		97
15) Benzyl Alcohol	6.969	79	298953	59.877	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.104	45	413154	59.022	ng		99
17) 2-Methylphenol	7.075	107	290117	59.539	ng		98
18) Hexachloroethane	7.333	117	134959	59.869	ng		92
19) n-Nitroso-di-n-propyla...	7.245	70	227956	59.155	ng		99
20) 3+4-Methylphenols	7.233	107	345042	56.740	ng		92
22) Acetophenone	7.233	105	455432	58.655	ng	#	91
24) Nitrobenzene	7.410	77	349968	59.671	ng		99
25) Isophorone	7.645	82	627418	60.327	ng		100
26) 2-Nitrophenol	7.722	139	178249	62.706	ng		96
27) 2,4-Dimethylphenol	7.763	122	290749	60.892	ng		99
28) bis(2-Chloroethoxy)met...	7.857	93	379974	60.580	ng		98
29) 2,4-Dichlorophenol	7.963	162	281750	60.518	ng		98
30) 1,2,4-Trichlorobenzene	8.045	180	308452	59.504	ng		97
31) Naphthalene	8.128	128	983402	59.361	ng		100
32) Benzoic acid	7.892	122	210025m	57.503	ng		
33) 4-Chloroaniline	8.175	127	412940	60.097	ng		98
34) Hexachlorobutadiene	8.239	225	187399	59.469	ng		98
35) Caprolactam	8.563	113	82673	61.330	ng		93
36) 4-Chloro-3-methylphenol	8.657	107	295934	60.542	ng		99
37) 2-Methylnaphthalene	8.816	142	653144	58.802	ng		100
38) 1-Methylnaphthalene	8.916	142	605816	58.786	ng		99
40) 1,2,4,5-Tetrachloroben...	8.980	216	303761	59.609	ng		99
41) Hexachlorocyclopentadiene	8.969	237	174322	66.337	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	194372	60.915	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136174.D
Acq On : 07 Nov 2023 13:33
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:56:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	224814	61.159	ng		98
46) 1,1'-Biphenyl	9.286	154	777524	58.276	ng		99
47) 2-Chloronaphthalene	9.310	162	573125	58.768	ng		99
48) 2-Nitroaniline	9.404	65	182158	61.263	ng		92
49) Acenaphthylene	9.722	152	894436	59.418	ng		99
50) Dimethylphthalate	9.592	163	672357	58.526	ng		100
51) 2,6-Dinitrotoluene	9.651	165	150008	60.175	ng		95
52) Acenaphthene	9.898	154	604932m	64.074	ng		
53) 3-Nitroaniline	9.822	138	160500	60.386	ng		95
54) 2,4-Dinitrophenol	9.922	184	68949	58.676	ng		96
55) Dibenzofuran	10.069	168	815423	58.495	ng		98
56) 4-Nitrophenol	9.974	139	111079	62.890	ng		96
57) 2,4-Dinitrotoluene	10.051	165	192139	60.686	ng	#	88
58) Fluorene	10.416	166	606028	57.280	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	165832	57.102	ng		93
60) Diethylphthalate	10.292	149	642696	55.764	ng		98
61) 4-Chlorophenyl-phenyle...	10.410	204	308482	57.356	ng		94
62) 4-Nitroaniline	10.439	138	144495	59.651	ng		98
63) Azobenzene	10.569	77	599248	59.426	ng		97
65) 4,6-Dinitro-2-methylph...	10.463	198	98265	59.413	ng		93
66) n-Nitrosodiphenylamine	10.527	169	543455	60.862	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	192149	61.298	ng		94
68) Hexachlorobenzene	10.963	284	200628	60.285	ng	#	92
69) Atrazine	11.057	200	127305	56.276	ng		95
70) Pentachlorophenol	11.151	266	119895	64.414	ng		98
71) Phenanthrene	11.380	178	844179	58.571	ng		99
72) Anthracene	11.433	178	870067	59.139	ng		100
73) Carbazole	11.586	167	688750	58.424	ng		99
74) Di-n-butylphthalate	11.927	149	802533	57.544	ng		99
75) Fluoranthene	12.574	202	737561	56.037	ng		99
77) Benzidine	12.698	184	121532	51.889	ng		100
78) Pyrene	12.804	202	726663	57.451	ng		98
80) Butylbenzylphthalate	13.433	149	239055	59.313	ng		97
81) Benzo(a)anthracene	13.998	228	538481	60.020	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	182573	63.390	ng		98
83) Chrysene	14.039	228	524701	59.780	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	289545	59.520	ng	#	99
85) Di-n-octyl phthalate	14.621	149	520145	63.862	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	801487	63.284	ng		100
88) Benzo(b)fluoranthene	15.062	252	566189	59.329	ng		99
89) Benzo(k)fluoranthene	15.092	252	581745	60.535	ng		99
90) Benzo(a)pyrene	15.439	252	583514	61.992	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	655983	62.498	ng		99
92) Benzo(g,h,i)perylene	17.486	276	668939	62.861	ng		98

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

ICAL Form

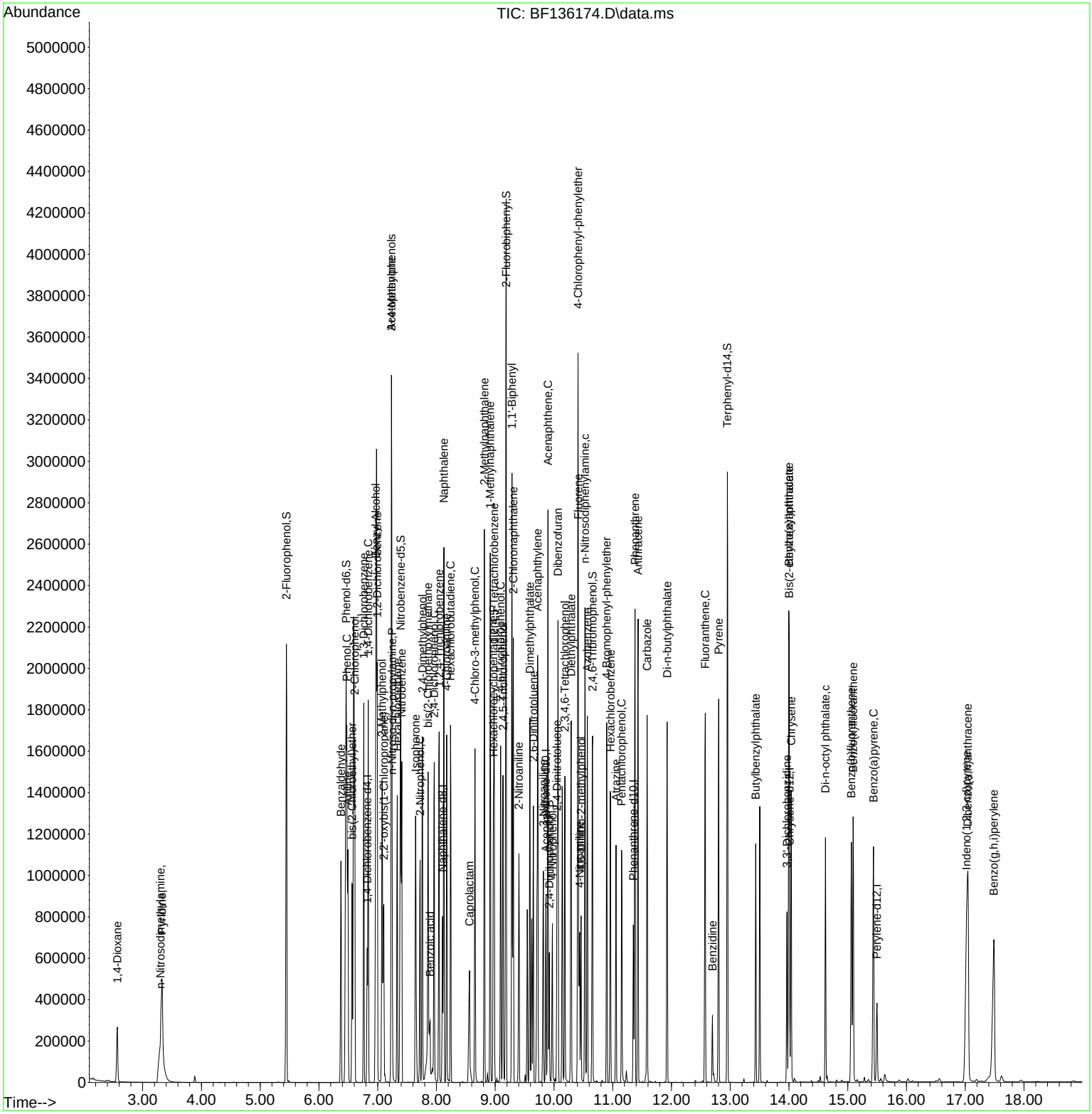
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136174.D
Acq On : 07 Nov 2023 13:33
Operator : CG\JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 01:56:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136175.D
Acq On : 07 Nov 2023 14:03
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:56:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	82789	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	317491	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	155233	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	243423	20.000	ng		0.00
76) Chrysene-d12	14.010	240	121907	20.000	ng		0.00
86) Perylene-d12	15.498	264	167607	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.451	112	840530	161.655	ng		0.00
7) Phenol-d6	6.469	99	1024179	160.074	ng		0.01
23) Nitrobenzene-d5	7.398	82	932612	163.919	ng		0.01
42) 2,4,6-Tribromophenol	10.657	330	253702	156.046	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	1632039	155.410	ng		0.00
79) Terphenyl-d14	12.957	244	1249658	145.509	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.569	88	175637	84.354	ng		99
3) Pyridine	3.334	79	476628	85.195	ng		99
4) n-Nitrosodimethylamine	3.322	42	223341	87.034	ng		96
6) Aniline	6.498	93	641765	79.139	ng		98
8) 2-Chlorophenol	6.610	128	440732	78.740	ng		98
9) Benzaldehyde	6.375	77	274878	74.311	ng		97
10) Phenol	6.481	94	543571	83.375	ng		82
11) bis(2-Chloroethyl)ether	6.569	93	408680	79.580	ng		97
12) 1,3-Dichlorobenzene	6.763	146	476316	80.673	ng		96
13) 1,4-Dichlorobenzene	6.840	146	475530	80.322	ng		98
14) 1,2-Dichlorobenzene	6.998	146	434483	78.078	ng		99
15) Benzyl Alcohol	6.969	79	375869	78.548	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	529423	78.913	ng		99
17) 2-Methylphenol	7.081	107	376458	80.610	ng		97
18) Hexachloroethane	7.334	117	174578	80.803	ng		93
19) n-Nitroso-di-n-propyla...	7.251	70	292374	79.162	ng		97
20) 3+4-Methylphenols	7.239	107	439451	75.400	ng		95
22) Acetophenone	7.239	105	576430	78.637	ng	#	91
24) Nitrobenzene	7.416	77	457901	82.699	ng		97
25) Isophorone	7.651	82	811125	82.611	ng		98
26) 2-Nitrophenol	7.722	139	228219	85.042	ng		98
27) 2,4-Dimethylphenol	7.763	122	365730	81.134	ng		97
28) bis(2-Chloroethoxy)met...	7.863	93	479274	80.939	ng		98
29) 2,4-Dichlorophenol	7.963	162	355829	80.958	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	394916	80.697	ng		99
31) Naphthalene	8.128	128	1226822	78.442	ng		100
32) Benzoic acid	7.910	122	285163m	80.517	ng		
33) 4-Chloroaniline	8.181	127	518270	79.894	ng		99
34) Hexachlorobutadiene	8.245	225	236079	79.356	ng		99
35) Caprolactam	8.575	113	101397	79.677	ng		93
36) 4-Chloro-3-methylphenol	8.663	107	370916	80.378	ng		97
37) 2-Methylnaphthalene	8.822	142	822203	78.408	ng		99
38) 1-Methylnaphthalene	8.916	142	765045	78.635	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	379909	81.660	ng		99
41) Hexachlorocyclopentadiene	8.969	237	225015	93.792	ng		98
43) 2,4,6-Trichlorophenol	9.098	196	240907	82.696	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136175.D
Acq On : 07 Nov 2023 14:03
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 01:56:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	277749	82.763	ng	99
46) 1,1'-Biphenyl	9.286	154	958390	78.680	ng	100
47) 2-Chloronaphthalene	9.310	162	719765	80.841	ng	99
48) 2-Nitroaniline	9.410	65	228648	84.229	ng	99
49) Acenaphthylene	9.728	152	1092344	79.483	ng	99
50) Dimethylphthalate	9.592	163	826850	78.836	ng	98
51) 2,6-Dinitrotoluene	9.651	165	186957	82.146	ng	98
52) Acenaphthene	9.898	154	739859m	85.837	ng	
53) 3-Nitroaniline	9.822	138	197741	81.490	ng	99
54) 2,4-Dinitrophenol	9.922	184	91067	81.987	ng	97
55) Dibenzofuran	10.075	168	999871	78.565	ng	99
56) 4-Nitrophenol	9.980	139	141975	88.046	ng	88
57) 2,4-Dinitrotoluene	10.057	165	231165	79.972	ng	92
58) Fluorene	10.416	166	735939	76.190	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.186	232	202204	76.264	ng	94
60) Diethylphthalate	10.292	149	775430	73.695	ng	99
61) 4-Chlorophenyl-phenyle...	10.410	204	371280	75.614	ng	95
62) 4-Nitroaniline	10.439	138	179261	81.058	ng	94
63) Azobenzene	10.569	77	716044	77.777	ng	96
65) 4,6-Dinitro-2-methylph...	10.463	198	119118	81.381	ng	96
66) n-Nitrosodiphenylamine	10.533	169	650240	84.198	ng	100
67) 4-Bromophenyl-phenylether	10.898	248	229858	84.785	ng	94
68) Hexachlorobenzene	10.963	284	242925	84.400	ng	96
69) Atrazine	11.057	200	139170	71.133	ng	98
70) Pentachlorophenol	11.157	266	147588	91.681	ng	98
71) Phenanthrene	11.380	178	998432	80.097	ng	99
72) Anthracene	11.433	178	1024058	80.482	ng	100
73) Carbazole	11.586	167	817755	80.204	ng	99
74) Di-n-butylphthalate	11.927	149	940674	77.988	ng	99
75) Fluoranthene	12.574	202	871988	76.601	ng	99
77) Benzidine	12.698	184	149773	70.952	ng	99
78) Pyrene	12.804	202	864402	75.827	ng	98
80) Butylbenzylphthalate	13.433	149	299710	82.508	ng	96
81) Benzo(a)anthracene	13.998	228	680699	84.183	ng	100
82) 3,3'-Dichlorobenzidine	13.968	252	234372	90.289	ng	98
83) Chrysene	14.039	228	680896	86.073	ng	100
84) Bis(2-ethylhexyl)phtha...	13.998	149	362769	82.741	ng	100
85) Di-n-octyl phthalate	14.621	149	695907	94.801	ng	100
87) Indeno(1,2,3-cd)pyrene	17.027	276	1050588	85.549	ng	99
88) Benzo(b)fluoranthene	15.063	252	793928	85.796	ng	99
89) Benzo(k)fluoranthene	15.098	252	748369	80.310	ng	100
90) Benzo(a)pyrene	15.439	252	781377	85.611	ng	100
91) Dibenzo(a,h)anthracene	17.056	278	856761	84.181	ng	99
92) Benzo(g,h,i)perylene	17.498	276	869938	84.308	ng	96

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

ICAL Form

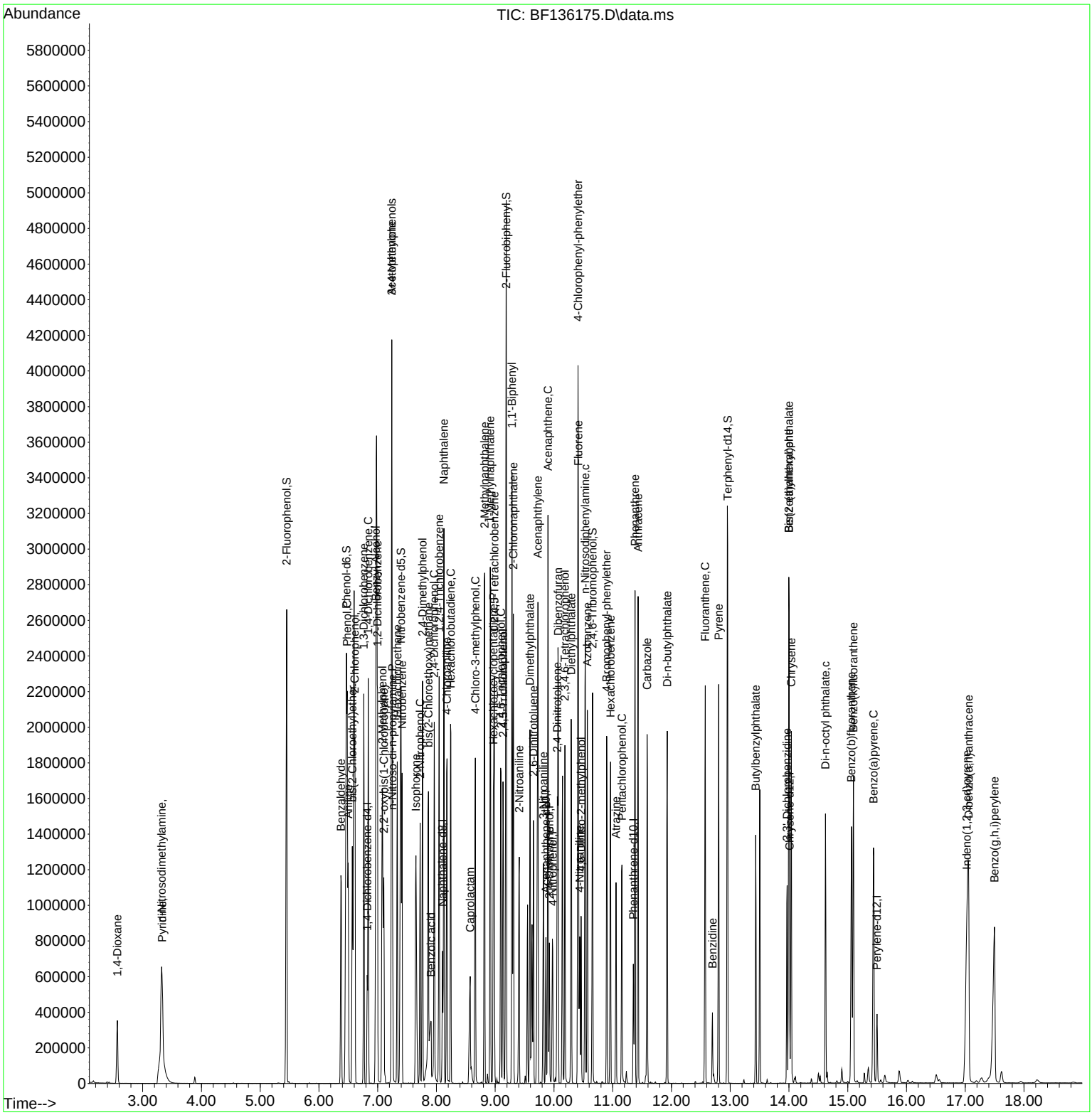
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136175.D
Acq On : 07 Nov 2023 14:03
Operator : CG\JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 08 01:56:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 01:48:57 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	95166	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	364639	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	189327	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	337252	20.000	ng		0.00
76) Chrysene-d12	14.010	240	182998	20.000	ng		0.00
86) Perylene-d12	15.498	264	189220	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	472368	79.033	ng		0.00
7) Phenol-d6	6.457	99	582147	79.153	ng		0.00
23) Nitrobenzene-d5	7.387	82	527674	80.754	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	170309	85.889	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1018281	79.504	ng		0.00
79) Terphenyl-d14	12.951	244	1056247	81.931	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.563	88	96848	40.464	ng		99
3) Pyridine	3.322	79	255788	39.775	ng		97
4) n-Nitrosodimethylamine	3.293	42	119155	40.395	ng		93
6) Aniline	6.487	93	373565	40.075	ng		99
8) 2-Chlorophenol	6.604	128	254028	39.482	ng		99
9) Benzaldehyde	6.375	77	164832	38.765	ng		98
10) Phenol	6.469	94	315274	39.252	ng		99
11) bis(2-Chloroethyl)ether	6.563	93	230870	39.109	ng		98
12) 1,3-Dichlorobenzene	6.763	146	267803	39.458	ng		98
13) 1,4-Dichlorobenzene	6.840	146	267682	39.334	ng		100
14) 1,2-Dichlorobenzene	6.993	146	250512	39.163	ng		98
15) Benzyl Alcohol	6.963	79	218517	39.726	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	305018	39.551	ng		99
17) 2-Methylphenol	7.075	107	209449	39.016	ng		98
18) Hexachloroethane	7.328	117	98422	39.630	ng		100
19) n-Nitroso-di-n-propyla...	7.240	70	169684	39.968	ng		97
20) 3+4-Methylphenols	7.228	107	261546	39.039	ng		98
22) Acetophenone	7.234	105	340668	40.465	ng		99
24) Nitrobenzene	7.404	77	260320	40.936	ng		99
25) Isophorone	7.640	82	467682	41.473	ng		99
26) 2-Nitrophenol	7.716	139	129317	41.957	ng		100
27) 2,4-Dimethylphenol	7.757	122	212108	40.970	ng		99
28) bis(2-Chloroethoxy)met...	7.857	93	274851	40.415	ng		97
29) 2,4-Dichlorophenol	7.957	162	206446	40.897	ng		99
30) 1,2,4-Trichlorobenzene	8.040	180	231472	41.183	ng		98
31) Naphthalene	8.122	128	729936	40.637	ng		99
32) Benzoic acid	7.869	122	153086m	40.850	ng		
33) 4-Chloroaniline	8.175	127	308986	41.473	ng		98
34) Hexachlorobutadiene	8.240	225	141334	41.365	ng		99
35) Caprolactam	8.551	113	61720	42.228	ng	#	84
36) 4-Chloro-3-methylphenol	8.651	107	223428	42.157	ng		97
37) 2-Methylnaphthalene	8.816	142	489310	40.629	ng		100
38) 1-Methylnaphthalene	8.916	142	453289	40.567	ng		98
40) 1,2,4,5-Tetrachloroben...	8.981	216	230953	40.703	ng		98
41) Hexachlorocyclopentadiene	8.969	237	125187	42.784	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	143994	40.528	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	171295	41.850	ng		98
46) 1,1'-Biphenyl	9.281	154	606419	40.819	ng		100
47) 2-Chloronaphthalene	9.304	162	444986	40.979	ng		98
48) 2-Nitroaniline	9.404	65	141980	42.884	ng		97
49) Acenaphthylene	9.722	152	688957	41.103	ng		99
50) Dimethylphthalate	9.587	163	536602	41.949	ng		99
51) 2,6-Dinitrotoluene	9.645	165	118724	42.772	ng		98
52) Acenaphthene	9.898	154	465469	41.694	ng		98
53) 3-Nitroaniline	9.816	138	129703	43.826	ng		100
54) 2,4-Dinitrophenol	9.922	184	51654	41.602	ng	#	84
55) Dibenzofuran	10.069	168	638009	41.104	ng		100
56) 4-Nitrophenol	9.969	139	91336	46.442	ng		99
57) 2,4-Dinitrotoluene	10.051	165	154590	43.850	ng		91
58) Fluorene	10.410	166	486297	41.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	135059	43.537	ng		95
60) Diethylphthalate	10.286	149	523000	40.754	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	245737	41.034	ng		99
62) 4-Nitroaniline	10.434	138	122593	45.451	ng		96
63) Azobenzene	10.569	77	475153	42.317	ng		98
65) 4,6-Dinitro-2-methylph...	10.457	198	77412	40.675	ng		91
66) n-Nitrosodiphenylamine	10.528	169	434527	40.612	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	156788	41.742	ng		97
68) Hexachlorobenzene	10.957	284	164980	41.372	ng		98
69) Atrazine	11.057	200	110615	40.808	ng		97
70) Pentachlorophenol	11.151	266	99994	44.834	ng		98
71) Phenanthrene	11.381	178	716904	41.511	ng		98
72) Anthracene	11.433	178	730277	41.425	ng		99
73) Carbazole	11.586	167	609530	43.150	ng		100
74) Di-n-butylphthalate	11.928	149	750134	44.888	ng		99
75) Fluoranthene	12.575	202	694667	44.046	ng		100
77) Benzidine	12.698	184	133519	42.136	ng		99
78) Pyrene	12.804	202	699131	40.855	ng		99
80) Butylbenzylphthalate	13.433	149	243594	44.673	ng		95
81) Benzo(a)anthracene	13.998	228	503690	41.497	ng		100
82) 3,3'-Dichlorobenzidine	13.969	252	165163	42.386	ng		98
83) Chrysene	14.039	228	494139	41.612	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	291837	44.342	ng	#	99
85) Di-n-octyl phthalate	14.621	149	455588	41.344	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	550313	39.693	ng		99
88) Benzo(b)fluoranthene	15.063	252	432115	41.363	ng		98
89) Benzo(k)fluoranthene	15.092	252	444278	42.231	ng		99
90) Benzo(a)pyrene	15.439	252	428864	41.621	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	452250	39.360	ng		100
92) Benzo(g,h,i)perylene	17.480	276	456888	39.220	ng		96

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

ICAL Form

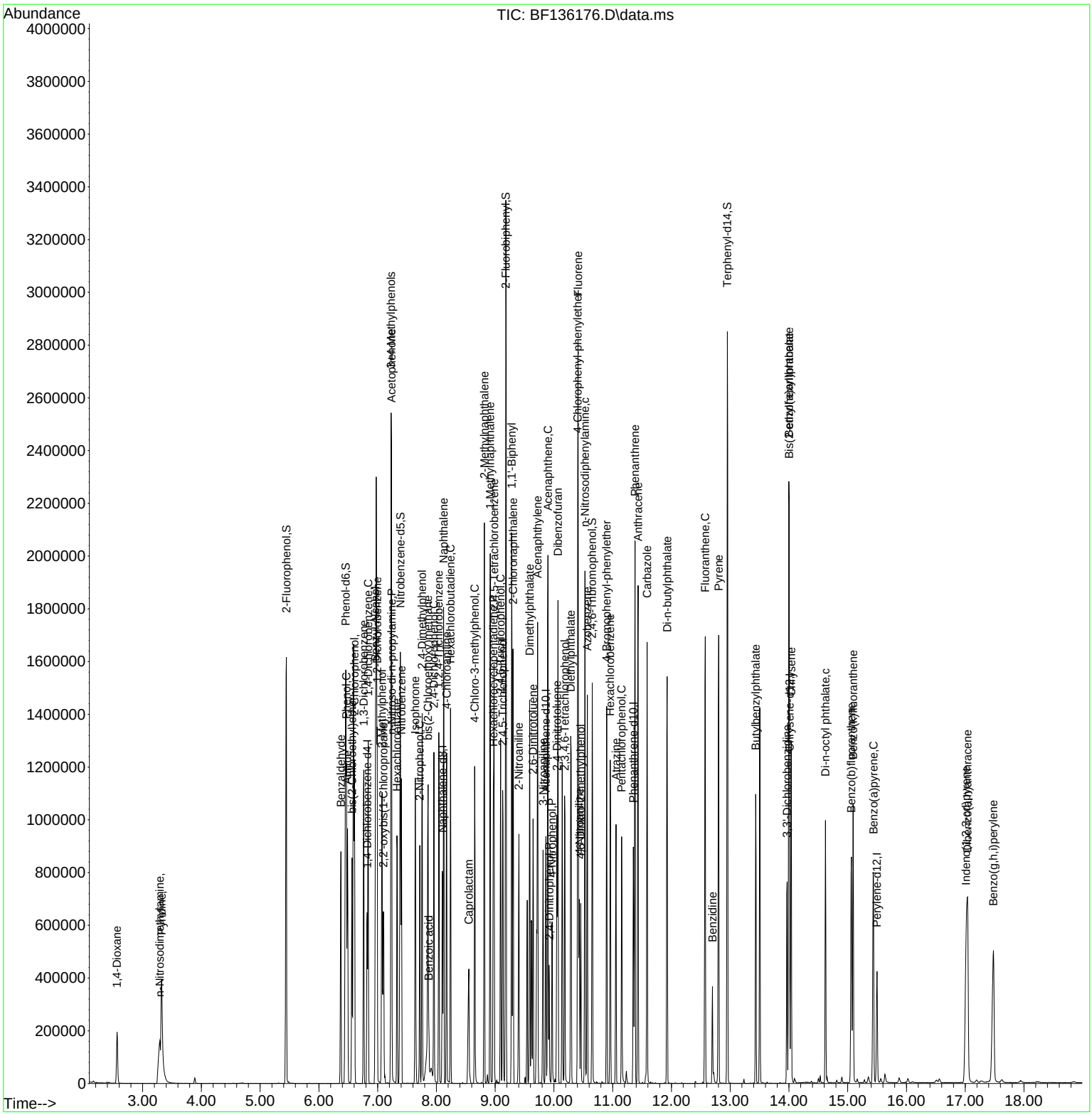
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.503	0.509	-1.2	102	0.00
3		Pyridine	1.352	1.344	0.6	100	0.00
4		n-Nitrosodimethylamine	0.620	0.626	-1.0	102	0.00
5	S	2-Fluorophenol	1.256	1.241	1.2	101	0.00
6		Aniline	1.959	1.963	-0.2	102	0.00
7	S	Phenol-d6	1.546	1.529	1.1	101	0.00
8		2-Chlorophenol	1.352	1.335	1.3	101	0.00
9		Benzaldehyde	0.894	0.866	3.1	102	0.00
10	C	Phenol	1.688	1.656	1.9	100	0.00
11		bis(2-Chloroethyl)ether	1.241	1.213	2.3	100	0.00
12		1,3-Dichlorobenzene	1.426	1.407	1.3	100	0.00
13	C	1,4-Dichlorobenzene	1.430	1.406	1.7	101	0.00
14		1,2-Dichlorobenzene	1.344	1.316	2.1	101	0.00
15		Benzyl Alcohol	1.156	1.148	0.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	1.621	1.603	1.1	101	0.00
17		2-Methylphenol	1.128	1.100	2.5	100	0.00
18		Hexachloroethane	0.522	0.517	1.0	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.892	0.892	0.0	104	0.00
20		3+4-Methylphenols	1.408	1.374	2.4	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22		Acetophenone	0.462	0.467	-1.1	103	0.00
23	S	Nitrobenzene-d5	0.358	0.362	-1.1	101	0.00
24		Nitrobenzene	0.349	0.357	-2.3	102	0.00
25		Isophorone	0.619	0.641	-3.6	104	0.00
26	C	2-Nitrophenol	0.169	0.177	-4.7	100	0.00
27		2,4-Dimethylphenol	0.284	0.291	-2.5	100	0.00
28		bis(2-Chloroethoxy)methane	0.373	0.377	-1.1	102	0.00
29	C	2,4-Dichlorophenol	0.277	0.283	-2.2	101	0.00
30		1,2,4-Trichlorobenzene	0.308	0.317	-2.9	103	0.00
31		Naphthalene	0.985	1.001	-1.6	102	0.00
32		Benzoic acid	0.193	0.210	-8.8	106	0.00
33		4-Chloroaniline	0.409	0.424	-3.7	101	0.00
34	C	Hexachlorobutadiene	0.187	0.194	-3.7	102	0.00
35		Caprolactam	0.080	0.085	-6.3	103	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.306	-5.2	103	0.00
37		2-Methylnaphthalene	0.661	0.671	-1.5	102	0.00
38		1-Methylnaphthalene	0.613	0.622	-1.5	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.599	0.610	-1.8	104	0.00
41	P	Hexachlorocyclopentadiene	0.309	0.331	-7.1	103	0.00
42	S	2,4,6-Tribromophenol	0.209	0.225	-7.7	105	0.00
43	C	2,4,6-Trichlorophenol	0.375	0.380	-1.3	101	0.00
44		2,4,5-Trichlorophenol	0.432	0.452	-4.6	104	0.00
45	S	2-Fluorobiphenyl	1.353	1.345	0.6	103	0.00
46		1,1'-Biphenyl	1.569	1.602	-2.1	104	0.00
47		2-Chloronaphthalene	1.147	1.175	-2.4	104	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
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	0.350	0.375	-7.1	105	0.00
49		Acenaphthylene	1.771	1.819	-2.7	104	0.00
50		Dimethylphthalate	1.351	1.417	-4.9	106	0.00
51		2,6-Dinitrotoluene	0.293	0.314	-7.2	105	0.00
52	C	Acenaphthene	1.179	1.229	-4.2	104	0.00
53		3-Nitroaniline	0.313	0.343	-9.6	106	0.00
54	P	2,4-Dinitrophenol	0.120	0.136	-13.3	106	0.00
55		Dibenzofuran	1.640	1.685	-2.7	103	0.00
56	P	4-Nitrophenol	0.208	0.241	-15.9	108	0.00
57		2,4-Dinitrotoluene	0.372	0.408	-9.7	105	0.00
58		Fluorene	1.244	1.284	-3.2	104	0.00
59		2,3,4,6-Tetrachlorophenol	0.328	0.357	-8.8	106	0.00
60		Diethylphthalate	1.356	1.381	-1.8	104	0.00
61		4-Chlorophenyl-phenylether	0.633	0.649	-2.5	104	0.00
62		4-Nitroaniline	0.285	0.324	-13.7	106	0.00
63		Azobenzene	1.186	1.255	-5.8	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00
65		4,6-Dinitro-2-methylphenol	0.106	0.115	-8.5	107	0.00
66	c	n-Nitrosodiphenylamine	0.635	0.644	-1.4	104	0.00
67		4-Bromophenyl-phenylether	0.223	0.232	-4.0	104	0.00
68		Hexachlorobenzene	0.236	0.245	-3.8	105	0.00
69		Atrazine	0.161	0.164	-1.9	107	0.00
70	C	Pentachlorophenol	0.132	0.148	-12.1	106	0.00
71		Phenanthrene	1.024	1.063	-3.8	106	0.00
72		Anthracene	1.045	1.083	-3.6	105	0.00
73		Carbazole	0.838	0.904	-7.9	108	0.00
74		Di-n-butylphthalate	0.991	1.112	-12.2	112	0.00
75	C	Fluoranthene	0.935	1.030	-10.2	108	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	113	0.00
77		Benzidine	0.346	0.365	-5.5	110	0.00
78		Pyrene	1.870	1.910	-2.1	110	0.00
79	S	Terphenyl-d14	1.409	1.443	-2.4	112	0.00
80		Butylbenzylphthalate	0.596	0.666	-11.7	114	0.00
81		Benzo(a)anthracene	1.327	1.376	-3.7	112	0.00
82		3,3'-Dichlorobenzidine	0.426	0.451	-5.9	110	0.00
83		Chrysene	1.298	1.350	-4.0	113	0.00
84		Bis(2-ethylhexyl)phthalate	0.719	0.797	-10.8	113	0.00
85	c	Di-n-octyl phthalate	1.204	1.245	-3.4	109	0.00
86	I	Perylene-d12	1.000	1.000	0.0	107	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.454	0.8	103	0.00
88		Benzo(b)fluoranthene	1.104	1.142	-3.4	104	0.00
89		Benzo(k)fluoranthene	1.112	1.174	-5.6	108	0.00
90	C	Benzo(a)pyrene	1.089	1.133	-4.0	106	0.00
91		Dibenzo(a,h)anthracene	1.214	1.195	1.6	102	0.00
92		Benzo(g,h,i)perylene	1.231	1.207	1.9	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136176.D
Acq On : 07 Nov 2023 15:17
Operator : CG\JU
Sample : SSTDICV040
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF110723

Quant Time: Nov 08 02:15:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
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

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_M Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 11:04 15:18

LAB FILE ID: RRF2.5 = BM042488.D RRF005 = BM042489.D RRF010 = BM042490.D
RRF020 = BM042491.D RRF040 = BM042492.D RRF050 = BM042493.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.239	5.4
Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.980	10.6
Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.700	7.1
Phenol		1.590	1.581	1.811	1.723	1.737	1.726	6.2
bis(2-Chloroethyl)ether		1.403	1.399	1.517	1.439	1.447	1.460	3.5
2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.336	5.8
2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.222	7.6
2,2-oxybis(1-Chloropropane)		2.316	2.191	2.408	2.286	2.292	2.325	3.5
Acetophenone		0.448	0.469	0.517	0.525	0.497	0.504	7.1
3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.634	10.8
n-Nitroso-di-n-propylamine	0.986	1.080	1.102	1.262	1.245	1.271	1.202	10.9
Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.429	9.5
Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.572	6.3
Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.423	8.4
Isophorone		0.668	0.662	0.757	0.805	0.764	0.759	9.6
2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.161	16.2
2,4-Dimethylphenol		0.250	0.258	0.299	0.307	0.291	0.291	9.3
bis(2-Chloroethoxy)methane		0.408	0.411	0.471	0.481	0.458	0.457	7.6
2,4-Dichlorophenol		0.235	0.246	0.288	0.310	0.295	0.287	12.1
Naphthalene		0.966	0.958	1.054	1.075	1.007	1.033	5.6
4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.403	14.5
Hexachlorobutadiene		0.178	0.171	0.191	0.196	0.189	0.191	7.2
Caprolactam			0.077	0.093	0.108	0.102	0.101	14.0
4-Chloro-3-methylphenol		0.263	0.280	0.323	0.353	0.336	0.327	13.0
2-Methylnaphthalene		0.663	0.654	0.736	0.766	0.719	0.728	7.5
Hexachlorocyclopentadiene			0.225	0.285	0.316	0.311	0.309	16.5
2,4,6-Trichlorophenol		0.309	0.329	0.388	0.408	0.386	0.383	12.5
2-Fluorobiphenyl		1.372	1.363	1.514	1.537	1.454	1.486	6.5
2,4,5-Trichlorophenol		0.384	0.393	0.458	0.485	0.458	0.455	11.2
1,1-Biphenyl		1.411	1.400	1.561	1.602	1.496	1.529	6.4
2-Chloronaphthalene		1.018	1.047	1.148	1.177	1.097	1.122	6.3
2-Nitroaniline		0.252	0.296	0.375	0.444	0.421	0.390	22.4
Dimethylphthalate		1.336	1.355	1.522	1.589	1.472	1.495	7.8
Acenaphthylene		1.626	1.651	1.902	1.977	1.856	1.857	8.8
2,6-Dinitrotoluene		0.248	0.262	0.312	0.334	0.315	0.308	12.7
3-Nitroaniline		0.182	0.216	0.295	0.335	0.322	0.296	24.0

All other compounds must meet a minimum RRF of 0.010.

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_M Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 11:04 15:18

LAB FILE ID: RRF2.5 = BM042488.D RRF005 = BM042489.D RRF010 = BM042490.D
RRF020 = BM042491.D RRF040 = BM042492.D RRF050 = BM042493.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Acenaphthene		1.028	1.019	1.150	1.184	1.115	1.127	7.1
2,4-Dinitrophenol			0.101	0.149	0.195	0.187	0.177	25.7
4-Nitrophenol			0.142	0.207	0.250	0.242	0.233	22.5
Dibenzofuran		1.644	1.661	1.868	1.929	1.809	1.833	7.6
2,4-Dinitrotoluene		0.274	0.321	0.407	0.456	0.434	0.408	20.2
Diethylphthalate		1.305	1.327	1.547	1.629	1.519	1.514	9.7
4-Chlorophenyl-phenylether		0.645	0.651	0.751	0.793	0.747	0.749	10.5
Fluorene		1.305	1.336	1.493	1.580	1.472	1.483	8.5
4-Nitroaniline		0.103	0.154	0.238	0.295	0.286	0.247	35.5
4,6-Dinitro-2-methylphenol			0.078	0.105	0.126	0.121	0.117	18.9
n-Nitrosodiphenylamine		0.491	0.505	0.571	0.606	0.564	0.564	8.8
2,4,6-Tribromophenol			0.203	0.251	0.272	0.261	0.261	12.8
4-Bromophenyl-phenylether		0.171	0.174	0.197	0.214	0.199	0.200	11.0
Hexachlorobenzene		0.198	0.197	0.220	0.235	0.219	0.221	8.5
Atrazine		0.146	0.154	0.171	0.173	0.161	0.163	6.0
Pentachlorophenol			0.127	0.151	0.170	0.163	0.163	13.3
Phenanthrene		0.944	0.942	1.047	1.116	1.031	1.045	7.8
Anthracene		0.881	0.893	1.027	1.133	1.042	1.035	11.0
Carbazole		0.666	0.728	0.838	0.975	0.901	0.842	14.6
Di-n-butylphthalate		0.934	1.000	1.183	1.302	1.219	1.183	13.5
Fluoranthene		1.009	1.067	1.216	1.329	1.235	1.228	12.0
Pyrene		1.173	1.149	1.321	1.436	1.428	1.373	12.3
Terphenyl-d14		0.946	0.958	1.143	1.267	1.243	1.180	14.6
Butylbenzylphthalate		0.470	0.472	0.578	0.634	0.625	0.587	14.6
3,3-Dichlorobenzidine		0.330	0.362	0.410	0.438	0.408	0.404	10.9
Benzo(a)anthracene		1.097	1.111	1.258	1.319	1.276	1.273	10.8
Chrysene		1.212	1.205	1.293	1.333	1.265	1.293	5.9
Bis(2-ethylhexyl)phthalate		0.767	0.791	0.895	0.933	0.886	0.886	9.3
Di-n-octyl phthalate		1.376	1.402	1.561	1.577	1.514	1.526	7.0
Benzo(b)fluoranthene		0.920	0.971	1.059	1.163	1.151	1.114	12.4
Benzo(k)fluoranthene		1.162	1.093	1.233	1.237	1.240	1.242	8.3
Benzo(a)pyrene		0.871	0.977	1.095	1.141	1.124	1.097	12.2
Indeno(1,2,3-cd)pyrene		0.989	0.957	1.144	1.243	1.257	1.190	14.3
Dibenzo(a,h)anthracene		0.709	0.755	0.962	1.036	1.020	0.967	18.3
Benzo(g,h,i)perylene		0.896	0.912	1.040	1.065	1.080	1.049	10.8
1,2,4,5-Tetrachlorobenzene		0.539	0.540	0.604	0.616	0.589	0.597	7.9

All other compounds must meet a minimum RRF of 0.010.

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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_M Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 11:04 15:18

LAB FILE ID: RRF2.5 = BM042488.D RRF005 = BM042489.D RRF010 = BM042490.D
RRF020 = BM042491.D RRF040 = BM042492.D RRF050 = BM042493.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.591	3.3
2,3,4,6-Tetrachlorophenol		0.317	0.334	0.388	0.410	0.385	0.384	11.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report gcms1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 02:55:18 2023
Response Via : Initial Calibration

Calibration Files
2.5 =BM042488.D 5 =BM042489.D 10 =BM042490.D 20 =BM042491.D 40 =BM042492.D 50 =BM042493.D 60 =BM042494.D 80 =BM0424
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.594	0.590	0.591	3.25
3)		Pyridine		1.666	1.580	1.781	1.681	1.674	1.709	1.767	1.694	4.00
4)		n-Nitrosodimet...		0.783	0.744	0.841	0.812	0.808	0.840	0.878	0.815	5.36
5)	S	2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.273	1.321	1.239	5.44
6)		Aniline		1.951	1.957	2.253	2.188	2.191	2.240	2.344	2.160	6.95
7)	S	Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.770	1.838	1.700	7.07
8)		2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.371	1.435	1.336	5.80
9)		Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.877	0.867	0.980	10.64
10)	C	Phenol		1.590	1.581	1.811	1.723	1.737	1.773	1.868	1.726	6.23
11)		bis(2-Chloroet...		1.403	1.399	1.517	1.439	1.447	1.489	1.526	1.460	3.55
12)		1,3-Dichlorobe...		1.420	1.362	1.505	1.421	1.414	1.468	1.520	1.444	3.86
13)	C	1,4-Dichlorobe...		1.455	1.368	1.523	1.428	1.443	1.470	1.543	1.462	4.01
14)		1,2-Dichlorobe...		1.387	1.343	1.455	1.383	1.389	1.434	1.487	1.411	3.50
15)		Benzyl Alcohol		0.933	1.010	1.184	1.256	1.273	1.328	1.437	1.203	14.73
16)		2,2'-oxybis(1-...		2.316	2.191	2.408	2.286	2.286	2.349	2.431	2.324	3.51
17)		2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.284	1.348	1.222	7.61
18)		Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.596	0.622	0.572	6.32
19)	P	n-Nitroso-di-n...	0.986	1.080	1.102	1.262	1.245	1.271	1.300	1.371	1.202	10.88
20)		3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.751	1.850	1.634	10.80
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.448	0.469	0.517	0.525	0.497	0.522	0.553	0.504	7.09
23)	S	Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.455	0.480	0.429	9.52
24)		Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.442	0.463	0.423	8.39
25)		Isophorone		0.668	0.662	0.757	0.805	0.764	0.800	0.860	0.759	9.56
26)	C	2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.180	0.192	0.161	16.23
27)		2,4-Dimethylph...		0.250	0.258	0.299	0.307	0.291	0.305	0.324	0.291	9.31
28)		bis(2-Chloroet...		0.408	0.411	0.471	0.481	0.458	0.474	0.499	0.457	7.63
29)	C	2,4-Dichloroph...		0.235	0.246	0.288	0.310	0.295	0.308	0.331	0.287	12.10
30)		1,2,4-Trichlor...		0.291	0.290	0.322	0.327	0.309	0.323	0.343	0.315	6.21
31)		Naphthalene		0.966	0.958	1.054	1.075	1.007	1.060	1.113	1.033	5.61
32)		Benzoic acid			0.157	0.211	0.230	0.226	0.248		0.215	16.17
33)		4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.439	0.467	0.403	14.54
34)	C	Hexachlorobuta...		0.178	0.171	0.191	0.196	0.189	0.201	0.212	0.191	7.18
35)		Caprolactam			0.077	0.093	0.108	0.102	0.108	0.118	0.101	13.98
36)	C	4-Chloro-3-met...		0.263	0.280	0.323	0.353	0.336	0.353	0.382	0.327	12.97
37)		2-Methylnaphth...		0.663	0.654	0.736	0.766	0.719	0.752	0.805	0.728	7.48
38)		1-Methylnaphth...		0.621	0.620	0.693	0.717	0.679	0.706	0.759	0.685	7.39

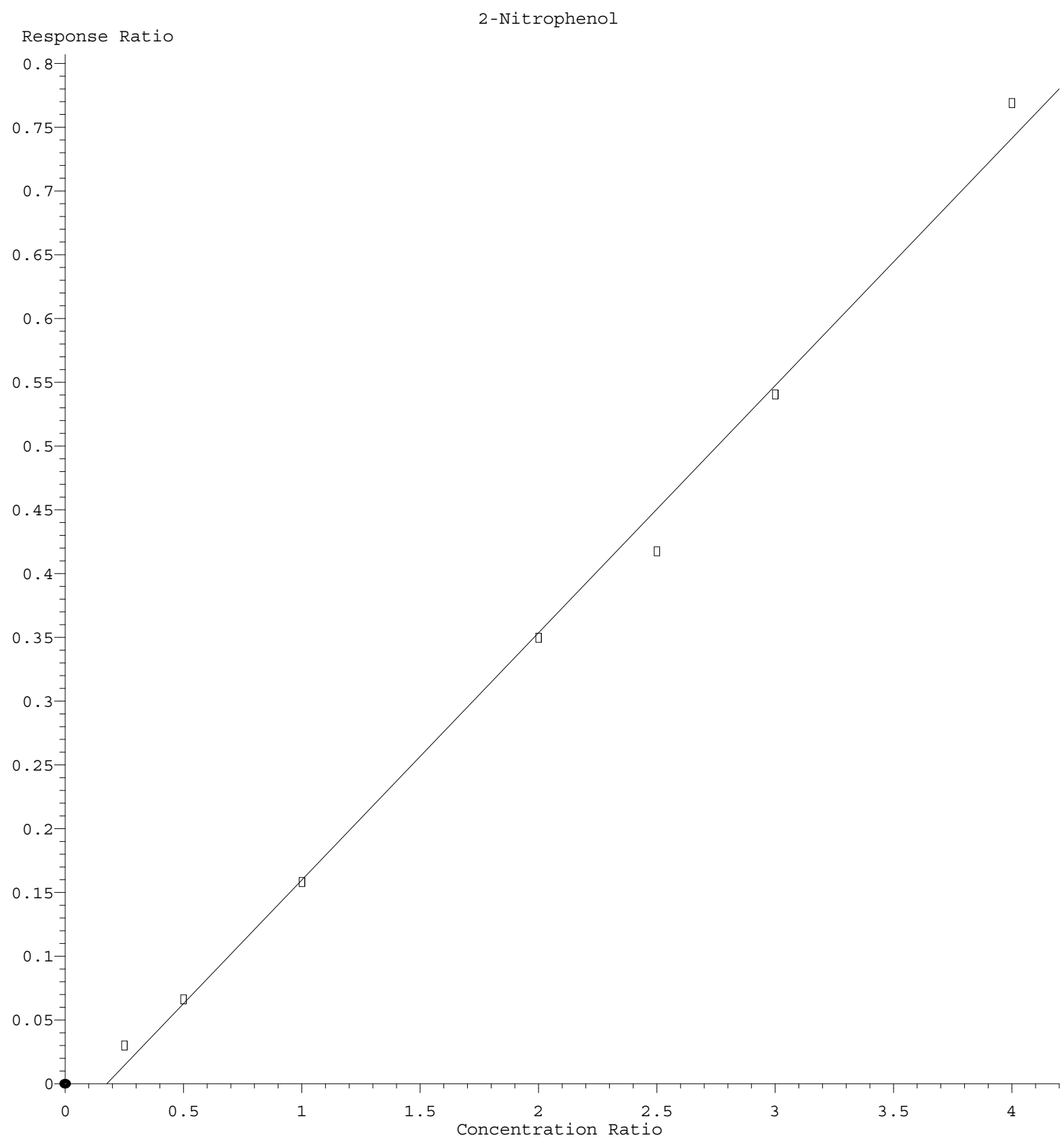
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.539	0.540	0.604	0.616	0.589	0.622	0.672	0.597	7.89
41)	P	Hexachlorocycl...		0.225	0.285	0.316	0.311	0.344	0.373	0.309	16.53
42)	S	2,4,6-Tribromo...		0.203	0.251	0.272	0.261	0.278	0.302	0.261	12.82
43)	C	2,4,6-Trichlor...	0.309	0.329	0.388	0.408	0.386	0.413	0.445	0.383	12.55
44)		2,4,5-Trichlor...	0.384	0.393	0.458	0.485	0.458	0.483	0.526	0.455	11.21
45)	S	2-Fluorobiphenyl	1.372	1.363	1.514	1.537	1.454	1.536	1.628	1.486	6.46
46)		1,1'-Biphenyl	1.411	1.400	1.561	1.602	1.496	1.567	1.664	1.529	6.41
47)		2-Chloronaphth...	1.018	1.047	1.148	1.177	1.097	1.148	1.216	1.122	6.32
48)		2-Nitroaniline	0.252	0.296	0.375	0.444	0.421	0.449	0.490	0.390	22.36
49)		Acenaphthylene	1.626	1.651	1.902	1.977	1.856	1.930	2.060	1.857	8.76
50)		Dimethylphthalate	1.336	1.355	1.522	1.589	1.472	1.543	1.648	1.495	7.77
51)		2,6-Dinitrotol...	0.248	0.262	0.312	0.334	0.315	0.332	0.353	0.308	12.67
52)	C	Acenaphthene	1.028	1.019	1.150	1.184	1.115	1.158	1.237	1.127	7.11
53)		3-Nitroaniline	0.182	0.216	0.295	0.335	0.322	0.348	0.372	0.296	24.02
54)	P	2,4-Dinitrophenol		0.101	0.149	0.195	0.187	0.207	0.227	0.177	25.69
55)		Dibenzofuran	1.644	1.661	1.868	1.929	1.809	1.894	2.025	1.833	7.62
56)	P	4-Nitrophenol		0.142	0.207	0.250	0.242	0.267	0.290	0.233	22.52
57)		2,4-Dinitrotol...	0.274	0.321	0.407	0.456	0.434	0.462	0.504	0.408	20.19
58)		Fluorene	1.305	1.336	1.493	1.580	1.472	1.548	1.647	1.483	8.45
59)		2,3,4,6-Tetrac...	0.317	0.334	0.388	0.410	0.385	0.409	0.441	0.384	11.46
60)		Diethylphthalate	1.305	1.327	1.547	1.629	1.519	1.586	1.688	1.514	9.65
61)		4-Chlorophenyl...	0.645	0.651	0.751	0.793	0.747	0.794	0.862	0.749	10.50
62)		4-Nitroaniline	0.103	0.154	0.238	0.295	0.286	0.314	0.338	0.247	35.45
63)		Azobenzene	1.331	1.442	1.725	1.831	1.711	1.780	1.862	1.669	12.14
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.078	0.105	0.126	0.121	0.129	0.140	0.117	18.93
66)	c	n-Nitrosodiphe...	0.491	0.505	0.571	0.606	0.564	0.586	0.625	0.564	8.80
67)		4-Bromophenyl-...	0.171	0.174	0.197	0.214	0.199	0.211	0.233	0.200	11.00
68)		Hexachlorobenzene	0.198	0.197	0.220	0.235	0.219	0.230	0.249	0.221	8.53
69)		Atrazine	0.146	0.154	0.171	0.173	0.161	0.167	0.167	0.163	5.97
70)	C	Pentachlorophenol		0.127	0.151	0.170	0.163	0.175	0.190	0.163	13.25
71)		Phenanthrene	0.944	0.942	1.047	1.116	1.031	1.077	1.158	1.045	7.81
72)		Anthracene	0.881	0.893	1.027	1.133	1.042	1.093	1.178	1.035	10.96
73)		Carbazole	0.666	0.728	0.838	0.975	0.901	0.945		0.842	14.62
74)		Di-n-butylphth...	0.934	1.000	1.183	1.302	1.219	1.271	1.370	1.183	13.53
75)	C	Fluoranthene	1.009	1.067	1.216	1.329	1.235	1.312	1.425	1.228	11.99
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.187	0.205	0.197	0.196	0.171	0.197	0.190	0.192	5.68
78)		Pyrene	1.173	1.149	1.321	1.436	1.428	1.496	1.610	1.373	12.31
79)	S	Terphenyl-d14	0.946	0.958	1.143	1.267	1.243	1.308	1.392	1.180	14.62
80)		Butylbenzylpht...	0.470	0.472	0.578	0.634	0.625	0.635	0.692	0.587	14.62
81)		Benzo(a)anthra...	1.097	1.111	1.258	1.319	1.276	1.360	1.486	1.273	10.75
82)		3,3'-Dichlorob...	0.330	0.362	0.410	0.438	0.408	0.431	0.452	0.404	10.87
83)		Chrysene	1.212	1.205	1.293	1.333	1.265	1.312	1.428	1.293	5.94
84)		Bis(2-ethylhex...	0.767	0.791	0.895	0.933	0.886	0.933	0.999	0.886	9.26
85)	c	Di-n-octyl pht...	1.376	1.402	1.561	1.577	1.514	1.568	1.683	1.526	6.99

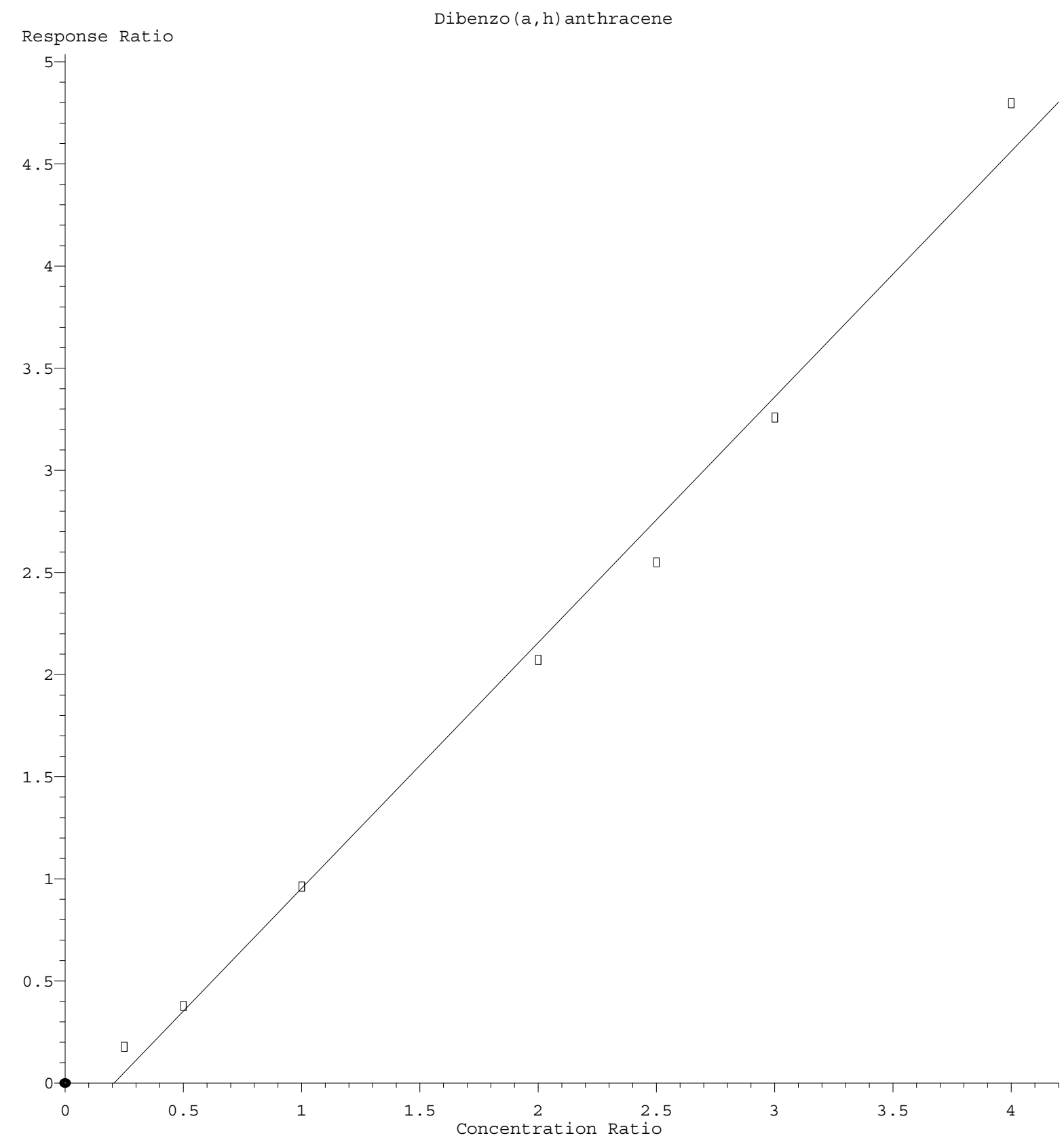
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM103023.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	0.989	0.957	1.144	1.243	1.257	1.328	1.414	1.190	14.29
88)		Benzo(b)fluora...	0.920	0.971	1.059	1.163	1.151	1.232	1.304	1.114	12.40
89)		Benzo(k)fluora...	1.162	1.093	1.233	1.237	1.240	1.312	1.414	1.242	8.28
90)	C	Benzo(a)pyrene	0.871	0.977	1.095	1.141	1.124	1.202	1.268	1.097	12.25
91)		Dibenzo(a,h)an...	0.709	0.755	0.962	1.036	1.020	1.086	1.199	0.967	18.26
92)		Benzo(g,h,i)pe...	0.896	0.912	1.040	1.065	1.080	1.146	1.205	1.049	10.80

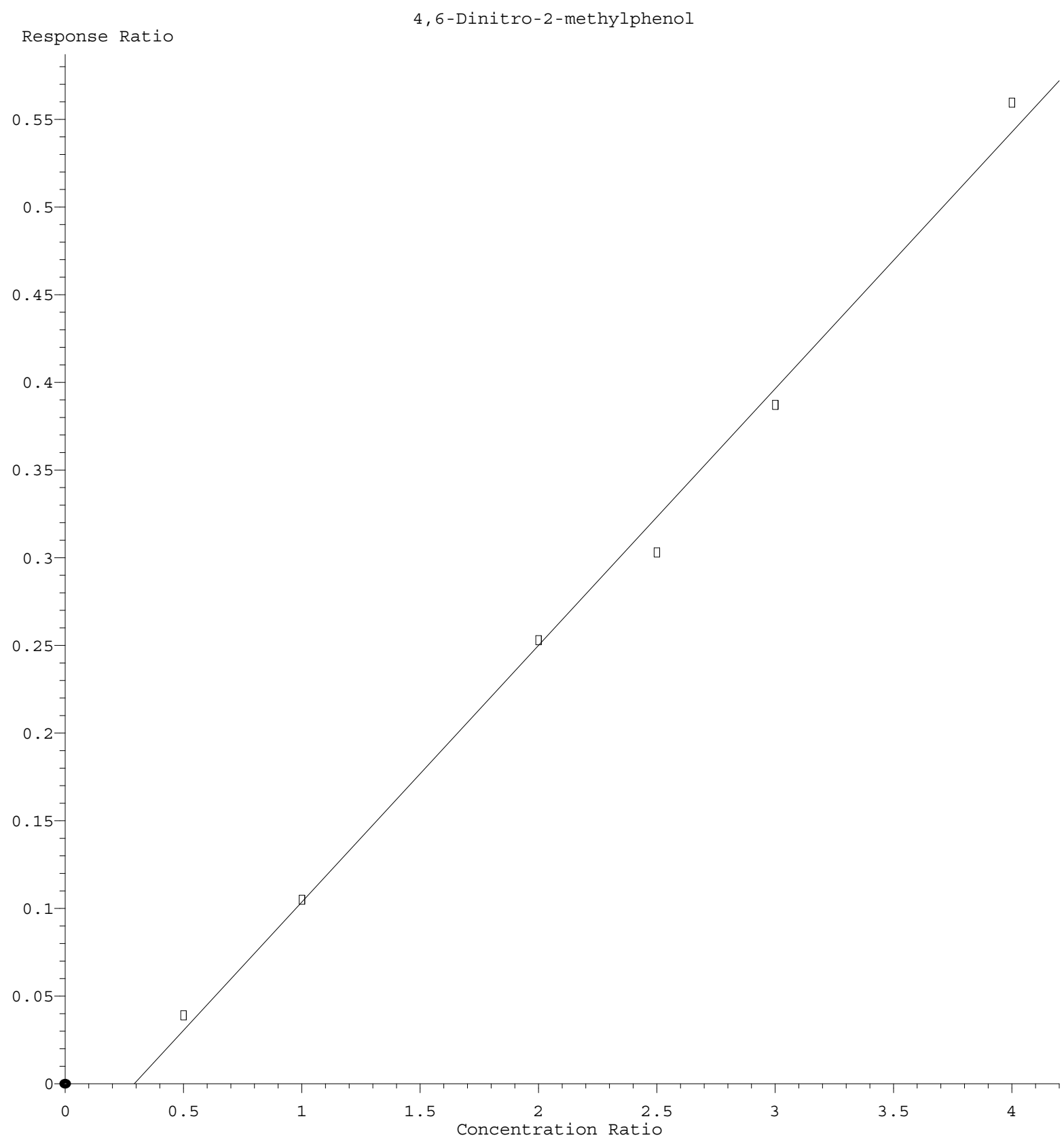
(#) = Out of Range



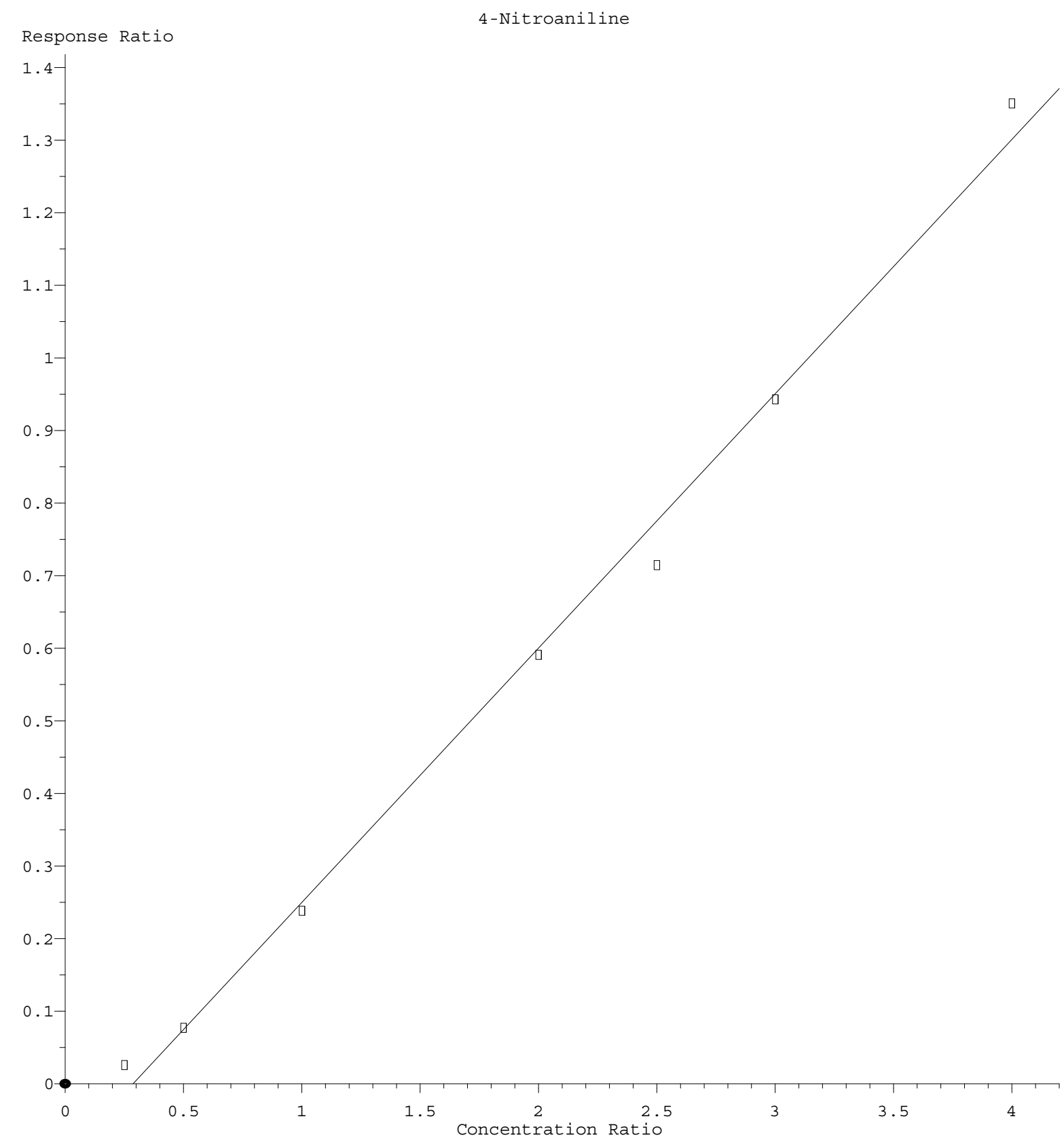
Response = 1.939e-001 * Amt - 3.410e-002
Coef of Det (r^2) = 0.994980 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



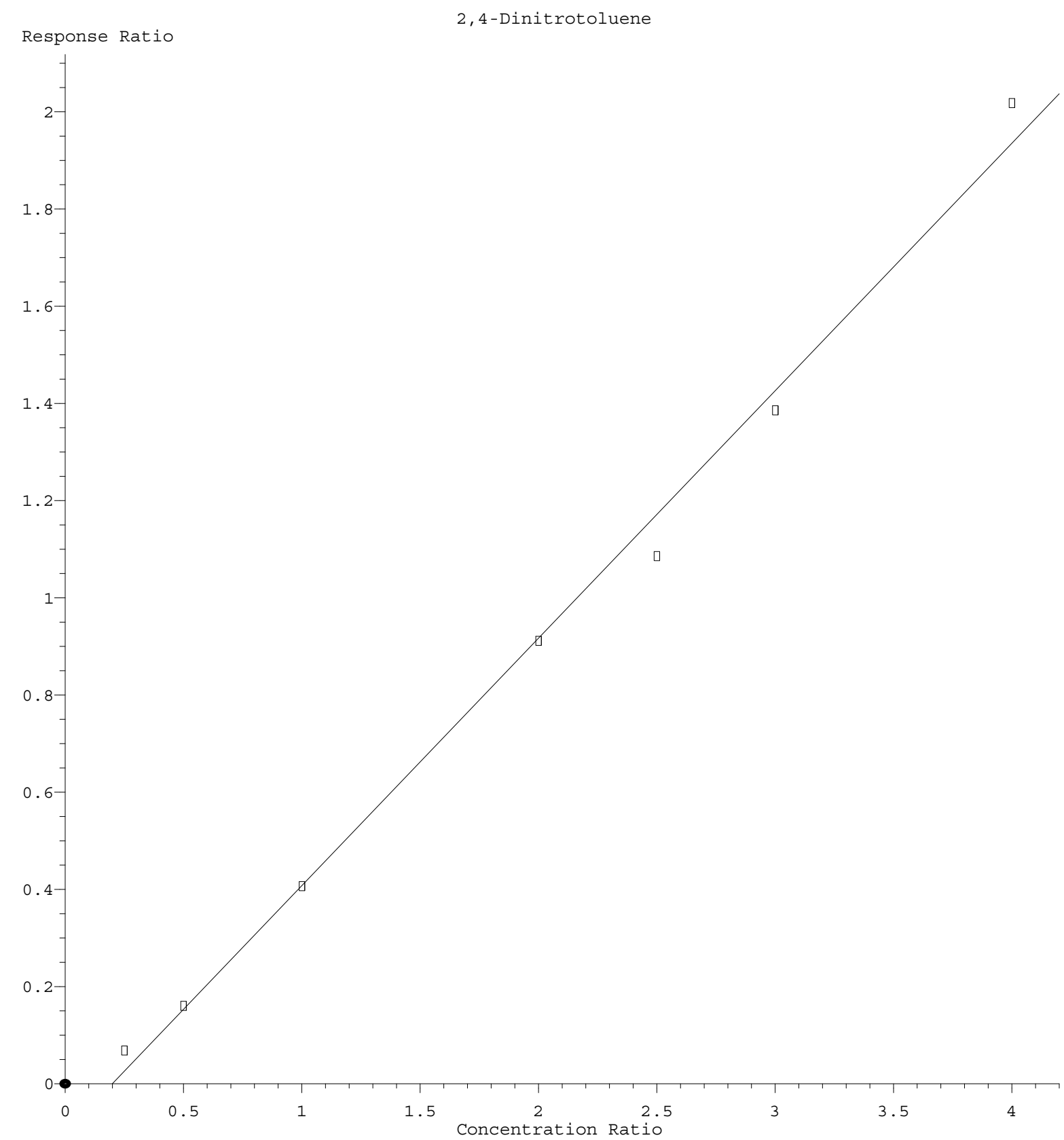
Response = 1.203e+000 * Amt - 2.488e-001
Coef of Det (r^2) = 0.992070 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



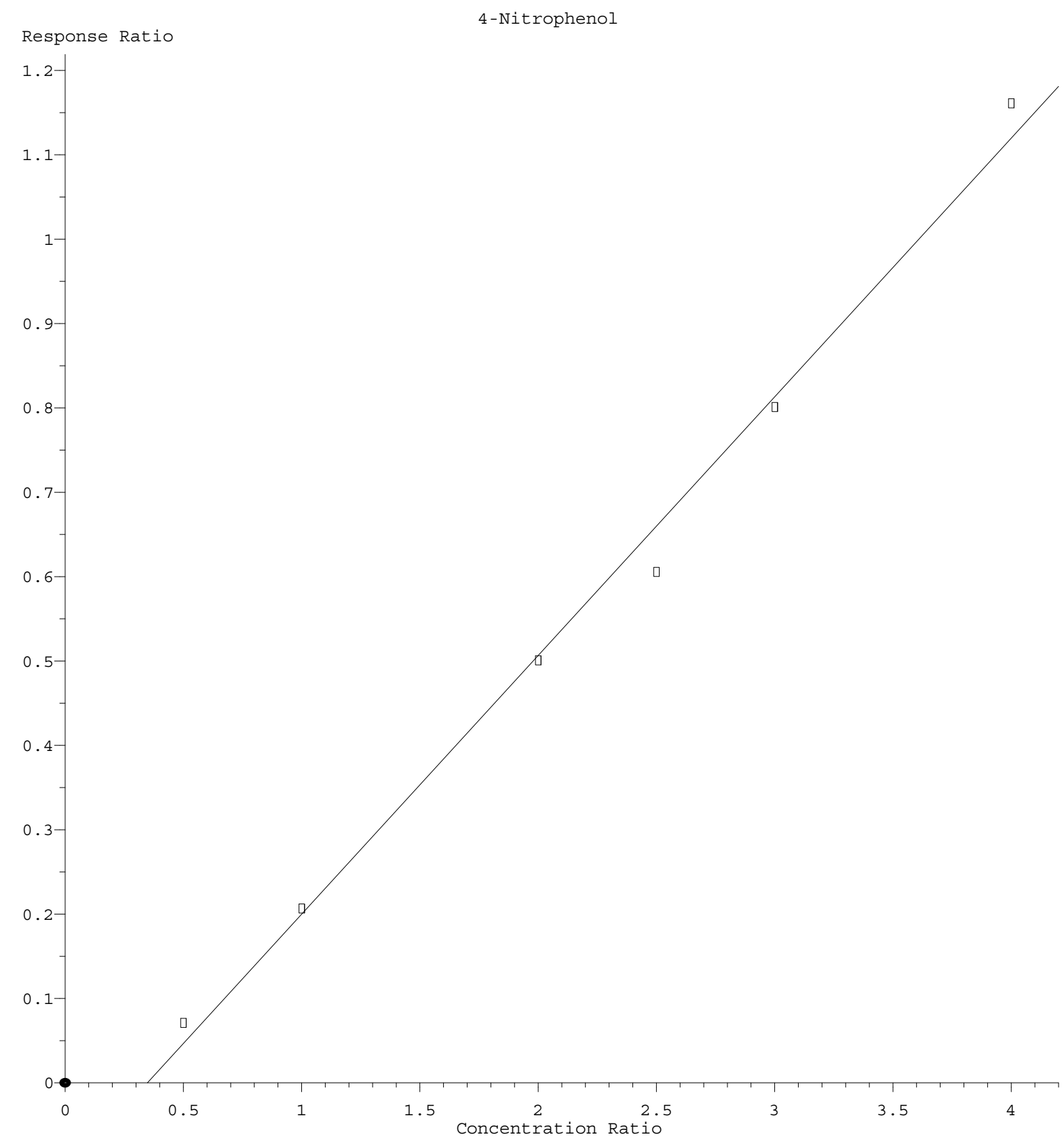
Response = 1.464e-001 * Amt - 4.270e-002
Coef of Det (r^2) = 0.995211 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



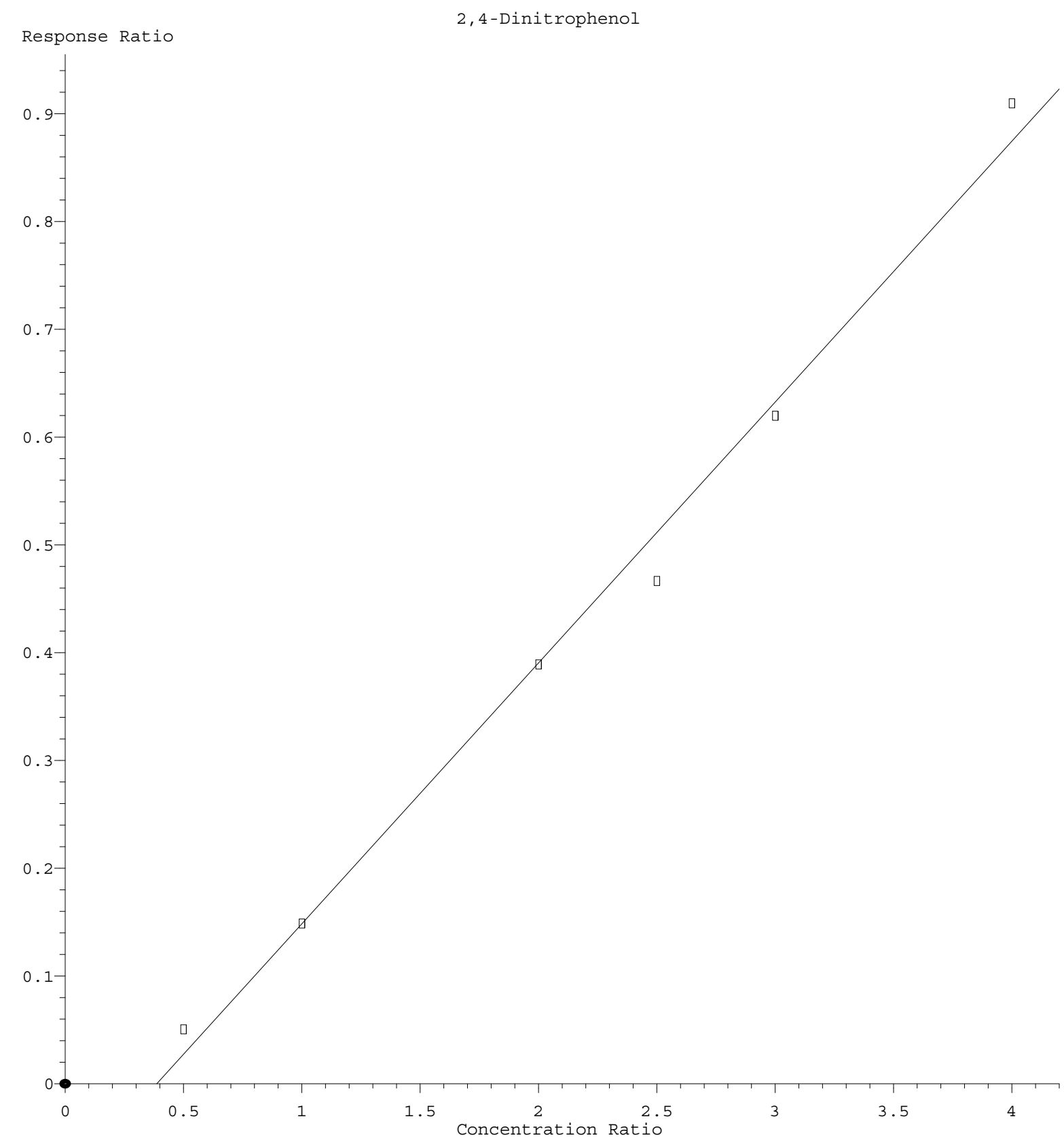
Response = 3.505e-001 * Amt - 1.006e-001
Coef of Det (r^2) = 0.994394 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



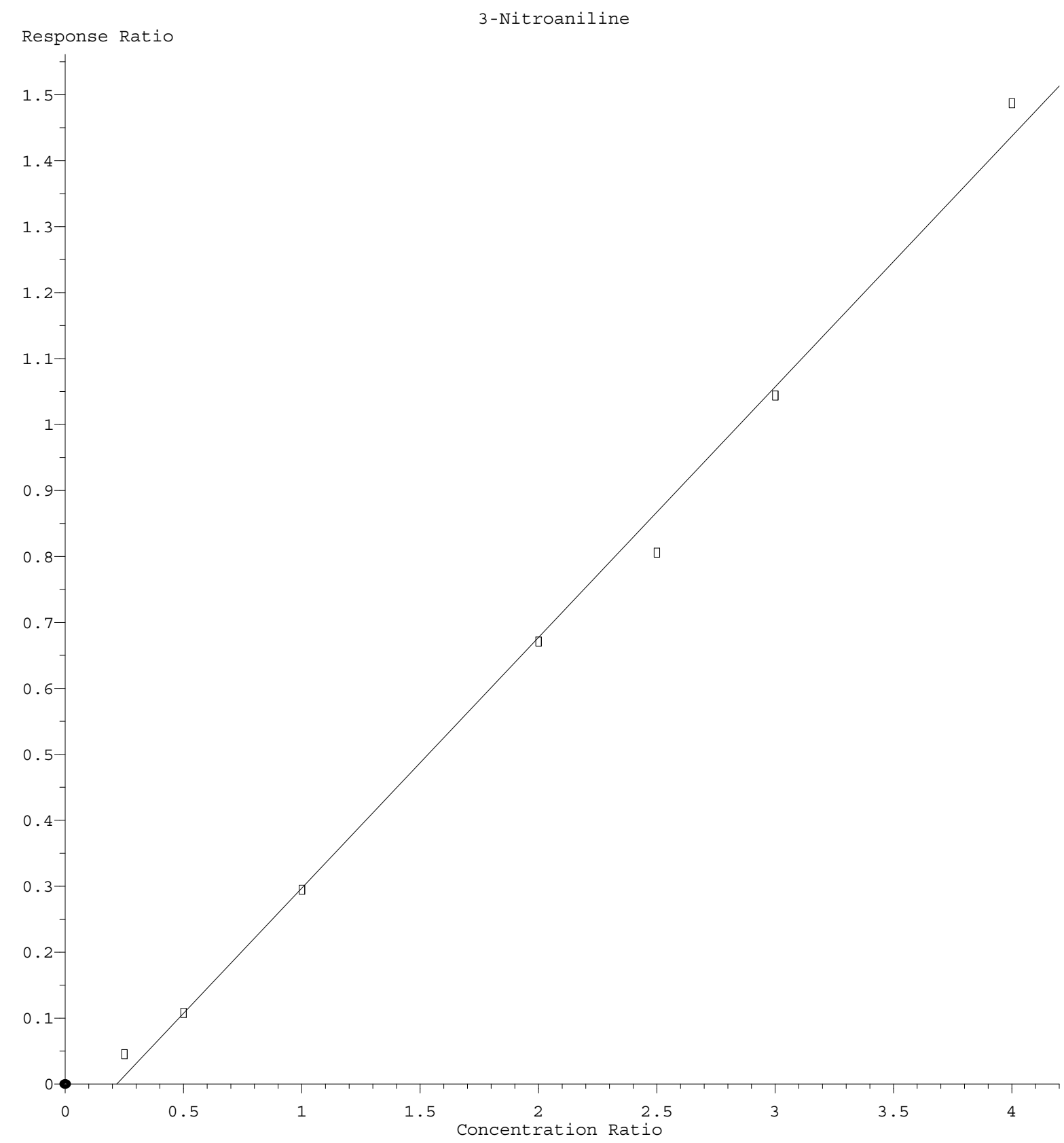
Response = 5.090e-001 * Amt - 1.011e-001
Coef of Det (r^2) = 0.994084 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



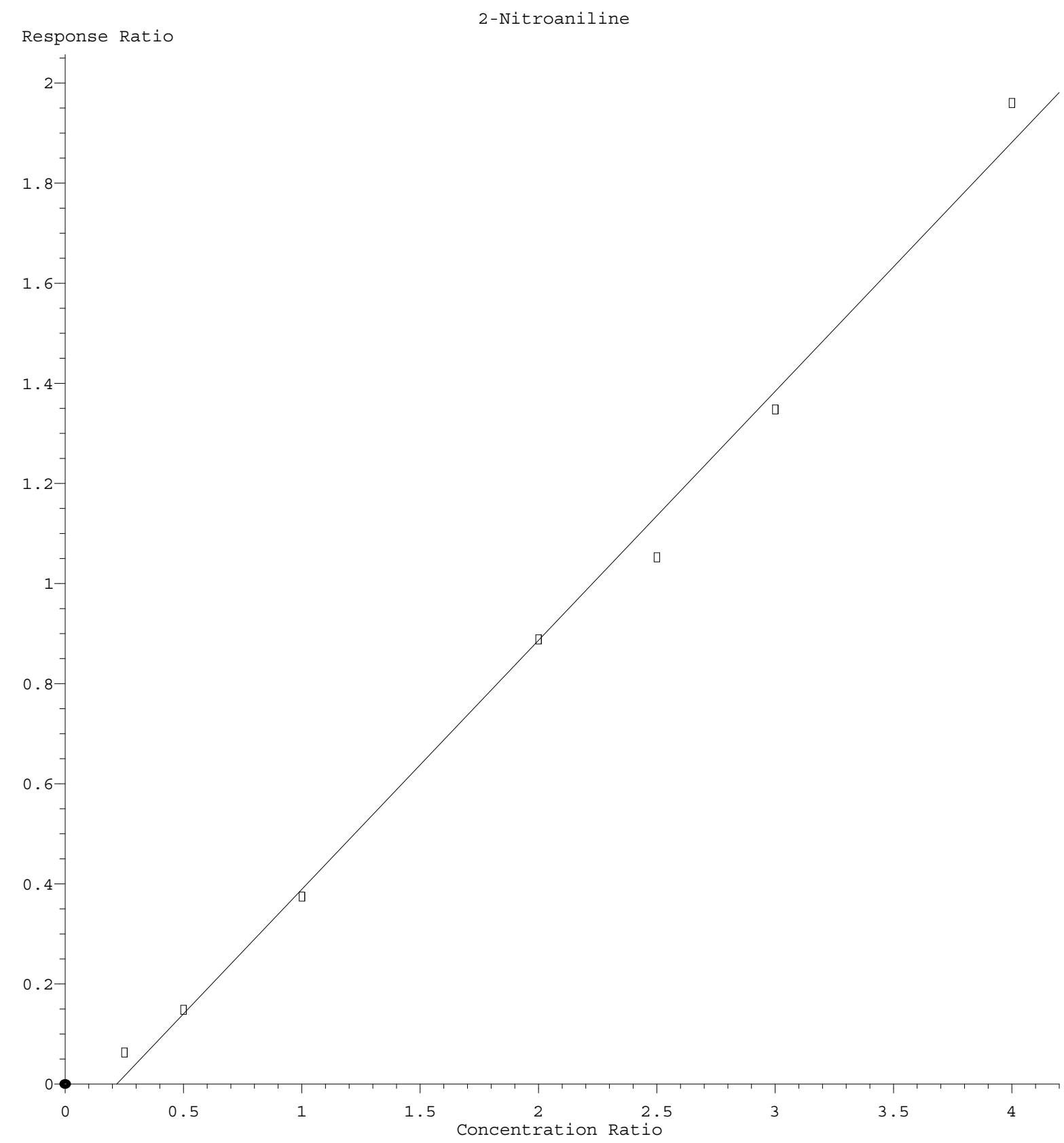
Response = 3.066e-001 * Amt - 1.066e-001
Coef of Det (r^2) = 0.993073 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



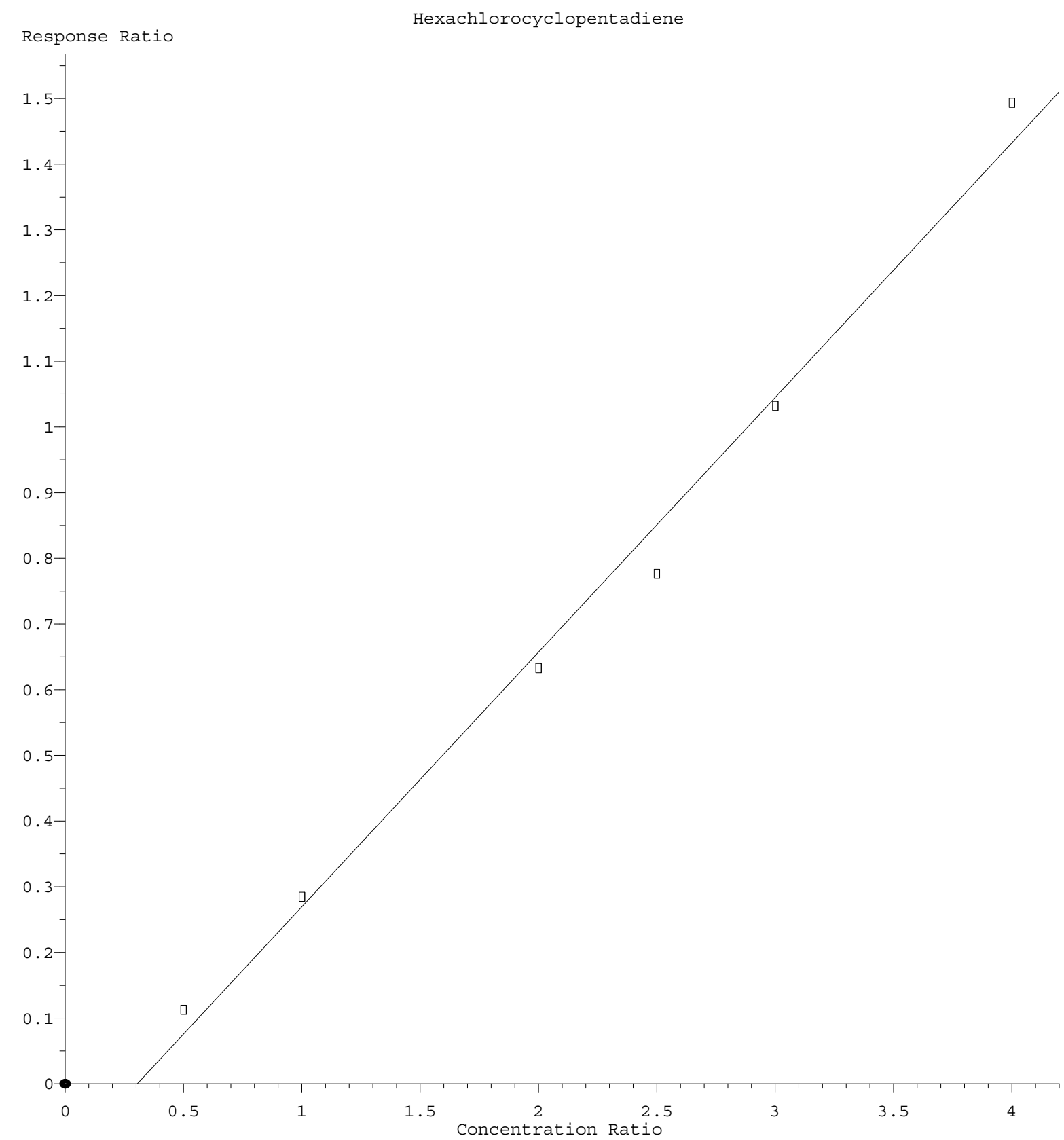
Response = 2.420e-001 * Amt - 9.376e-002
Coef of Det (r^2) = 0.991969 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



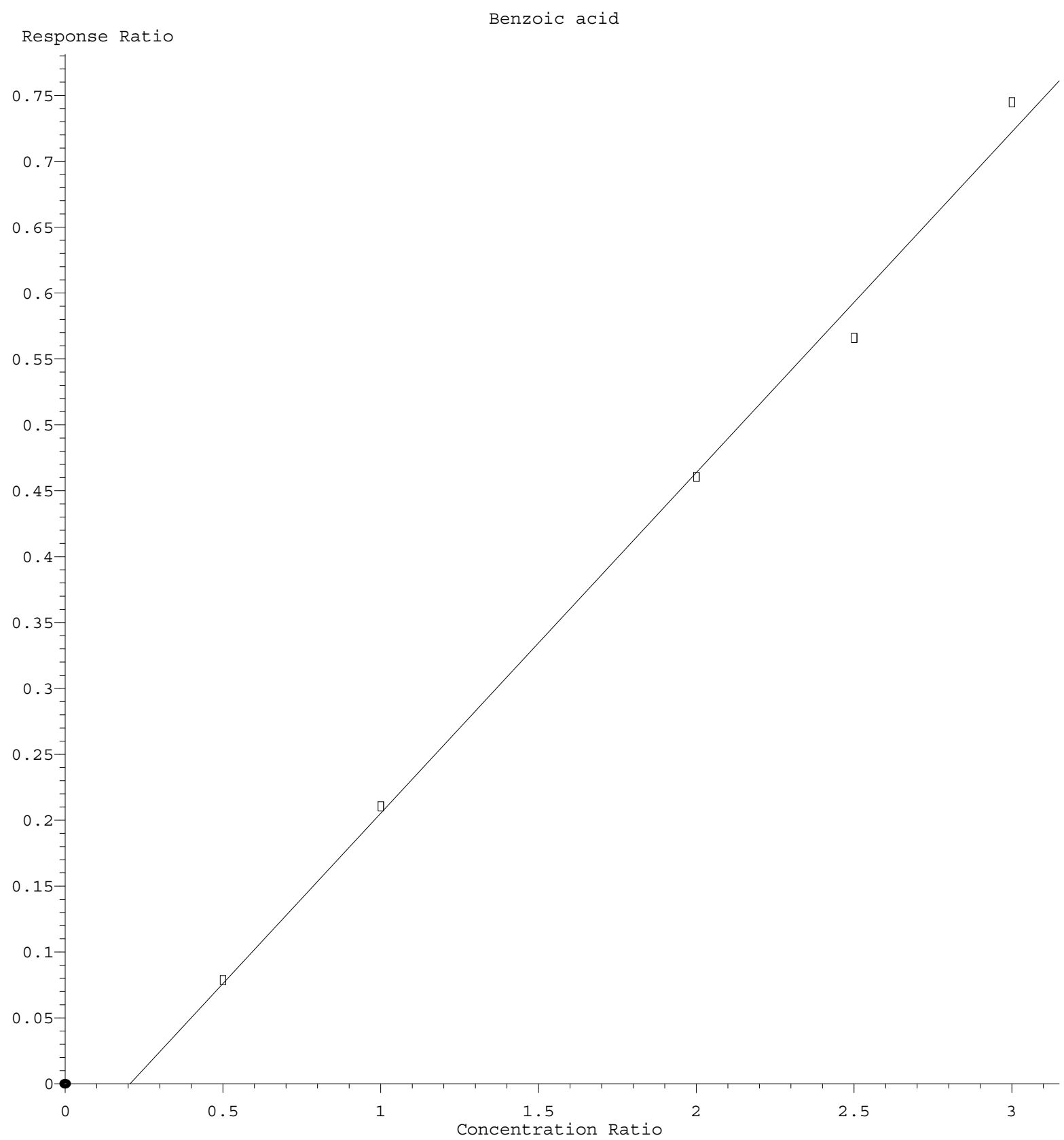
Response = 3.799e-001 * Amt - 8.267e-002
Coef of Det (r^2) = 0.995441 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



Response = 4.975e-001 * Amt - 1.082e-001
Coef of Det (r^2) = 0.994104 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



Response = 3.877e-001 * Amt - 1.182e-001
Coef of Det (r^2) = 0.990807 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023



Response = 2.584e-001 * Amt - 5.312e-002
Coef of Det (r^2) = 0.995538 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM103023.M
Calibration Table Last Updated: Tue Oct 31 02:55:18 2023

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042488.D
Acq On : 30 Oct 2023 11:04
Operator : MA/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 31 02:42:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 19:16:11 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	79327	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	334952	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	199600	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	435818	20.000	ng	0.00
76) Chrysene-d12	21.509	240	420601	20.000	ng	0.00
86) Perylene-d12	23.933	264	468582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.751	70	9782	2.051	ng	# 98

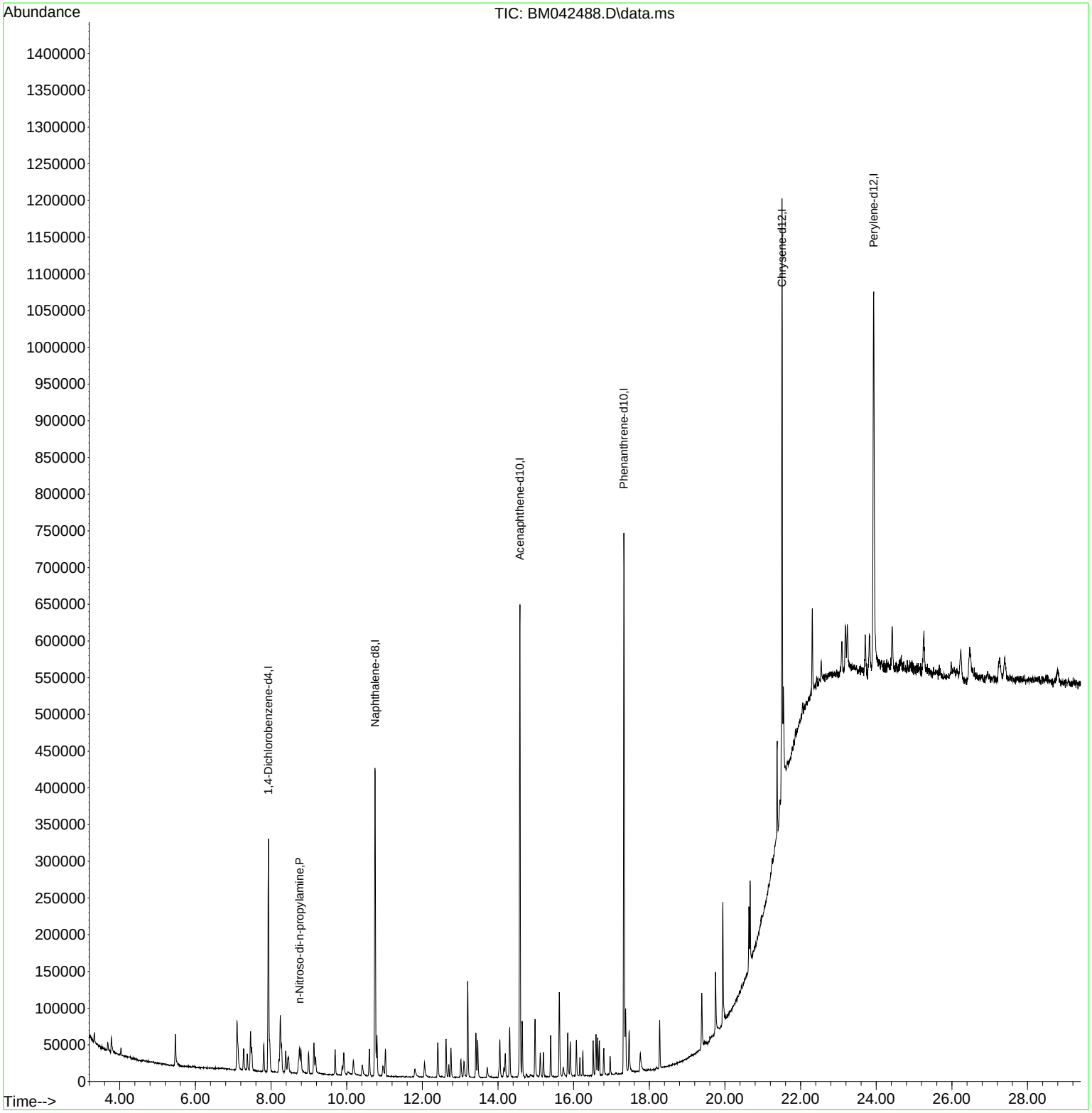
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042488.D
Acq On : 30 Oct 2023 11:04
Operator : MA/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 31 02:42:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 19:16:11 2023
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042489.D
Acq On : 30 Oct 2023 11:40
Operator : MA/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:19:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:17:38 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	77136	20.000	ng		0.00
21) Naphthalene-d8	10.751	136	322109	20.000	ng		0.00
39) Acenaphthene-d10	14.580	164	191299	20.000	ng		0.00
64) Phenanthrene-d10	17.327	188	418241	20.000	ng		0.00
76) Chrysene-d12	21.509	240	415112	20.000	ng		0.00
86) Perylene-d12	23.933	264	456552	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	44231	9.254	ng		0.00
7) Phenol-d6	7.098	99	58637	8.945	ng		0.00
23) Nitrobenzene-d5	9.128	82	58857	8.518	ng		0.00
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng		
45) 2-Fluorobiphenyl	13.198	172	131268	9.233	ng		0.00
79) Terphenyl-d14	19.945	244	196268	8.017	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	11279	4.952	ng	#	89
3) Pyridine	3.769	79	32132	5.012	ng	#	90
4) n-Nitrosodimethylamine	3.681	42	15093	4.800	ng	#	98
6) Aniline	7.275	93	37631	4.516	ng		98
8) 2-Chlorophenol	7.487	128	24210	4.698	ng		99
9) Benzaldehyde	7.098	77	21923	5.803	ng		95
10) Phenol	7.128	94	30653	4.604	ng		99
11) bis(2-Chloroethyl)ether	7.369	93	27052	4.803	ng		99
12) 1,3-Dichlorobenzene	7.810	146	27377	4.915	ng		99
13) 1,4-Dichlorobenzene	7.963	146	28064	4.979	ng		97
14) 1,2-Dichlorobenzene	8.275	146	26753	4.916	ng		98
15) Benzyl Alcohol	8.204	79	17997m	3.878	ng		
16) 2,2'-oxybis(1-Chloropr...	8.445	45	44660	4.963	ng		99
17) 2-Methylphenol	8.387	107	21259	4.510	ng		97
18) Hexachloroethane	8.987	117	10452	4.739	ng		94
19) n-Nitroso-di-n-propyla...	8.751	70	20829	4.492	ng	#	99
20) 3+4-Methylphenols	8.722	107	26411	4.191	ng		98
22) Acetophenone	8.787	105	36083	4.442	ng	#	94
24) Nitrobenzene	9.175	77	29673	4.360	ng		99
25) Isophorone	9.692	82	53830	4.401	ng		96
26) 2-Nitrophenol	9.881	139	9660	6.611	ng		98
27) 2,4-Dimethylphenol	9.922	122	20124	4.267	ng		93
28) bis(2-Chloroethoxy)met...	10.175	93	32874	4.462	ng		99
29) 2,4-Dichlorophenol	10.404	162	18925	4.088	ng		95
30) 1,2,4-Trichlorobenzene	10.598	180	23404	4.613	ng		99
31) Naphthalene	10.798	128	77780	4.674	ng		99
33) 4-Chloroaniline	10.951	127	24573	3.787	ng		97
34) Hexachlorobutadiene	11.022	225	14372	4.666	ng		99
36) 4-Chloro-3-methylphenol	12.051	107	21162	4.017	ng		97
37) 2-Methylnaphthalene	12.404	142	53384	4.555	ng		99
38) 1-Methylnaphthalene	12.628	142	50006	4.533	ng		99
40) 1,2,4,5-Tetrachloroben...	12.757	216	25789	4.513	ng		98
43) 2,4,6-Trichlorophenol	13.016	196	14758	4.032	ng		96
44) 2,4,5-Trichlorophenol	13.092	196	18350	4.213	ng		96
46) 1,1'-Biphenyl	13.416	154	67476	4.614	ng		99
47) 2-Chloronaphthalene	13.463	162	48696	4.539	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042489.D
Acq On : 30 Oct 2023 11:40
Operator : MA/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:19:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:17:38 2023
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48)	2-Nitroaniline	13.716	65	12036	6.880	ng		98
49)	Acenaphthylene	14.310	152	77778	4.378	ng		99
50)	Dimethylphthalate	14.045	163	63891	4.469	ng		99
51)	2,6-Dinitrotoluene	14.192	165	11853	4.022	ng		95
52)	Acenaphthene	14.639	154	49140	4.557	ng		99
53)	3-Nitroaniline	14.545	138	8681	6.741	ng		98
55)	Dibenzofuran	14.980	168	78616	4.484	ng		98
57)	2,4-Dinitrotoluene	14.974	165	13102	6.663	ng	#	84
58)	Fluorene	15.627	166	62410	4.400	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.198	232	15148	4.129	ng	#	100
60)	Diethylphthalate	15.392	149	62432	4.310	ng		98
61)	4-Chlorophenyl-phenyle...	15.621	204	30858	4.306	ng		95
62)	4-Nitroaniline	15.704	138	4934	7.060	ng		84
63)	Azobenzene	15.910	77	63675	3.989	ng		99
66)	n-Nitrosodiphenylamine	15.845	169	51382	4.357	ng		98
67)	4-Bromophenyl-phenylether	16.515	248	17901	4.280	ng		98
68)	Hexachlorobenzene	16.592	284	20726	4.480	ng		98
69)	Atrazine	16.792	200	15300	4.490	ng		97
71)	Phenanthrene	17.374	178	98660	4.514	ng		98
72)	Anthracene	17.462	178	92163	4.257	ng		99
73)	Carbazole	17.757	167	69604	3.952	ng		100
74)	Di-n-butylphthalate	18.274	149	97687	3.950	ng		99
75)	Fluoranthene	19.386	202	105510	4.109	ng		97
77)	Benzidine	19.651	184	19434m	4.881	ng		
78)	Pyrene	19.751	202	121696	4.269	ng		100
80)	Butylbenzylphthalate	20.633	149	48732	4.003	ng		99
81)	Benzo(a)anthracene	21.492	228	113878	4.312	ng		99
82)	3,3'-Dichlorobenzidine	21.445	252	34198	4.074	ng		95
83)	Chrysene	21.545	228	125781	4.688	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.380	149	79632	4.328	ng		100
85)	Di-n-octyl phthalate	22.309	149	142846	4.510	ng	#	98
87)	Indeno(1,2,3-cd)pyrene	26.462	276	112889	4.154	ng		98
88)	Benzo(b)fluoranthene	23.180	252	105058	4.130	ng	#	95
89)	Benzo(k)fluoranthene	23.233	252	132589m	4.669	ng		
90)	Benzo(a)pyrene	23.821	252	99452	3.971	ng		96
91)	Dibenzo(a,h)anthracene	26.480	278	80929	7.086	ng		98
92)	Benzo(g,h,i)perylene	27.250	276	102322	4.272	ng		97

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

ICAL Form

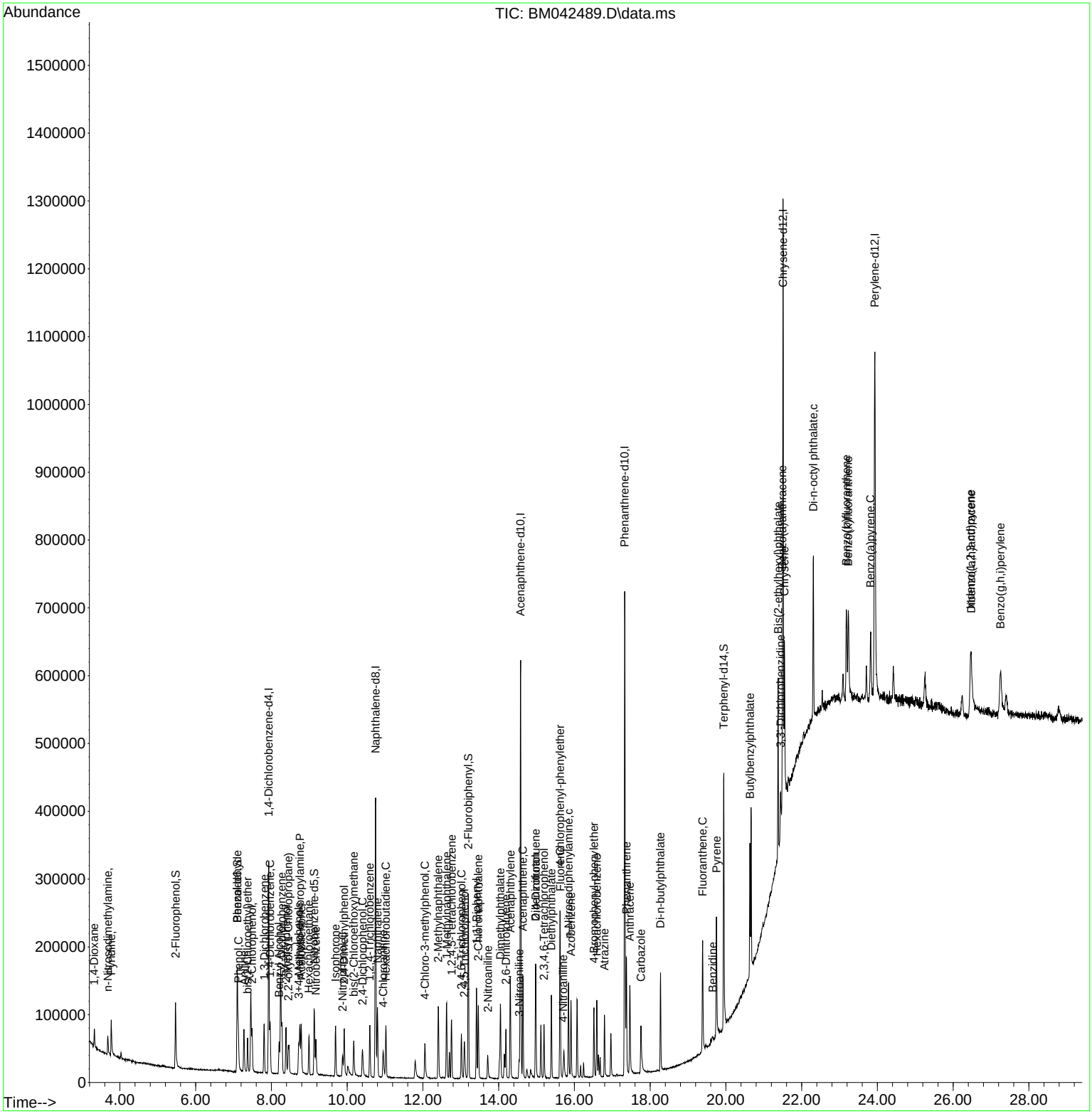
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042489.D
Acq On : 30 Oct 2023 11:40
Operator : MA/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 30 16:19:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:17:38 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042490.D
Acq On : 30 Oct 2023 12:16
Operator : MA/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:37:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	80361	20.000	ng		0.00
21) Naphthalene-d8	10.751	136	329746	20.000	ng		0.00
39) Acenaphthene-d10	14.580	164	196000	20.000	ng		0.00
64) Phenanthrene-d10	17.327	188	426347	20.000	ng		0.00
76) Chrysene-d12	21.509	240	431648	20.000	ng		0.00
86) Perylene-d12	23.932	264	456987	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	92655	18.608	ng		0.00
7) Phenol-d6	7.098	99	124556	18.239	ng		0.00
23) Nitrobenzene-d5	9.128	82	126477	17.880	ng		0.00
42) 2,4,6-Tribromophenol	16.074	330	39731	15.526	ng		0.00
45) 2-Fluorobiphenyl	13.198	172	267084	18.336	ng		0.00
79) Terphenyl-d14	19.944	244	413381	16.239	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	23292	9.815	ng		97
3) Pyridine	3.763	79	63480	9.504	ng		94
4) n-Nitrosodimethylamine	3.675	42	29910	9.130	ng	#	98
6) Aniline	7.275	93	78625	9.058	ng		98
8) 2-Chlorophenol	7.486	128	48847	9.098	ng		98
9) Benzaldehyde	7.098	77	41895	10.645	ng		97
10) Phenol	7.122	94	63522	9.159	ng		99
11) bis(2-Chloroethyl)ether	7.369	93	56225	9.583	ng		96
12) 1,3-Dichlorobenzene	7.810	146	54741	9.434	ng		98
13) 1,4-Dichlorobenzene	7.963	146	54972	9.361	ng		99
14) 1,2-Dichlorobenzene	8.275	146	53961	9.517	ng		99
15) Benzyl Alcohol	8.198	79	40602m	8.398	ng		
16) 2,2'-oxybis(1-Chloropr...	8.463	45	88026m	9.389	ng		
17) 2-Methylphenol	8.386	107	43950	8.950	ng		96
18) Hexachloroethane	8.992	117	20677	8.998	ng		97
19) n-Nitroso-di-n-propyla...	8.751	70	44291	9.168	ng		99
20) 3+4-Methylphenols	8.716	107	56757	8.645	ng		97
22) Acetophenone	8.786	105	77354	9.301	ng	#	99
24) Nitrobenzene	9.175	77	62698	8.999	ng		99
25) Isophorone	9.692	82	109109	8.715	ng		99
26) 2-Nitrophenol	9.880	139	21820	10.342	ng		95
27) 2,4-Dimethylphenol	9.922	122	42525m	8.807	ng		
28) bis(2-Chloroethoxy)met...	10.175	93	67827	8.992	ng		99
29) 2,4-Dichlorophenol	10.398	162	40596	8.566	ng		98
30) 1,2,4-Trichlorobenzene	10.598	180	47830	9.209	ng		96
31) Naphthalene	10.798	128	157984	9.273	ng		99
32) Benzoic acid	10.022	122	25936m	10.199	ng		
33) 4-Chloroaniline	10.945	127	56605	8.521	ng		97
34) Hexachlorobutadiene	11.027	225	28218	8.949	ng		100
35) Caprolactam	11.792	113	12749	7.657	ng		91
36) 4-Chloro-3-methylphenol	12.051	107	46201	8.566	ng		93
37) 2-Methylnaphthalene	12.404	142	107816	8.986	ng		100
38) 1-Methylnaphthalene	12.627	142	102251	9.054	ng		99
40) 1,2,4,5-Tetrachloroben...	12.757	216	52944	9.042	ng		99
41) Hexachlorocyclopentadiene	12.698	237	22061	10.662	ng		99
43) 2,4,6-Trichlorophenol	13.016	196	32276	8.606	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042490.D
Acq On : 30 Oct 2023 12:16
Operator : MA/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:37:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.092	196	38557	8.639	ng		95
46) 1,1'-Biphenyl	13.416	154	137240	9.160	ng		98
47) 2-Chloronaphthalene	13.463	162	102645	9.339	ng		100
48) 2-Nitroaniline	13.710	65	29052	10.310	ng		95
49) Acenaphthylene	14.310	152	161788	8.888	ng		99
50) Dimethylphthalate	14.045	163	132752	9.062	ng		99
51) 2,6-Dinitrotoluene	14.192	165	25658	8.498	ng		98
52) Acenaphthene	14.645	154	99870	9.040	ng		98
53) 3-Nitroaniline	14.539	138	21133	10.028	ng		97
54) 2,4-Dinitrophenol	14.739	184	9895	11.919	ng		95
55) Dibenzofuran	14.980	168	162768	9.062	ng		99
56) 4-Nitrophenol	14.839	139	13926	11.588	ng		88
57) 2,4-Dinitrotoluene	14.974	165	31430	10.273	ng	#	91
58) Fluorene	15.627	166	130885	9.006	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	32767	8.717	ng		99
60) Diethylphthalate	15.392	149	130056	8.763	ng		99
61) 4-Chlorophenyl-phenyle...	15.615	204	63823	8.693	ng		99
62) 4-Nitroaniline	15.704	138	15099	10.135	ng		92
63) Azobenzene	15.909	77	141298	8.640	ng		98
65) 4,6-Dinitro-2-methylph...	15.721	198	16646	11.170	ng		97
66) n-Nitrosodiphenylamine	15.845	169	107592	8.950	ng		98
67) 4-Bromophenyl-phenylether	16.515	248	37119	8.707	ng		98
68) Hexachlorobenzene	16.592	284	42050	8.916	ng		96
69) Atrazine	16.792	200	32878	9.465	ng		98
70) Pentachlorophenol	16.962	266	27091	7.813	ng		99
71) Phenanthrene	17.374	178	200896	9.017	ng		99
72) Anthracene	17.462	178	190290	8.623	ng		100
73) Carbazole	17.756	167	155260	8.648	ng		98
74) Di-n-butylphthalate	18.274	149	213120	8.453	ng		99
75) Fluoranthene	19.386	202	227558	8.695	ng		99
77) Benzidine	19.609	184	44183m	10.684	ng		
78) Pyrene	19.750	202	248032	8.368	ng		100
80) Butylbenzylphthalate	20.633	149	101874	8.047	ng		99
81) Benzo(a)anthracene	21.491	228	239761	8.730	ng		100
82) 3,3'-Dichlorobenzidine	21.439	252	78039	8.941	ng		99
83) Chrysene	21.544	228	259962	9.318	ng		99
84) Bis(2-ethylhexyl)phtha...	21.380	149	170793	8.927	ng		100
85) Di-n-octyl phthalate	22.309	149	302558	9.188	ng		100
87) Indeno(1,2,3-cd)pyrene	26.462	276	218574	8.036	ng		98
88) Benzo(b)fluoranthene	23.185	252	221848	8.714	ng		98
89) Benzo(k)fluoranthene	23.233	252	249711	8.802	ng		99
90) Benzo(a)pyrene	23.821	252	223337	8.910	ng		97
91) Dibenzo(a,h)anthracene	26.479	278	172534	10.417	ng		100
92) Benzo(g,h,i)perylene	27.250	276	208368	8.692	ng		97

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

ICAL Form

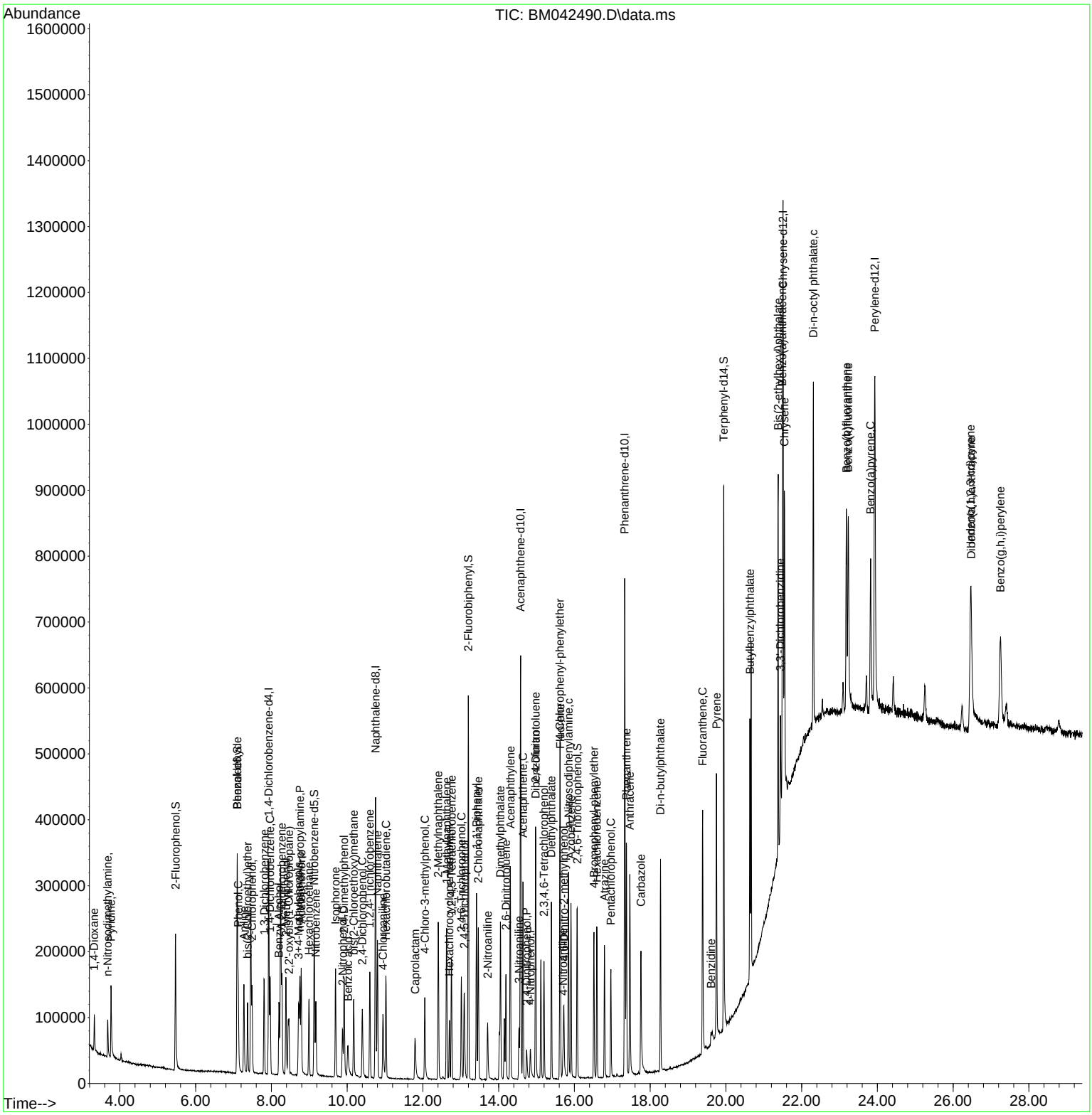
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042490.D
Acq On : 30 Oct 2023 12:16
Operator : MA/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 16:37:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042491.D
Acq On : 30 Oct 2023 12:52
Operator : MA/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 19:02:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	77641	20.000	ng		0.00
21) Naphthalene-d8	10.745	136	325175	20.000	ng		0.00
39) Acenaphthene-d10	14.580	164	194526	20.000	ng		0.00
64) Phenanthrene-d10	17.327	188	438122	20.000	ng		0.00
76) Chrysene-d12	21.509	240	428844	20.000	ng		0.00
86) Perylene-d12	23.927	264	440030	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.463	112	201628	41.911	ng		0.00
7) Phenol-d6	7.098	99	277378	42.041	ng		0.00
23) Nitrobenzene-d5	9.128	82	283750	40.678	ng		0.00
42) 2,4,6-Tribromophenol	16.074	330	97489	38.386	ng		0.00
45) 2-Fluorobiphenyl	13.198	172	588961	40.740	ng		0.00
79) Terphenyl-d14	19.939	244	980475	38.767	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	48950	21.350	ng		99
3) Pyridine	3.763	79	138317	21.433	ng		99
4) n-Nitrosodimethylamine	3.675	42	65332	20.642	ng		95
6) Aniline	7.275	93	174892	20.854	ng		99
8) 2-Chlorophenol	7.487	128	108536	20.923	ng		99
9) Benzaldehyde	7.098	77	82948	21.814	ng		98
10) Phenol	7.122	94	140582	20.980	ng		98
11) bis(2-Chloroethyl)ether	7.369	93	117813	20.783	ng		99
12) 1,3-Dichlorobenzene	7.804	146	116815	20.836	ng		99
13) 1,4-Dichlorobenzene	7.963	146	118246	20.840	ng		99
14) 1,2-Dichlorobenzene	8.275	146	112937	20.616	ng		97
15) Benzyl Alcohol	8.198	79	91947m	19.685	ng		
16) 2,2'-oxybis(1-Chloropr...	8.463	45	186977m	20.642	ng		
17) 2-Methylphenol	8.381	107	97066	20.458	ng		97
18) Hexachloroethane	8.992	117	46128	20.778	ng		98
19) n-Nitroso-di-n-propyla...	8.751	70	97976	20.992	ng		98
20) 3+4-Methylphenols	8.716	107	130979	20.648	ng		98
22) Acetophenone	8.787	105	167957	20.480	ng	#	98
24) Nitrobenzene	9.175	77	143105	20.829	ng		98
25) Isophorone	9.692	82	246159	19.937	ng		99
26) 2-Nitrophenol	9.875	139	51444	19.835	ng		99
27) 2,4-Dimethylphenol	9.922	122	97074m	20.388	ng		
28) bis(2-Chloroethoxy)met...	10.175	93	153058	20.577	ng		100
29) 2,4-Dichlorophenol	10.398	162	93670	20.043	ng		98
30) 1,2,4-Trichlorobenzene	10.598	180	104639	20.430	ng		97
31) Naphthalene	10.798	128	342803	20.405	ng		100
32) Benzoic acid	10.045	122	68451m	20.403	ng		
33) 4-Chloroaniline	10.945	127	130594	19.936	ng		99
34) Hexachlorobutadiene	11.022	225	61989	19.934	ng		99
35) Caprolactam	11.792	113	30216	18.402	ng		95
36) 4-Chloro-3-methylphenol	12.051	107	105028	19.747	ng		93
37) 2-Methylnaphthalene	12.404	142	239235	20.220	ng		99
38) 1-Methylnaphthalene	12.622	142	225201	20.221	ng		99
40) 1,2,4,5-Tetrachloroben...	12.757	216	117519	20.222	ng		99
41) Hexachlorocyclopentadiene	12.698	237	55359	19.775	ng		98
43) 2,4,6-Trichlorophenol	13.016	196	75542	20.295	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042491.D
Acq On : 30 Oct 2023 12:52
Operator : MA/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 19:02:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.086	196	89174	20.133	ng	98
46) 1,1'-Biphenyl	13.416	154	303719	20.425	ng	100
47) 2-Chloronaphthalene	13.463	162	223324	20.472	ng	99
48) 2-Nitroaniline	13.704	65	72850	19.407	ng	97
49) Acenaphthylene	14.310	152	369978	20.479	ng	100
50) Dimethylphthalate	14.051	163	295979	20.358	ng	100
51) 2,6-Dinitrotoluene	14.192	165	60761	20.278	ng	96
52) Acenaphthene	14.645	154	223792	20.411	ng	98
53) 3-Nitroaniline	14.533	138	57313	19.862	ng	96
54) 2,4-Dinitrophenol	14.733	184	28926	20.034	ng	95
55) Dibenzofuran	14.980	168	363459	20.388	ng	100
56) 4-Nitrophenol	14.833	139	40201	20.435	ng	98
57) 2,4-Dinitrotoluene	14.974	165	79114	19.953	ng	97
58) Fluorene	15.627	166	290460	20.137	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	75528	20.245	ng	100
60) Diethylphthalate	15.392	149	300977	20.434	ng	98
61) 4-Chlorophenyl-phenyle...	15.616	204	146149	20.056	ng	98
62) 4-Nitroaniline	15.698	138	46358	19.338	ng	97
63) Azobenzene	15.910	77	335542	20.672	ng	99
65) 4,6-Dinitro-2-methylph...	15.721	198	45968	20.172	ng	98
66) n-Nitrosodiphenylamine	15.845	169	249994	20.237	ng	98
67) 4-Bromophenyl-phenylether	16.515	248	86492	19.743	ng	97
68) Hexachlorobenzene	16.592	284	96547	19.921	ng	99
69) Atrazine	16.792	200	74953	20.998	ng	97
70) Pentachlorophenol	16.963	266	66258	18.596	ng	97
71) Phenanthrene	17.368	178	458770	20.037	ng	99
72) Anthracene	17.462	178	449982	19.842	ng	99
73) Carbazole	17.757	167	367193	19.903	ng	99
74) Di-n-butylphthalate	18.274	149	518155	20.000	ng	99
75) Fluoranthene	19.386	202	532734	19.808	ng	99
77) Benzidine	19.604	184	84394m	20.542	ng	
78) Pyrene	19.751	202	566380	19.234	ng	99
80) Butylbenzylphthalate	20.633	149	247783	19.701	ng	99
81) Benzo(a)anthracene	21.492	228	539477	19.772	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	176021	20.298	ng	98
83) Chrysene	21.545	228	554449	20.005	ng	99
84) Bis(2-ethylhexyl)phtha...	21.380	149	383771	20.190	ng	99
85) Di-n-octyl phthalate	22.309	149	669329	20.458	ng	100
87) Indeno(1,2,3-cd)pyrene	26.462	276	503431	19.223	ng	99
88) Benzo(b)fluoranthene	23.180	252	466002	19.009	ng	98
89) Benzo(k)fluoranthene	23.233	252	542345	19.854	ng	99
90) Benzo(a)pyrene	23.821	252	481761	19.961	ng	99
91) Dibenzo(a,h)anthracene	26.480	278	423411	20.141	ng	99
92) Benzo(g,h,i)perylene	27.250	276	457643	19.827	ng	98

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

ICAL Form

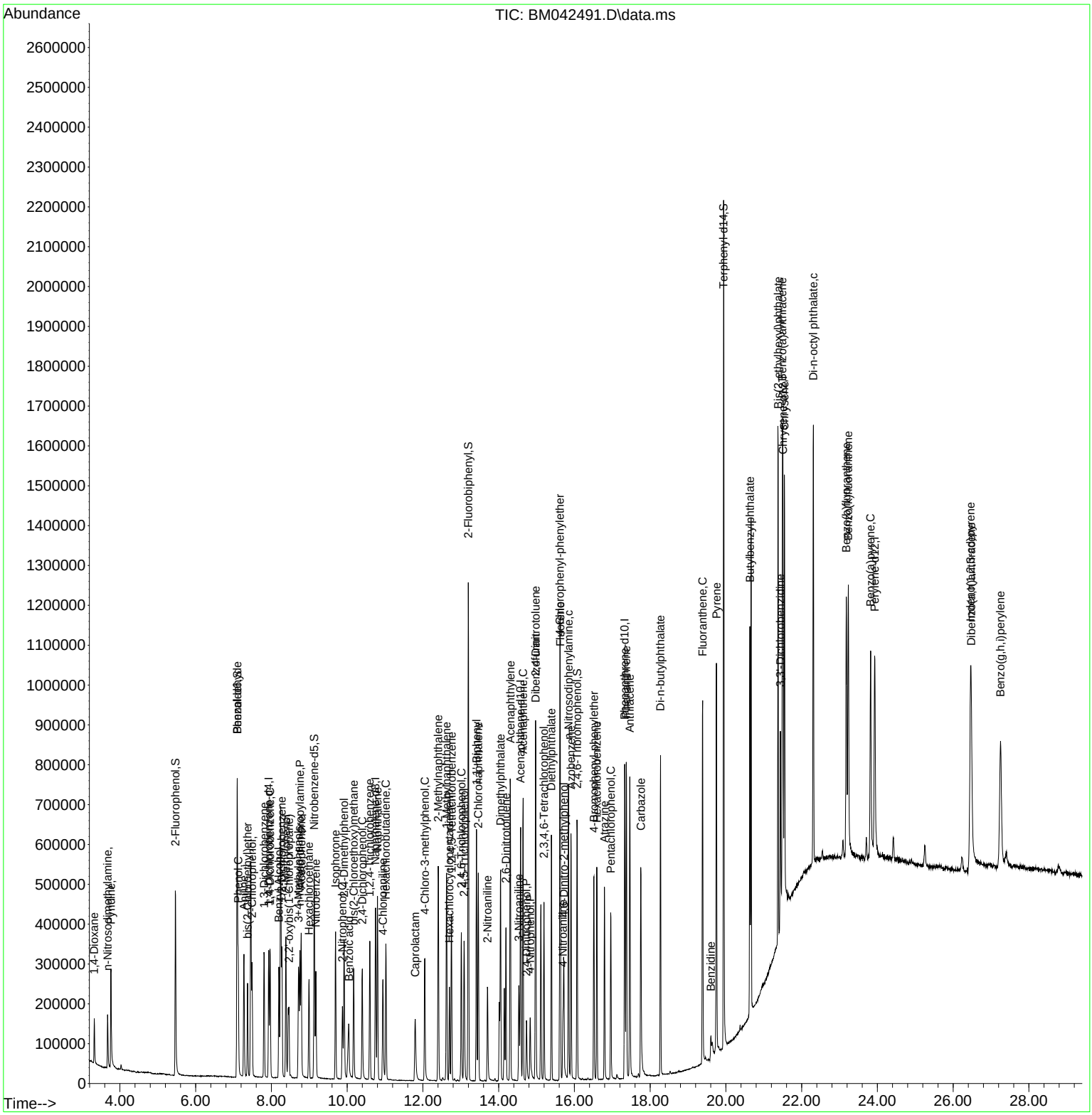
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042491.D
Acq On : 30 Oct 2023 12:52
Operator : MA/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 30 19:02:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042492.D
Acq On : 30 Oct 2023 13:29
Operator : MA/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 19:05:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	82914	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	337305	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	205506	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	452070	20.000	ng	0.00
76) Chrysene-d12	21.509	240	441056	20.000	ng	0.00
86) Perylene-d12	23.933	264	444423	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	411261	80.050	ng	0.00
7) Phenol-d6	7.098	99	569557	80.835	ng	0.00
23) Nitrobenzene-d5	9.134	82	610771	84.410	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	223368	83.251	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1263813	82.751	ng	0.00
79) Terphenyl-d14	19.945	244	2235748	85.952	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	97082	39.651	ng	100
3) Pyridine	3.758	79	278776	40.451	ng	100
4) n-Nitrosodimethylamine	3.675	42	134655	39.838	ng	100
6) Aniline	7.275	93	362791	40.507	ng	100
8) 2-Chlorophenol	7.487	128	220490	39.802	ng	100
9) Benzaldehyde	7.093	77	158223	38.963	ng	100
10) Phenol	7.128	94	285693	39.924	ng	100
11) bis(2-Chloroethyl)ether	7.369	93	238700	39.430	ng	100
12) 1,3-Dichlorobenzene	7.804	146	235640	39.358	ng	100
13) 1,4-Dichlorobenzene	7.963	146	236854	39.090	ng	100
14) 1,2-Dichlorobenzene	8.275	146	229411	39.215	ng	100
15) Benzyl Alcohol	8.198	79	208283m	41.755	ng	
16) 2,2'-oxybis(1-Chloropr...	8.445	45	379020	39.181	ng	100
17) 2-Methylphenol	8.381	107	204262	40.313	ng	100
18) Hexachloroethane	8.992	117	93625	39.490	ng	100
19) n-Nitroso-di-n-propyla...	8.757	70	206514	41.432	ng	100
20) 3+4-Methylphenols	8.716	107	278725	41.145	ng	100
22) Acetophenone	8.787	105	353877	41.598	ng	100
24) Nitrobenzene	9.175	77	299707	42.053	ng	100
25) Isophorone	9.698	82	542966	42.396	ng	100
26) 2-Nitrophenol	9.875	139	117921	39.575	ng	100
27) 2,4-Dimethylphenol	9.922	122	207213	41.954	ng	100
28) bis(2-Chloroethoxy)met...	10.175	93	324565	42.065	ng	100
29) 2,4-Dichlorophenol	10.398	162	208810	43.073	ng	100
30) 1,2,4-Trichlorobenzene	10.598	180	220472	41.498	ng	100
31) Naphthalene	10.798	128	725177	41.612	ng	100
32) Benzoic acid	10.075	122	155295	39.744	ng	100
33) 4-Chloroaniline	10.945	127	300632	44.243	ng	100
34) Hexachlorobutadiene	11.022	225	132129	40.962	ng	100
35) Caprolactam	11.804	113	72539	42.588	ng	100
36) 4-Chloro-3-methylphenol	12.045	107	238042	43.146	ng	100
37) 2-Methylnaphthalene	12.404	142	516468	42.081	ng	100
38) 1-Methylnaphthalene	12.628	142	483449	41.849	ng	100
40) 1,2,4,5-Tetrachloroben...	12.757	216	252979	41.206	ng	100
41) Hexachlorocyclopentadiene	12.698	237	130049	38.223	ng	100
43) 2,4,6-Trichlorophenol	13.016	196	167785	42.668	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042492.D
Acq On : 30 Oct 2023 13:29
Operator : MA/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 19:05:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.086	196	199456	42.625	ng	100
46) 1,1'-Biphenyl	13.416	154	658611	41.925	ng	100
47) 2-Chloronaphthalene	13.463	162	483631	41.966	ng	100
48) 2-Nitroaniline	13.704	65	182545	40.063	ng	100
49) Acenaphthylene	14.310	152	812734	42.582	ng	100
50) Dimethylphthalate	14.051	163	653073	42.519	ng	100
51) 2,6-Dinitrotoluene	14.192	165	137337	43.385	ng	100
52) Acenaphthene	14.645	154	486460	41.996	ng	100
53) 3-Nitroaniline	14.533	138	137877	39.670	ng	100
54) 2,4-Dinitrophenol	14.733	184	79958	39.896	ng	100
55) Dibenzofuran	14.980	168	792675	42.089	ng	100
56) 4-Nitrophenol	14.833	139	102909	39.619	ng	100
57) 2,4-Dinitrotoluene	14.974	165	187301	39.786	ng	100
58) Fluorene	15.627	166	649551	42.627	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.198	232	168340	42.712	ng	100
60) Diethylphthalate	15.398	149	669494	43.024	ng	100
61) 4-Chlorophenyl-phenyle...	15.616	204	325882	42.332	ng	100
62) 4-Nitroaniline	15.698	138	121425	39.456	ng	100
63) Azobenzene	15.910	77	752396	43.877	ng	100
65) 4,6-Dinitro-2-methylph...	15.721	198	114363	40.403	ng	100
66) n-Nitrosodiphenylamine	15.845	169	547611	42.961	ng	100
67) 4-Bromophenyl-phenylether	16.516	248	193873	42.888	ng	100
68) Hexachlorobenzene	16.592	284	212167	42.426	ng	100
69) Atrazine	16.798	200	156747	42.557	ng	100
70) Pentachlorophenol	16.963	266	153354	41.711	ng	100
71) Phenanthrene	17.374	178	1009337	42.724	ng	100
72) Anthracene	17.463	178	1024120	43.766	ng	100
73) Carbazole	17.751	167	881263	46.294	ng	100
74) Di-n-butylphthalate	18.274	149	1177074	44.031	ng	100
75) Fluoranthene	19.386	202	1201255	43.286	ng	100
77) Benzidine	19.604	184	173318	41.018	ng	100
78) Pyrene	19.751	202	1267079	41.837	ng	100
80) Butylbenzylphthalate	20.633	149	559384	43.245	ng	100
81) Benzo(a)anthracene	21.492	228	1163656	41.467	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	386097	43.291	ng	100
83) Chrysene	21.551	228	1176079	41.258	ng	100
84) Bis(2-ethylhexyl)phtha...	21.380	149	823189	42.109	ng	100
85) Di-n-octyl phthalate	22.309	149	1391195	41.344	ng	100
87) Indeno(1,2,3-cd)pyrene	26.468	276	1105115	41.780	ng	100
88) Benzo(b)fluoranthene	23.186	252	1033421	41.738	ng	100
89) Benzo(k)fluoranthene	23.233	252	1099938	39.867	ng	100
90) Benzo(a)pyrene	23.821	252	1014128	41.603	ng	100
91) Dibenzo(a,h)anthracene	26.480	278	920625	38.589	ng	100
92) Benzo(g,h,i)perylene	27.256	276	946345	40.593	ng	100

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

ICAL Form

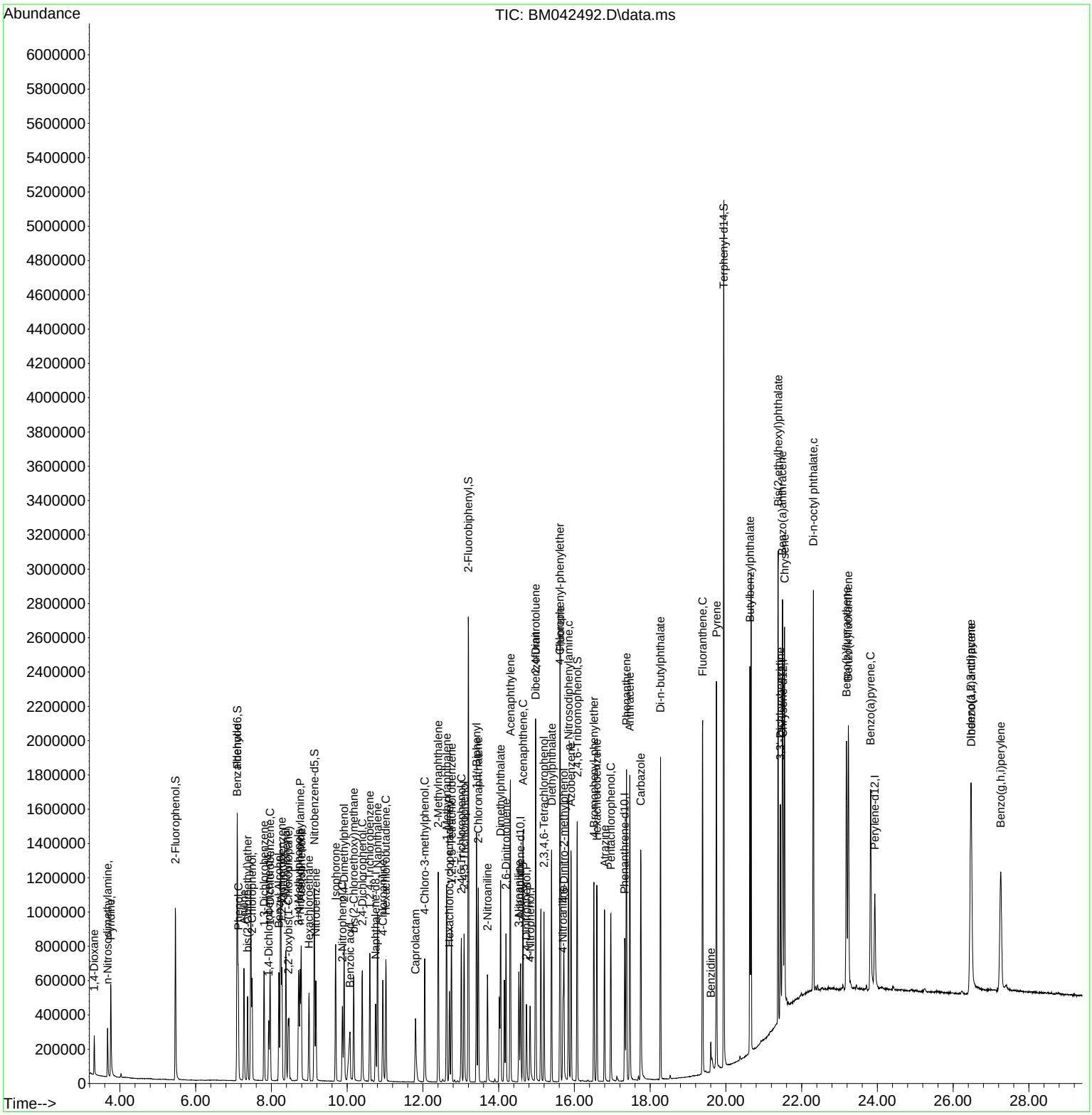
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042492.D
Acq On : 30 Oct 2023 13:29
Operator : MA/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 30 19:05:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042493.D
Acq On : 30 Oct 2023 14:05
Operator : MA/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 19:07:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	82473	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	357006	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	219397	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	484954	20.000	ng	0.00
76) Chrysene-d12	21.509	240	444786	20.000	ng	0.00
86) Perylene-d12	23.933	264	441951	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	512386	100.267	ng	0.00
7) Phenol-d6	7.099	99	707371	100.931	ng	0.00
23) Nitrobenzene-d5	9.134	82	767555	100.224	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	286745	100.106	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	1594632	97.802	ng	0.00
79) Terphenyl-d14	19.945	244	2765135	105.412	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	117467	48.233	ng	98
3) Pyridine	3.758	79	345226	50.361	ng	99
4) n-Nitrosodimethylamine	3.675	42	166539	49.535	ng	99
6) Aniline	7.275	93	451656	50.699	ng	99
8) 2-Chlorophenol	7.487	128	278138	50.477	ng	99
9) Benzaldehyde	7.093	77	187745	46.480	ng	97
10) Phenol	7.128	94	358208	50.325	ng	99
11) bis(2-Chloroethyl)ether	7.375	93	298414	49.557	ng	98
12) 1,3-Dichlorobenzene	7.810	146	291514	48.951	ng	97
13) 1,4-Dichlorobenzene	7.963	146	297619	49.381	ng	98
14) 1,2-Dichlorobenzene	8.275	146	286347	49.210	ng	98
15) Benzyl Alcohol	8.198	79	262423m	52.889	ng	
16) 2,2'-oxybis(1-Chloropr...	8.463	45	472493m	49.105	ng	
17) 2-Methylphenol	8.381	107	256795	50.952	ng	99
18) Hexachloroethane	8.992	117	117421	49.792	ng	99
19) n-Nitroso-di-n-propyla...	8.757	70	261971	52.839	ng	99
20) 3+4-Methylphenols	8.716	107	348018	51.648	ng	99
22) Acetophenone	8.787	105	443980	49.310	ng	99
24) Nitrobenzene	9.175	77	374654	49.668	ng	100
25) Isophorone	9.698	82	681915	50.307	ng	100
26) 2-Nitrophenol	9.875	139	149012	46.568	ng	100
27) 2,4-Dimethylphenol	9.922	122	259405	49.623	ng	100
28) bis(2-Chloroethoxy)met...	10.175	93	408582	50.032	ng	100
29) 2,4-Dichlorophenol	10.398	162	263427	51.340	ng	98
30) 1,2,4-Trichlorobenzene	10.598	180	275942	49.073	ng	98
31) Naphthalene	10.798	128	898440	48.709	ng	100
32) Benzoic acid	10.087	122	202014	47.906	ng	99
33) 4-Chloroaniline	10.945	127	373590	51.945	ng	98
34) Hexachlorobutadiene	11.022	225	169129	49.539	ng	99
35) Caprolactam	11.810	113	91326	50.659	ng	96
36) 4-Chloro-3-methylphenol	12.051	107	299720	51.327	ng	98
37) 2-Methylnaphthalene	12.404	142	641726	49.401	ng	98
38) 1-Methylnaphthalene	12.622	142	606364	49.592	ng	99
40) 1,2,4,5-Tetrachloroben...	12.757	216	322843	49.256	ng	99
41) Hexachlorocyclopentadiene	12.698	237	170315	45.823	ng	97
43) 2,4,6-Trichlorophenol	13.016	196	211835	50.460	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042493.D
Acq On : 30 Oct 2023 14:05
Operator : MA/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 19:07:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.086	196	251013	50.246	ng	97
46) 1,1'-Biphenyl	13.416	154	820439	48.920	ng	99
47) 2-Chloronaphthalene	13.463	162	601701	48.905	ng	99
48) 2-Nitroaniline	13.704	65	230874	46.658	ng	98
49) Acenaphthylene	14.310	152	1017828	49.951	ng	99
50) Dimethylphthalate	14.051	163	807226	49.227	ng	99
51) 2,6-Dinitrotoluene	14.192	165	172653	51.088	ng	98
52) Acenaphthene	14.645	154	611656	49.461	ng	98
53) 3-Nitroaniline	14.539	138	176765	46.765	ng	100
54) 2,4-Dinitrophenol	14.733	184	102345	46.292	ng	98
55) Dibenzofuran	14.980	168	992375	49.356	ng	99
56) 4-Nitrophenol	14.833	139	132871	46.460	ng	99
57) 2,4-Dinitrotoluene	14.974	165	238219	46.638	ng	98
58) Fluorene	15.627	166	807320	49.626	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	211369	50.233	ng	100
60) Diethylphthalate	15.398	149	832888	50.135	ng	100
61) 4-Chlorophenyl-phenyle...	15.616	204	409716	49.852	ng	99
62) 4-Nitroaniline	15.698	138	156766	46.513	ng	98
63) Azobenzene	15.916	77	938253	51.252	ng	98
65) 4,6-Dinitro-2-methylph...	15.721	198	146933	47.236	ng	96
66) n-Nitrosodiphenylamine	15.845	169	683698	50.000	ng	99
67) 4-Bromophenyl-phenylether	16.516	248	241416	49.785	ng	98
68) Hexachlorobenzene	16.598	284	265572	49.504	ng	96
69) Atrazine	16.798	200	195296	49.428	ng	100
70) Pentachlorophenol	16.963	266	197922	50.183	ng	99
71) Phenanthrene	17.374	178	1250487	49.342	ng	99
72) Anthracene	17.463	178	1263212	50.323	ng	100
73) Carbazole	17.751	167	1092285	53.488	ng	100
74) Di-n-butylphthalate	18.274	149	1478109	51.543	ng	100
75) Fluoranthene	19.386	202	1497895	50.316	ng	99
77) Benzidine	19.604	184	189621m	44.500	ng	
78) Pyrene	19.751	202	1587632	51.982	ng	99
80) Butylbenzylphthalate	20.633	149	695315	53.303	ng	98
81) Benzo(a)anthracene	21.492	228	1419045	50.144	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	453992	50.477	ng	99
83) Chrysene	21.551	228	1407032	48.946	ng	100
84) Bis(2-ethylhexyl)phtha...	21.380	149	985420	49.985	ng	99
85) Di-n-octyl phthalate	22.309	149	1682992	49.597	ng	100
87) Indeno(1,2,3-cd)pyrene	26.468	276	1389230	52.815	ng	98
88) Benzo(b)fluoranthene	23.186	252	1272006	51.661	ng	100
89) Benzo(k)fluoranthene	23.233	252	1370378	49.947	ng	100
90) Benzo(a)pyrene	23.821	252	1241987	51.235	ng	99
91) Dibenzo(a,h)anthracene	26.485	278	1126493	46.529	ng	97
92) Benzo(g,h,i)perylene	27.256	276	1193047	51.462	ng	100

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

ICAL Form

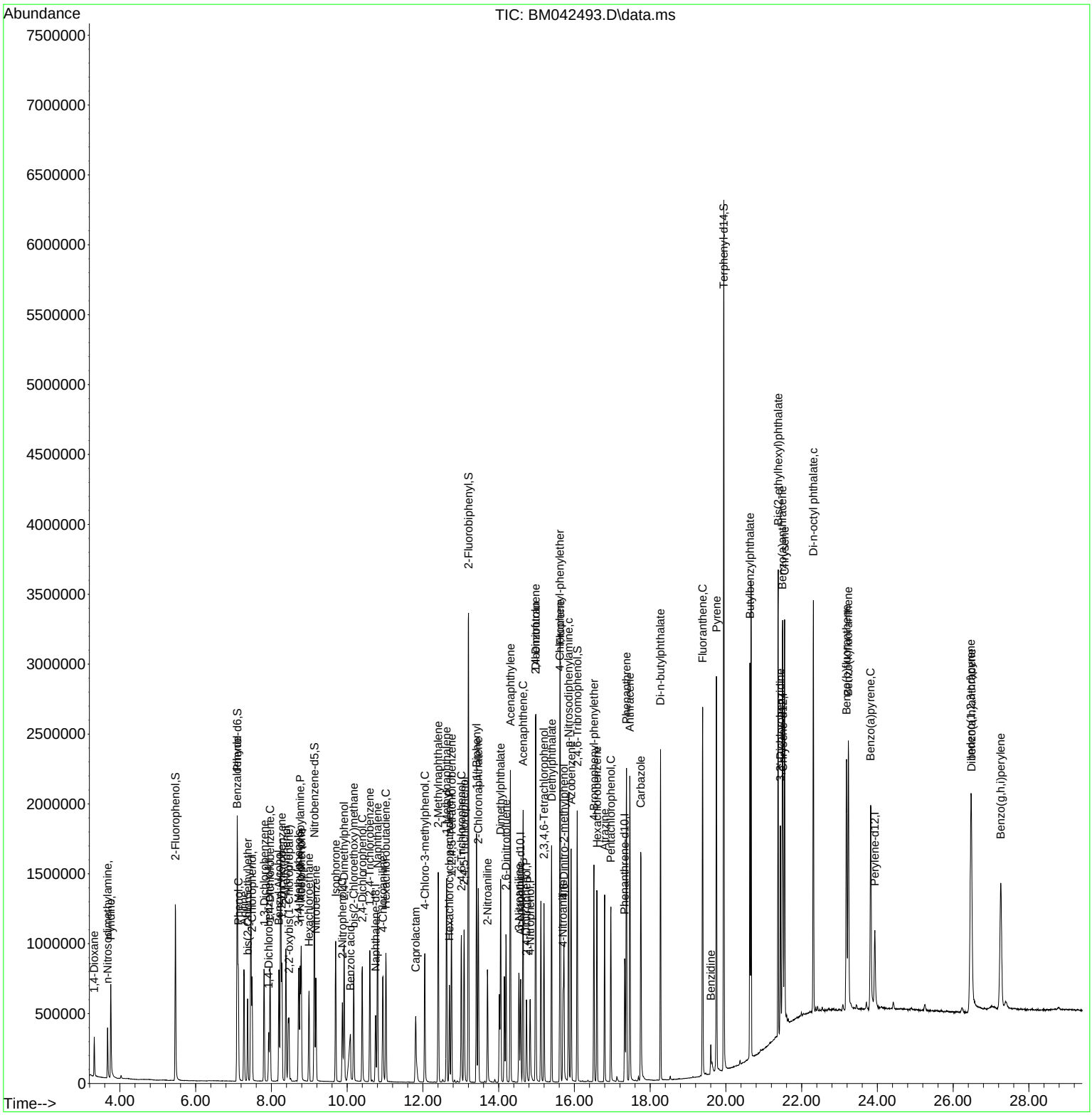
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042493.D
Acq On : 30 Oct 2023 14:05
Operator : MA/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 30 19:07:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042494.D
Acq On : 30 Oct 2023 14:41
Operator : MA/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:43:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:41:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.928	152	82025	20.000	ng	0.00
21) Naphthalene-d8	10.751	136	348223	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	213160	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	473583	20.000	ng	0.00
76) Chrysene-d12	21.509	240	438993	20.000	ng	0.00
86) Perylene-d12	23.927	264	429658	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	626579	123.282	ng	0.00
7) Phenol-d6	7.098	99	871146	124.978	ng	0.00
23) Nitrobenzene-d5	9.134	82	950991	127.309	ng	0.00
42) 2,4,6-Tribromophenol	16.074	330	355841	127.863	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	1964441	124.008	ng	0.00
79) Terphenyl-d14	19.945	244	3444933	133.060	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	146204	60.361	ng	98
3) Pyridine	3.757	79	420603m	61.692	ng	
4) n-Nitrosodimethylamine	3.675	42	206811	61.849	ng	98
6) Aniline	7.275	93	551096	62.199	ng	98
8) 2-Chlorophenol	7.487	128	337376	61.561	ng	99
9) Benzaldehyde	7.093	77	215881	53.738	ng	99
10) Phenol	7.128	94	436365	61.640	ng	99
11) bis(2-Chloroethyl)ether	7.375	93	366475	61.192	ng	99
12) 1,3-Dichlorobenzene	7.804	146	361174	60.979	ng	99
13) 1,4-Dichlorobenzene	7.963	146	361776	60.353	ng	98
14) 1,2-Dichlorobenzene	8.275	146	352757	60.954	ng	98
15) Benzyl Alcohol	8.198	79	326869m	66.238	ng	
16) 2,2'-oxybis(1-Chloropr...	8.463	45	578042m	60.402	ng	
17) 2-Methylphenol	8.381	107	315891	63.020	ng	98
18) Hexachloroethane	8.992	117	146719	62.555	ng	97
19) n-Nitroso-di-n-propyla...	8.757	70	319983	64.893	ng	99
20) 3+4-Methylphenols	8.722	107	430868	64.293	ng	97
22) Acetophenone	8.787	105	545626	62.128	ng	99
24) Nitrobenzene	9.175	77	461450	62.718	ng	99
25) Isophorone	9.698	82	835354	63.181	ng	100
26) 2-Nitrophenol	9.875	139	188178	59.254	ng	97
27) 2,4-Dimethylphenol	9.922	122	319132	62.589	ng	100
28) bis(2-Chloroethoxy)met...	10.175	93	495129	62.159	ng	100
29) 2,4-Dichlorophenol	10.398	162	321330	64.205	ng	99
30) 1,2,4-Trichlorobenzene	10.598	180	337831	61.594	ng	97
31) Naphthalene	10.798	128	1107131	61.538	ng	100
32) Benzoic acid	10.098	122	259323	61.748	ng	95
33) 4-Chloroaniline	10.945	127	458840	65.408	ng	99
34) Hexachlorobutadiene	11.022	225	209773	62.994	ng	99
35) Caprolactam	11.816	113	113201	64.376	ng	99
36) 4-Chloro-3-methylphenol	12.051	107	368794	64.749	ng	99
37) 2-Methylnaphthalene	12.404	142	785358	61.983	ng	98
38) 1-Methylnaphthalene	12.627	142	737178	61.812	ng	99
40) 1,2,4,5-Tetrachloroben...	12.757	216	398074	62.511	ng	100
41) Hexachlorocyclopentadiene	12.698	237	219952	59.362	ng	99
43) 2,4,6-Trichlorophenol	13.016	196	264266	64.791	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042494.D
Acq On : 30 Oct 2023 14:41
Operator : MA/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:43:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:41:16 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.086	196	309123	63.689	ng	98
46) 1,1'-Biphenyl	13.416	154	1002017	61.495	ng	99
47) 2-Chloronaphthalene	13.463	162	733896	61.395	ng	99
48) 2-Nitroaniline	13.704	65	287263	58.531	ng	100
49) Acenaphthylene	14.310	152	1234401	62.353	ng	99
50) Dimethylphthalate	14.057	163	986404	61.914	ng	100
51) 2,6-Dinitrotoluene	14.198	165	212562	64.737	ng	96
52) Acenaphthene	14.645	154	740570	61.638	ng	100
53) 3-Nitroaniline	14.539	138	222514	59.304	ng	98
54) 2,4-Dinitrophenol	14.733	184	132099	58.953	ng	97
55) Dibenzofuran	14.980	168	1211041	61.994	ng	100
56) 4-Nitrophenol	14.833	139	170752	59.208	ng	99
57) 2,4-Dinitrotoluene	14.974	165	295373	58.423	ng	98
58) Fluorene	15.627	166	989651	62.614	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	261791	64.037	ng	99
60) Diethylphthalate	15.398	149	1013932	62.819	ng	99
61) 4-Chlorophenyl-phenyle...	15.616	204	508056	63.626	ng	99
62) 4-Nitroaniline	15.698	138	200965	59.539	ng	99
63) Azobenzene	15.916	77	1138240	63.995	ng	99
65) 4,6-Dinitro-2-methylph...	15.721	198	183333	58.732	ng	96
66) n-Nitrosodiphenylamine	15.845	169	832955	62.378	ng	98
67) 4-Bromophenyl-phenylether	16.515	248	299656	63.278	ng	99
68) Hexachlorobenzene	16.598	284	327080	62.433	ng	95
69) Atrazine	16.798	200	237641	61.589	ng	98
70) Pentachlorophenol	16.962	266	248976	64.644	ng	99
71) Phenanthrene	17.374	178	1530157	61.827	ng	100
72) Anthracene	17.462	178	1552999	63.352	ng	99
73) Carbazole	17.751	167	1343142	67.351	ng	100
74) Di-n-butylphthalate	18.274	149	1806184	64.496	ng	99
75) Fluoranthene	19.386	202	1864498	64.134	ng	99
77) Benzidine	19.598	184	259019	61.589	ng	99
78) Pyrene	19.751	202	1970859	65.381	ng	99
80) Butylbenzylphthalate	20.633	149	836477	64.971	ng	98
81) Benzo(a)anthracene	21.492	228	1791487	64.140	ng	100
82) 3,3'-Dichlorobenzidine	21.439	252	568201	64.009	ng	98
83) Chrysene	21.550	228	1728373	60.918	ng	100
84) Bis(2-ethylhexyl)phtha...	21.374	149	1228507	63.137	ng	100
85) Di-n-octyl phthalate	22.309	149	2064655	61.647	ng	100
87) Indeno(1,2,3-cd)pyrene	26.474	276	1711522	66.929	ng	98
88) Benzo(b)fluoranthene	23.186	252	1587809	66.332	ng	99
89) Benzo(k)fluoranthene	23.233	252	1691328	63.409	ng	99
90) Benzo(a)pyrene	23.827	252	1549171	65.736	ng	98
91) Dibenzo(a,h)anthracene	26.485	278	1399905	58.325	ng	97
92) Benzo(g,h,i)perylene	27.262	276	1477311	65.547	ng	99

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

ICAL Form

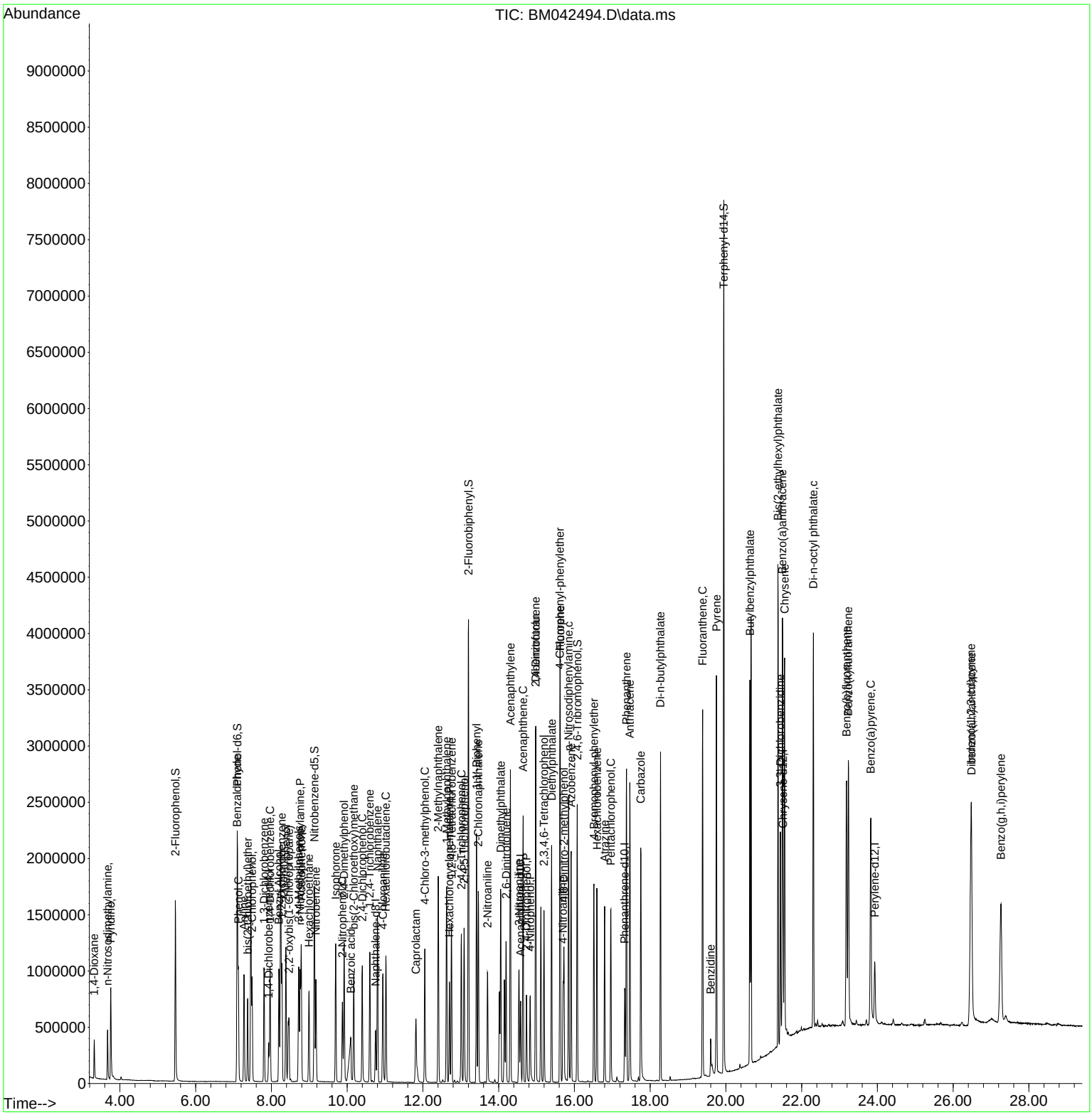
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042494.D
Acq On : 30 Oct 2023 14:41
Operator : MA/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 30 16:43:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:41:16 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042495.D
Acq On : 30 Oct 2023 15:18
Operator : MA/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 30 16:32:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.928	152	80733	20.000	ng		0.00
21) Naphthalene-d8	10.751	136	340800	20.000	ng		0.00
39) Acenaphthene-d10	14.580	164	208557	20.000	ng		0.00
64) Phenanthrene-d10	17.327	188	460151	20.000	ng		0.00
76) Chrysene-d12	21.509	240	426842	20.000	ng		0.00
86) Perylene-d12	23.927	264	428143	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.469	112	853023	170.522	ng		0.00
7) Phenol-d6	7.104	99	1186891	173.001	ng		0.00
23) Nitrobenzene-d5	9.139	82	1308887	179.037	ng		0.00
42) 2,4,6-Tribromophenol	16.080	330	503979	185.090	ng		0.00
45) 2-Fluorobiphenyl	13.204	172	2716801	175.287	ng		0.00
79) Terphenyl-d14	19.945	244	4752142	188.776	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	190462	79.892	ng		98
3) Pyridine	3.757	79	570622m	85.035	ng		
4) n-Nitrosodimethylamine	3.675	42	283688	86.198	ng		97
6) Aniline	7.281	93	756952	86.800	ng		99
8) 2-Chlorophenol	7.492	128	463433	85.916	ng		98
9) Benzaldehyde	7.092	77	279926	70.795	ng		98
10) Phenol	7.134	94	603298	86.585	ng		99
11) bis(2-Chloroethyl)ether	7.375	93	492890	83.617	ng		98
12) 1,3-Dichlorobenzene	7.810	146	490846	84.199	ng		99
13) 1,4-Dichlorobenzene	7.969	146	498181	84.439	ng		97
14) 1,2-Dichlorobenzene	8.281	146	480234	84.309	ng		96
15) Benzyl Alcohol	8.204	79	464139	95.560	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.463	45	784964m	83.338	ng		
17) 2-Methylphenol	8.386	107	435329	88.237	ng		98
18) Hexachloroethane	8.992	117	200903	87.028	ng		98
19) n-Nitroso-di-n-propyla...	8.763	70	442846	91.247	ng		99
20) 3+4-Methylphenols	8.722	107	597270	90.549	ng		99
22) Acetophenone	8.786	105	753563	87.673	ng	#	99
24) Nitrobenzene	9.181	77	631739	87.733	ng		97
25) Isophorone	9.704	82	1172179	90.587	ng		100
26) 2-Nitrophenol	9.875	139	262013	82.814	ng		98
27) 2,4-Dimethylphenol	9.922	122	441539	88.481	ng		97
28) bis(2-Chloroethoxy)met...	10.175	93	680615	87.307	ng		98
29) 2,4-Dichlorophenol	10.398	162	450610	91.997	ng		99
30) 1,2,4-Trichlorobenzene	10.598	180	467859	87.159	ng		98
31) Naphthalene	10.804	128	1517870	86.206	ng		99
33) 4-Chloroaniline	10.945	127	636347	92.688	ng		98
34) Hexachlorobutadiene	11.028	225	289556	88.846	ng		99
35) Caprolactam	11.827	113	160181	93.078	ng		99
36) 4-Chloro-3-methylphenol	12.051	107	521030	93.470	ng		99
37) 2-Methylnaphthalene	12.404	142	1097516	88.507	ng		99
38) 1-Methylnaphthalene	12.627	142	1035259	88.696	ng		99
40) 1,2,4,5-Tetrachloroben...	12.757	216	560805	90.008	ng		99
41) Hexachlorocyclopentadiene	12.698	237	311433	83.805	ng		99
43) 2,4,6-Trichlorophenol	13.016	196	371153	93.005	ng		98
44) 2,4,5-Trichlorophenol	13.086	196	438746	92.390	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042495.D
Acq On : 30 Oct 2023 15:18
Operator : MA/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 16:32:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.416	154	1388189	87.075	ng	100
47) 2-Chloronaphthalene	13.469	162	1014374	86.732	ng	100
48) 2-Nitroaniline	13.710	65	408771	83.151	ng	96
49) Acenaphthylene	14.310	152	1718372	88.715	ng	99
50) Dimethylphthalate	14.057	163	1375182	88.222	ng	99
51) 2,6-Dinitrotoluene	14.198	165	294648	91.717	ng	99
52) Acenaphthene	14.645	154	1032213	87.807	ng	98
53) 3-Nitroaniline	14.539	138	310127	82.631	ng	96
54) 2,4-Dinitrophenol	14.739	184	189706	82.907	ng	97
55) Dibenzofuran	14.980	168	1689610	88.401	ng	100
56) 4-Nitrophenol	14.833	139	242138	82.690	ng	96
57) 2,4-Dinitrotoluene	14.980	165	420838	83.265	ng	94
58) Fluorene	15.627	166	1374237	88.865	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.198	232	368165	92.045	ng	98
60) Diethylphthalate	15.398	149	1408271	89.176	ng	100
61) 4-Chlorophenyl-phenyle...	15.621	204	719356	92.076	ng	96
62) 4-Nitroaniline	15.704	138	281669	82.808	ng	96
63) Azobenzene	15.915	77	1553727	89.283	ng	98
65) 4,6-Dinitro-2-methylph...	15.727	198	257456	82.288	ng	99
66) n-Nitrosodiphenylamine	15.851	169	1150181	88.649	ng	98
67) 4-Bromophenyl-phenylether	16.515	248	428301	93.085	ng	98
68) Hexachlorobenzene	16.598	284	458202	90.015	ng	97
69) Atrazine	16.798	200	307906	82.129	ng	100
70) Pentachlorophenol	16.962	266	348796	93.204	ng	99
71) Phenanthrene	17.374	178	2132163	88.666	ng	100
72) Anthracene	17.468	178	2167936	91.019	ng	100
74) Di-n-butylphthalate	18.274	149	2521109	92.652	ng	99
75) Fluoranthene	19.386	202	2623352	92.870	ng	99
77) Benzidine	19.598	184	325180	79.522	ng	100
78) Pyrene	19.750	202	2748911	93.788	ng	99
80) Butylbenzylphthalate	20.633	149	1181332	94.368	ng	99
81) Benzo(a)anthracene	21.492	228	2536616	93.402	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	771668	89.404	ng	98
83) Chrysene	21.550	228	2437771	88.367	ng	100
84) Bis(2-ethylhexyl)phtha...	21.380	149	1706510	90.200	ng	97
85) Di-n-octyl phthalate	22.309	149	2874225	88.262	ng	99
87) Indeno(1,2,3-cd)pyrene	26.479	276	2421984	95.047	ng	96
88) Benzo(b)fluoranthene	23.186	252	2232412	93.591	ng	99
89) Benzo(k)fluoranthene	23.238	252	2422072	91.126	ng	98
90) Benzo(a)pyrene	23.827	252	2172330	92.504	ng	98
91) Dibenzo(a,h)anthracene	26.491	278	2053734	83.914	ng	97
92) Benzo(g,h,i)perylene	27.274	276	2063387	91.874	ng	98

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

ICAL Form

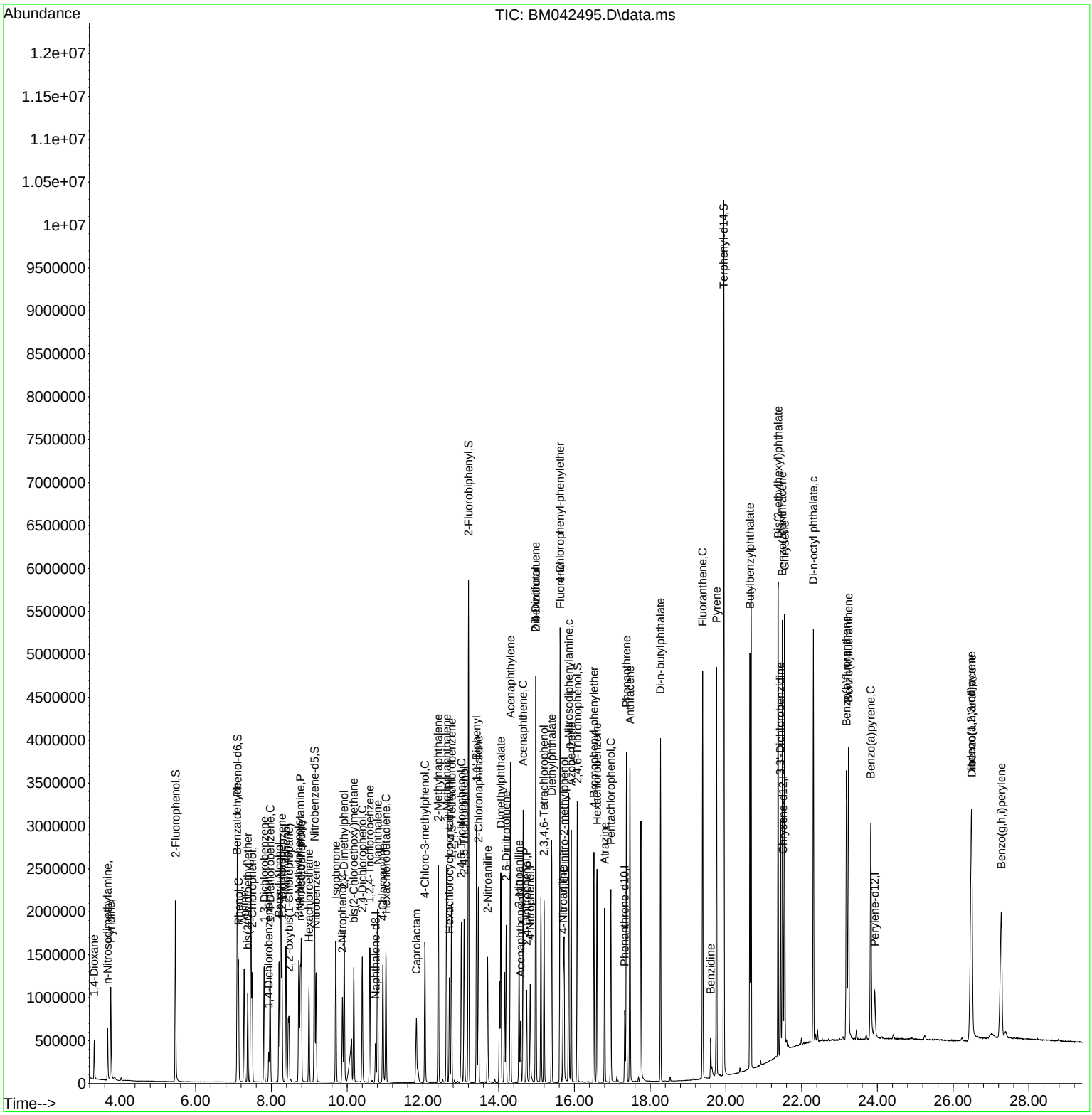
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042495.D
Acq On : 30 Oct 2023 15:18
Operator : MA/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 16:32:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:30:31 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	83692	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	348596	20.000	ng	-0.01
39) Acenaphthene-d10	14.574	164	214244	20.000	ng	0.00
64) Phenanthrene-d10	17.327	188	463127	20.000	ng	0.00
76) Chrysene-d12	21.509	240	443902	20.000	ng	0.00
86) Perylene-d12	23.933	264	458727	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	419161	80.829	ng	0.00
7) Phenol-d6	7.087	99	586131	82.414	ng	-0.01
23) Nitrobenzene-d5	9.122	82	630314	84.290	ng	-0.01
42) 2,4,6-Tribromophenol	16.074	330	234025	83.666	ng	0.00
45) 2-Fluorobiphenyl	13.198	172	1321592	83.005	ng	0.00
79) Terphenyl-d14	19.945	244	2315183	88.435	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.316	88	98701	39.938	ng	99
3) Pyridine	3.752	79	282353	39.827	ng	99
4) n-Nitrosodimethylamine	3.663	42	138877	40.705	ng	93
6) Aniline	7.269	93	366039	40.490	ng	99
8) 2-Chlorophenol	7.481	128	227508	40.687	ng	98
9) Benzaldehyde	7.087	77	165797	40.449	ng	99
10) Phenol	7.116	94	295401	40.897	ng	99
11) bis(2-Chloroethyl)ether	7.363	93	244813	40.063	ng	99
12) 1,3-Dichlorobenzene	7.798	146	242087	40.059	ng	99
13) 1,4-Dichlorobenzene	7.957	146	241849	39.543	ng	97
14) 1,2-Dichlorobenzene	8.269	146	235656	39.908	ng	98
15) Benzyl Alcohol	8.187	79	211524	42.010	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.457	45	385067m	39.599	ng	
17) 2-Methylphenol	8.375	107	210408	41.140	ng	99
18) Hexachloroethane	8.981	117	97323	40.668	ng	99
19) n-Nitroso-di-n-propyla...	8.745	70	214032	42.541	ng	99
20) 3+4-Methylphenols	8.710	107	284508	41.608	ng	97
22) Acetophenone	8.775	105	366101	41.641	ng	100
24) Nitrobenzene	9.169	77	306261	41.581	ng	97
25) Isophorone	9.686	82	557712	42.137	ng	99
26) 2-Nitrophenol	9.869	139	122690	39.818	ng	96
27) 2,4-Dimethylphenol	9.910	122	214928m	42.447	ng	
28) bis(2-Chloroethoxy)met...	10.163	93	334385	41.934	ng	99
29) 2,4-Dichlorophenol	10.386	162	214365	42.786	ng	99
30) 1,2,4-Trichlorobenzene	10.592	180	225581	41.085	ng	99
31) Naphthalene	10.792	128	740284	41.103	ng	99
32) Benzoic acid	10.069	122	162936	40.286	ng	97
33) 4-Chloroaniline	10.933	127	304324	43.335	ng	98
34) Hexachlorobutadiene	11.016	225	139050	41.711	ng	99
35) Caprolactam	11.798	113	74437	42.286	ng	97
36) 4-Chloro-3-methylphenol	12.039	107	247618	43.428	ng	99
37) 2-Methylnaphthalene	12.398	142	534194	42.115	ng	99
38) 1-Methylnaphthalene	12.622	142	501988	42.046	ng	100
40) 1,2,4,5-Tetrachloroben...	12.751	216	266681	41.666	ng	99
41) Hexachlorocyclopentadiene	12.692	237	141188	40.089	ng	98
43) 2,4,6-Trichlorophenol	13.010	196	175617	42.839	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.080	196	209271	42.898	ng	98
46) 1,1'-Biphenyl	13.410	154	682456	41.671	ng	99
47) 2-Chloronaphthalene	13.457	162	496015	41.285	ng	99
48) 2-Nitroaniline	13.704	65	187647	39.564	ng	93
49) Acenaphthylene	14.304	152	841176	42.275	ng	100
50) Dimethylphthalate	14.045	163	670193	41.854	ng	99
51) 2,6-Dinitrotoluene	14.192	165	142731	43.250	ng	97
52) Acenaphthene	14.639	154	501919	41.563	ng	99
53) 3-Nitroaniline	14.533	138	141855	39.207	ng	99
54) 2,4-Dinitrophenol	14.733	184	84709	40.417	ng	96
55) Dibenzofuran	14.974	168	831464	42.348	ng	99
56) 4-Nitrophenol	14.827	139	112011	41.058	ng	96
57) 2,4-Dinitrotoluene	14.974	165	195474	39.824	ng	95
58) Fluorene	15.621	166	665719	41.906	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.198	232	175335	42.672	ng	100
60) Diethylphthalate	15.392	149	683422	42.128	ng	100
61) 4-Chlorophenyl-phenyle...	15.615	204	335719	41.831	ng	100
62) 4-Nitroaniline	15.698	138	128844	40.057	ng	95
63) Azobenzene	15.910	77	770734	43.114	ng	99
65) 4,6-Dinitro-2-methylph...	15.721	198	120476	41.381	ng	96
66) n-Nitrosodiphenylamine	15.839	169	566405	43.374	ng	99
67) 4-Bromophenyl-phenylether	16.510	248	204463	44.151	ng	96
68) Hexachlorobenzene	16.592	284	219406	42.826	ng	99
69) Atrazine	16.792	200	158630	42.040	ng	99
70) Pentachlorophenol	16.957	266	163028	43.284	ng	98
71) Phenanthrene	17.368	178	1041156	43.018	ng	100
72) Anthracene	17.462	178	1052390	43.900	ng	100
73) Carbazole	17.751	167	905322	46.422	ng	100
74) Di-n-butylphthalate	18.274	149	1207732	44.100	ng	99
75) Fluoranthene	19.386	202	1240903	43.647	ng	99
77) Benzidine	19.603	184	228582	53.683	ng	99
78) Pyrene	19.750	202	1322386	43.384	ng	100
80) Butylbenzylphthalate	20.633	149	560163	43.028	ng	97
81) Benzo(a)anthracene	21.492	228	1188870	42.094	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	386424	43.050	ng	99
83) Chrysene	21.550	228	1167194	40.684	ng	100
84) Bis(2-ethylhexyl)phtha...	21.380	149	817164	41.532	ng	99
85) Di-n-octyl phthalate	22.309	149	1392712	41.124	ng	100
87) Indeno(1,2,3-cd)pyrene	26.468	276	1167984	42.780	ng	98
88) Benzo(b)fluoranthene	23.186	252	1038783	40.646	ng	99
89) Benzo(k)fluoranthene	23.238	252	1159324	40.710	ng	99
90) Benzo(a)pyrene	23.827	252	1003614	39.888	ng	99
91) Dibenzo(a,h)anthracene	26.485	278	932211	37.935	ng	98
92) Benzo(g,h,i)perylene	27.262	276	1005420	41.783	ng	99

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

ICAL Form

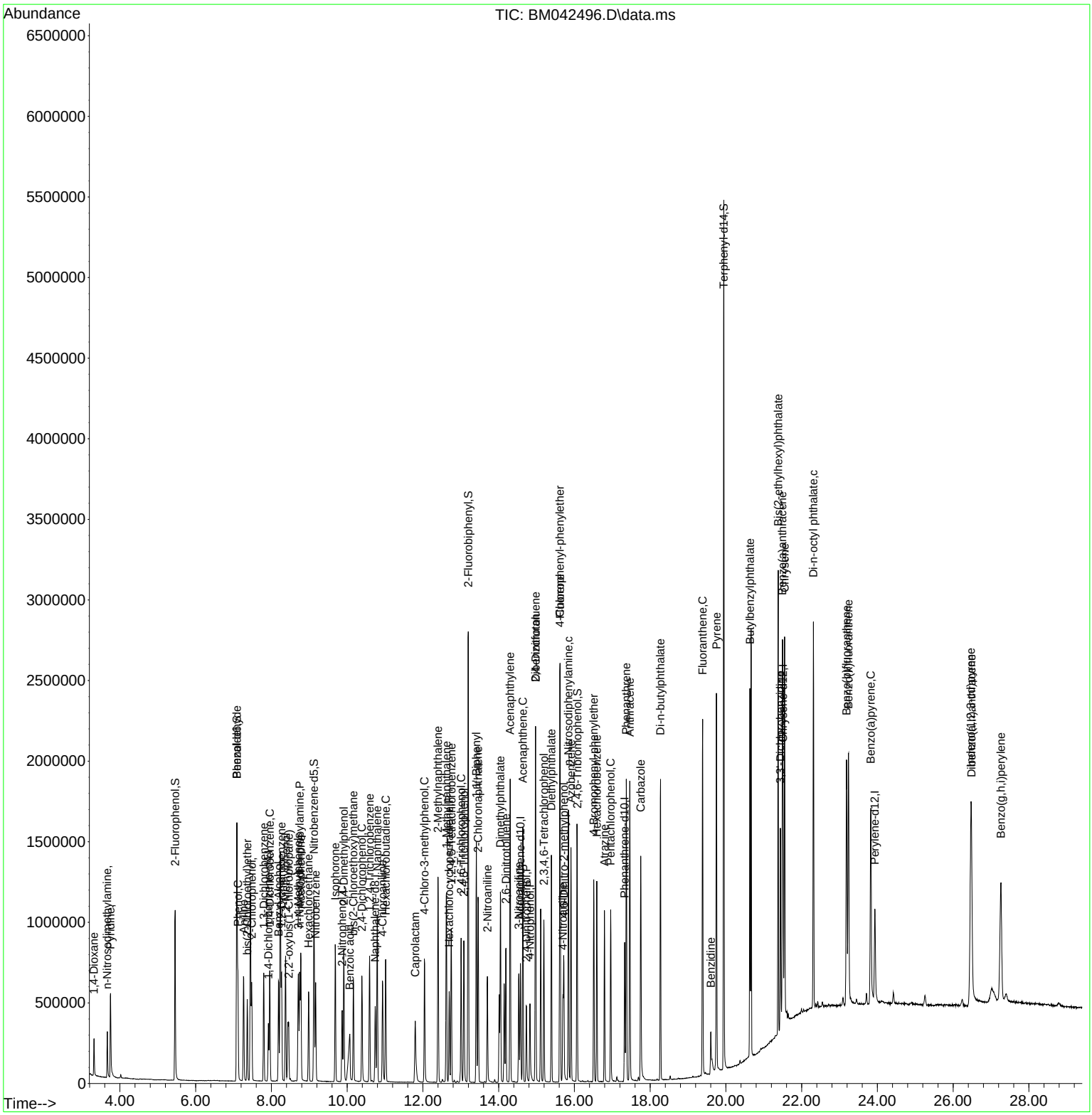
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/31/2023
Supervised By :mohammad ahmed 10/31/2023



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.591	0.590	0.2	102	0.00
3		Pyridine	1.694	1.687	0.4	101	0.00
4		n-Nitrosodimethylamine	0.815	0.830	-1.8	103	-0.01
5	S	2-Fluorophenol	1.239	1.252	-1.0	102	0.00
6		Aniline	2.160	2.187	-1.2	101	0.00
7	S	Phenol-d6	1.700	1.751	-3.0	103	-0.01
8		2-Chlorophenol	1.336	1.359	-1.7	103	0.00
9		Benzaldehyde	0.980	0.991	-1.1	105	0.00
10	C	Phenol	1.726	1.765	-2.3	103	-0.01
11		bis(2-Chloroethyl)ether	1.460	1.463	-0.2	103	0.00
12		1,3-Dichlorobenzene	1.444	1.446	-0.1	103	0.00
13	C	1,4-Dichlorobenzene	1.462	1.445	1.2	102	0.00
14		1,2-Dichlorobenzene	1.411	1.408	0.2	103	0.00
15		Benzyl Alcohol	1.203	1.264	-5.1	102	-0.01
16		2,2'-oxybis(1-Chloropropane	2.324	2.301	1.0	102	0.01
17		2-Methylphenol	1.222	1.257	-2.9	103	0.00
18		Hexachloroethane	0.572	0.581	-1.6	104	-0.01
19	P	n-Nitroso-di-n-propylamine	1.202	1.279	-6.4	104	-0.01
20		3+4-Methylphenols	1.634	1.700	-4.0	102	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	-0.01
22		Acetophenone	0.504	0.525	-4.2	103	-0.01
23	S	Nitrobenzene-d5	0.429	0.452	-5.4	103	-0.01
24		Nitrobenzene	0.423	0.439	-3.8	102	0.00
25		Isophorone	0.759	0.800	-5.4	103	-0.01
26	C	2-Nitrophenol	0.161	0.176	-9.3	104	0.00
27		2,4-Dimethylphenol	0.291	0.308	-5.8	104	-0.01
28		bis(2-Chloroethoxy)methane	0.457	0.480	-5.0	103	-0.01
29	C	2,4-Dichlorophenol	0.287	0.307	-7.0	103	-0.01
30		1,2,4-Trichlorobenzene	0.315	0.324	-2.9	102	0.00
31		Naphthalene	1.033	1.062	-2.8	102	0.00
32		Benzoic acid	0.215	0.234	-8.8	105	0.00
33		4-Chloroaniline	0.403	0.436	-8.2	101	-0.01
34	C	Hexachlorobutadiene	0.191	0.199	-4.2	105	0.00
35		Caprolactam	0.101	0.107	-5.9	103	0.00
36	C	4-Chloro-3-methylphenol	0.327	0.355	-8.6	104	0.00
37		2-Methylnaphthalene	0.728	0.766	-5.2	103	0.00
38		1-Methylnaphthalene	0.685	0.720	-5.1	104	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.597	0.622	-4.2	105	0.00
41	P	Hexachlorocyclopentadiene	0.309	0.330	-6.8	109	0.00
42	S	2,4,6-Tribromophenol	0.261	0.273	-4.6	105	0.00
43	C	2,4,6-Trichlorophenol	0.383	0.410	-7.0	105	0.00
44		2,4,5-Trichlorophenol	0.455	0.488	-7.3	105	0.00
45	S	2-Fluorobiphenyl	1.486	1.542	-3.8	105	0.00
46		1,1'-Biphenyl	1.529	1.593	-4.2	104	0.00
47		2-Chloronaphthalene	1.122	1.158	-3.2	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
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	0.390	0.438	-12.3	103	0.00
49		Acenaphthylene	1.857	1.963	-5.7	103	0.00
50		Dimethylphthalate	1.495	1.564	-4.6	103	0.00
51		2,6-Dinitrotoluene	0.308	0.333	-8.1	104	0.00
52	C	Acenaphthene	1.127	1.171	-3.9	103	0.00
53		3-Nitroaniline	0.296	0.331	-11.8	103	0.00
54	P	2,4-Dinitrophenol	0.177	0.198	-11.9	106	0.00
55		Dibenzofuran	1.833	1.940	-5.8	105	0.00
56	P	4-Nitrophenol	0.233	0.261	-12.0	109	0.00
57		2,4-Dinitrotoluene	0.408	0.456	-11.8	104	0.00
58		Fluorene	1.483	1.554	-4.8	102	0.00
59		2,3,4,6-Tetrachlorophenol	0.384	0.409	-6.5	104	0.00
60		Diethylphthalate	1.514	1.595	-5.4	102	0.00
61		4-Chlorophenyl-phenylether	0.749	0.783	-4.5	103	0.00
62		4-Nitroaniline	0.247	0.301	-21.9	106	0.00
63		Azobenzene	1.669	1.799	-7.8	102	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.130	-11.1	105	0.00
66	c	n-Nitrosodiphenylamine	0.564	0.612	-8.5	103	0.00
67		4-Bromophenyl-phenylether	0.200	0.221	-10.5	105	0.00
68		Hexachlorobenzene	0.221	0.237	-7.2	103	0.00
69		Atrazine	0.163	0.171	-4.9	101	0.00
70	C	Pentachlorophenol	0.163	0.176	-8.0	106	0.00
71		Phenanthrene	1.045	1.124	-7.6	103	0.00
72		Anthracene	1.035	1.136	-9.8	103	0.00
73		Carbazole	0.842	0.977	-16.0	103	0.00
74		Di-n-butylphthalate	1.183	1.304	-10.2	103	0.00
75	C	Fluoranthene	1.228	1.340	-9.1	103	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	101	0.00
77		Benzidine	0.192	0.257	-33.9#	132	0.00
78		Pyrene	1.373	1.490	-8.5	104	0.00
79	S	Terphenyl-d14	1.180	1.304	-10.5	104	0.00
80		Butylbenzylphthalate	0.587	0.631	-7.5	100	0.00
81		Benzo(a)anthracene	1.273	1.339	-5.2	102	0.00
82		3,3'-Dichlorobenzidine	0.404	0.435	-7.7	100	0.00
83		Chrysene	1.293	1.315	-1.7	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.886	0.920	-3.8	99	0.00
85	c	Di-n-octyl phthalate	1.526	1.569	-2.8	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.190	1.273	-7.0	106	0.00
88		Benzo(b)fluoranthene	1.114	1.132	-1.6	101	0.00
89		Benzo(k)fluoranthene	1.242	1.264	-1.8	105	0.00
90	C	Benzo(a)pyrene	1.097	1.094	0.3	99	0.00
91		Dibenzo(a,h)anthracene	0.967	1.016	-5.1	101	0.00
92		Benzo(g,h,i)perylene	1.049	1.096	-4.5	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	39.938	0.2	102	0.00
3		Pyridine	40.000	39.827	0.4	101	0.00
4		n-Nitrosodimethylamine	40.000	40.705	-1.8	103	-0.01
5	S	2-Fluorophenol	80.000	80.829	-1.0	102	0.00
6		Aniline	40.000	40.490	-1.2	101	0.00
7	S	Phenol-d6	80.000	82.414	-3.0	103	-0.01
8		2-Chlorophenol	40.000	40.687	-1.7	103	0.00
9		Benzaldehyde	40.000	40.449	-1.1	105	0.00
10	C	Phenol	40.000	40.897	-2.2	103	-0.01
11		bis(2-Chloroethyl)ether	40.000	40.063	-0.2	103	0.00
12		1,3-Dichlorobenzene	40.000	40.059	-0.1	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.543	1.1	102	0.00
14		1,2-Dichlorobenzene	40.000	39.908	0.2	103	0.00
15		Benzyl Alcohol	40.000	42.010	-5.0	102	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	39.599	1.0	102	0.01
17		2-Methylphenol	40.000	41.140	-2.9	103	0.00
18		Hexachloroethane	40.000	40.668	-1.7	104	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	42.541	-6.4	104	-0.01
20		3+4-Methylphenols	40.000	41.608	-4.0	102	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	-0.01
22		Acetophenone	40.000	41.641	-4.1	103	-0.01
23	S	Nitrobenzene-d5	80.000	84.290	-5.4	103	-0.01
24		Nitrobenzene	40.000	41.581	-4.0	102	0.00
25		Isophorone	40.000	42.137	-5.3	103	-0.01
26	C	2-Nitrophenol	40.000	39.818	0.5	104	0.00
27		2,4-Dimethylphenol	40.000	42.447	-6.1	104	-0.01
28		bis(2-Chloroethoxy)methane	40.000	41.934	-4.8	103	-0.01
29	C	2,4-Dichlorophenol	40.000	42.786	-7.0	103	-0.01
30		1,2,4-Trichlorobenzene	40.000	41.085	-2.7	102	0.00
31		Naphthalene	40.000	41.103	-2.8	102	0.00
32		Benzoic acid	40.000	40.286	-0.7	105	0.00
33		4-Chloroaniline	40.000	43.335	-8.3	101	-0.01
34	C	Hexachlorobutadiene	40.000	41.711	-4.3	105	0.00
35		Caprolactam	40.000	42.286	-5.7	103	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.428	-8.6	104	0.00
37		2-Methylnaphthalene	40.000	42.115	-5.3	103	0.00
38		1-Methylnaphthalene	40.000	42.046	-5.1	104	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.666	-4.2	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.089	-0.2	109	0.00
42	S	2,4,6-Tribromophenol	80.000	83.666	-4.6	105	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.839	-7.1	105	0.00
44		2,4,5-Trichlorophenol	40.000	42.898	-7.2	105	0.00
45	S	2-Fluorobiphenyl	80.000	83.005	-3.8	105	0.00
46		1,1'-Biphenyl	40.000	41.671	-4.2	104	0.00
47		2-Chloronaphthalene	40.000	41.285	-3.2	103	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
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	39.564	1.1	103	0.00
49		Acenaphthylene	40.000	42.275	-5.7	103	0.00
50		Dimethylphthalate	40.000	41.854	-4.6	103	0.00
51		2,6-Dinitrotoluene	40.000	43.250	-8.1	104	0.00
52	C	Acenaphthene	40.000	41.563	-3.9	103	0.00
53		3-Nitroaniline	40.000	39.207	2.0	103	0.00
54	P	2,4-Dinitrophenol	40.000	40.417	-1.0	106	0.00
55		Dibenzofuran	40.000	42.348	-5.9	105	0.00
56	P	4-Nitrophenol	40.000	41.058	-2.6	109	0.00
57		2,4-Dinitrotoluene	40.000	39.824	0.4	104	0.00
58		Fluorene	40.000	41.906	-4.8	102	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.672	-6.7	104	0.00
60		Diethylphthalate	40.000	42.128	-5.3	102	0.00
61		4-Chlorophenyl-phenylether	40.000	41.831	-4.6	103	0.00
62		4-Nitroaniline	40.000	40.057	-0.1	106	0.00
63		Azobenzene	40.000	43.114	-7.8	102	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.381	-3.5	105	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.374	-8.4	103	0.00
67		4-Bromophenyl-phenylether	40.000	44.151	-10.4	105	0.00
68		Hexachlorobenzene	40.000	42.826	-7.1	103	0.00
69		Atrazine	40.000	42.040	-5.1	101	0.00
70	C	Pentachlorophenol	40.000	43.284	-8.2	106	0.00
71		Phenanthrene	40.000	43.018	-7.5	103	0.00
72		Anthracene	40.000	43.900	-9.7	103	0.00
73		Carbazole	40.000	46.422	-16.1	103	0.00
74		Di-n-butylphthalate	40.000	44.100	-10.3	103	0.00
75	C	Fluoranthene	40.000	43.647	-9.1	103	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	101	0.00
77		Benzidine	40.000	53.683	-34.2#	132	0.00
78		Pyrene	40.000	43.384	-8.5	104	0.00
79	S	Terphenyl-d14	80.000	88.435	-10.5	104	0.00
80		Butylbenzylphthalate	40.000	43.028	-7.6	100	0.00
81		Benzo(a)anthracene	40.000	42.094	-5.2	102	0.00
82		3,3'-Dichlorobenzidine	40.000	43.050	-7.6	100	0.00
83		Chrysene	40.000	40.684	-1.7	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.532	-3.8	99	0.00
85	c	Di-n-octyl phthalate	40.000	41.124	-2.8	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.780	-7.0	106	0.00
88		Benzo(b)fluoranthene	40.000	40.646	-1.6	101	0.00
89		Benzo(k)fluoranthene	40.000	40.710	-1.8	105	0.00
90	C	Benzo(a)pyrene	40.000	39.888	0.3	99	0.00
91		Dibenzo(a,h)anthracene	40.000	37.935	5.2	101	0.00
92		Benzo(g,h,i)perylene	40.000	41.783	-4.5	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042496.D
Acq On : 30 Oct 2023 16:23
Operator : MA/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM103023

Quant Time: Oct 31 03:02:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 02:55:18 2023
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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.273	1.234		-3.1	
Benzaldehyde	0.884	0.876		-0.9	
Phenol-d6	1.586	1.540		-2.9	
Phenol	1.640	1.577		-3.8	20.0
bis(2-Chloroethyl)ether	1.284	1.216		-5.3	
2-Chlorophenol	1.361	1.326		-2.6	
2-Methylphenol	1.154	1.114		-3.5	
2,2-oxybis(1-Chloropropane)	1.767	1.622		-8.2	
Acetophenone	0.443	0.452		2.0	
3+4-Methylphenols	1.408	1.371		-2.6	
n-Nitroso-di-n-propylamine	0.906	0.869	0.050	-4.1	
Nitrobenzene-d5	0.332	0.361		8.7	
Hexachloroethane	0.499	0.510		2.2	
Nitrobenzene	0.336	0.355		5.7	
Isophorone	0.626	0.631		0.8	
2-Nitrophenol	0.153	0.177		15.7	20.0
2,4-Dimethylphenol	0.289	0.293		1.4	
bis(2-Chloroethoxy)methane	0.384	0.378		-1.6	
2,4-Dichlorophenol	0.273	0.286		4.8	20.0
Naphthalene	0.964	0.994		3.1	
4-Chloroaniline	0.422	0.427		1.2	
Hexachlorobutadiene	0.171	0.186		8.8	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.286	0.304		6.3	20.0
2-Methylnaphthalene	0.647	0.672		3.9	
Hexachlorocyclopentadiene	0.305	0.322	0.050	5.6	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.255	1.326		5.7	
2,4,5-Trichlorophenol	0.431	0.457		6.0	
1,1-Biphenyl	1.525	1.587		4.1	
2-Chloronaphthalene	1.124	1.175		4.5	
2-Nitroaniline	0.333	0.383		15.0	
Dimethylphthalate	1.319	1.394		5.7	
Acenaphthylene	1.753	1.834		4.6	
2,6-Dinitrotoluene	0.282	0.317		12.4	
3-Nitroaniline	0.329	0.351		6.7	
Acenaphthene	1.115	1.149		3.0	20.0
2,4-Dinitrophenol	0.123	0.138	0.050	12.2	
4-Nitrophenol	0.246	0.255	0.050	3.7	
Dibenzofuran	1.625	1.706		5.0	
2,4-Dinitrotoluene	0.357	0.417		16.8	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.260	1.418		12.5	
4-Chlorophenyl-phenylether	0.607	0.642		5.8	
Fluorene	1.217	1.294		6.3	
4-Nitroaniline	0.317	0.331		4.4	
4,6-Dinitro-2-methylphenol	0.099	0.115		16.2	
n-Nitrosodiphenylamine	0.603	0.624		3.5	20.0
2,4,6-Tribromophenol	0.213	0.230		8.0	
4-Bromophenyl-phenylether	0.210	0.227		8.1	
Hexachlorobenzene	0.224	0.238		6.3	
Atrazine	0.164	0.161		-1.8	
Pentachlorophenol	0.144	0.150		4.2	20.0
Phenanthrene	1.007	1.046		3.9	
Anthracene	1.032	1.095		6.1	
Carbazole	0.897	0.920		2.6	
Di-n-butylphthalate	1.025	1.097		7.0	
Fluoranthene	1.035	1.057		2.1	20.0
Pyrene	1.763	2.060		16.8	
Terphenyl-d14	1.287	1.521		18.2	
Butylbenzylphthalate	0.631	0.713		13.0	
3,3-Dichlorobenzidine	0.423	0.447		5.7	
Benzo(a)anthracene	1.324	1.394		5.3	
Chrysene	1.304	1.333		2.2	
Bis(2-ethylhexyl)phthalate	0.735	0.779		6.0	
Di-n-octyl phthalate	1.102	1.114		1.1	20.0
Benzo(b)fluoranthene	1.183	1.176		-0.6	
Benzo(k)fluoranthene	1.171	1.072		-8.5	
Benzo(a)pyrene	1.100	1.110		0.9	20.0
Indeno(1,2,3-cd)pyrene	1.307	1.535		17.4	
Dibenzo(a,h)anthracene	1.071	1.263		17.9	
Benzo(g,h,i)perylene	1.105	1.276		15.5	
1,2,4,5-Tetrachlorobenzene	0.570	0.601		5.4	
1,4-Dioxane	0.554	0.512		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.342	0.362		5.8	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	106195	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	409921	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	211105	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	390010	20.000	ng		0.00
76) Chrysene-d12	14.010	240	198566	20.000	ng		0.00
86) Perylene-d12	15.492	264	195040	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.445	112	524312	77.584	ng		0.00
7) Phenol-d6	6.457	99	654074	77.681	ng		0.00
23) Nitrobenzene-d5	7.386	82	591995	87.058	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	194187	86.179	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	1119944	84.569	ng		0.00
79) Terphenyl-d14	12.951	244	1207980	94.540	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.569	88	108702	36.939	ng		98
3) Pyridine	3.328	79	293523	36.543	ng		98
4) n-Nitrosodimethylamine	3.299	42	134503	40.051	ng	#	86
6) Aniline	6.487	93	419724	38.502	ng		100
8) 2-Chlorophenol	6.604	128	281535	38.966	ng		98
9) Benzaldehyde	6.375	77	186039	39.624	ng		98
10) Phenol	6.469	94	334935m	38.459	ng		
11) bis(2-Chloroethyl)ether	6.563	93	258223	37.874	ng		99
12) 1,3-Dichlorobenzene	6.763	146	294208	39.125	ng		98
13) 1,4-Dichlorobenzene	6.839	146	296432	39.335	ng		99
14) 1,2-Dichlorobenzene	6.992	146	278143	39.472	ng		99
15) Benzyl Alcohol	6.963	79	246829	41.343	ng		95
16) 2,2'-oxybis(1-Chloropr...	7.098	45	344436	36.703	ng		98
17) 2-Methylphenol	7.075	107	236679	38.615	ng		96
18) Hexachloroethane	7.334	117	108419	40.932	ng		91
19) n-Nitroso-di-n-propyla...	7.239	70	184522	38.354	ng		97
20) 3+4-Methylphenols	7.228	107	291175	38.958	ng		96
22) Acetophenone	7.234	105	370886	40.803	ng	#	94
24) Nitrobenzene	7.404	77	291195	42.335	ng		93
25) Isophorone	7.639	82	517665	40.324	ng		98
26) 2-Nitrophenol	7.716	139	144805	46.142	ng		90
27) 2,4-Dimethylphenol	7.757	122	240398	40.538	ng		97
28) bis(2-Chloroethoxy)met...	7.857	93	309645	39.366	ng		98
29) 2,4-Dichlorophenol	7.957	162	234563	41.957	ng		97
30) 1,2,4-Trichlorobenzene	8.045	180	253433	41.555	ng		98
31) Naphthalene	8.122	128	814849	41.222	ng		100
32) Benzoic acid	7.875	122	170151m	37.115	ng		
33) 4-Chloroaniline	8.175	127	349746	40.402	ng		98
34) Hexachlorobutadiene	8.239	225	152376	43.567	ng		98
35) Caprolactam	8.551	113	73929	40.669	ng		94
36) 4-Chloro-3-methylphenol	8.651	107	249498	42.509	ng		94
37) 2-Methylnaphthalene	8.816	142	551042	41.575	ng		100
38) 1-Methylnaphthalene	8.916	142	510359	41.376	ng		99
40) 1,2,4,5-Tetrachloroben...	8.980	216	253664	42.133	ng		99
41) Hexachlorocyclopentadiene	8.969	237	135960	42.270	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	162617	41.426	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	192901	42.422	ng		94
46) 1,1'-Biphenyl	9.280	154	670248	41.649	ng		99
47) 2-Chloronaphthalene	9.304	162	496230	41.828	ng		98
48) 2-Nitroaniline	9.404	65	161572	46.019	ng		96
49) Acenaphthylene	9.722	152	774218	41.832	ng		99
50) Dimethylphthalate	9.586	163	588651	42.274	ng		99
51) 2,6-Dinitrotoluene	9.645	165	133821	44.933	ng	#	87
52) Acenaphthene	9.898	154	485219m	41.241	ng		
53) 3-Nitroaniline	9.816	138	148138	42.629	ng		92
54) 2,4-Dinitrophenol	9.916	184	58387	40.543	ng	#	83
55) Dibenzofuran	10.069	168	720281	41.985	ng		97
56) 4-Nitrophenol	9.969	139	107453	41.338	ng	#	79
57) 2,4-Dinitrotoluene	10.051	165	175900	46.681	ng		97
58) Fluorene	10.410	166	546387	42.537	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	152953	42.309	ng	#	99
60) Diethylphthalate	10.292	149	598887	45.013	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	270989	42.264	ng		93
62) 4-Nitroaniline	10.433	138	139654	41.735	ng		92
63) Azobenzene	10.569	77	537832	41.975	ng		98
65) 4,6-Dinitro-2-methylph...	10.457	198	89386	42.470	ng		81
66) n-Nitrosodiphenylamine	10.527	169	486754	41.373	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	176883	43.259	ng		93
68) Hexachlorobenzene	10.957	284	185619	42.504	ng	#	91
69) Atrazine	11.057	200	125652	39.253	ng		97
70) Pentachlorophenol	11.151	266	117178	41.780	ng		97
71) Phenanthrene	11.380	178	816263	41.567	ng		98
72) Anthracene	11.427	178	854462	42.464	ng		99
73) Carbazole	11.586	167	717907	41.056	ng		99
74) Di-n-butylphthalate	11.927	149	855335	42.809	ng		100
75) Fluoranthene	12.574	202	824089	40.850	ng		96
77) Benzidine	12.698	184	186338	48.147	ng		99
78) Pyrene	12.804	202	818091	46.731	ng		99
80) Butylbenzylphthalate	13.433	149	283135	45.182	ng		99
81) Benzo(a)anthracene	13.998	228	553743	42.124	ng		99
82) 3,3'-Dichlorobenzidine	13.963	252	177330	42.265	ng		100
83) Chrysene	14.033	228	529222	40.879	ng		100
84) Bis(2-ethylhexyl)phtha...	13.998	149	309355	42.373	ng	#	97
85) Di-n-octyl phthalate	14.621	149	442533	40.462	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	598585	46.959	ng		97
88) Benzo(b)fluoranthene	15.057	252	458674	39.743	ng		100
89) Benzo(k)fluoranthene	15.086	252	418081	36.613	ng		99
90) Benzo(a)pyrene	15.433	252	432865	40.367	ng		98
91) Dibenzo(a,h)anthracene	17.039	278	492727	47.189	ng		96
92) Benzo(g,h,i)perylene	17.468	276	497905	42.253	ng		98

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

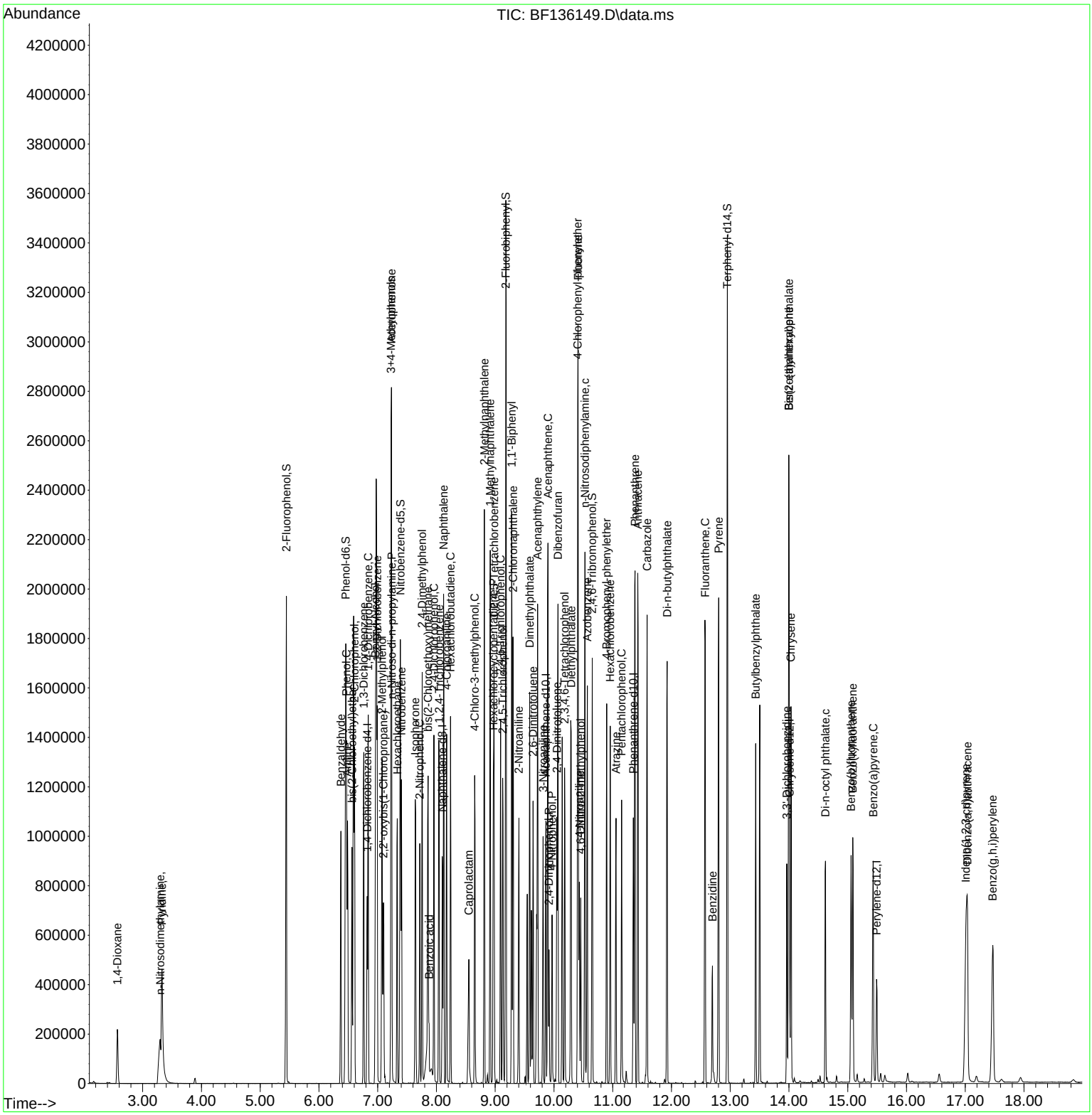
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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	63	0.00
2		1,4-Dioxane	0.554	0.512	7.6	59	0.00
3		Pyridine	1.513	1.382	8.7	58	0.00
4		n-Nitrosodimethylamine	0.632	0.633	-0.2	64	0.00
5	S	2-Fluorophenol	1.273	1.234	3.1	63	0.00
6		Aniline	2.053	1.976	3.8	62	0.00
7	S	Phenol-d6	1.586	1.540	2.9	62	0.00
8		2-Chlorophenol	1.361	1.326	2.6	62	0.00
9		Benzaldehyde	0.884	0.876	0.9	64	0.00
10	C	Phenol	1.640	1.577	3.8	61	0.00
11		bis(2-Chloroethyl)ether	1.284	1.216	5.3	61	0.00
12		1,3-Dichlorobenzene	1.416	1.385	2.2	64	0.00
13	C	1,4-Dichlorobenzene	1.419	1.396	1.6	63	0.00
14		1,2-Dichlorobenzene	1.327	1.310	1.3	63	0.00
15		Benzyl Alcohol	1.124	1.162	-3.4	66	0.00
16		2,2'-oxybis(1-Chloropropane	1.767	1.622	8.2	59	0.00
17		2-Methylphenol	1.154	1.114	3.5	62	0.00
18		Hexachloroethane	0.499	0.510	-2.2	65	0.00
19	P	n-Nitroso-di-n-propylamine	0.906	0.869	4.1	63	0.00
20		3+4-Methylphenols	1.408	1.371	2.6	62	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	63	0.00
22		Acetophenone	0.443	0.452	-2.0	65	0.00
23	S	Nitrobenzene-d5	0.332	0.361	-8.7	67	0.00
24		Nitrobenzene	0.336	0.355	-5.7	65	0.00
25		Isophorone	0.626	0.631	-0.8	64	0.00
26	C	2-Nitrophenol	0.153	0.177	-15.7	67	0.00
27		2,4-Dimethylphenol	0.289	0.293	-1.4	63	0.00
28		bis(2-Chloroethoxy)methane	0.384	0.378	1.6	62	0.00
29	C	2,4-Dichlorophenol	0.273	0.286	-4.8	64	0.00
30		1,2,4-Trichlorobenzene	0.298	0.309	-3.7	65	0.00
31		Naphthalene	0.964	0.994	-3.1	65	0.00
32		Benzoic acid	0.213	0.208	2.3	58	0.00
33		4-Chloroaniline	0.422	0.427	-1.2	63	0.00
34	C	Hexachlorobutadiene	0.171	0.186	-8.8	68	0.00
35		Caprolactam	0.089	0.090	-1.1	62	0.00
36	C	4-Chloro-3-methylphenol	0.286	0.304	-6.3	66	0.00
37		2-Methylnaphthalene	0.647	0.672	-3.9	65	0.00
38		1-Methylnaphthalene	0.602	0.623	-3.5	64	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	0.570	0.601	-5.4	66	0.00
41	P	Hexachlorocyclopentadiene	0.305	0.322	-5.6	64	0.00
42	S	2,4,6-Tribromophenol	0.213	0.230	-8.0	66	0.00
43	C	2,4,6-Trichlorophenol	0.372	0.385	-3.5	64	0.00
44		2,4,5-Trichlorophenol	0.431	0.457	-6.0	66	0.00
45	S	2-Fluorobiphenyl	1.255	1.326	-5.7	69	0.00
46		1,1'-Biphenyl	1.525	1.587	-4.1	66	0.00
47		2-Chloronaphthalene	1.124	1.175	-4.5	66	0.00

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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	0.333	0.383	-15.0	68	0.00
49		Acenaphthylene	1.753	1.834	-4.6	66	0.00
50		Dimethylphthalate	1.319	1.394	-5.7	67	0.00
51		2,6-Dinitrotoluene	0.282	0.317	-12.4	67	0.00
52	C	Acenaphthene	1.115	1.149	-3.0	65	0.00
53		3-Nitroaniline	0.329	0.351	-6.7	65	0.00
54	P	2,4-Dinitrophenol	0.123	0.138	-12.2	68	0.00
55		Dibenzofuran	1.625	1.706	-5.0	66	0.00
56	P	4-Nitrophenol	0.246	0.255	-3.7	61	0.00
57		2,4-Dinitrotoluene	0.357	0.417	-16.8	69	0.00
58		Fluorene	1.217	1.294	-6.3	68	0.00
59		2,3,4,6-Tetrachlorophenol	0.342	0.362	-5.8	66	0.00
60		Diethylphthalate	1.260	1.418	-12.5	70	0.00
61		4-Chlorophenyl-phenylether	0.607	0.642	-5.8	68	0.00
62		4-Nitroaniline	0.317	0.331	-4.4	62	0.00
63		Azobenzene	1.214	1.274	-4.9	66	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	65	0.00
65		4,6-Dinitro-2-methylphenol	0.099	0.115	-16.2	68	0.00
66	c	n-Nitrosodiphenylamine	0.603	0.624	-3.5	65	0.00
67		4-Bromophenyl-phenylether	0.210	0.227	-8.1	67	0.00
68		Hexachlorobenzene	0.224	0.238	-6.2	66	0.00
69		Atrazine	0.164	0.161	1.8	63	0.00
70	C	Pentachlorophenol	0.144	0.150	-4.2	63	0.00
71		Phenanthrene	1.007	1.046	-3.9	65	0.00
72		Anthracene	1.032	1.095	-6.1	67	0.00
73		Carbazole	0.897	0.920	-2.6	64	0.00
74		Di-n-butylphthalate	1.025	1.097	-7.0	67	0.00
75	C	Fluoranthene	1.035	1.056	-2.0	64	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	57	0.00
77		Benzidine	0.390	0.469	-20.3	58	0.00
78		Pyrene	1.763	2.060	-16.8	62	0.00
79	S	Terphenyl-d14	1.287	1.521	-18.2	64	0.00
80		Butylbenzylphthalate	0.631	0.713	-13.0	60	0.00
81		Benzo(a)anthracene	1.324	1.394	-5.3	58	0.00
82		3,3'-Dichlorobenzidine	0.423	0.447	-5.7	57	0.00
83		Chrysene	1.304	1.333	-2.2	56	0.00
84		Bis(2-ethylhexyl)phthalate	0.735	0.779	-6.0	57	0.00
85	c	Di-n-octyl phthalate	1.102	1.114	-1.1	55	0.00
86	I	Perylene-d12	1.000	1.000	0.0	64	0.00
87		Indeno(1,2,3-cd)pyrene	1.307	1.535	-17.4	68	0.00
88		Benzo(b)fluoranthene	1.183	1.176	0.6	64	0.00
89		Benzo(k)fluoranthene	1.171	1.072	8.5	58	0.00
90	C	Benzo(a)pyrene	1.100	1.110	-0.9	64	0.00
91		Dibenzo(a,h)anthracene	1.071	1.263	-17.9	68	0.00
92		Benzo(g,h,i)perylene	1.105	1.276	-15.5	66	0.00

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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	63	0.00
2		1,4-Dioxane	40.000	36.939	7.7	59	0.00
3		Pyridine	40.000	36.543	8.6	58	0.00
4		n-Nitrosodimethylamine	40.000	40.051	-0.1	64	0.00
5	S	2-Fluorophenol	80.000	77.584	3.0	63	0.00
6		Aniline	40.000	38.502	3.7	62	0.00
7	S	Phenol-d6	80.000	77.681	2.9	62	0.00
8		2-Chlorophenol	40.000	38.966	2.6	62	0.00
9		Benzaldehyde	40.000	39.624	0.9	64	0.00
10	C	Phenol	40.000	38.459	3.9	61	0.00
11		bis(2-Chloroethyl)ether	40.000	37.874	5.3	61	0.00
12		1,3-Dichlorobenzene	40.000	39.125	2.2	64	0.00
13	C	1,4-Dichlorobenzene	40.000	39.335	1.7	63	0.00
14		1,2-Dichlorobenzene	40.000	39.472	1.3	63	0.00
15		Benzyl Alcohol	40.000	41.343	-3.4	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.703	8.2	59	0.00
17		2-Methylphenol	40.000	38.615	3.5	62	0.00
18		Hexachloroethane	40.000	40.932	-2.3	65	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.354	4.1	63	0.00
20		3+4-Methylphenols	40.000	38.958	2.6	62	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	63	0.00
22		Acetophenone	40.000	40.803	-2.0	65	0.00
23	S	Nitrobenzene-d5	80.000	87.058	-8.8	67	0.00
24		Nitrobenzene	40.000	42.335	-5.8	65	0.00
25		Isophorone	40.000	40.324	-0.8	64	0.00
26	C	2-Nitrophenol	40.000	46.142	-15.4	67	0.00
27		2,4-Dimethylphenol	40.000	40.538	-1.3	63	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.366	1.6	62	0.00
29	C	2,4-Dichlorophenol	40.000	41.957	-4.9	64	0.00
30		1,2,4-Trichlorobenzene	40.000	41.555	-3.9	65	0.00
31		Naphthalene	40.000	41.222	-3.1	65	0.00
32		Benzoic acid	40.000	37.115	7.2	58	0.00
33		4-Chloroaniline	40.000	40.402	-1.0	63	0.00
34	C	Hexachlorobutadiene	40.000	43.567	-8.9	68	0.00
35		Caprolactam	40.000	40.669	-1.7	62	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.509	-6.3	66	0.00
37		2-Methylnaphthalene	40.000	41.575	-3.9	65	0.00
38		1-Methylnaphthalene	40.000	41.376	-3.4	64	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.133	-5.3	66	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.270	-5.7	64	0.00
42	S	2,4,6-Tribromophenol	80.000	86.179	-7.7	66	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.426	-3.6	64	0.00
44		2,4,5-Trichlorophenol	40.000	42.422	-6.1	66	0.00
45	S	2-Fluorobiphenyl	80.000	84.569	-5.7	69	0.00
46		1,1'-Biphenyl	40.000	41.649	-4.1	66	0.00
47		2-Chloronaphthalene	40.000	41.828	-4.6	66	0.00

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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	46.019	-15.0	68	0.00
49		Acenaphthylene	40.000	41.832	-4.6	66	0.00
50		Dimethylphthalate	40.000	42.274	-5.7	67	0.00
51		2,6-Dinitrotoluene	40.000	44.933	-12.3	67	0.00
52	C	Acenaphthene	40.000	41.241	-3.1	65	0.00
53		3-Nitroaniline	40.000	42.629	-6.6	65	0.00
54	P	2,4-Dinitrophenol	40.000	40.543	-1.4	68	0.00
55		Dibenzofuran	40.000	41.985	-5.0	66	0.00
56	P	4-Nitrophenol	40.000	41.338	-3.3	61	0.00
57		2,4-Dinitrotoluene	40.000	46.681	-16.7	69	0.00
58		Fluorene	40.000	42.537	-6.3	68	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.309	-5.8	66	0.00
60		Diethylphthalate	40.000	45.013	-12.5	70	0.00
61		4-Chlorophenyl-phenylether	40.000	42.264	-5.7	68	0.00
62		4-Nitroaniline	40.000	41.735	-4.3	62	0.00
63		Azobenzene	40.000	41.975	-4.9	66	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	65	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.470	-6.2	68	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.373	-3.4	65	0.00
67		4-Bromophenyl-phenylether	40.000	43.259	-8.1	67	0.00
68		Hexachlorobenzene	40.000	42.504	-6.3	66	0.00
69		Atrazine	40.000	39.253	1.9	63	0.00
70	C	Pentachlorophenol	40.000	41.780	-4.5	63	0.00
71		Phenanthrene	40.000	41.567	-3.9	65	0.00
72		Anthracene	40.000	42.464	-6.2	67	0.00
73		Carbazole	40.000	41.056	-2.6	64	0.00
74		Di-n-butylphthalate	40.000	42.809	-7.0	67	0.00
75	C	Fluoranthene	40.000	40.850	-2.1	64	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	57	0.00
77		Benzidine	40.000	48.147	-20.4	58	0.00
78		Pyrene	40.000	46.731	-16.8	62	0.00
79	S	Terphenyl-d14	80.000	94.540	-18.2	64	0.00
80		Butylbenzylphthalate	40.000	45.182	-13.0	60	0.00
81		Benzo(a)anthracene	40.000	42.124	-5.3	58	0.00
82		3,3'-Dichlorobenzidine	40.000	42.265	-5.7	57	0.00
83		Chrysene	40.000	40.879	-2.2	56	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.373	-5.9	57	0.00
85	c	Di-n-octyl phthalate	40.000	40.462	-1.2	55	0.00
86	I	Perylene-d12	20.000	20.000	0.0	64	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.959	-17.4	68	0.00
88		Benzo(b)fluoranthene	40.000	39.743	0.6	64	0.00
89		Benzo(k)fluoranthene	40.000	36.613	8.5	58	0.00
90	C	Benzo(a)pyrene	40.000	40.367	-0.9	64	0.00
91		Dibenzo(a,h)anthracene	40.000	47.189	-18.0	68	0.00
92		Benzo(g,h,i)perylene	40.000	42.253	-5.6	66	0.00

Sample Results: **BF136149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136149.D
Acq On : 06 Nov 2023 12:01
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 06 12:43:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.239	1.163		-6.1	
Benzaldehyde	0.980	1.175		19.9	
Phenol-d6	1.700	1.798		5.8	
Phenol	1.726	1.724		-0.1	20.0
bis(2-Chloroethyl)ether	1.460	1.455		-0.3	
2-Chlorophenol	1.336	1.337		0.1	
2-Methylphenol	1.222	1.303		6.6	
2,2-oxybis(1-Chloropropane)	2.325	2.460		5.8	
Acetophenone	0.504	0.539		6.9	
3+4-Methylphenols	1.634	1.835		12.3	
n-Nitroso-di-n-propylamine	1.202	1.519	0.050	26.4	
Nitrobenzene-d5	0.429	0.496		15.6	
Hexachloroethane	0.572	0.635		11.0	
Nitrobenzene	0.423	0.469		10.9	
Isophorone	0.759	0.909		19.8	
2-Nitrophenol	0.161	0.187		16.1	20.0
2,4-Dimethylphenol	0.291	0.290		-0.3	
bis(2-Chloroethoxy)methane	0.457	0.475		3.9	
2,4-Dichlorophenol	0.287	0.333		16.0	20.0
Naphthalene	1.033	1.074		4.0	
4-Chloroaniline	0.403	0.441		9.4	
Hexachlorobutadiene	0.191	0.262		37.2	20.0
Caprolactam	0.101	0.100		-1.0	
4-Chloro-3-methylphenol	0.327	0.379		15.9	20.0
2-Methylnaphthalene	0.728	0.818		12.4	
Hexachlorocyclopentadiene	0.309	0.430	0.050	39.2	
2,4,6-Trichlorophenol	0.383	0.433		13.1	20.0
2-Fluorobiphenyl	1.486	1.763		18.6	
2,4,5-Trichlorophenol	0.455	0.519		14.1	
1,1-Biphenyl	1.529	1.587		3.8	
2-Chloronaphthalene	1.122	1.144		2.0	
2-Nitroaniline	0.390	0.443		13.6	
Dimethylphthalate	1.495	1.621		8.4	
Acenaphthylene	1.857	1.949		5.0	
2,6-Dinitrotoluene	0.308	0.330		7.1	
3-Nitroaniline	0.296	0.287		-3.0	
Acenaphthene	1.127	1.154		2.4	20.0
2,4-Dinitrophenol	0.177	0.157	0.050	-11.3	
4-Nitrophenol	0.233	0.208	0.050	-10.7	
Dibenzofuran	1.833	1.994		8.8	
2,4-Dinitrotoluene	0.408	0.479		17.4	

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.657		9.4	
4-Chlorophenyl-phenylether	0.749	0.920		22.8	
Fluorene	1.483	1.643		10.8	
4-Nitroaniline	0.247	0.258		4.5	
4,6-Dinitro-2-methylphenol	0.117	0.125		6.8	
n-Nitrosodiphenylamine	0.564	0.634		12.4	20.0
2,4,6-Tribromophenol	0.261	0.317		21.5	
4-Bromophenyl-phenylether	0.200	0.252		26.0	
Hexachlorobenzene	0.221	0.272		23.1	
Atrazine	0.163	0.169		3.7	
Pentachlorophenol	0.163	0.169		3.7	20.0
Phenanthrene	1.045	1.082		3.5	
Anthracene	1.035	1.118		8.0	
Carbazole	0.842	0.862		2.4	
Di-n-butylphthalate	1.183	1.321		11.7	
Fluoranthene	1.228	1.212		-1.3	20.0
Pyrene	1.373	1.573		14.6	
Terphenyl-d14	1.180	1.570		33.1	
Butylbenzylphthalate	0.587	0.674		14.8	
3,3-Dichlorobenzidine	0.404	0.469		16.1	
Benzo(a)anthracene	1.273	1.359		6.8	
Chrysene	1.293	1.328		2.7	
Bis(2-ethylhexyl)phthalate	0.886	1.014		14.4	
Di-n-octyl phthalate	1.526	1.584		3.8	20.0
Benzo(b)fluoranthene	1.114	1.127		1.2	
Benzo(k)fluoranthene	1.242	1.242		0.0	
Benzo(a)pyrene	1.097	1.133		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.190	1.370		15.1	
Dibenzo(a,h)anthracene	0.967	1.164		20.4	
Benzo(g,h,i)perylene	1.049	1.087		3.6	
1,2,4,5-Tetrachlorobenzene	0.597	0.691		15.7	
1,4-Dioxane	0.591	0.515		-12.9	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.432		12.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	72991	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	331358	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	231375	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	472580	20.000	ng	0.00
76) Chrysene-d12	21.445	240	366899	20.000	ng	# 0.00
86) Perylene-d12	23.821	264	365656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	339603	75.088	ng	0.00
7) Phenol-d6	7.022	99	525069	84.652	ng	0.01
23) Nitrobenzene-d5	9.057	82	657899	92.555	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	293801	97.259	ng	0.00
45) 2-Fluorobiphenyl	13.127	172	1631591	94.888	ng	0.00
79) Terphenyl-d14	19.880	244	2303549	106.457	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	75206	34.892	ng	# 93
3) Pyridine	3.652	79	207352	33.536	ng	# 91
4) n-Nitrosodimethylamine	3.587	42	152223	51.158	ng	# 70
6) Aniline	7.198	93	313293	39.736	ng	95
8) 2-Chlorophenol	7.404	128	195126	40.012	ng	96
9) Benzaldehyde	7.010	77	171571	47.994	ng	95
10) Phenol	7.045	94	251635	39.945	ng	84
11) bis(2-Chloroethyl)ether	7.292	93	212408	39.856	ng	95
12) 1,3-Dichlorobenzene	7.722	146	208834	39.623	ng	95
13) 1,4-Dichlorobenzene	7.881	146	215013	40.309	ng	97
14) 1,2-Dichlorobenzene	8.192	146	214891	41.727	ng	96
15) Benzyl Alcohol	8.116	79	244792	55.745	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.381	45	359153m	42.349	ng	
17) 2-Methylphenol	8.304	107	190243	42.651	ng	# 92
18) Hexachloroethane	8.904	117	92709	44.420	ng	92
19) n-Nitroso-di-n-propyla...	8.675	70	221797	50.548	ng	# 87
20) 3+4-Methylphenols	8.639	107	267891	44.922	ng	96
22) Acetophenone	8.704	105	357514	42.780	ng	# 90
24) Nitrobenzene	9.098	77	311067	44.431	ng	97
25) Isophorone	9.610	82	602249	47.869	ng	98
26) 2-Nitrophenol	9.792	139	124077	42.139	ng	# 87
27) 2,4-Dimethylphenol	9.839	122	191979	39.887	ng	92
28) bis(2-Chloroethoxy)met...	10.092	93	314826	41.535	ng	97
29) 2,4-Dichlorophenol	10.316	162	220442	46.288	ng	99
30) 1,2,4-Trichlorobenzene	10.516	180	244314	46.811	ng	100
31) Naphthalene	10.716	128	711897	41.583	ng	100
32) Benzoic acid	10.039	122	140559	36.942	ng	91
33) 4-Chloroaniline	10.863	127	291996	43.743	ng	94
34) Hexachlorobutadiene	10.939	225	173754	54.833	ng	99
35) Caprolactam	11.722	113	66594	39.799	ng	95
36) 4-Chloro-3-methylphenol	11.975	107	251226	46.353	ng	99
37) 2-Methylnaphthalene	12.327	142	542301	44.979	ng	96
38) 1-Methylnaphthalene	12.545	142	516441	45.507	ng	98
40) 1,2,4,5-Tetrachloroben...	12.680	216	319932	46.285	ng	99
41) Hexachlorocyclopentadiene	12.622	237	198795	50.415	ng	98
43) 2,4,6-Trichlorophenol	12.939	196	200523	45.292	ng	94

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.016	196	240178	45.588	ng		96
46) 1,1'-Biphenyl	13.339	154	734583	41.533	ng		99
47) 2-Chloronaphthalene	13.392	162	529422	40.803	ng		99
48) 2-Nitroaniline	13.639	65	205137	39.996	ng		99
49) Acenaphthylene	14.239	152	902029	41.977	ng		99
50) Dimethylphthalate	13.980	163	749987	43.369	ng		100
51) 2,6-Dinitrotoluene	14.127	165	152937	42.911	ng	#	86
52) Acenaphthene	14.574	154	534038	40.949	ng		99
53) 3-Nitroaniline	14.468	138	132991	34.610	ng		95
54) 2,4-Dinitrophenol	14.674	184	72678	33.702	ng		91
55) Dibenzofuran	14.910	168	922659	43.513	ng		99
56) 4-Nitrophenol	14.768	139	96094	34.046	ng	#	74
57) 2,4-Dinitrotoluene	14.910	165	221478	41.586	ng		93
58) Fluorene	15.557	166	760460	44.326	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.127	232	199970	45.064	ng		96
60) Diethylphthalate	15.327	149	766626	43.758	ng		99
61) 4-Chlorophenyl-phenyle...	15.545	204	425570	49.100	ng		99
62) 4-Nitroaniline	15.639	138	119419	35.192	ng	#	73
63) Azobenzene	15.845	77	851429	44.101	ng		90
65) 4,6-Dinitro-2-methylph...	15.663	198	118139	39.994	ng		91
66) n-Nitrosodiphenylamine	15.780	169	599657	45.002	ng		98
67) 4-Bromophenyl-phenylether	16.445	248	237754	50.313	ng		98
68) Hexachlorobenzene	16.527	284	257082	49.176	ng		97
69) Atrazine	16.727	200	159868	41.521	ng		98
70) Pentachlorophenol	16.892	266	159962	41.620	ng		100
71) Phenanthrene	17.304	178	1022454	41.400	ng		100
72) Anthracene	17.398	178	1057094	43.214	ng		99
73) Carbazole	17.686	167	815030	40.956	ng		99
74) Di-n-butylphthalate	18.204	149	1248170	44.664	ng		99
75) Fluoranthene	19.315	202	1145958	39.502	ng		97
77) Benzidine	19.539	184	176970	50.284	ng		99
78) Pyrene	19.686	202	1154150	45.811	ng		100
80) Butylbenzylphthalate	20.562	149	494239	45.932	ng		95
81) Benzo(a)anthracene	21.427	228	997065	42.712	ng		99
82) 3,3'-Dichlorobenzidine	21.374	252	344241	46.399	ng	#	97
83) Chrysene	21.480	228	974515	41.097	ng		100
84) Bis(2-ethylhexyl)phtha...	21.309	149	744319	45.770	ng		99
85) Di-n-octyl phthalate	22.221	149	1162560	41.533	ng		97
87) Indeno(1,2,3-cd)pyrene	26.303	276	1002097	46.046	ng	#	92
88) Benzo(b)fluoranthene	23.086	252	824163	40.457	ng	#	98
89) Benzo(k)fluoranthene	23.139	252	908164	40.007	ng	#	96
90) Benzo(a)pyrene	23.715	252	828878	41.328	ng	#	96
91) Dibenzo(a,h)anthracene	26.321	278	851503	42.866	ng	#	94
92) Benzo(g,h,i)perylene	27.079	276	795127	41.454	ng	#	94

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

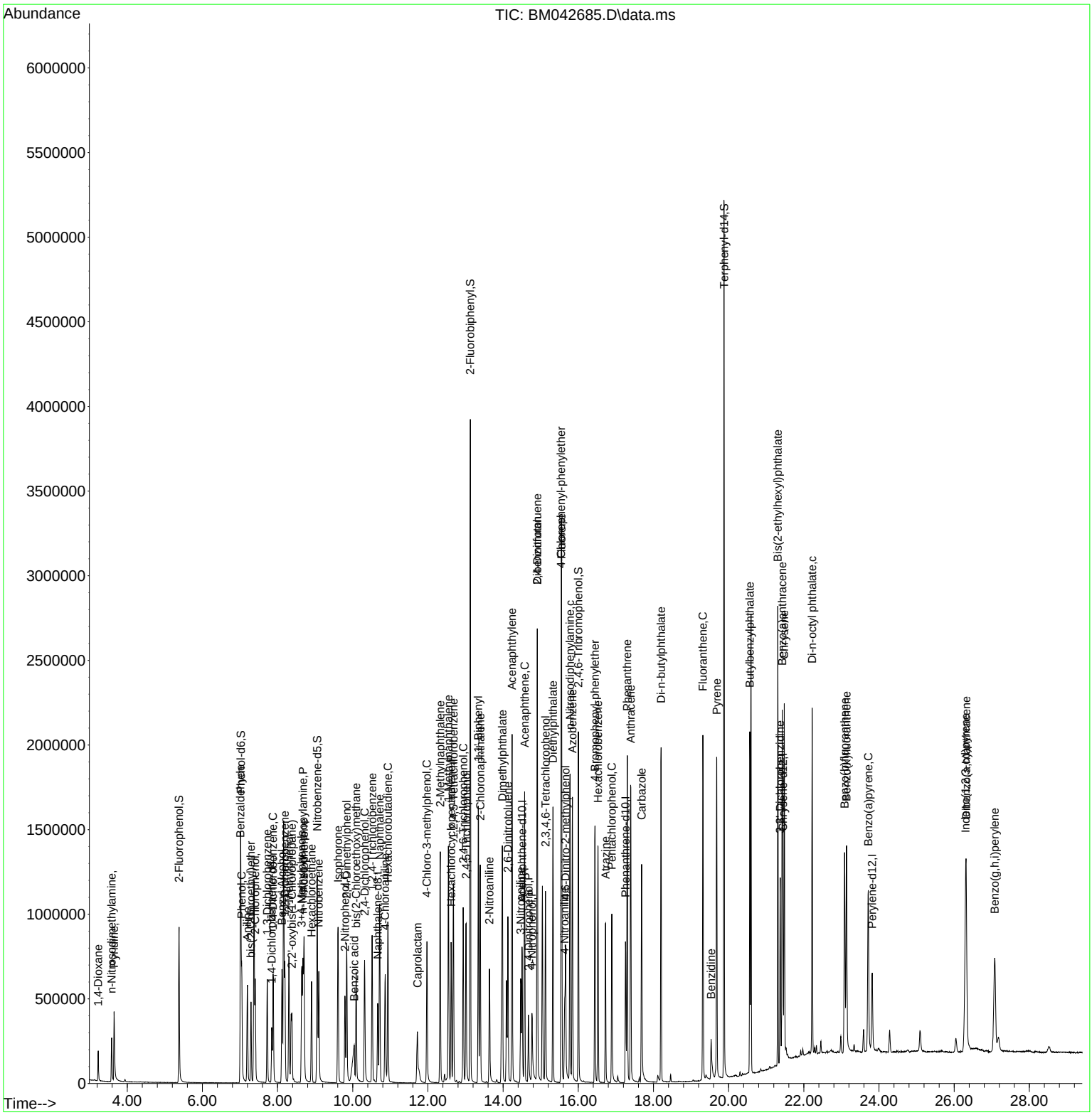
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/14/2023
Supervised By :mohammad ahmed 11/16/2023



Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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	88	0.00
2		1,4-Dioxane	0.591	0.515	12.9	77	0.00
3		Pyridine	1.694	1.420	16.2	74	0.00
4		n-Nitrosodimethylamine	0.815	1.043	-28.0#	113	0.00
5	S	2-Fluorophenol	1.239	1.163	6.1	83	0.00
6		Aniline	2.160	2.146	0.6	86	0.00
7	S	Phenol-d6	1.700	1.798	-5.8	92	0.01
8		2-Chlorophenol	1.336	1.337	-0.1	88	0.00
9		Benzaldehyde	0.980	1.175	-19.9	108	0.00
10	C	Phenol	1.726	1.724	0.1	88	0.00
11		bis(2-Chloroethyl)ether	1.460	1.455	0.3	89	0.00
12		1,3-Dichlorobenzene	1.444	1.431	0.9	89	0.00
13	C	1,4-Dichlorobenzene	1.462	1.473	-0.8	91	0.00
14		1,2-Dichlorobenzene	1.411	1.472	-4.3	94	0.00
15		Benzyl Alcohol	1.203	1.677	-39.4#	118	0.00
16		2,2'-oxybis(1-Chloropropane	2.324	2.460	-5.9	95	0.00
17		2-Methylphenol	1.222	1.303	-6.6	93	0.00
18		Hexachloroethane	0.572	0.635	-11.0	99	0.00
19	P	n-Nitroso-di-n-propylamine	1.202	1.519	-26.4#	107	0.00
20		3+4-Methylphenols	1.634	1.835	-12.3	96	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00
22		Acetophenone	0.504	0.539	-6.9	101	0.00
23	S	Nitrobenzene-d5	0.429	0.496	-15.6	108	0.00
24		Nitrobenzene	0.423	0.469	-10.9	104	0.00
25		Isophorone	0.759	0.909	-19.8	111	0.01
26	C	2-Nitrophenol	0.161	0.187	-16.1	105	0.00
27		2,4-Dimethylphenol	0.291	0.290	0.3	93	0.00
28		bis(2-Chloroethoxy)methane	0.457	0.475	-3.9	97	0.00
29	C	2,4-Dichlorophenol	0.287	0.333	-16.0	106	0.00
30		1,2,4-Trichlorobenzene	0.315	0.369	-17.1	111	0.00
31		Naphthalene	1.033	1.074	-4.0	98	0.00
32		Benzoic acid	0.215	0.212	1.4	91	0.05
33		4-Chloroaniline	0.403	0.441	-9.4	97	0.00
34	C	Hexachlorobutadiene	0.191	0.262	-37.2#	132	0.00
35		Caprolactam	0.101	0.100	1.0	92	0.03
36	C	4-Chloro-3-methylphenol	0.327	0.379	-15.9	106	0.01
37		2-Methylnaphthalene	0.728	0.818	-12.4	105	0.00
38		1-Methylnaphthalene	0.685	0.779	-13.7	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	0.597	0.691	-15.7	126	0.00
41	P	Hexachlorocyclopentadiene	0.309	0.430	-39.2#	153#	0.00
42	S	2,4,6-Tribromophenol	0.261	0.317	-21.5	132	0.00
43	C	2,4,6-Trichlorophenol	0.383	0.433	-13.1	120	0.00
44		2,4,5-Trichlorophenol	0.455	0.519	-14.1	120	0.00
45	S	2-Fluorobiphenyl	1.486	1.763	-18.6	129	0.00
46		1,1'-Biphenyl	1.529	1.587	-3.8	112	0.00
47		2-Chloronaphthalene	1.122	1.144	-2.0	109	0.00

Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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	0.390	0.443	-13.6	112	0.00
49		Acenaphthylene	1.857	1.949	-5.0	111	0.00
50		Dimethylphthalate	1.495	1.621	-8.4	115	0.00
51		2,6-Dinitrotoluene	0.308	0.330	-7.1	111	0.00
52	C	Acenaphthene	1.127	1.154	-2.4	110	0.00
53		3-Nitroaniline	0.296	0.287	3.0	96	0.00
54	P	2,4-Dinitrophenol	0.177	0.157	11.3	91	0.00
55		Dibenzofuran	1.833	1.994	-8.8	116	0.00
56	P	4-Nitrophenol	0.233	0.208	10.7	93	0.01
57		2,4-Dinitrotoluene	0.408	0.479	-17.4	118	0.00
58		Fluorene	1.483	1.643	-10.8	117	0.00
59		2,3,4,6-Tetrachlorophenol	0.384	0.432	-12.5	119	0.00
60		Diethylphthalate	1.514	1.657	-9.4	115	0.00
61		4-Chlorophenyl-phenylether	0.749	0.920	-22.8	131	0.00
62		4-Nitroaniline	0.247	0.258	-4.5	98	0.01
63		Azobenzene	1.669	1.840	-10.2	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.117	0.125	-6.8	103	0.00
66	c	n-Nitrosodiphenylamine	0.564	0.634	-12.4	110	0.00
67		4-Bromophenyl-phenylether	0.200	0.252	-26.0#	123	0.00
68		Hexachlorobenzene	0.221	0.272	-23.1	121	0.00
69		Atrazine	0.163	0.169	-3.7	102	0.00
70	C	Pentachlorophenol	0.163	0.169	-3.7	104	0.00
71		Phenanthrene	1.045	1.082	-3.5	101	0.00
72		Anthracene	1.035	1.118	-8.0	103	0.00
73		Carbazole	0.842	0.862	-2.4	92	0.00
74		Di-n-butylphthalate	1.183	1.321	-11.7	106	0.00
75	C	Fluoranthene	1.228	1.212	1.3	95	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	83	0.00
77		Benzidine	0.192	0.241	-25.5#	102	0.00
78		Pyrene	1.373	1.573	-14.6	91	0.00
79	S	Terphenyl-d14	1.180	1.570	-33.1#	103	0.00
80		Butylbenzylphthalate	0.587	0.674	-14.8	88	0.00
81		Benzo(a)anthracene	1.273	1.359	-6.8	86	0.00
82		3,3'-Dichlorobenzidine	0.404	0.469	-16.1	89	0.00
83		Chrysene	1.293	1.328	-2.7	83	0.00
84		Bis(2-ethylhexyl)phthalate	0.886	1.014	-14.4	90	0.00
85	c	Di-n-octyl phthalate	1.526	1.584	-3.8	84	0.00
86	I	Perylene-d12	1.000	1.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	1.190	1.370	-15.1	91	0.00
88		Benzo(b)fluoranthene	1.114	1.127	-1.2	80	0.00
89		Benzo(k)fluoranthene	1.242	1.242	0.0	83	0.00
90	C	Benzo(a)pyrene	1.097	1.133	-3.3	82	0.00
91		Dibenzo(a,h)anthracene	0.967	1.164	-20.4	92	0.00
92		Benzo(g,h,i)perylene	1.049	1.087	-3.6	84	0.00

Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Evaluate Continuing Calibration Report

Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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	88	0.00
2		1,4-Dioxane	40.000	34.892	12.8	77	0.00
3		Pyridine	40.000	33.536	16.2	74	0.00
4		n-Nitrosodimethylamine	40.000	51.158	-27.9#	113	0.00
5	S	2-Fluorophenol	80.000	75.088	6.1	83	0.00
6		Aniline	40.000	39.736	0.7	86	0.00
7	S	Phenol-d6	80.000	84.652	-5.8	92	0.01
8		2-Chlorophenol	40.000	40.012	-0.0	88	0.00
9		Benzaldehyde	40.000	47.994	-20.0	108	0.00
10	C	Phenol	40.000	39.945	0.1	88	0.00
11		bis(2-Chloroethyl)ether	40.000	39.856	0.4	89	0.00
12		1,3-Dichlorobenzene	40.000	39.623	0.9	89	0.00
13	C	1,4-Dichlorobenzene	40.000	40.309	-0.8	91	0.00
14		1,2-Dichlorobenzene	40.000	41.727	-4.3	94	0.00
15		Benzyl Alcohol	40.000	55.745	-39.4#	118	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.349	-5.9	95	0.00
17		2-Methylphenol	40.000	42.651	-6.6	93	0.00
18		Hexachloroethane	40.000	44.420	-11.1	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	50.548	-26.4#	107	0.00
20		3+4-Methylphenols	40.000	44.922	-12.3	96	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	98	0.00
22		Acetophenone	40.000	42.780	-7.0	101	0.00
23	S	Nitrobenzene-d5	80.000	92.555	-15.7	108	0.00
24		Nitrobenzene	40.000	44.431	-11.1	104	0.00
25		Isophorone	40.000	47.869	-19.7	111	0.01
26	C	2-Nitrophenol	40.000	42.139	-5.3	105	0.00
27		2,4-Dimethylphenol	40.000	39.887	0.3	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.535	-3.8	97	0.00
29	C	2,4-Dichlorophenol	40.000	46.288	-15.7	106	0.00
30		1,2,4-Trichlorobenzene	40.000	46.811	-17.0	111	0.00
31		Naphthalene	40.000	41.583	-4.0	98	0.00
32		Benzoic acid	40.000	36.942	7.6	91	0.05
33		4-Chloroaniline	40.000	43.743	-9.4	97	0.00
34	C	Hexachlorobutadiene	40.000	54.833	-37.1#	132	0.00
35		Caprolactam	40.000	39.799	0.5	92	0.03
36	C	4-Chloro-3-methylphenol	40.000	46.353	-15.9	106	0.01
37		2-Methylnaphthalene	40.000	44.979	-12.4	105	0.00
38		1-Methylnaphthalene	40.000	45.507	-13.8	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	113	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	46.285	-15.7	126	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.415	-26.0#	153	0.00
42	S	2,4,6-Tribromophenol	80.000	97.259	-21.6	132	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.292	-13.2	120	0.00
44		2,4,5-Trichlorophenol	40.000	45.588	-14.0	120	0.00
45	S	2-Fluorobiphenyl	80.000	94.888	-18.6	129	0.00
46		1,1'-Biphenyl	40.000	41.533	-3.8	112	0.00
47		2-Chloronaphthalene	40.000	40.803	-2.0	109	0.00

Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
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	39.996	0.0	112	0.00
49		Acenaphthylene	40.000	41.977	-4.9	111	0.00
50		Dimethylphthalate	40.000	43.369	-8.4	115	0.00
51		2,6-Dinitrotoluene	40.000	42.911	-7.3	111	0.00
52	C	Acenaphthene	40.000	40.949	-2.4	110	0.00
53		3-Nitroaniline	40.000	34.610	13.5	96	0.00
54	P	2,4-Dinitrophenol	40.000	33.702	15.7	91	0.00
55		Dibenzofuran	40.000	43.513	-8.8	116	0.00
56	P	4-Nitrophenol	40.000	34.046	14.9	93	0.01
57		2,4-Dinitrotoluene	40.000	41.586	-4.0	118	0.00
58		Fluorene	40.000	44.326	-10.8	117	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.064	-12.7	119	0.00
60		Diethylphthalate	40.000	43.758	-9.4	115	0.00
61		4-Chlorophenyl-phenylether	40.000	49.100	-22.8	131	0.00
62		4-Nitroaniline	40.000	35.192	12.0	98	0.01
63		Azobenzene	40.000	44.101	-10.3	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.994	0.0	103	0.00
66	c	n-Nitrosodiphenylamine	40.000	45.002	-12.5	110	0.00
67		4-Bromophenyl-phenylether	40.000	50.313	-25.8#	123	0.00
68		Hexachlorobenzene	40.000	49.176	-22.9	121	0.00
69		Atrazine	40.000	41.521	-3.8	102	0.00
70	C	Pentachlorophenol	40.000	41.620	-4.0	104	0.00
71		Phenanthrene	40.000	41.400	-3.5	101	0.00
72		Anthracene	40.000	43.214	-8.0	103	0.00
73		Carbazole	40.000	40.956	-2.4	92	0.00
74		Di-n-butylphthalate	40.000	44.664	-11.7	106	0.00
75	C	Fluoranthene	40.000	39.502	1.2	95	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	83	0.00
77		Benzidine	40.000	50.284	-25.7#	102	0.00
78		Pyrene	40.000	45.811	-14.5	91	0.00
79	S	Terphenyl-d14	80.000	106.457	-33.1#	103	0.00
80		Butylbenzylphthalate	40.000	45.932	-14.8	88	0.00
81		Benzo(a)anthracene	40.000	42.712	-6.8	86	0.00
82		3,3'-Dichlorobenzidine	40.000	46.399	-16.0	89	0.00
83		Chrysene	40.000	41.097	-2.7	83	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.770	-14.4	90	0.00
85	c	Di-n-octyl phthalate	40.000	41.533	-3.8	84	0.00
86	I	Perylene-d12	20.000	20.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.046	-15.1	91	0.00
88		Benzo(b)fluoranthene	40.000	40.457	-1.1	80	0.00
89		Benzo(k)fluoranthene	40.000	40.007	-0.0	83	0.00
90	C	Benzo(a)pyrene	40.000	41.328	-3.3	82	0.00
91		Dibenzo(a,h)anthracene	40.000	42.866	-7.2	92	0.00
92		Benzo(g,h,i)perylene	40.000	41.454	-3.6	84	0.00

Sample Results: **BM042685.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042685.D
Acq On : 10 Nov 2023 11:22
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Nov 10 12:39:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration

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

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

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

CHEMTECH

QC SAMPLE DATA

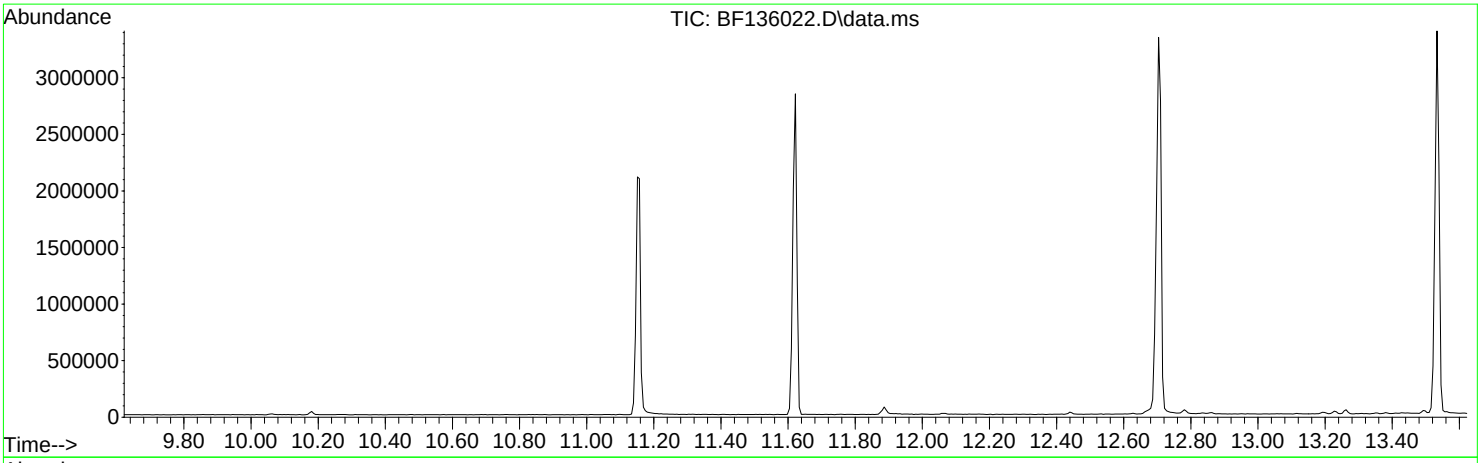
Sample Results: **BF136022.D**

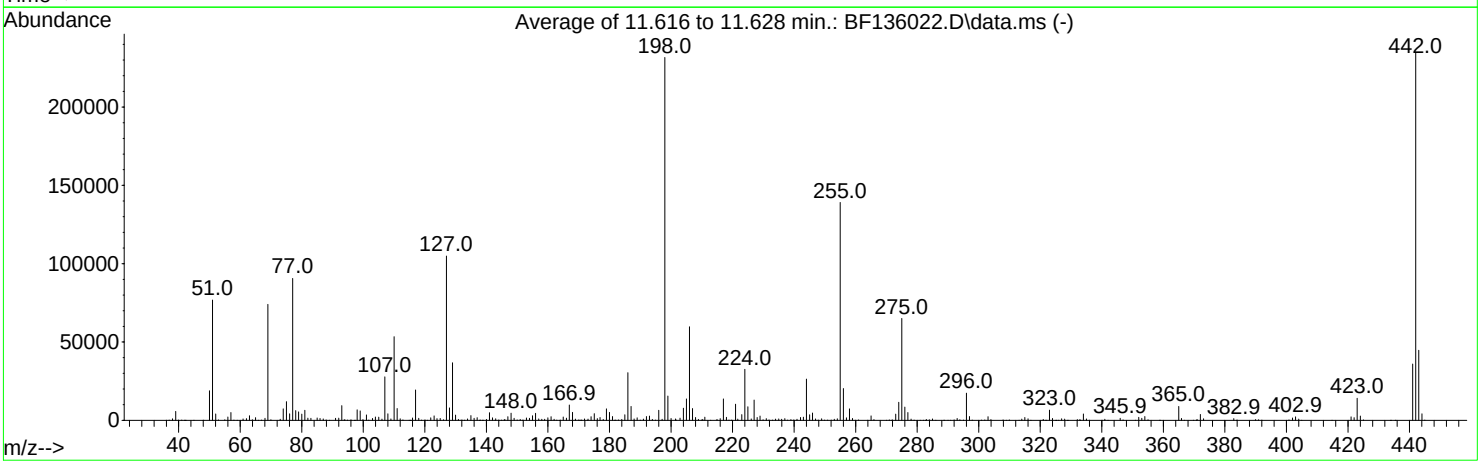
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136022.D
Acq On : 30 Oct 2023 11:02
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 01:13:02 2023





AutoFind: Scans 1620, 1621, 1622; Background Corrected with Scan 1614

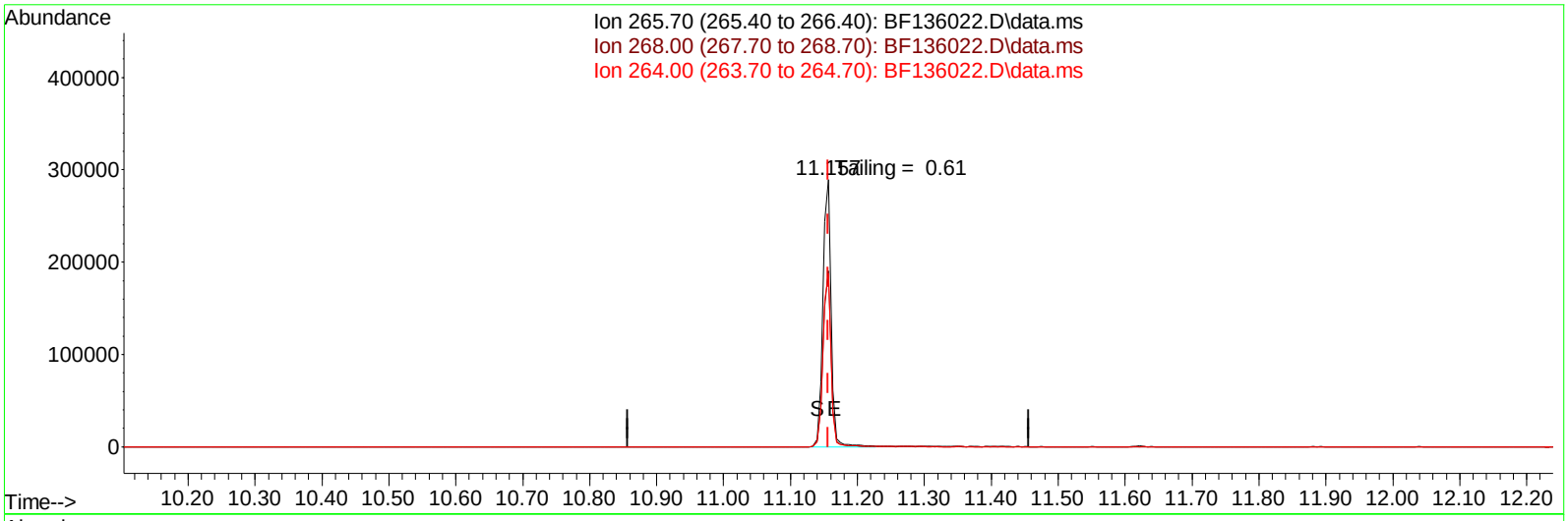
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.1	76773	PASS
68	69	0.00	2	1.8	1316	PASS
69	198	0.00	100	32.0	74048	PASS
70	69	0.00	2	0.6	435	PASS
127	198	10	80	45.3	104917	PASS
197	198	0.00	2	0.3	757	PASS
198	198	100	100	100.0	231611	PASS
199	198	5	9	6.7	15492	PASS
275	198	10	60	28.1	65048	PASS
365	198	1	100	3.8	8891	PASS
441	198	0.01	100	15.5	35931	PASS
442	442	50	100	100.0	234816	PASS
443	442	15	24	19.0	44715	PASS

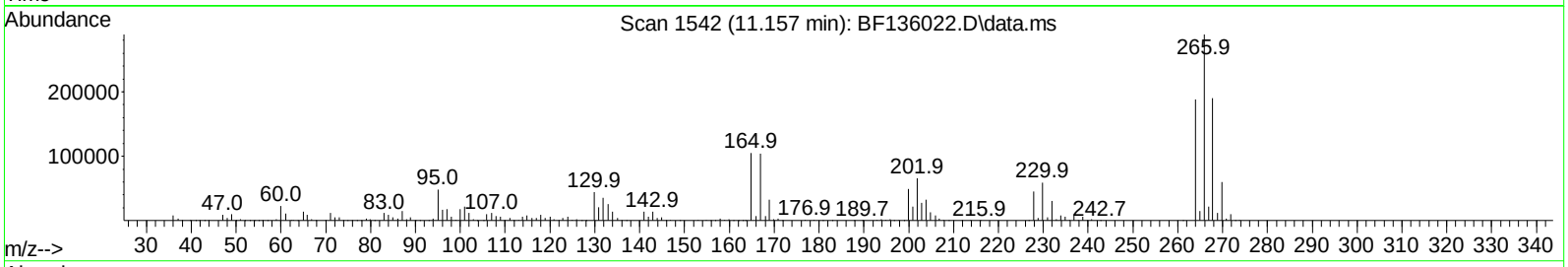
Sample Results: **BF136022.D**

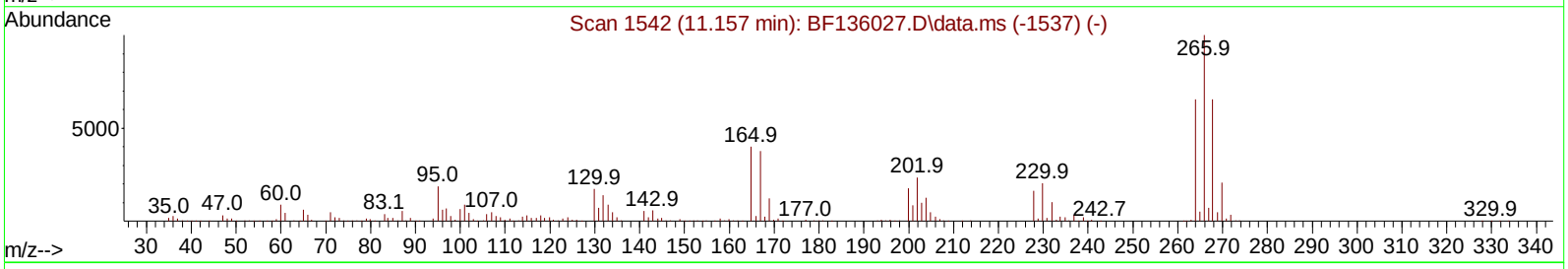
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136022.D
Acq On : 30 Oct 2023 11:02
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 31 01:19:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration







TIC: BF136022.D\data.ms

(70) Pentachlorophenol (C)

11.157min (+ 0.000) 31322.27 ng

response 247319

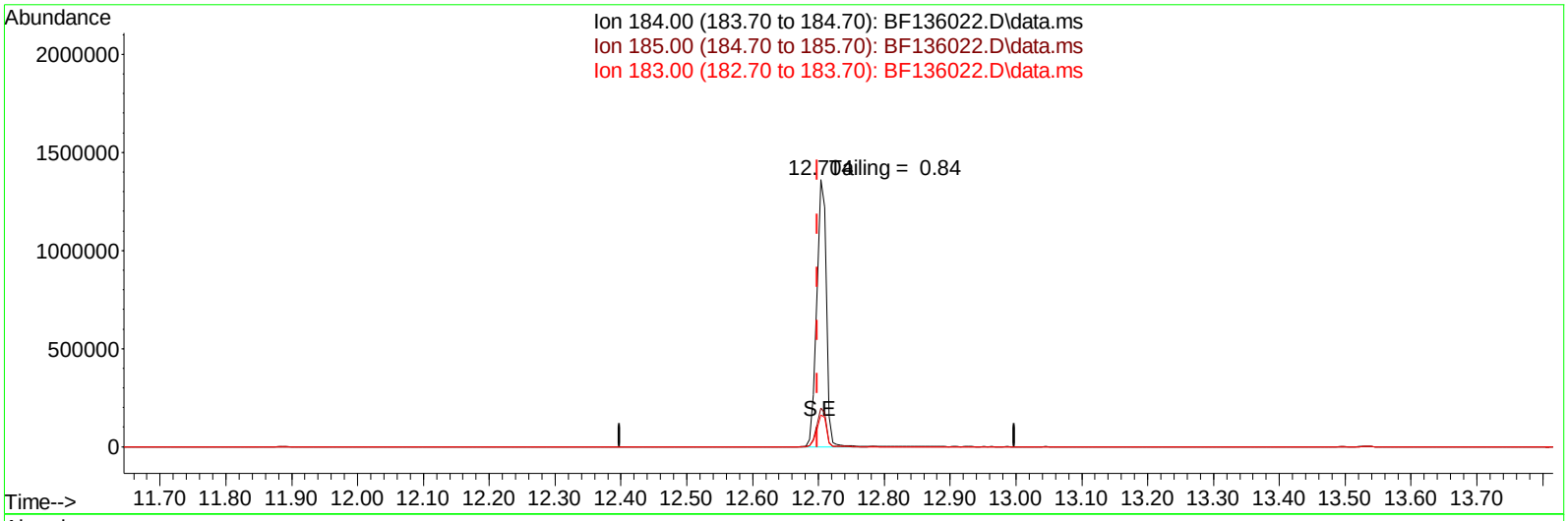
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	65.83
264.00	65.30	65.01
0.00	0.00	0.00

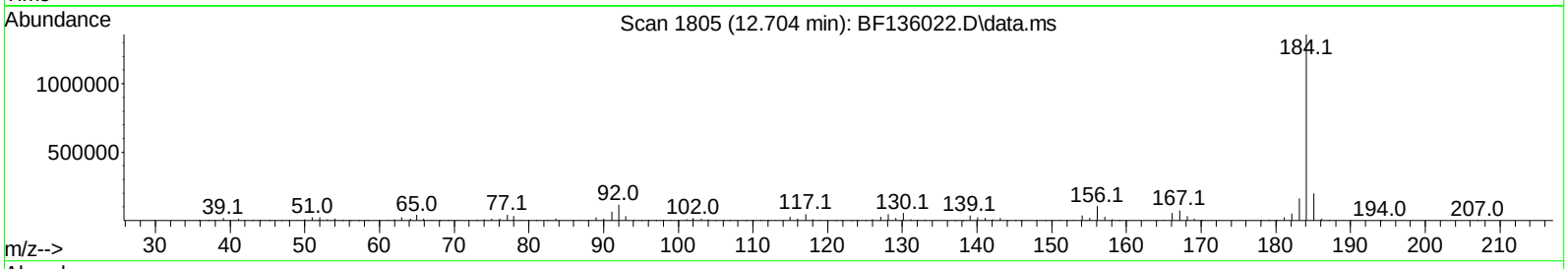
Sample Results: **BF136022.D**

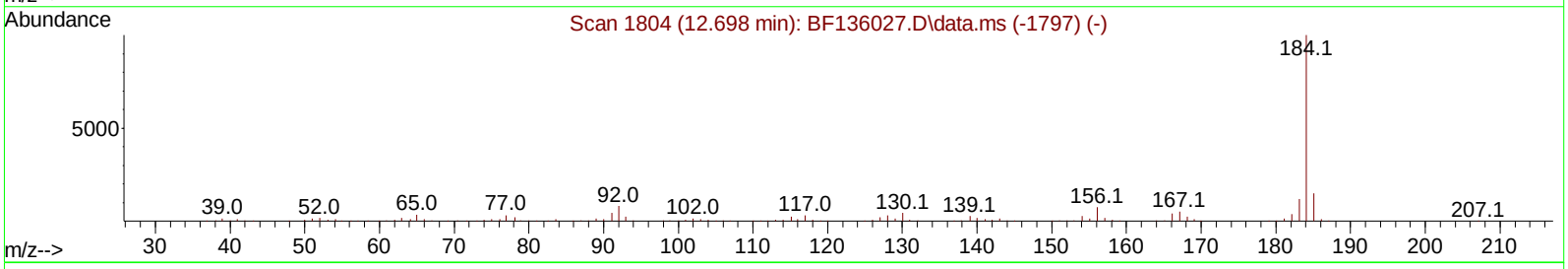
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136022.D
Acq On : 30 Oct 2023 11:02
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 31 01:19:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration







TIC: BF136022.D\data.ms

(77) Benzidine

12.704min (+ 0.006) 70133.47 ng

response 1380629

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.80	14.44
183.00	11.90	12.00
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/30/2023	BNA_F	BF136022.D
Compound Name	**Response**	**Retention Time**
DDT	571640	13.533
DDD	9565	13.263
DDE	214	12.892
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9779	581419	1.68

Instrument :
BNA_F
ClientSampleId :
DFTPP

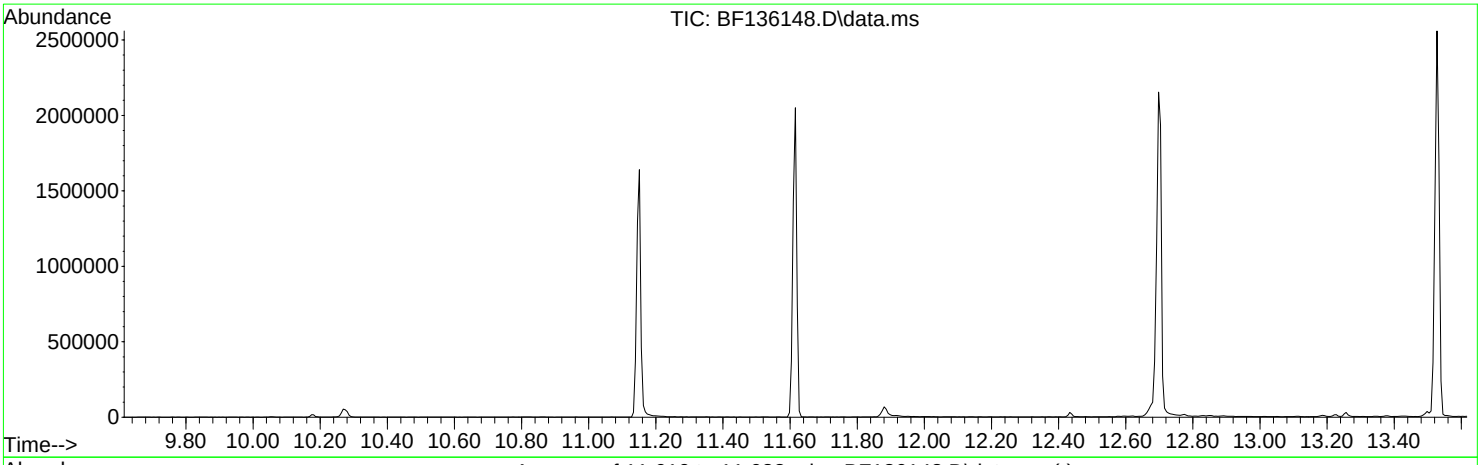
Sample Results: **BF136148.D**

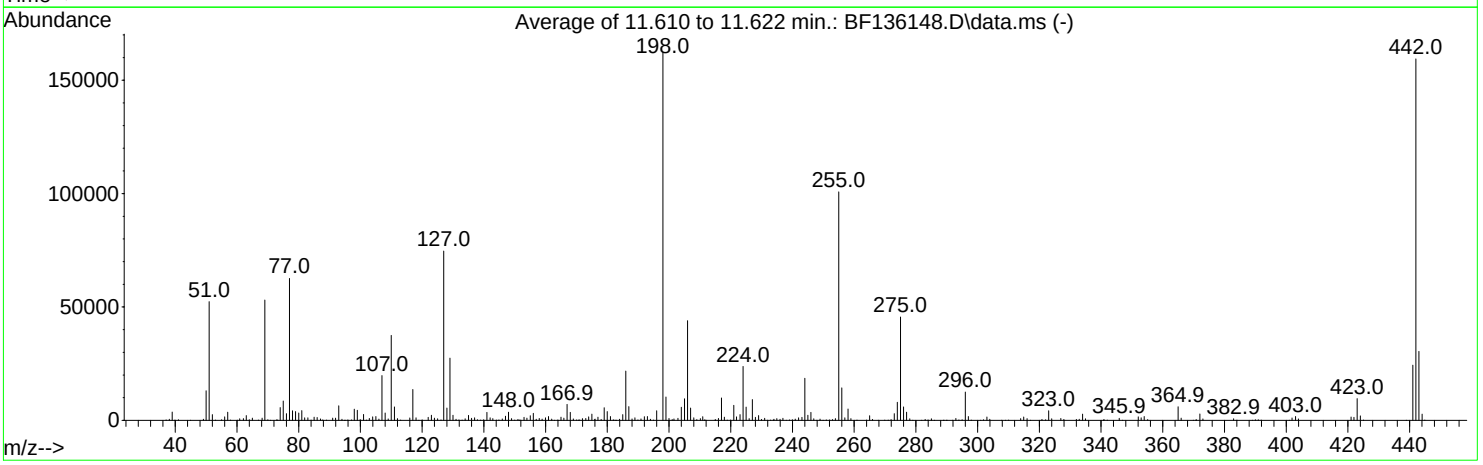
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136148.D
Acq On : 06 Nov 2023 11:31
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Nov 06 00:53:35 2023





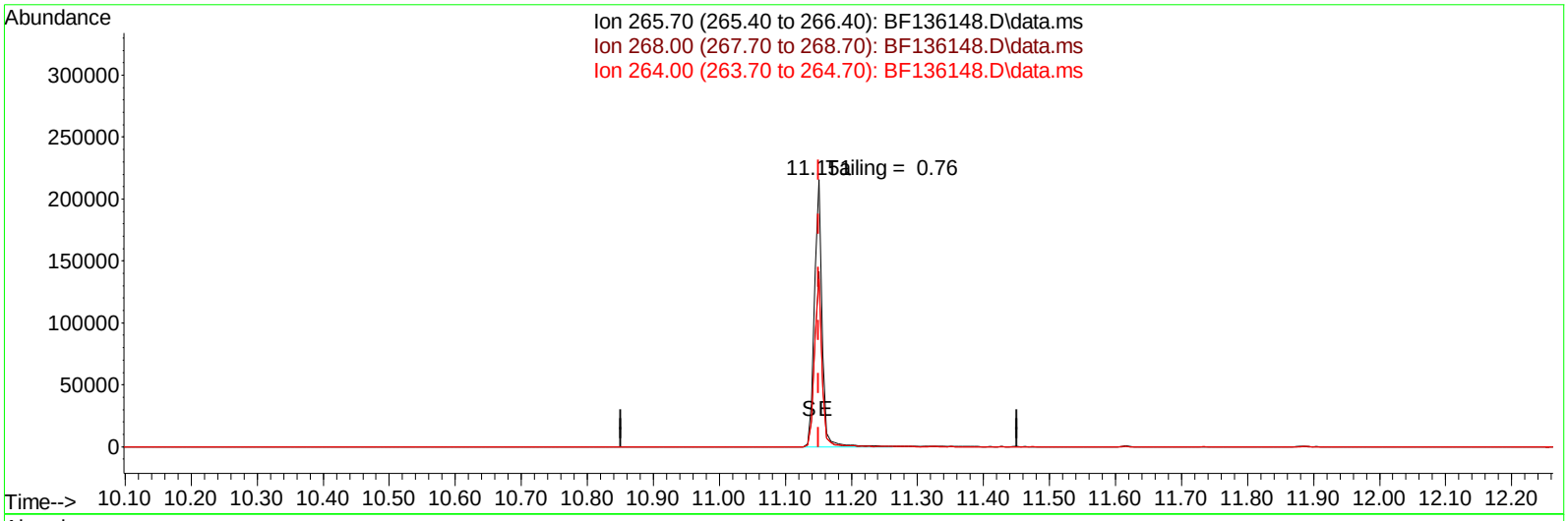
AutoFind: Scans 1619, 1620, 1621; Background Corrected with Scan 1614

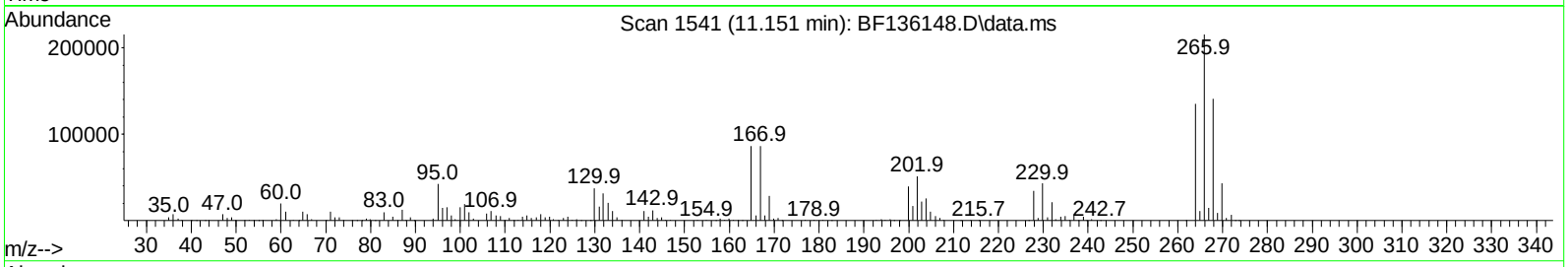
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	52372	PASS
68	69	0.00	2	1.8	969	PASS
69	198	0.00	100	32.7	53045	PASS
70	69	0.00	2	0.5	274	PASS
127	198	10	80	46.0	74651	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	162232	PASS
199	198	5	9	6.3	10281	PASS
275	198	10	60	28.1	45568	PASS
365	198	1	100	3.7	6022	PASS
441	198	0.01	100	15.0	24356	PASS
442	442	50	100	100.0	159424	PASS
443	442	15	24	19.1	30397	PASS

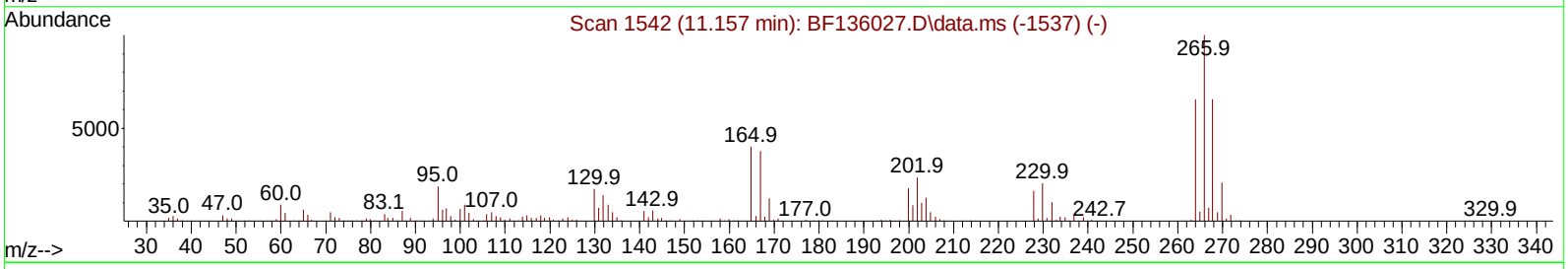
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136148.D
Acq On : 06 Nov 2023 11:31
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 06 18:57:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration







TIC: BF136148.D\data.ms

(70) Pentachlorophenol (C)

11.151min (+ 0.000) 82371.86 ng

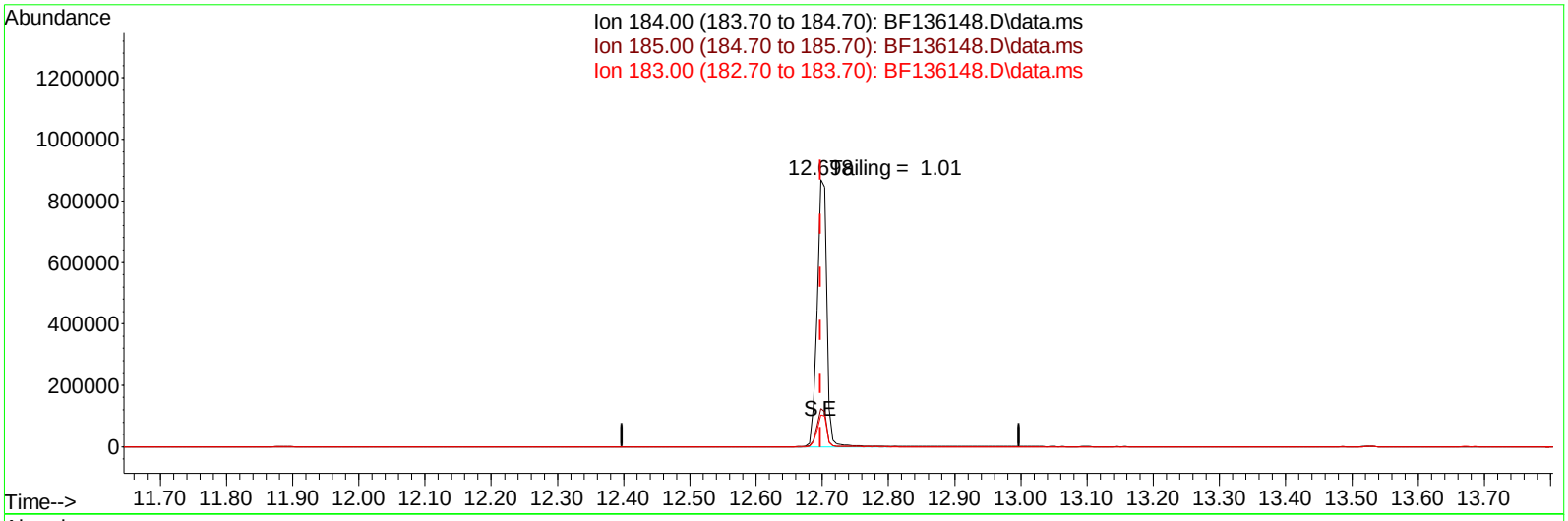
response 177706

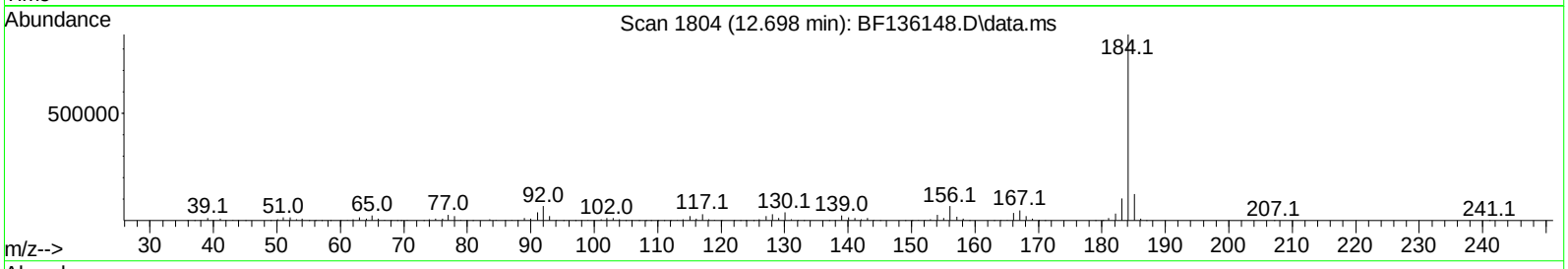
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	65.58
264.00	65.30	62.79
0.00	0.00	0.00

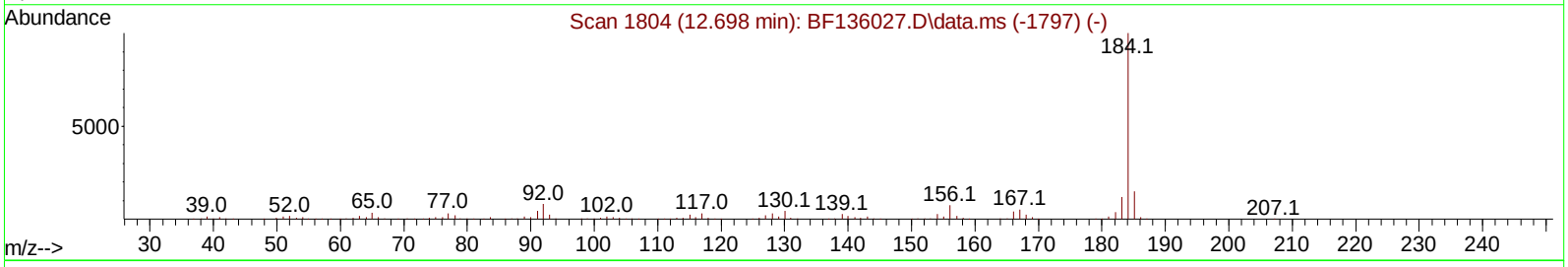
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136148.D
Acq On : 06 Nov 2023 11:31
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 06 18:57:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration







TIC: BF136148.D\data.ms

(77) Benzidine

12.698min (+ 0.000) 636124.38 ng

response 880300

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.80	14.28
183.00	11.90	11.92
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/6/2023	BNA_F	BF136148.D
Compound Name	**Response**	**Retention Time**
DDT	452190	13.527
DDD	6741	13.257
DDE	468	12.886
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7209	459399	1.57

Instrument :
BNA_F
ClientSampleId :
DFTPP

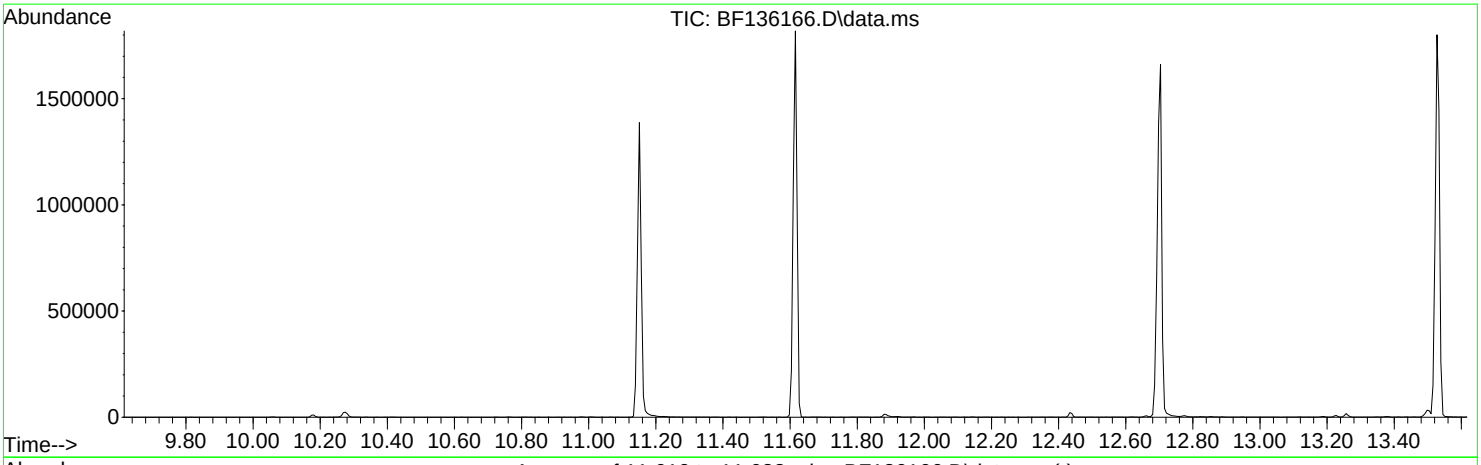
Sample Results: **BF136166.D**

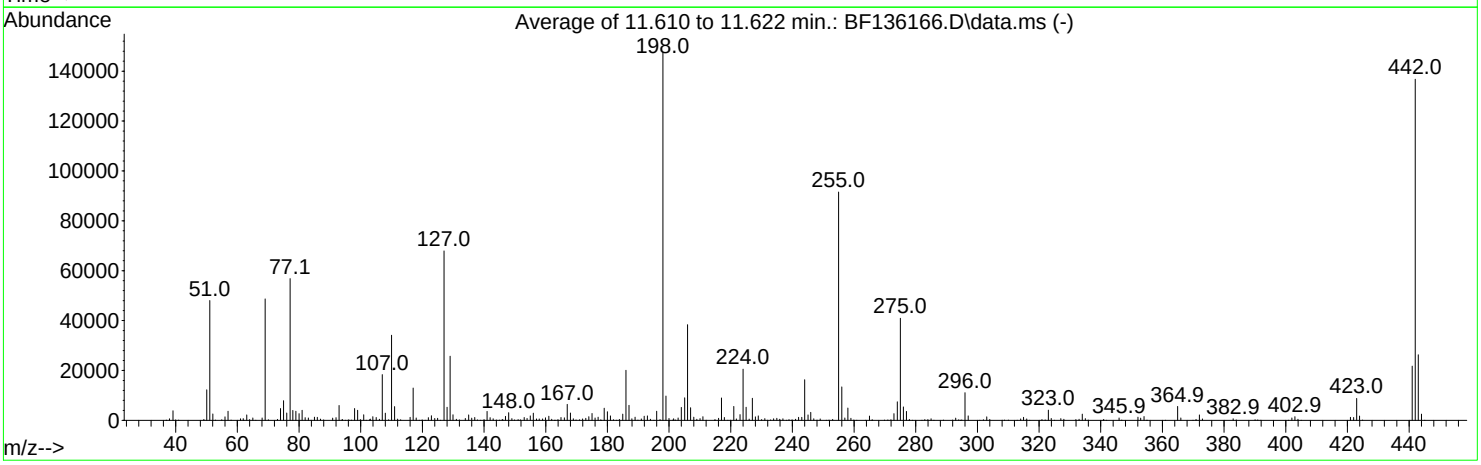
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136166.D
Acq On : 07 Nov 2023 09:28
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Nov 08 02:12:01 2023





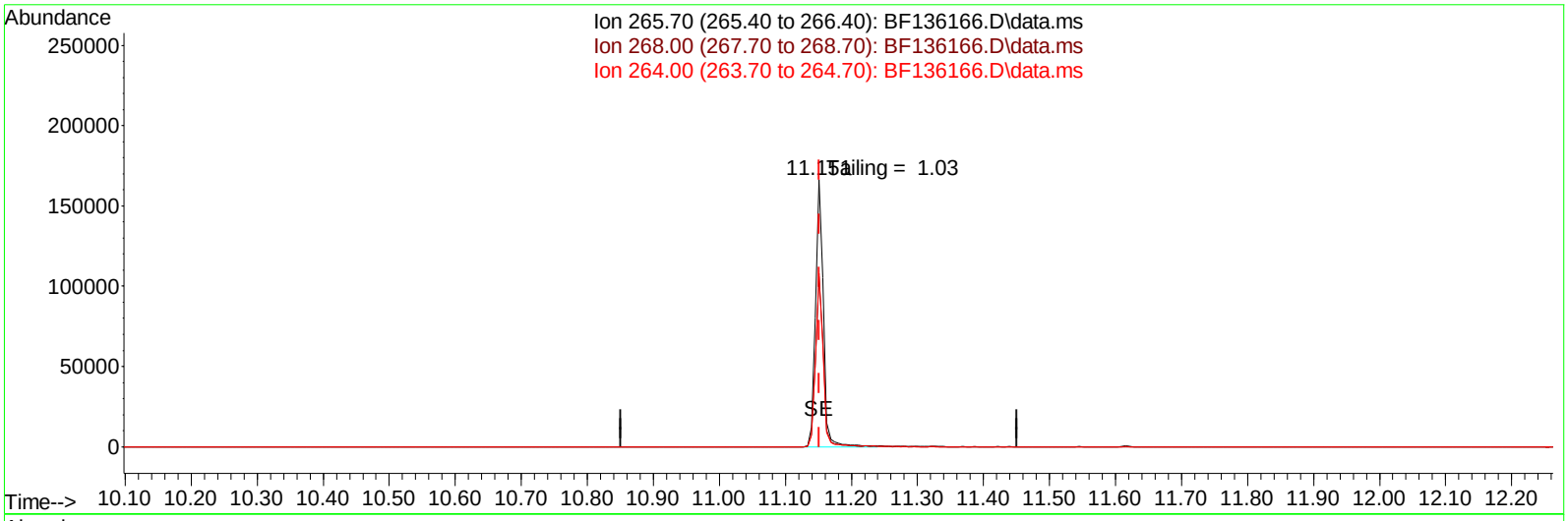
AutoFind: Scans 1619, 1620, 1621; Background Corrected with Scan 1614

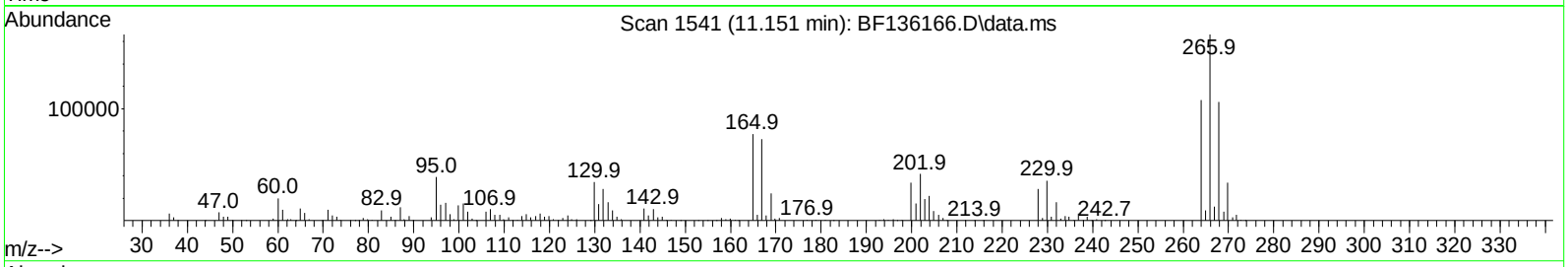
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.6	48075	PASS
68	69	0.00	2	2.0	958	PASS
69	198	0.00	100	33.0	48680	PASS
70	69	0.00	2	0.5	233	PASS
127	198	10	80	46.1	67923	PASS
197	198	0.00	2	0.2	307	PASS
198	198	100	100	100.0	147480	PASS
199	198	5	9	6.6	9759	PASS
275	198	10	60	27.7	40912	PASS
365	198	1	100	3.8	5582	PASS
441	198	0.01	100	14.8	21769	PASS
442	442	50	100	100.0	136771	PASS
443	442	15	24	19.2	26305	PASS

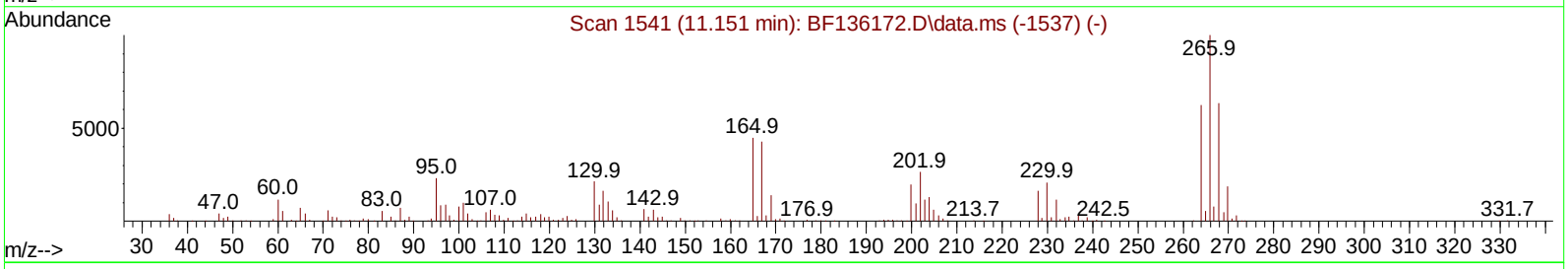
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136166.D
Acq On : 07 Nov 2023 09:28
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 03:03:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration







TIC: BF136166.D\data.ms

(70) Pentachlorophenol (C)

11.151min (-0.000) 80784.28 ng

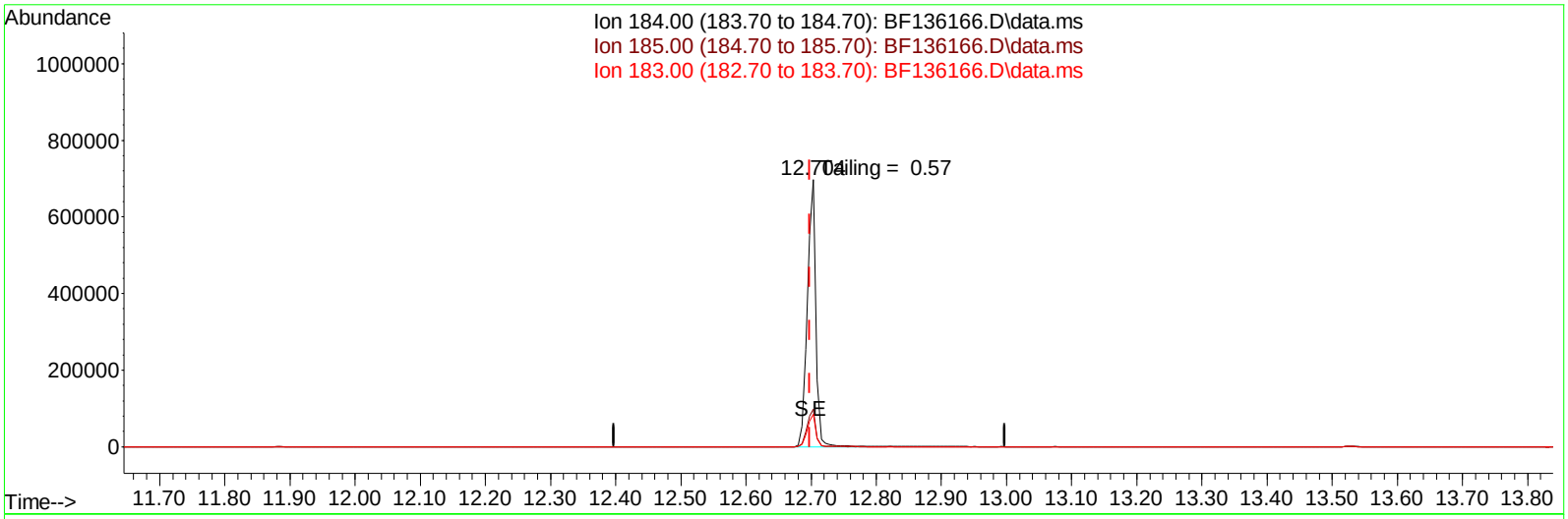
response 141039

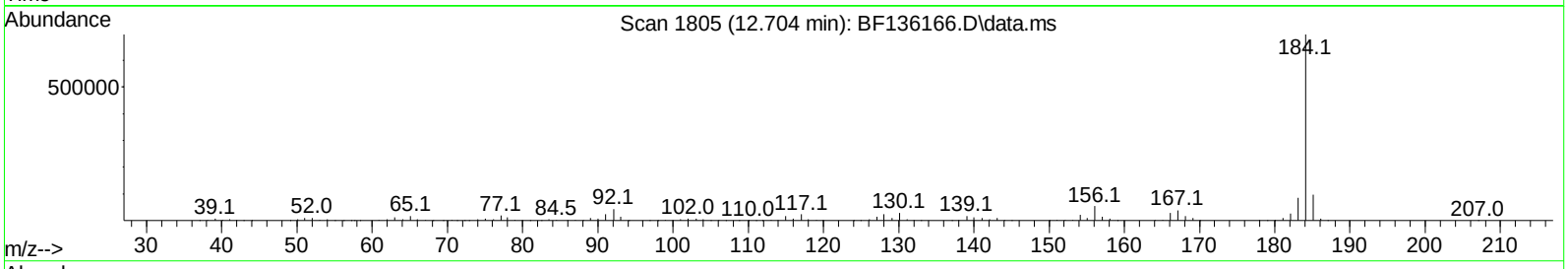
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.50	63.86
264.00	62.50	64.95
0.00	0.00	0.00

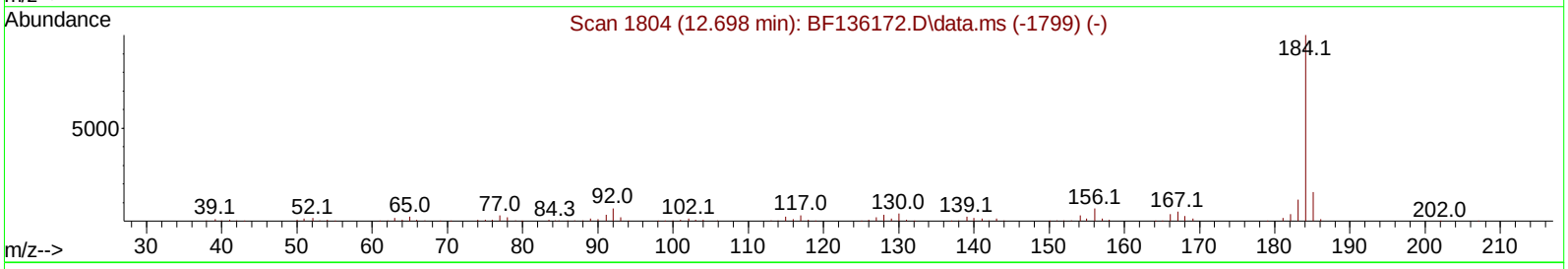
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136166.D
Acq On : 07 Nov 2023 09:28
Operator : CG\JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 08 03:03:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration







TIC: BF136166.D\data.ms

(77) Benzidine

12.704min (+ 0.006) 599842.57 ng

response 633588

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.10
183.00	11.50	12.19
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/7/2023	BNA_F	BF136166.D
Compound Name	**Response**	**Retention Time**
DDT	320046	13.527
DDD	4665	13.257
DDE	232	12.886
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4897	324943	1.51

Instrument :
BNA_F
ClientSampleId :
DFTPP

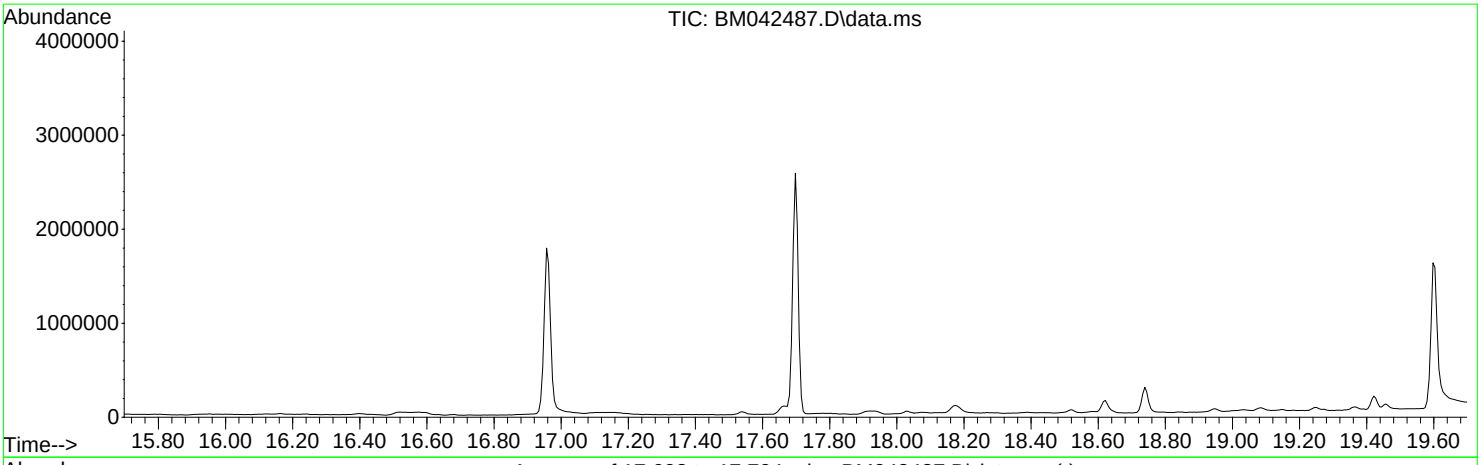
Sample Results: **BM042487.D**

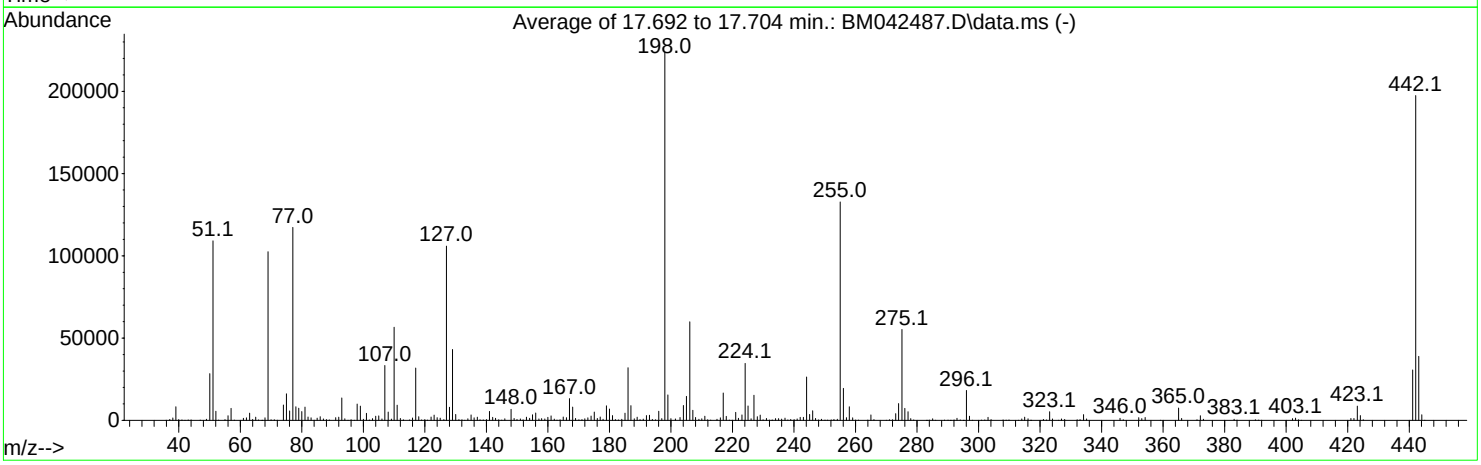
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042487.D
Acq On : 30 Oct 2023 09:52
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 31 02:55:18 2023





AutoFind: Scans 2466, 2467, 2468; Background Corrected with Scan 2459

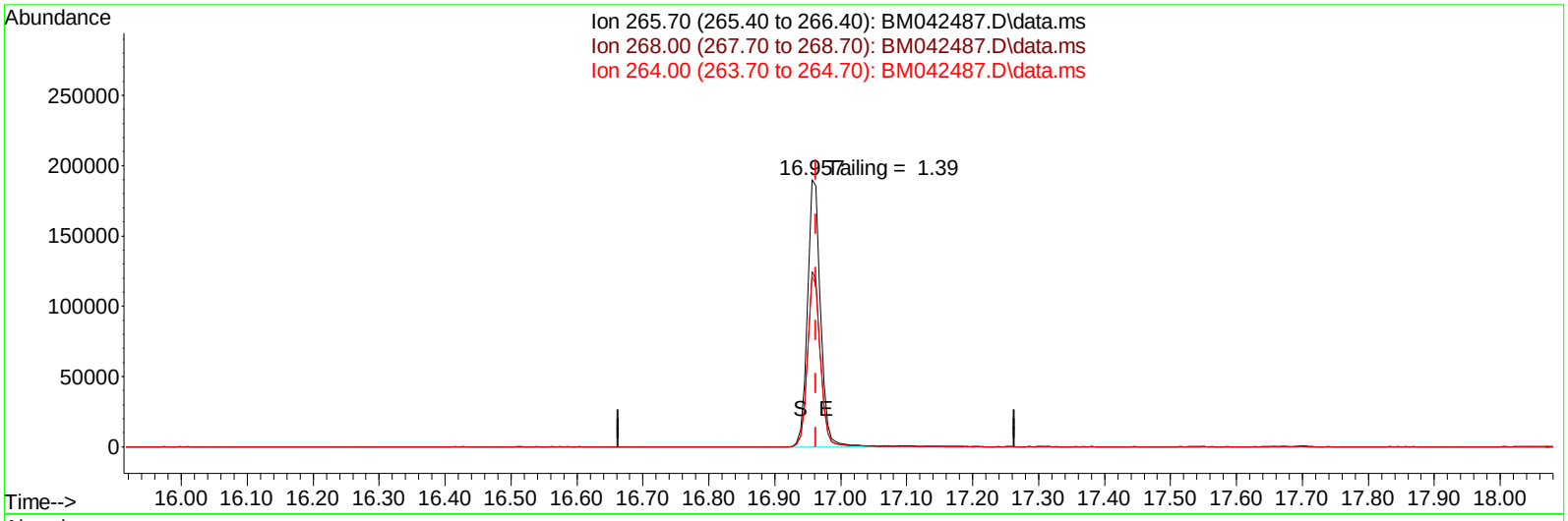
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	48.8	109094	PASS
68	69	0.00	2	1.5	1548	PASS
69	198	0.00	100	45.8	102490	PASS
70	69	0.00	2	0.4	384	PASS
127	198	10	80	47.4	105891	PASS
197	198	0.00	2	0.5	1098	PASS
198	198	100	100	100.0	223595	PASS
199	198	5	9	6.9	15426	PASS
275	198	10	60	24.7	55259	PASS
365	198	1	100	3.4	7521	PASS
441	198	0.01	100	13.7	30664	PASS
442	442	50	100	100.0	197456	PASS
443	442	15	24	19.7	38947	PASS

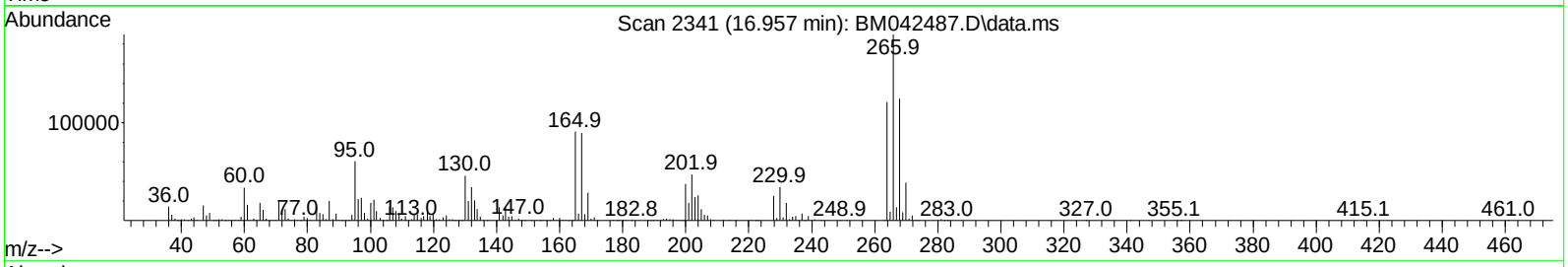
Sample Results: **BM042487.D**

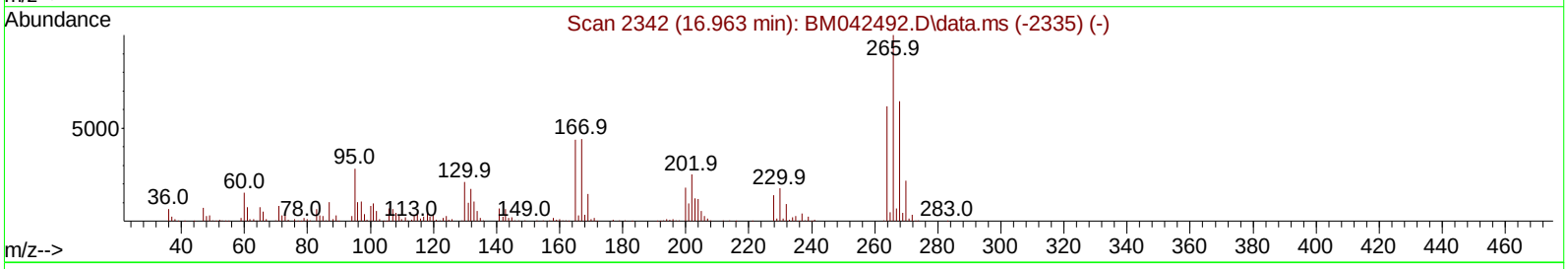
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042487.D
Acq On : 30 Oct 2023 09:52
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 30 16:45:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration







TIC: BM042487.D\data.ms

(70) Pentachlorophenol (C)

16.957min (-0.006) 0.00 ng

response 264555

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.60	65.61
264.00	61.80	63.70
0.00	0.00	0.00

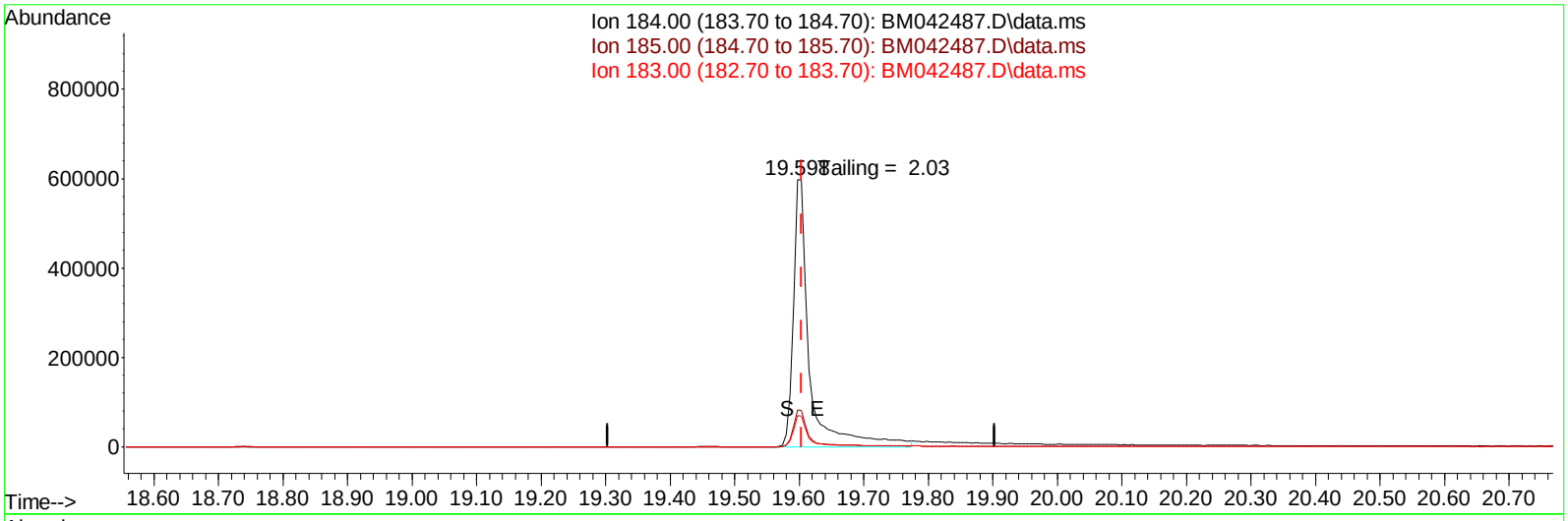
Quantitation Report (Qedit)

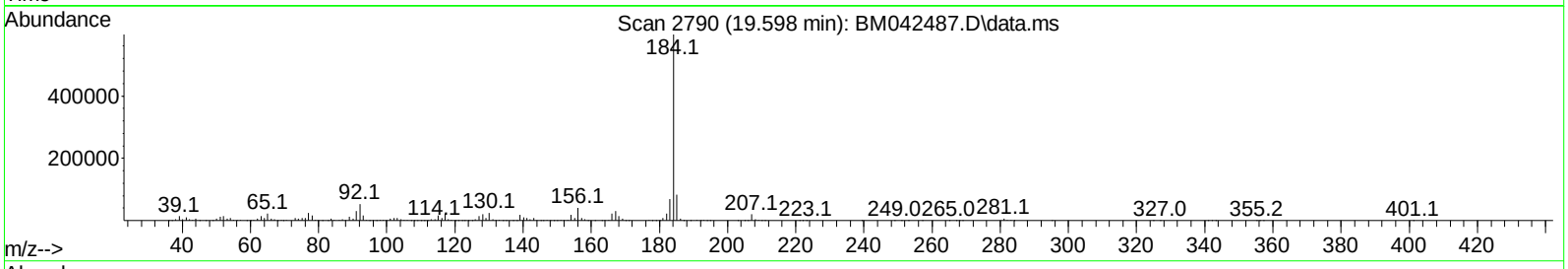
Sample Results: **BM042487.D**

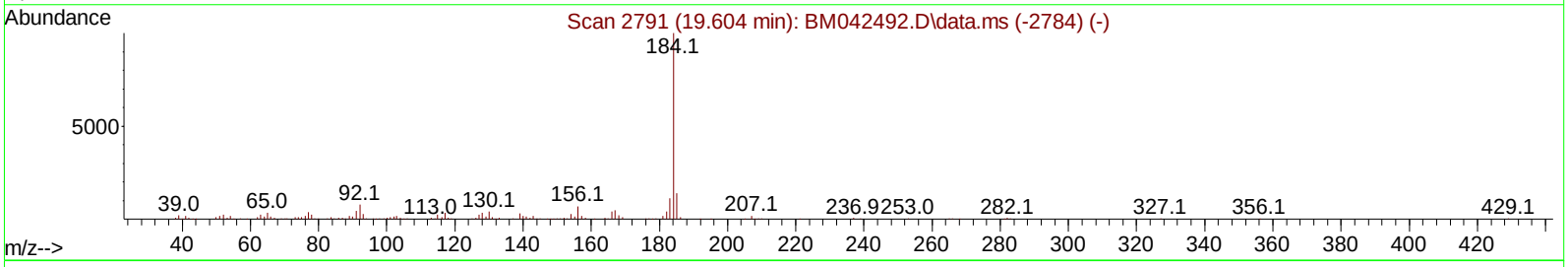
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM103023\
Data File : BM042487.D
Acq On : 30 Oct 2023 09:52
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Oct 30 16:45:15 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 30 16:44:27 2023
Response via : Initial Calibration







TIC: BM042487.D\data.ms

(77) Benzidine

19.598min (-0.006) 107031.09 ng

response 1037677

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.89
183.00	11.20	11.58
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/30/2023	BNA_M	BM042487.D
Compound Name	**Response**	**Retention Time**
DDT	764265	20.786
DDD	12766	20.35
DDE	557	19.833
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
13323	777588	1.71

Instrument :
BNA_M
ClientSampleId :
DFTPP

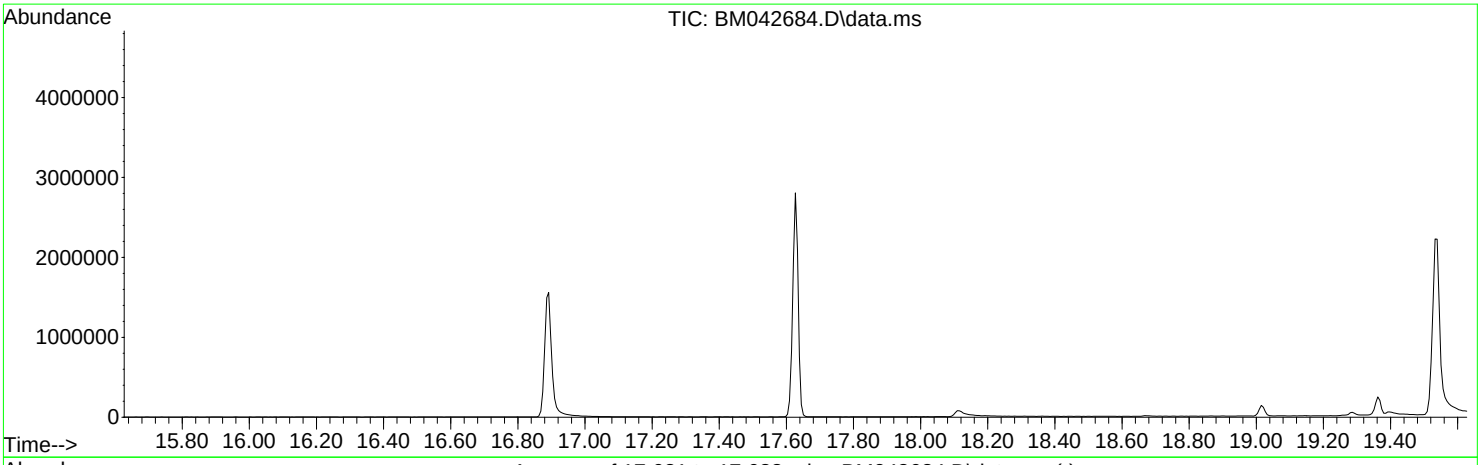
Sample Results: **BM042684.D**

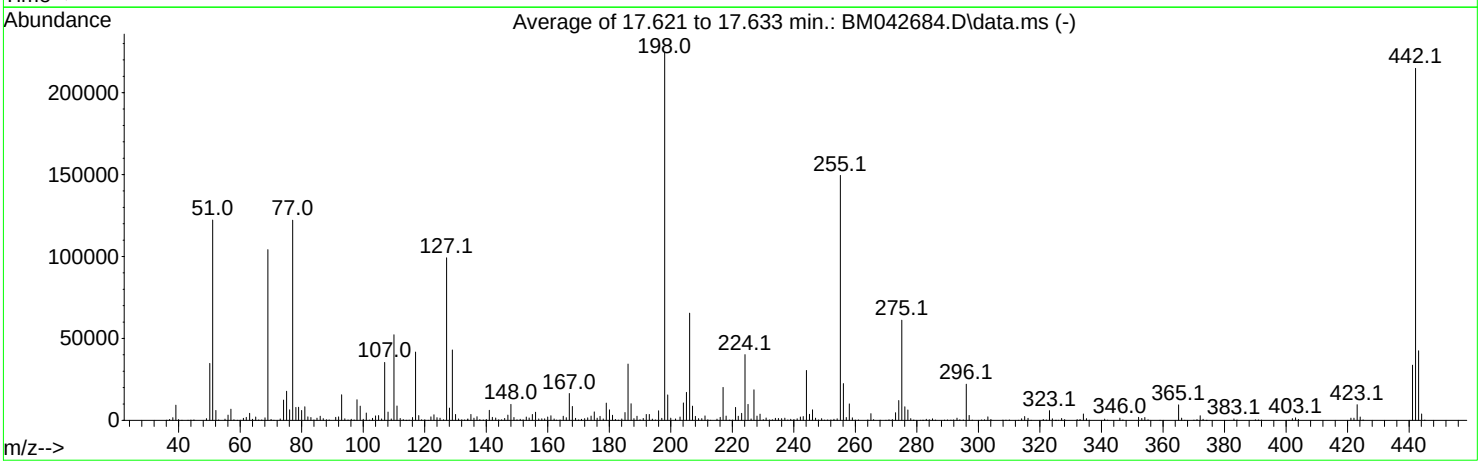
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042684.D
Acq On : 10 Nov 2023 10:10
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 09 13:21:00 2023





AutoFind: Scans 2488, 2489, 2490; Background Corrected with Scan 2481

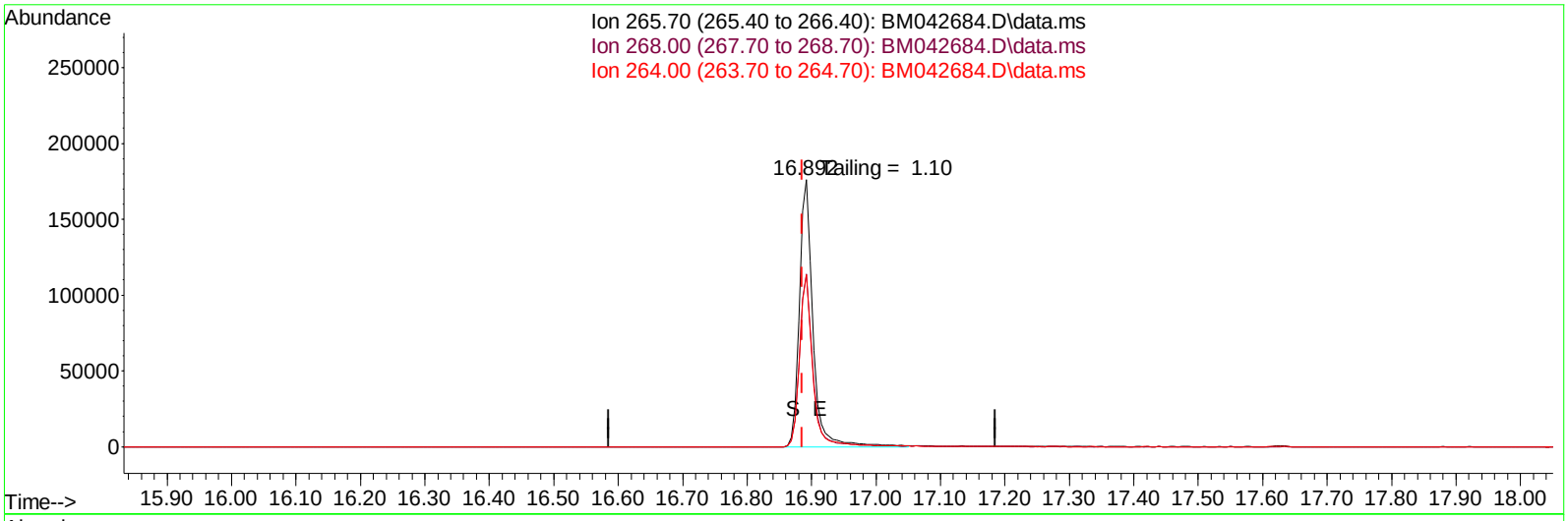
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	54.5	122316	PASS
68	69	0.00	2	1.5	1590	PASS
69	198	0.00	100	46.4	104171	PASS
70	69	0.00	2	0.6	600	PASS
127	198	10	80	44.2	99245	PASS
197	198	0.00	2	0.6	1259	PASS
198	198	100	100	100.0	224512	PASS
199	198	5	9	6.9	15509	PASS
275	198	10	60	27.2	61112	PASS
365	198	1	100	4.2	9491	PASS
441	198	0.01	100	15.0	33677	PASS
442	442	50	100	100.0	214848	PASS
443	442	15	24	19.8	42443	PASS

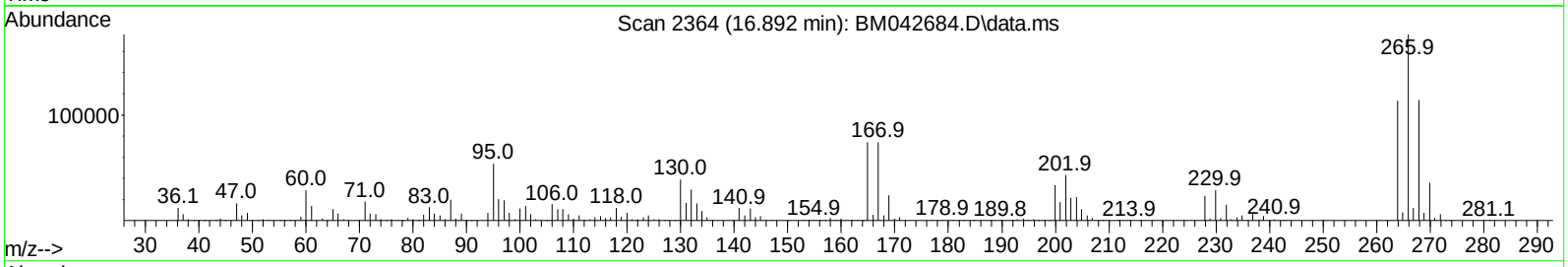
Sample Results: **BM042684.D**

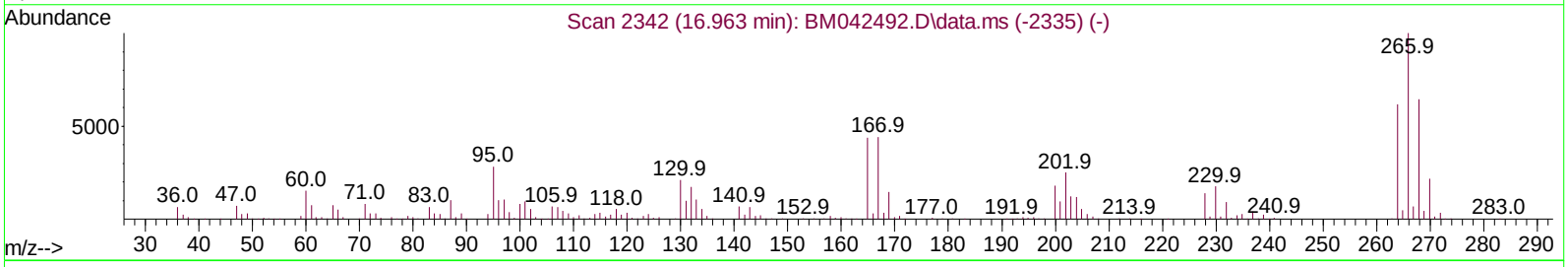
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042684.D
Acq On : 10 Nov 2023 10:10
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Nov 10 23:40:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration







TIC: BM042684.D\data.ms

(70) Pentachlorophenol (C)

16.892min (+ 0.006) 23183.79 ng

response 259063

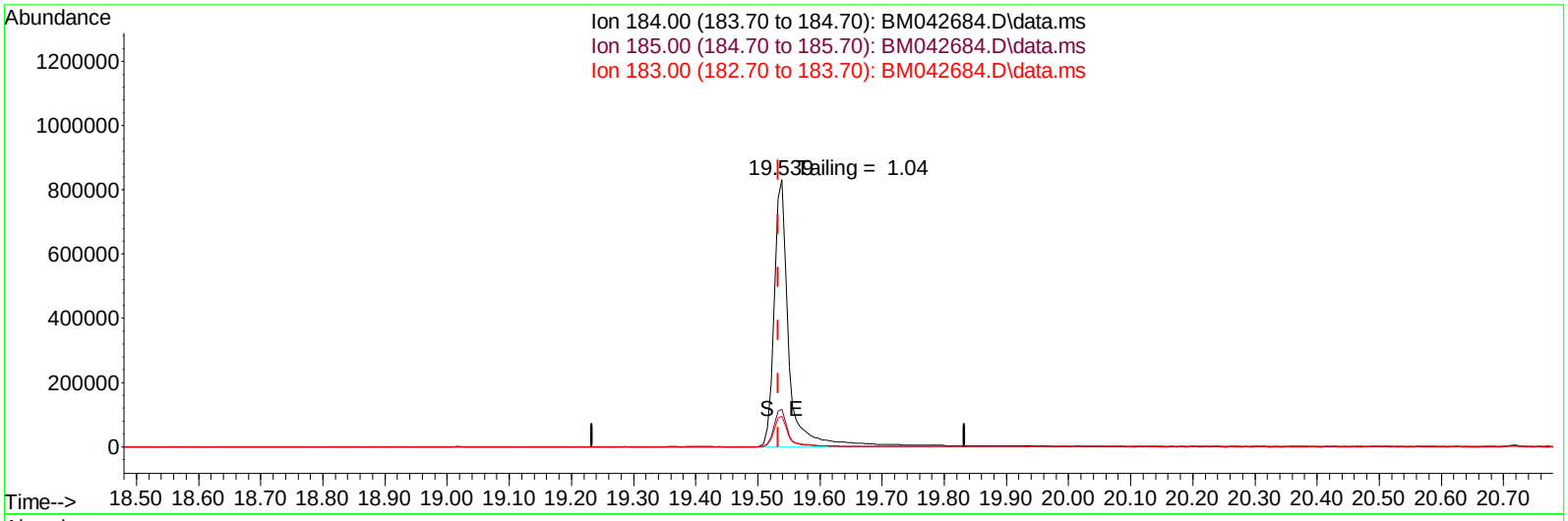
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.60	64.83
264.00	61.80	64.50
0.00	0.00	0.00

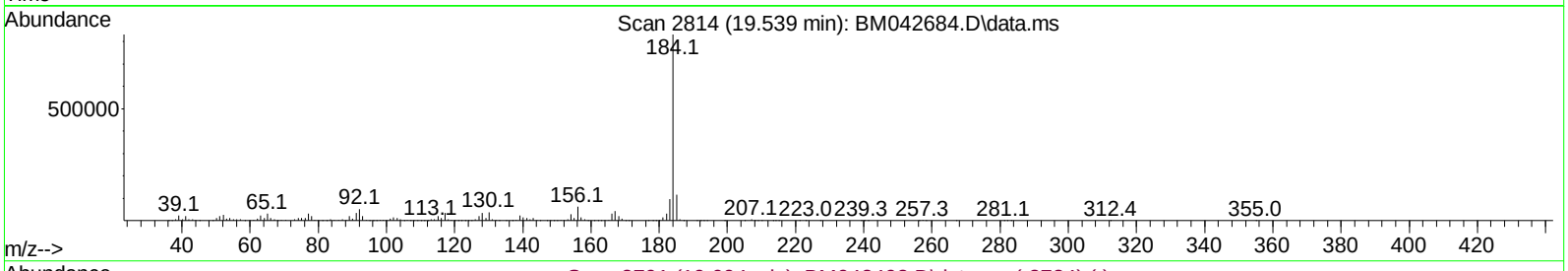
Sample Results: **BM042684.D**

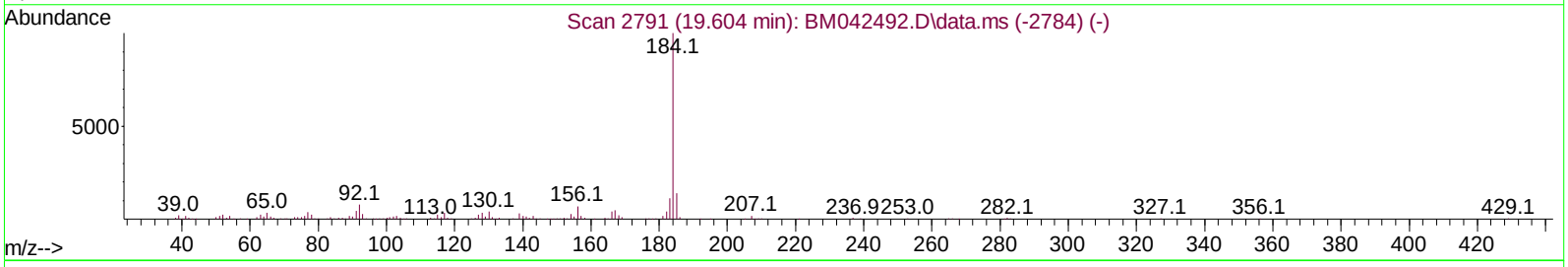
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111023\
Data File : BM042684.D
Acq On : 10 Nov 2023 10:10
Operator : MA/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Nov 10 23:40:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 09 13:21:00 2023
Response via : Initial Calibration







TIC: BM042684.D\data.ms

(77) Benzidine

19.539min (+ 0.006) 32333.73 ng

response 1369641

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.96
183.00	11.20	11.44
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/10/2023	BNA_M	BM042684.D
Compound Name	**Response**	**Retention Time**
DDT	908521	20.715
DDD	25750	20.28
DDE	359	19.768
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
26109	934630	2.79

Instrument :
BNA_M
ClientSampleId :
DFTPP

Raw Data: **BF136177.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	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
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.15	U	0.15	0.33	mg/Kg
108-95-2	Phenol	0.074	U	0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	0.090	U	0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	0.072	U	0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	0.11	U	0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.10	U	0.10	0.17	mg/Kg
98-86-2	Acetophenone	0.087	U	0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	0.11	U	0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	0.059	U	0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	0.074	U	0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	0.075	U	0.075	0.17	mg/Kg
78-59-1	Isophorone	0.068	U	0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	0.095	U	0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	0.100	U	0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	0.11	U	0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	0.078	U	0.078	0.17	mg/Kg
91-20-3	Naphthalene	0.081	U	0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	0.10	U	0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	0.084	U	0.084	0.17	mg/Kg
105-60-2	Caprolactam	0.12	U	0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	0.083	U	0.083	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.095	U	0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	0.21	U	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	0.077	U	0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	0.088	U	0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	0.091	U	0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	0.085	U	0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	0.099	U	0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	0.089	U	0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	0.088	U	0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	0.090	U	0.090	0.17	mg/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	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
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.093	U	0.093	0.17	mg/Kg
83-32-9	Acenaphthene	0.080	U	0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	0.18	U	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	0.11	U	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	0.077	U	0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	0.100	U	0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	0.086	U	0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	0.090	U	0.090	0.17	mg/Kg
86-73-7	Fluorene	0.085	U	0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	0.10	U	0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.088	U	0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	0.093	U	0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	0.097	U	0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	0.099	U	0.099	0.17	mg/Kg
1912-24-9	Atrazine	0.095	U	0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	0.11	U	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	0.093	U	0.093	0.17	mg/Kg
120-12-7	Anthracene	0.10	U	0.10	0.17	mg/Kg
86-74-8	Carbazole	0.085	U	0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	0.10	U	0.10	0.17	mg/Kg
206-44-0	Fluoranthene	0.094	U	0.094	0.17	mg/Kg
129-00-0	Pyrene	0.084	U	0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	0.10	U	0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	0.16	U	0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	0.084	U	0.084	0.17	mg/Kg
218-01-9	Chrysene	0.087	U	0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	0.11	U	0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	0.12	U	0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.080	U	0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.088	U	0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.094	U	0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	U	0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.097	U	0.097	0.17	mg/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	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
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.093	U	0.093	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	0.089	U	0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	0.12	U	0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	0.083	U	0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	125		30 (15) - 130 (107)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 (10) - 130 (110)	87%	SPK: 150
1718-51-0	Terphenyl-d14	84.9		30 (14) - 130 (112)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	92000	6.816			
1146-65-2	Naphthalene-d8	368000	8.098			
15067-26-2	Acenaphthene-d10	189000	9.857			
1517-22-2	Phenanthrene-d10	342000	11.351			
1719-03-5	Chrysene-d12	196000	14.004			
1520-96-3	Perylene-d12	181000	15.492			
TENTATIVE IDENTIFIED COMPOUNDS						
000556-71-8	Cyclononasiloxane, octadecamethyl-	160	J		14.5	ug/Kg
000107-52-8	Hexasiloxane, tetradecamethyl-	300	J		14.9	ug/Kg
	unknown15.351	370	J		15.4	ug/Kg
	unknown15.880	380	J		15.9	ug/Kg
	unknown16.510	350	J		16.5	ug/Kg
	unknown17.274	300	J		17.3	ug/Kg
000556-70-7	1,1,1,3,3,5,5,7,7,9,9,11,11,13,13,	280	J		18.2	ug/Kg

Raw Data: **BF136177.D**

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BL	SDG No.:	O5252
Lab Sample ID:	PB156921BL	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
BF136177.D	1	11/06/23 09:48	11/07/23 15:47	PB156921

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\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

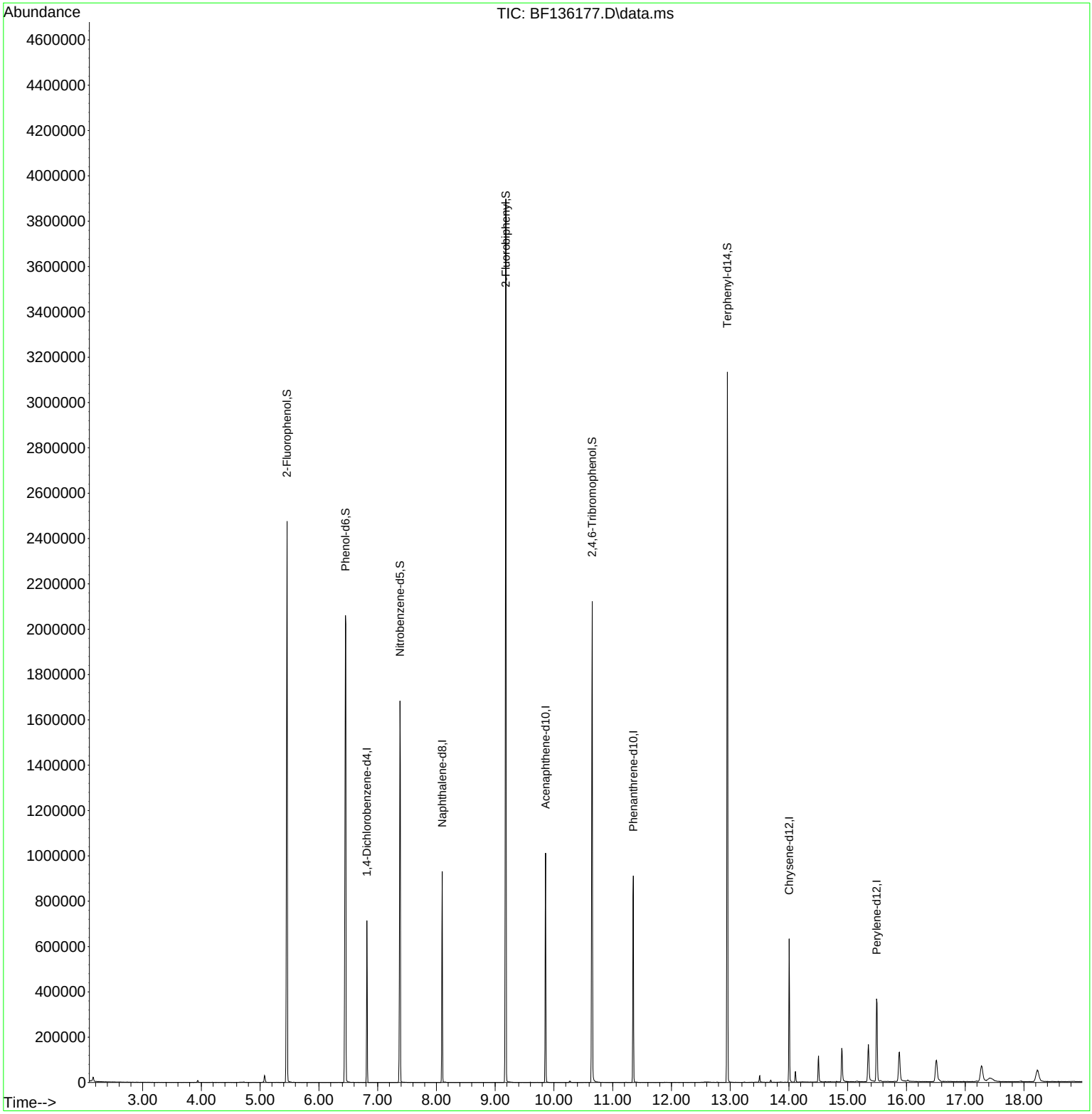
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	92028	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	367949	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	188969	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	341560	20.000	ng	0.00
76) Chrysene-d12	14.004	240	196372	20.000	ng	0.00
86) Perylene-d12	15.492	264	181071	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	725672	125.554	ng	0.01
7) Phenol-d6	6.451	99	891315	125.322	ng	0.00
23) Nitrobenzene-d5	7.381	82	571281	86.641	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	259719	131.228	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1087912	85.101	ng	0.00
79) Terphenyl-d14	12.951	244	1174267	84.882	ng	0.00
Target Compounds						Qvalue

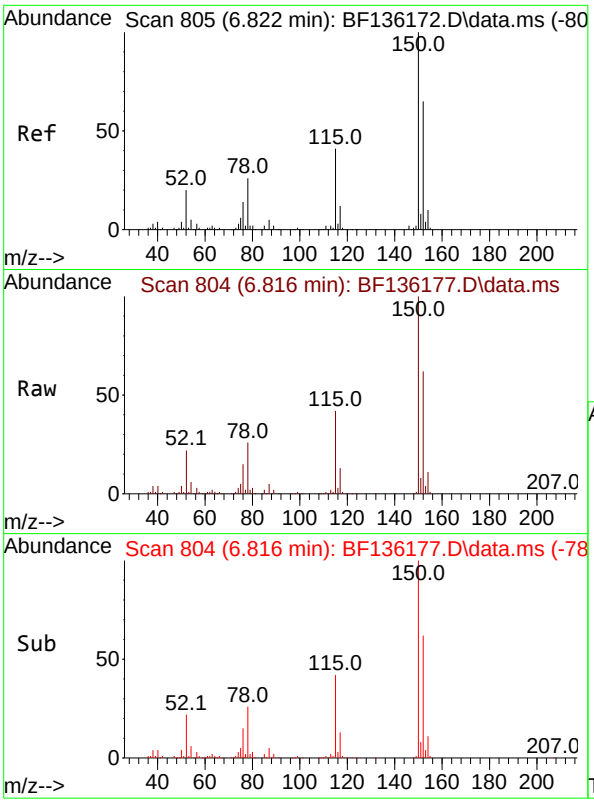
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Time: Nov 08 02:57:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration



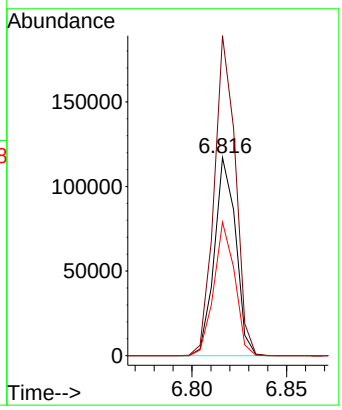


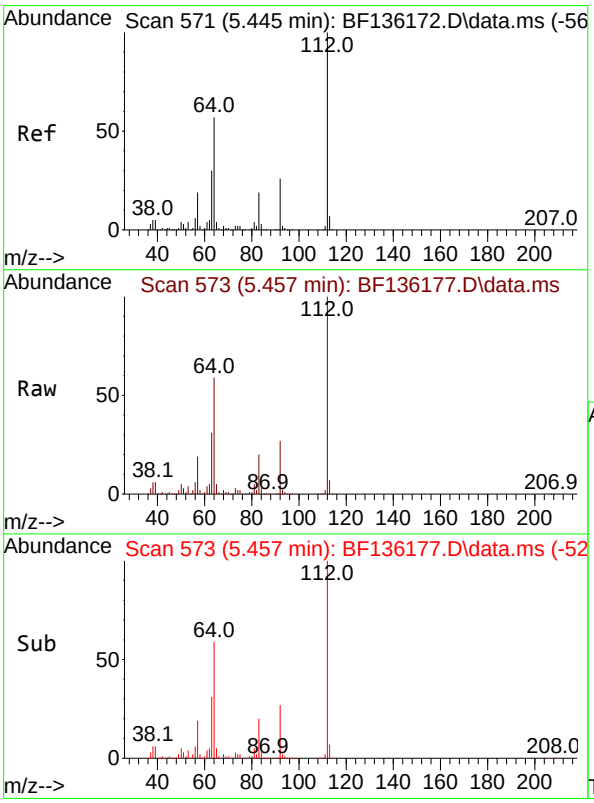
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:152 Resp: 92028

Ion	Ratio	Lower	Upper
152	100		
150	161.6	123.1	184.7
115	67.4	50.5	75.7

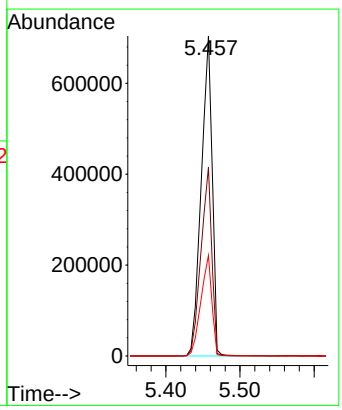


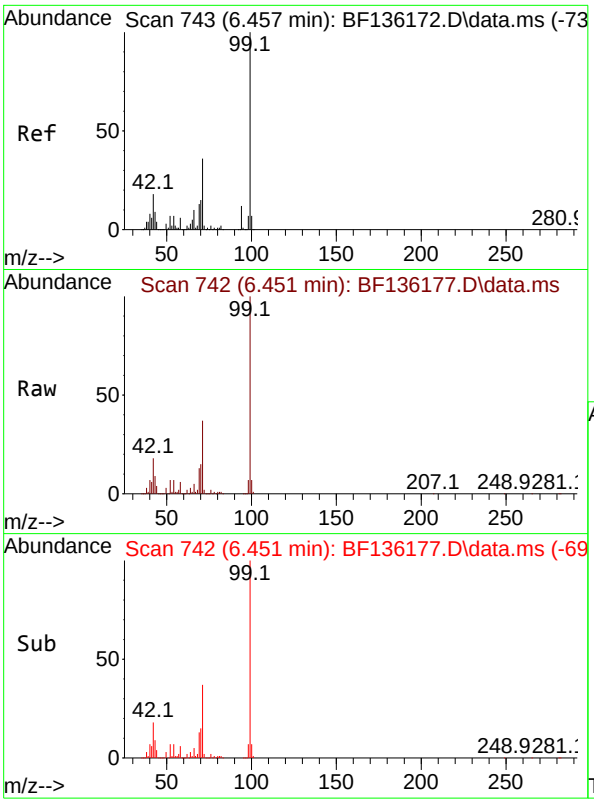


#5
2-Fluorophenol
Concen: 125.554 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:112 Resp: 725672

Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.4	68.0
63	31.4	24.4	36.6



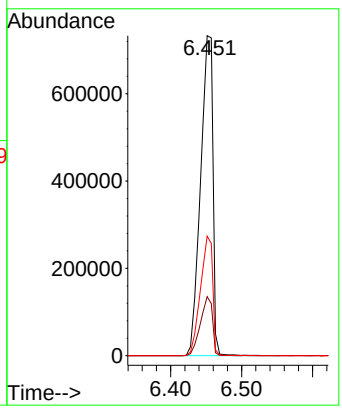


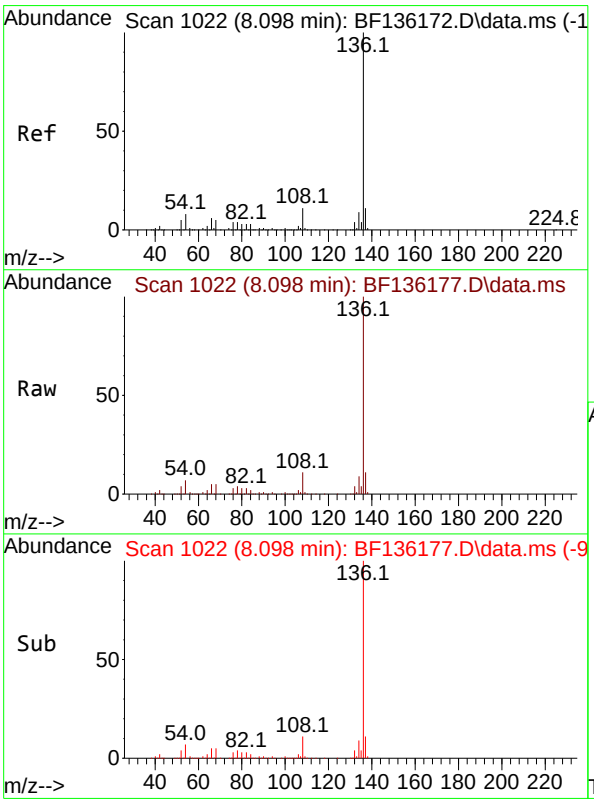
#7
Phenol-d6
Concen: 125.322 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 99 Resp: 891315

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.1	21.1
71	37.3	29.0	43.4

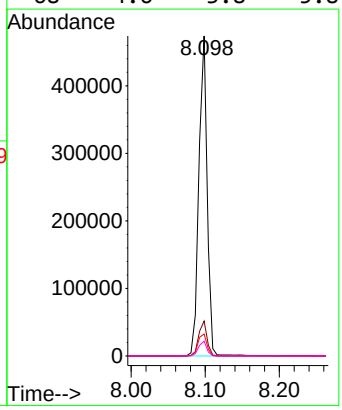


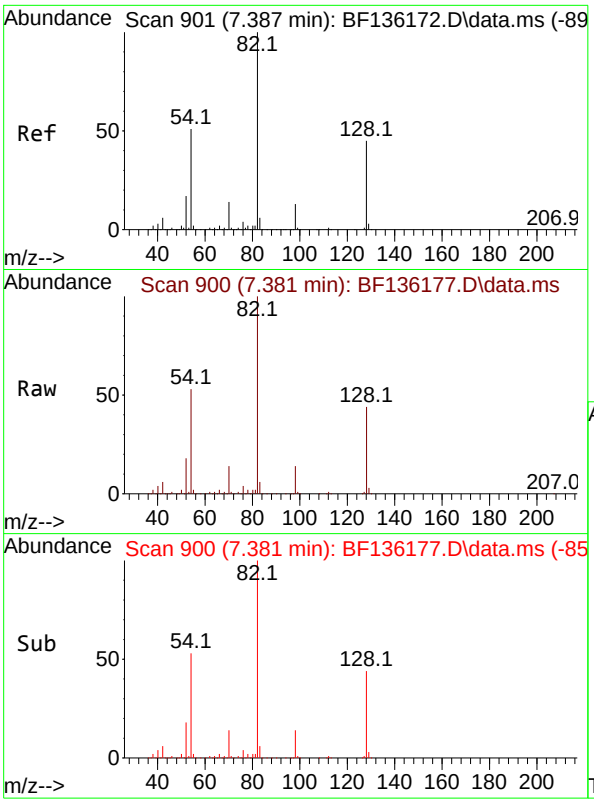


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:136 Resp: 367949

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.9	6.3	9.5
68	4.6	3.8	5.8



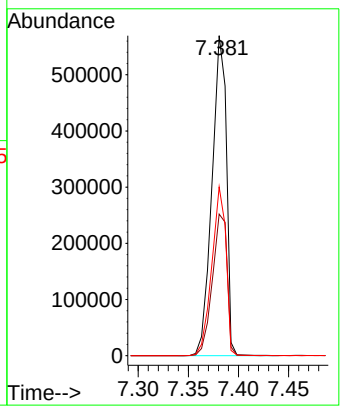


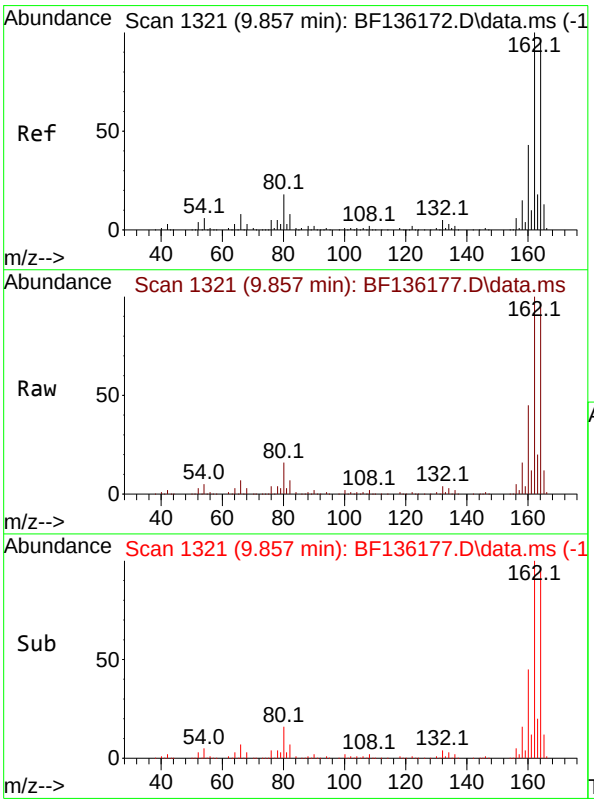
#23
Nitrobenzene-d5
Concen: 86.641 ng
RT: 7.381 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion: 82 Resp: 571281

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.8	53.6
54	52.8	40.6	60.8

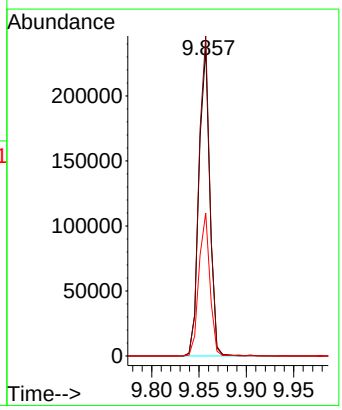


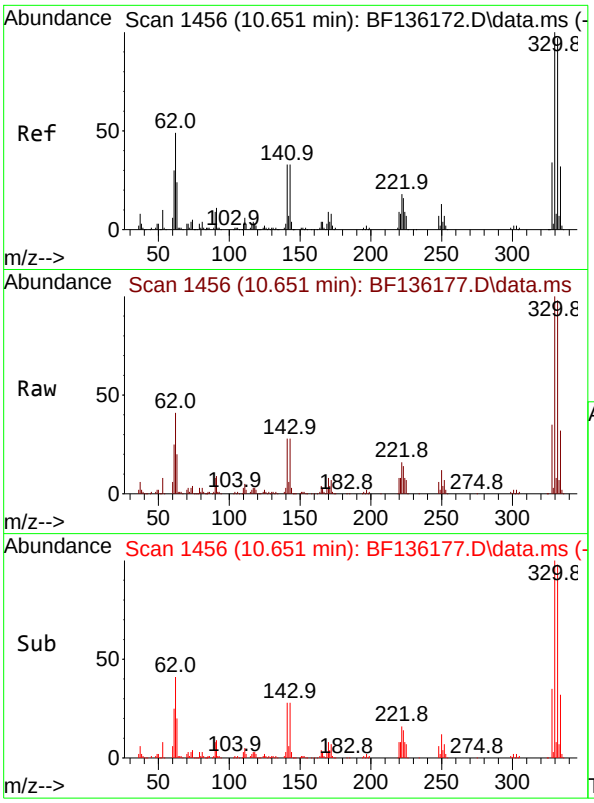


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:164 Resp: 188969

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.2	124.8
160	46.5	35.8	53.8



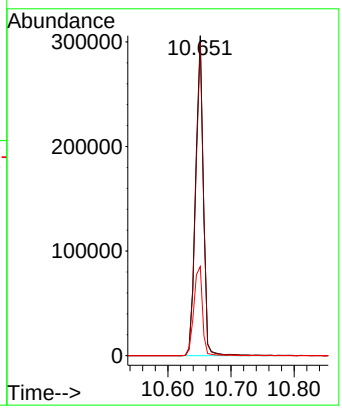


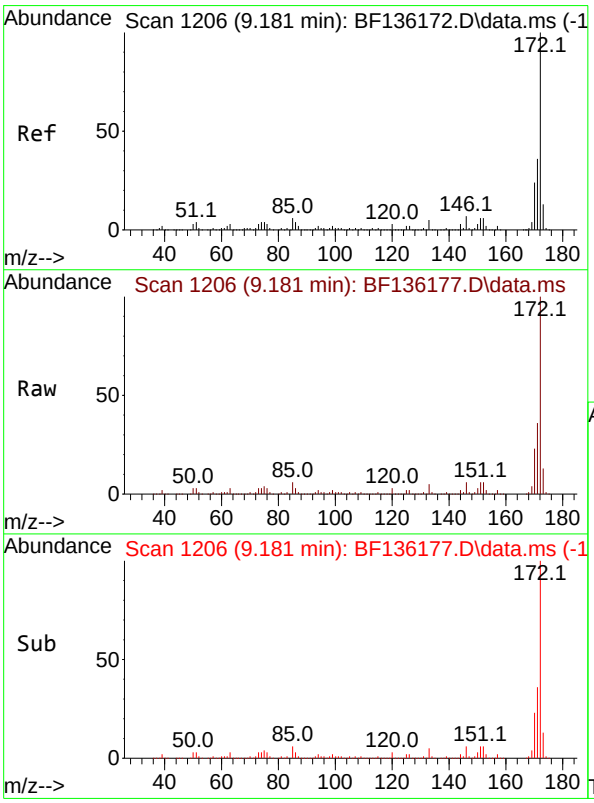
#42
2,4,6-Tribromophenol
Concen: 131.228 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:330 Resp: 259719

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.6	116.4
141	31.1	25.8	38.6

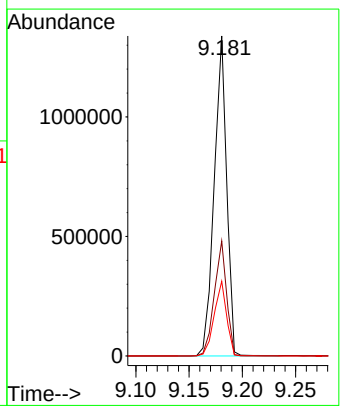


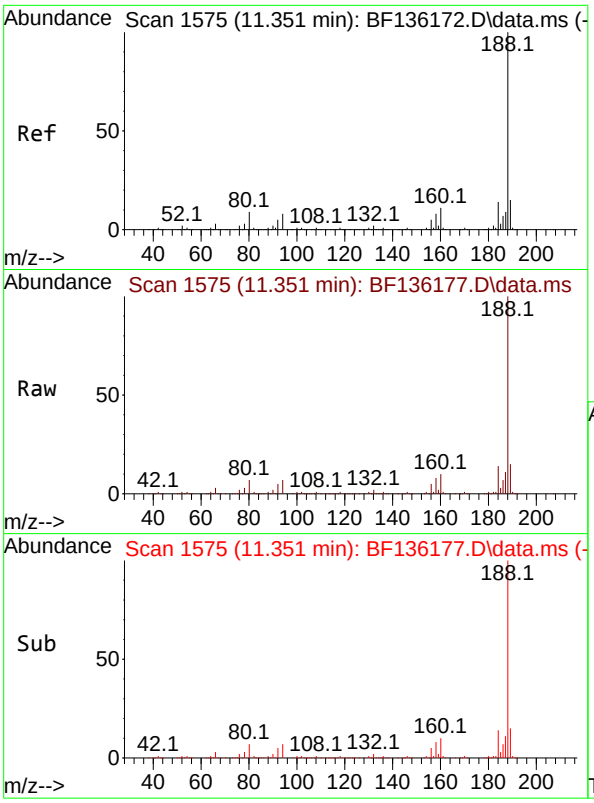


#45
2-Fluorobiphenyl
Concen: 85.101 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:172 Resp: 1087912

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.4	19.1	28.7



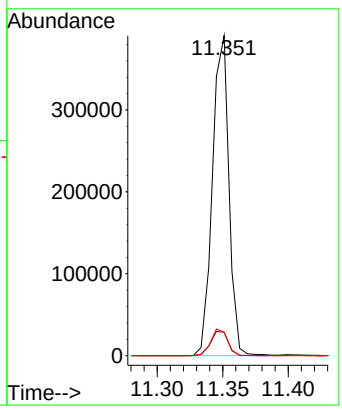


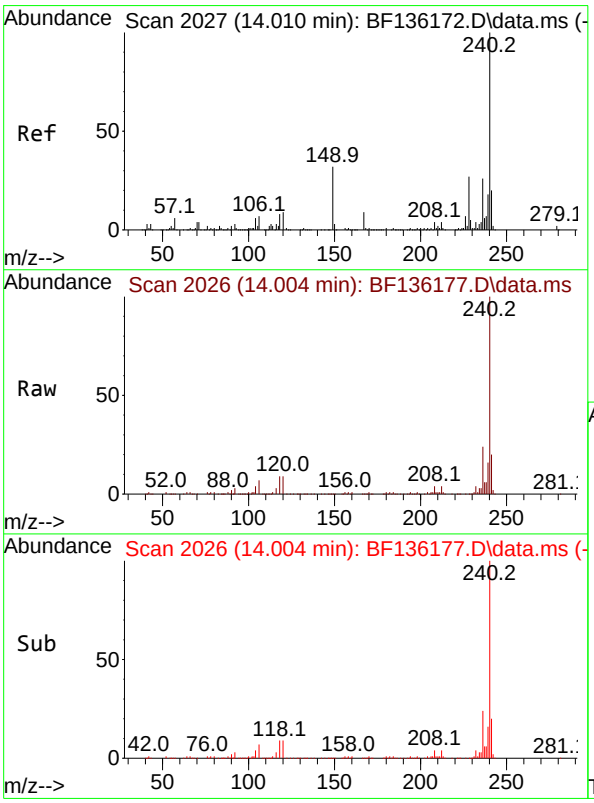
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:188 Resp: 341560

Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.6	9.8
80	7.3	7.3	10.9

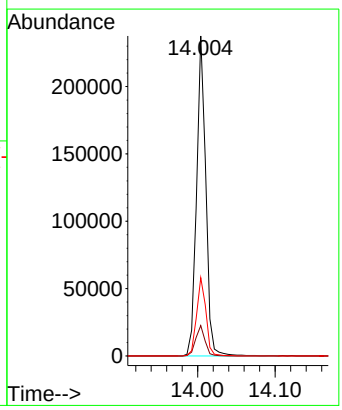


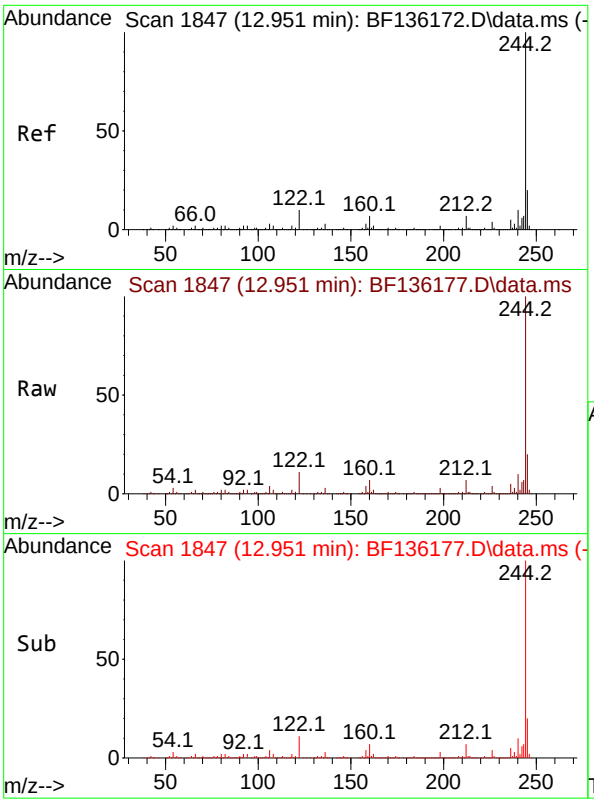


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:240 Resp: 196372

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.1	10.7
236	24.4	20.9	31.3



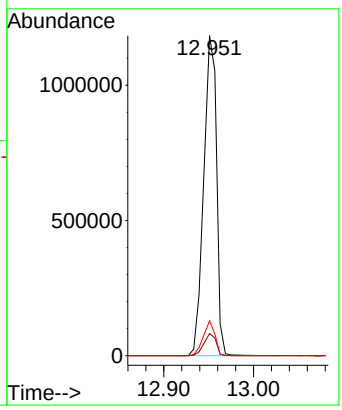


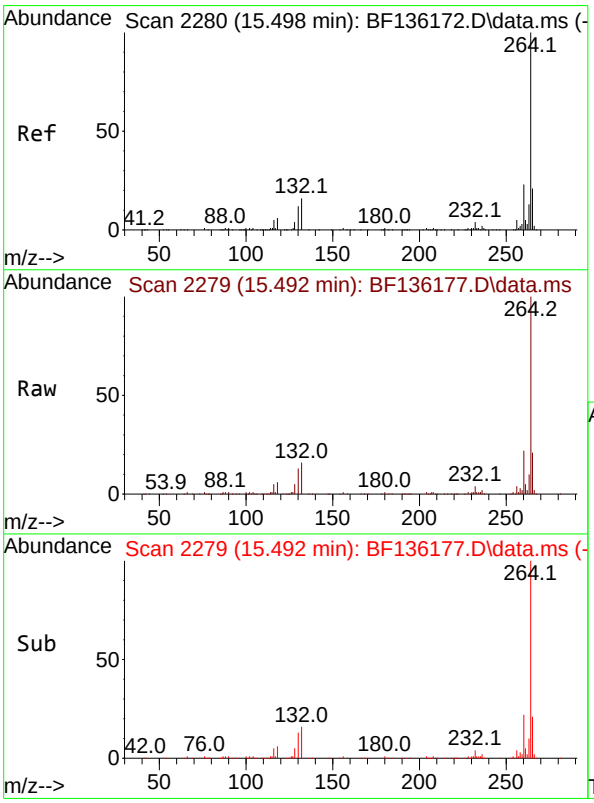
#79
Terphenyl-d14
Concen: 84.882 ng
RT: 12.951 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Tgt Ion:244 Resp: 1174267

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.9	8.1	12.1

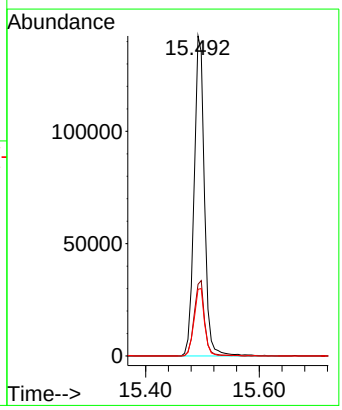




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF136177.D
Acq: 07 Nov 2023 15:47

Tgt Ion:264 Resp: 181071

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	20.9	16.9	25.3



Sample Results: **BF136177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

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-BF110723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136177.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.075	505	508	514	rVB	29719	37645	1.20%	0.187%
2	5.457	567	573	576	rBV	2475270	2518207	80.40%	12.480%
3	6.451	736	742	745	rBV	2061583	2504493	79.96%	12.412%
4	6.816	801	804	808	rVB	714301	550560	17.58%	2.728%
5	7.381	895	900	903	rBV	1683536	1676448	53.53%	8.308%
6	8.098	1018	1022	1025	rBV	930985	722778	23.08%	3.582%
7	9.181	1201	1206	1209	rBV	3898505	3131990	100.00%	15.522%
8	9.857	1317	1321	1324	rBV	1011857	815673	26.04%	4.042%
9	10.651	1451	1456	1459	rBV	2121964	1890463	60.36%	9.369%
10	11.351	1571	1575	1578	rBV	911897	806669	25.76%	3.998%
11	12.951	1843	1847	1850	rBV	3133229	3012309	96.18%	14.929%
12	14.004	2022	2026	2030	rBV	632736	523517	16.72%	2.594%
13	14.110	2040	2044	2048	rBV2	47245	46288	1.48%	0.229%
14	14.504	2107	2111	2118	rBV	115713	125070	3.99%	0.620%
15	14.898	2173	2178	2189	rBV	148693	205416	6.56%	1.018%
16	15.351	2249	2255	2267	rBV	163819	254262	8.12%	1.260%
17	15.492	2274	2279	2288	rBV	364096	454708	14.52%	2.253%
18	15.880	2337	2345	2358	rBV2	129281	261132	8.34%	1.294%
19	16.510	2443	2452	2468	rBV3	94759	241779	7.72%	1.198%
20	17.274	2573	2582	2594	rBV4	68296	205070	6.55%	1.016%
21	18.227	2732	2744	2762	rBV5	50675	193698	6.18%	0.960%

Sum of corrected areas: 20178175

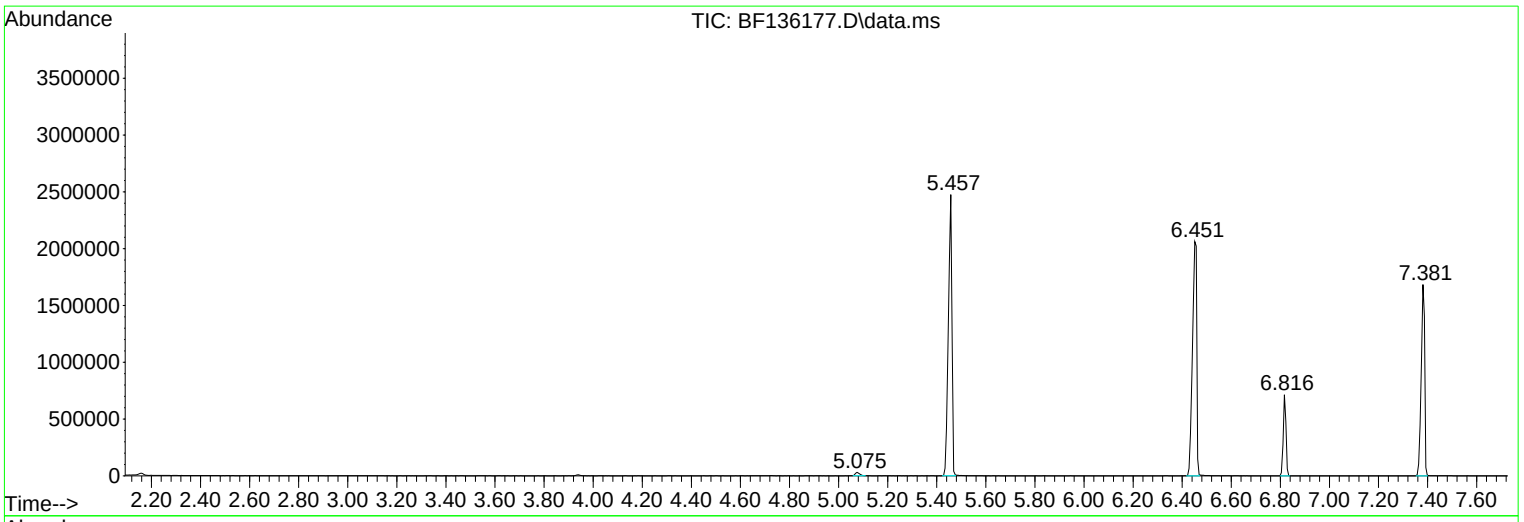
Sample Results: **BF136177.D**

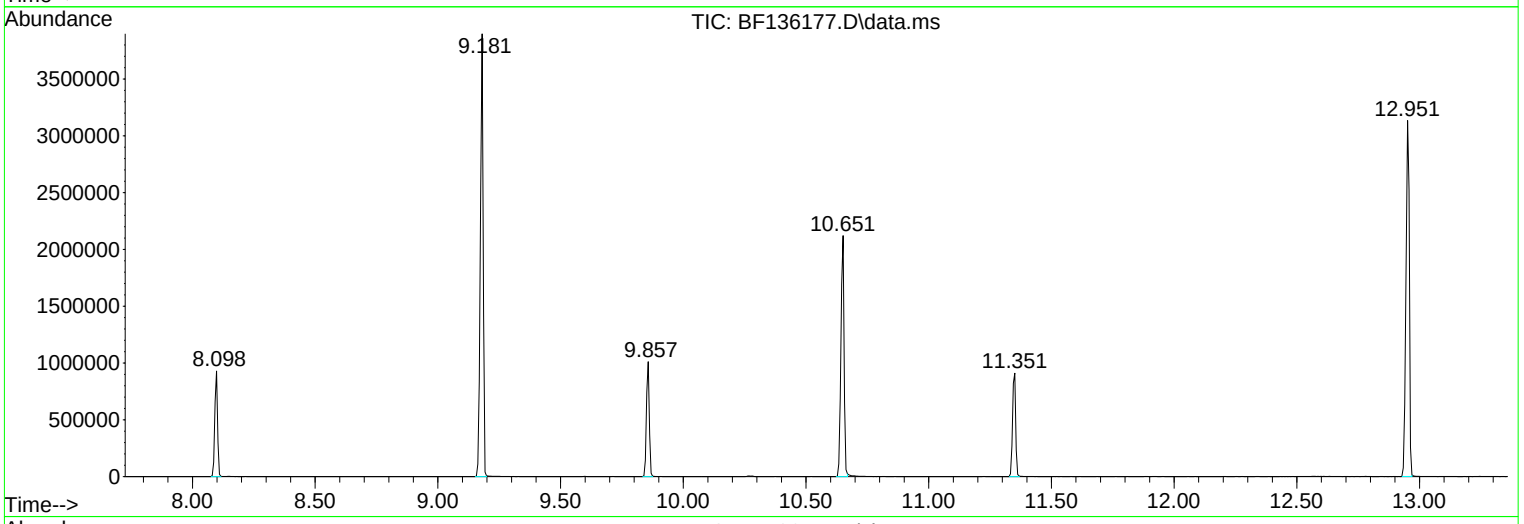
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

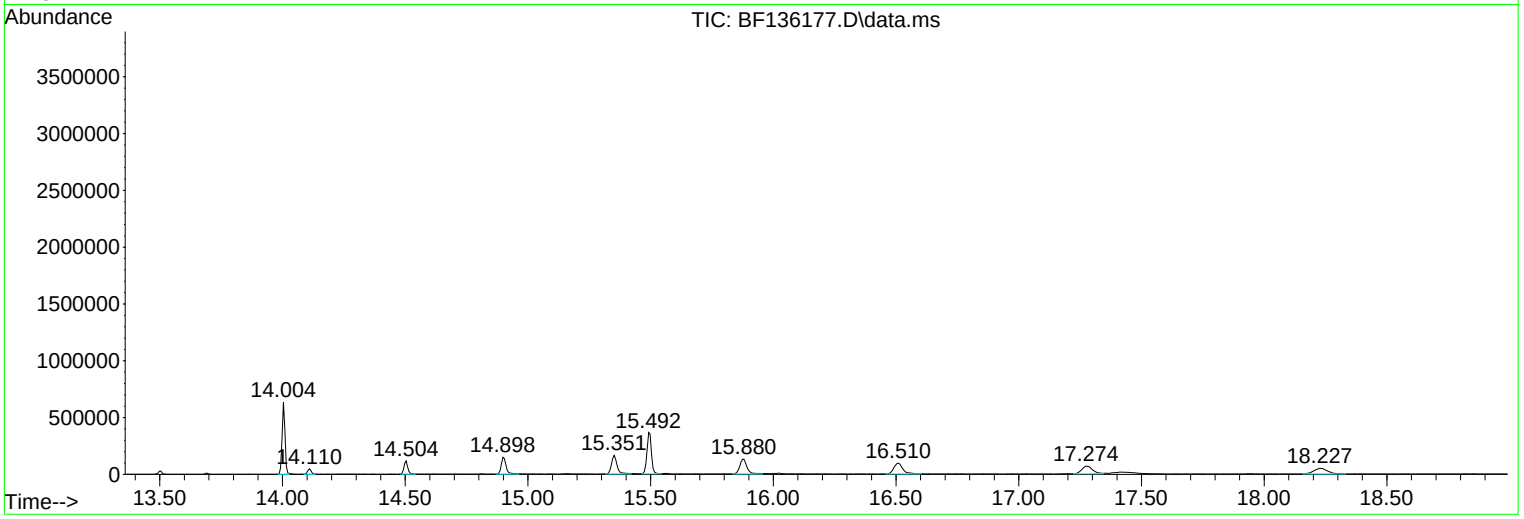
Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.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\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

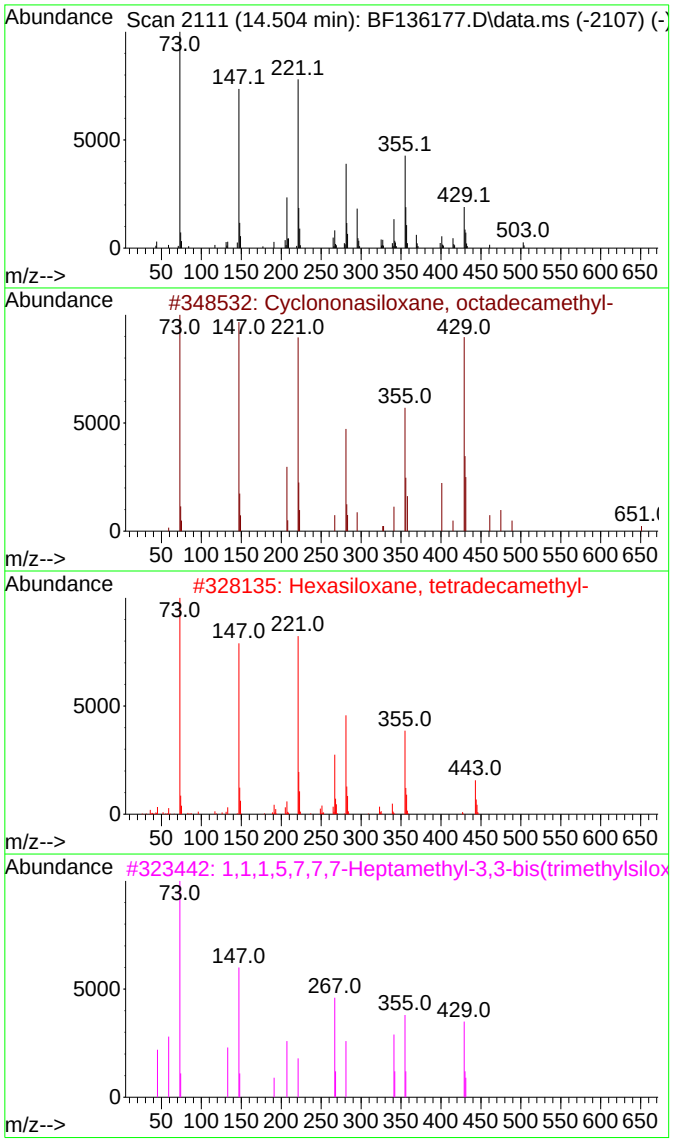
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

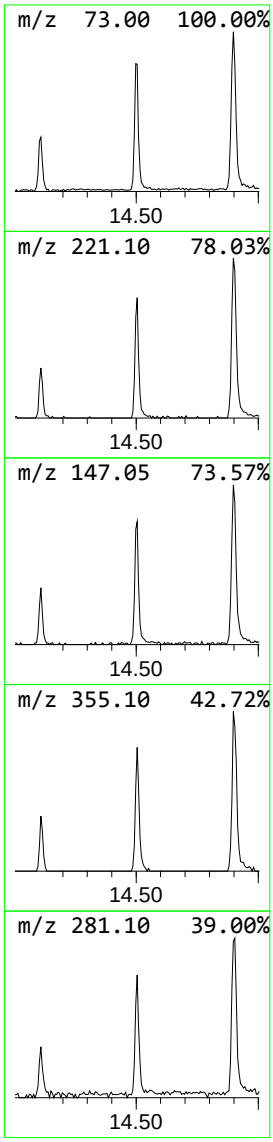
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclononasiloxane, octadeca... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	4.78 ng	125070	Chrysene-d12	14.004

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	87
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
3	1,1,1,5,7,7,7-Heptamethyl-3,3-bi...	444	C13H40O5Si6	038147-00-1	37
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

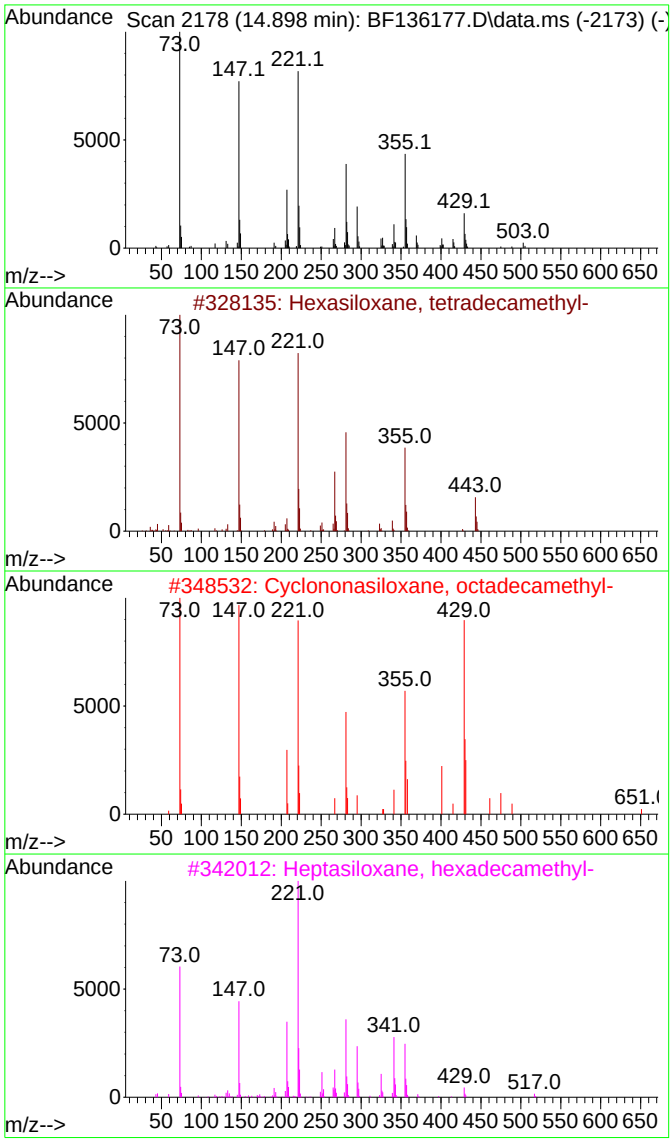
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

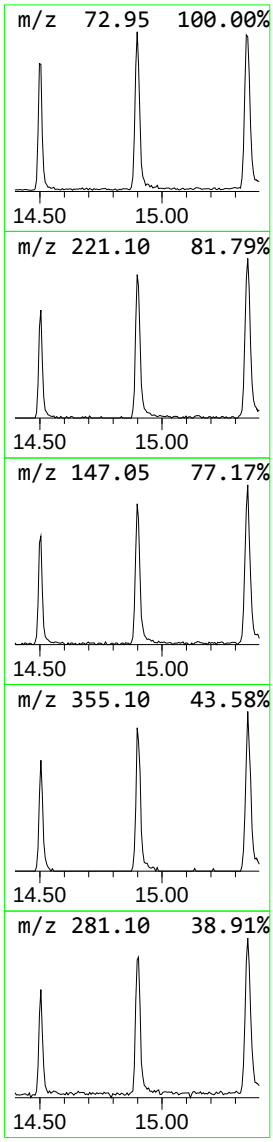
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexasiloxane, tetradecamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	9.04 ng	205416	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	83
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	58
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	47
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

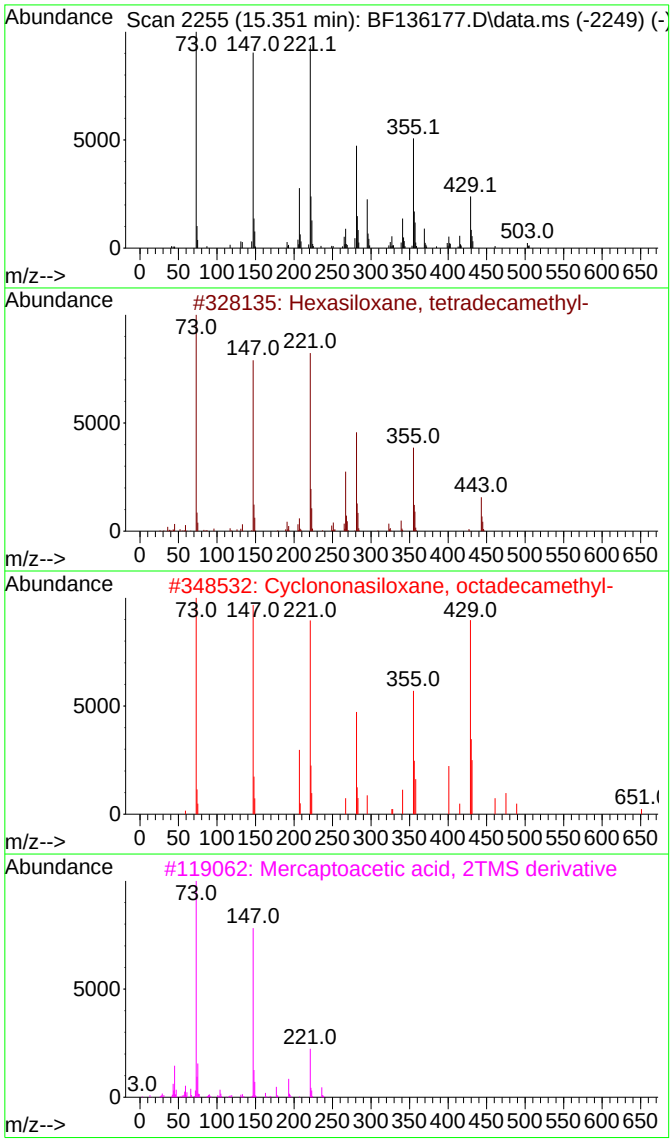
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

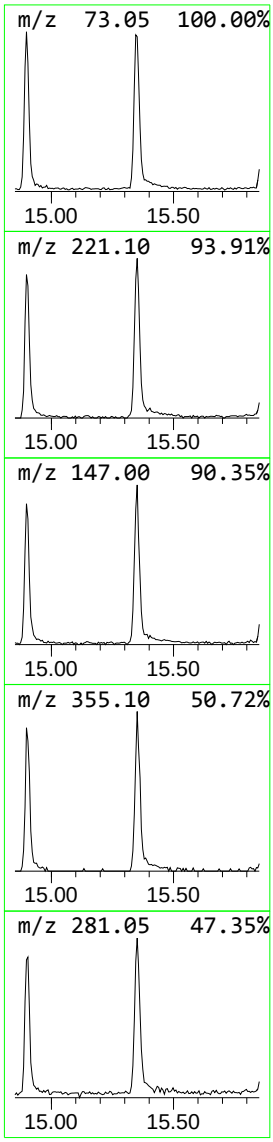
****

Peak Number 3 unknown15.351 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	11.18 ng	254262	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	87
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	80
3	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	37
5	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

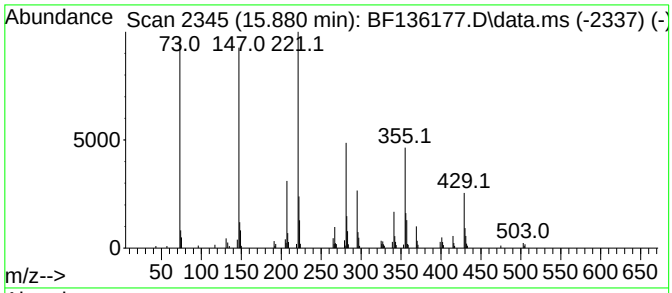
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

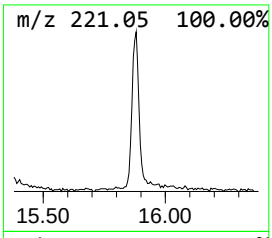
****

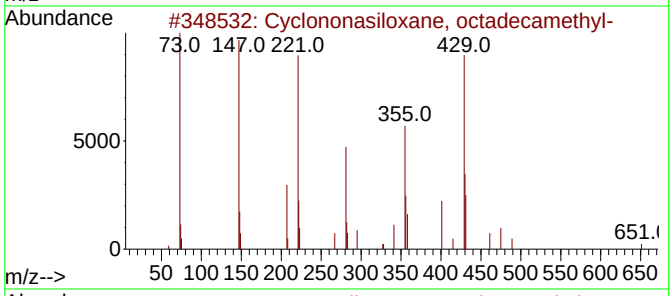
Peak Number 4 unknown15.880 Concentration Rank 1

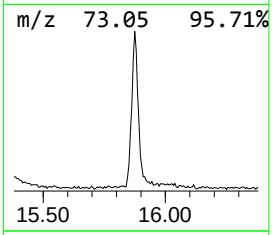
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.880	11.49 ng	261132	Perylene-d12	15.492

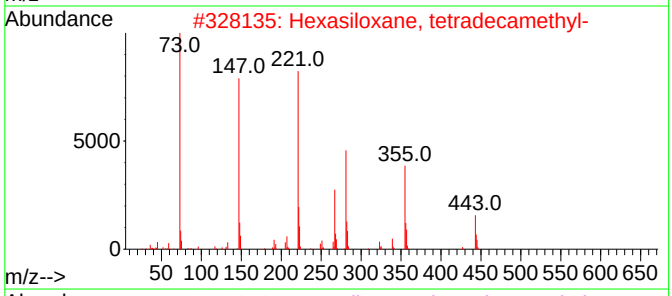
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	86
2	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	81
3	Heptasiloxane, hexadecamethyl-	532	C16H48O6Si7	000541-01-5	42
4	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	32
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25

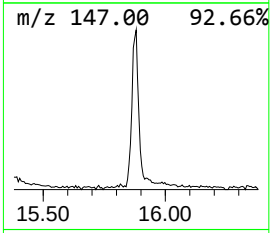


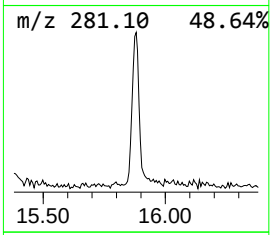


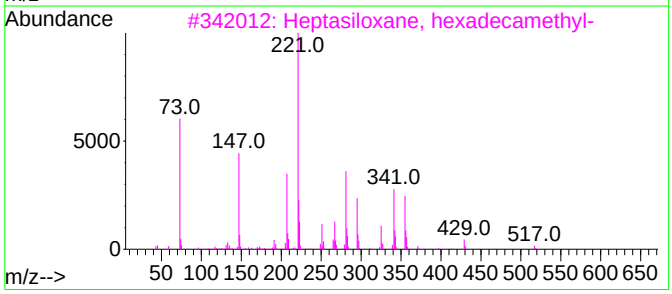


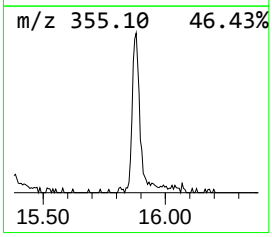












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

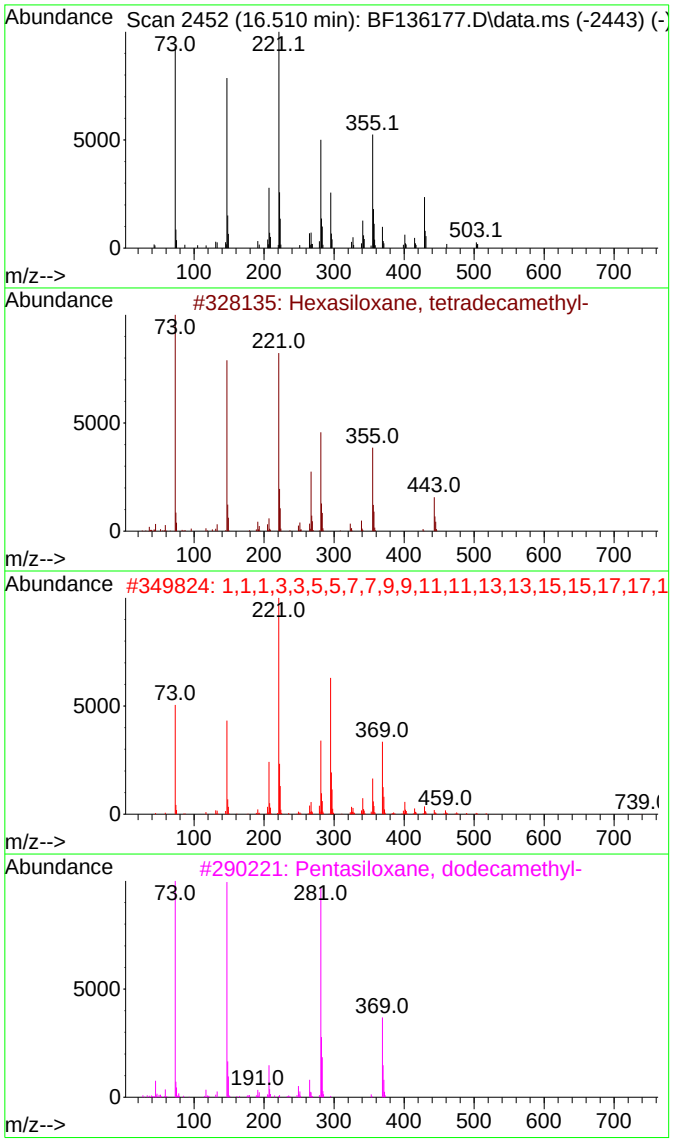
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

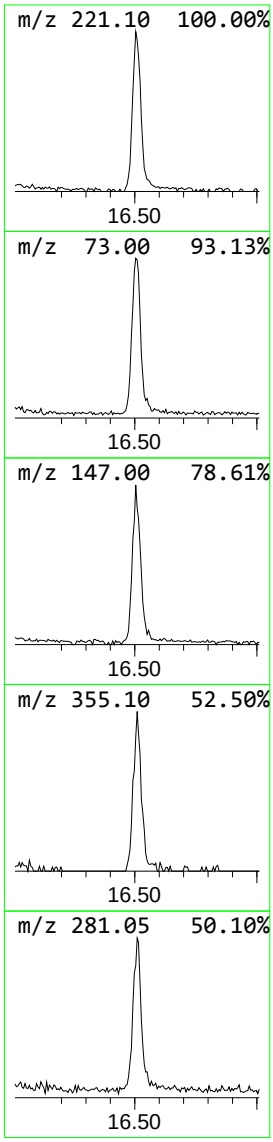
****

Peak Number 5 unknown16.510 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.510	10.63 ng	241779	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	83
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	49
3	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	38
4	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	680	C20H60O8Si9	002652-13-3	38
5	Mercaptoacetic acid, 2TMS deriva...	236	C8H20O2SSi2	006398-62-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

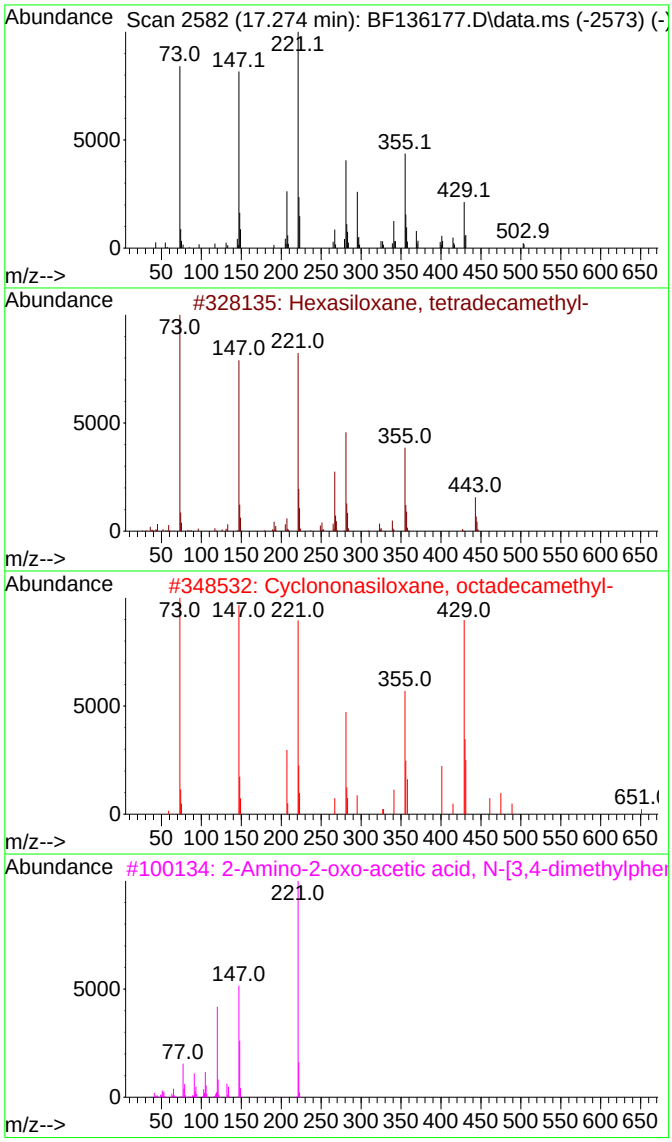
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

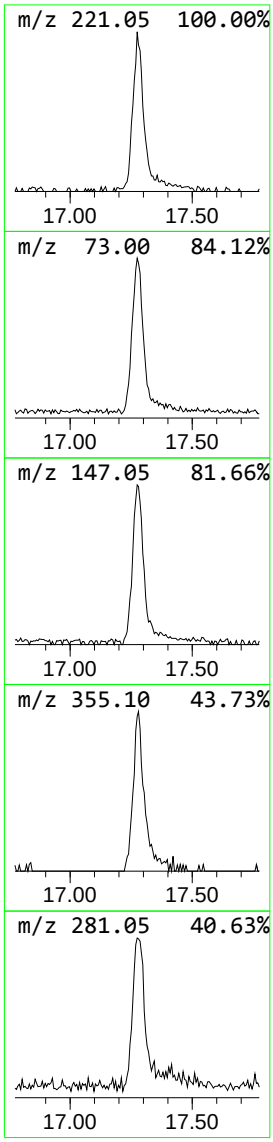
****

Peak Number 6 unknown17.274 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	9.02 ng	205070	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexasiloxane, tetradecamethyl-	458	C14H42O5Si6	000107-52-8	72
2	Cyclononasiloxane, octadecamethyl-	666	C18H54O9Si9	000556-71-8	58
3	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	37
4	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	37
5	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25





Sample Results: **BF136177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

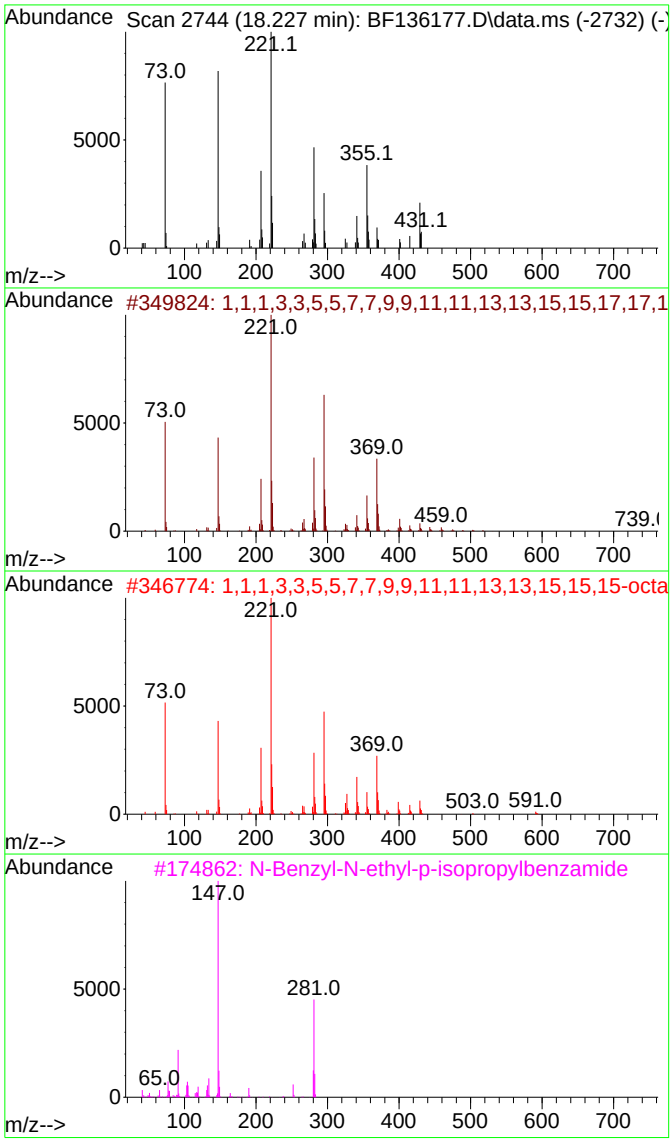
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

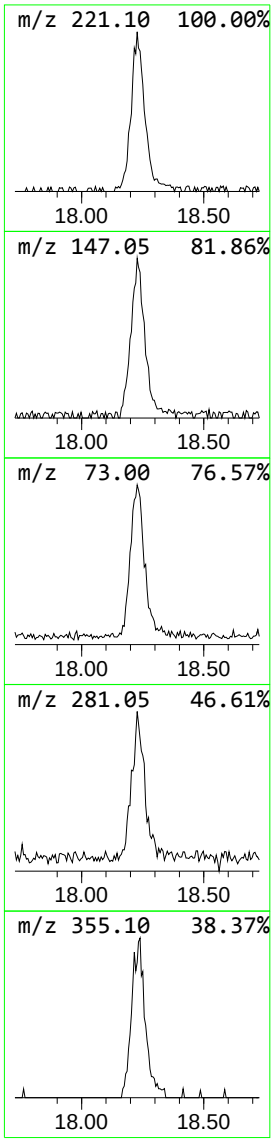
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,1,1,3,3,5,5,7,7,9,9,11,11... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	8.52 ng	193698	Perylene-d12	15.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	754	C22H66O9Si10	000556-70-7	50
2	1,1,1,3,3,5,5,7,7,9,9,11,11,13,1...	606	C18H54O7Si8	000556-69-4	38
3	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	25
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	22
5	3-Isopropoxy-1,1,1,7,7,7-hexamet...	576	C18H52O7Si7	071579-69-6	16





Sample Results: **BF136177.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136177.D
Acq On : 07 Nov 2023 15:47
Operator : CG\JU
Sample : PB156921BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB156921BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclononasiloxa...	14.504	4.8	ng	125070	5	14.004	523517	20.0
Hexasiloxane, t...	14.898	9.0	ng	205416	6	15.492	454708	20.0
unknown15.351	15.351	11.2	ng	254262	6	15.492	454708	20.0
unknown15.880	15.880	11.5	ng	261132	6	15.492	454708	20.0
unknown16.510	16.510	10.6	ng	241779	6	15.492	454708	20.0
unknown17.274	17.274	9.0	ng	205070	6	15.492	454708	20.0
1,1,1,3,3,5,5,7...	18.227	8.5	ng	193698	6	15.492	454708	20.0

Raw Data: **BF136178.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.71		0.15	0.33	mg/Kg
108-95-2	Phenol	1.40		0.074	0.17	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.50		0.090	0.17	mg/Kg
95-57-8	2-Chlorophenol	1.50		0.072	0.17	mg/Kg
95-48-7	2-Methylphenol	1.40		0.11	0.17	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.50		0.10	0.17	mg/Kg
98-86-2	Acetophenone	1.50		0.087	0.17	mg/Kg
65794-96-9	3+4-Methylphenols	1.40		0.11	0.33	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.50		0.059	0.080	mg/Kg
67-72-1	Hexachloroethane	1.50		0.074	0.17	mg/Kg
98-95-3	Nitrobenzene	1.40		0.075	0.17	mg/Kg
78-59-1	Isophorone	1.50		0.068	0.17	mg/Kg
88-75-5	2-Nitrophenol	1.50		0.095	0.17	mg/Kg
105-67-9	2,4-Dimethylphenol	1.50		0.100	0.17	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.50		0.11	0.17	mg/Kg
120-83-2	2,4-Dichlorophenol	1.50		0.078	0.17	mg/Kg
91-20-3	Naphthalene	1.40		0.081	0.17	mg/Kg
106-47-8	4-Chloroaniline	1.00		0.10	0.17	mg/Kg
87-68-3	Hexachlorobutadiene	1.50		0.084	0.17	mg/Kg
105-60-2	Caprolactam	1.60		0.12	0.33	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.50		0.082	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.40		0.095	0.17	mg/Kg
77-47-4	Hexachlorocyclopentadiene	3.10	E	0.21	0.33	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.40		0.077	0.17	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.40		0.088	0.17	mg/Kg
92-52-4	1,1-Biphenyl	1.40		0.091	0.17	mg/Kg
91-58-7	2-Chloronaphthalene	1.40		0.085	0.17	mg/Kg
88-74-4	2-Nitroaniline	1.50		0.099	0.17	mg/Kg
131-11-3	Dimethylphthalate	1.40		0.089	0.17	mg/Kg
208-96-8	Acenaphthylene	1.40		0.088	0.17	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.50		0.090	0.17	mg/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	1.20		0.093	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.080	0.17	mg/Kg
51-28-5	2,4-Dinitrophenol	2.90	E	0.18	0.33	mg/Kg
100-02-7	4-Nitrophenol	3.10	E	0.11	0.33	mg/Kg
132-64-9	Dibenzofuran	1.40		0.077	0.17	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.60		0.100	0.17	mg/Kg
84-66-2	Diethylphthalate	1.40		0.086	0.17	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.40		0.090	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.085	0.17	mg/Kg
100-01-6	4-Nitroaniline	1.50		0.10	0.17	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1.50		0.088	0.33	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.40		0.093	0.17	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.40		0.097	0.17	mg/Kg
118-74-1	Hexachlorobenzene	1.60		0.099	0.17	mg/Kg
1912-24-9	Atrazine	1.20		0.095	0.17	mg/Kg
87-86-5	Pentachlorophenol	2.80	E	0.11	0.33	mg/Kg
85-01-8	Phenanthrene	1.50		0.093	0.17	mg/Kg
120-12-7	Anthracene	1.40		0.10	0.17	mg/Kg
86-74-8	Carbazole	1.50		0.085	0.17	mg/Kg
84-74-2	Di-n-butylphthalate	1.50		0.10	0.17	mg/Kg
206-44-0	Fluoranthene	1.50		0.094	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.084	0.17	mg/Kg
85-68-7	Butylbenzylphthalate	1.50		0.10	0.17	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.50		0.16	0.33	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.084	0.17	mg/Kg
218-01-9	Chrysene	1.40		0.087	0.17	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.50		0.11	0.17	mg/Kg
117-84-0	Di-n-octyl phthalate	1.50		0.12	0.33	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.080	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.088	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.094	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.11	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.096	0.17	mg/Kg

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Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	
Project:	245 Greenwood Ave	Date Received:	
Client Sample ID:	PB156921BS	SDG No.:	O5252
Lab Sample ID:	PB156921BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF136178.D	1	11/06/23 09:48	11/07/23 16:18	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	1.50		0.092	0.17	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40		0.089	0.17	mg/Kg
123-91-1	1,4-Dioxane	1.30		0.12	0.17	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.50		0.083	0.17	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		30 (18) - 130 (112)	85%	SPK: 150
13127-88-3	Phenol-d6	124		30 (15) - 130 (107)	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.1		30 (18) - 130 (107)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		30 (10) - 130 (110)	88%	SPK: 150
1718-51-0	Terphenyl-d14	84.2		30 (14) - 130 (112)	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	87700	6.822			
1146-65-2	Naphthalene-d8	352000	8.104			
15067-26-2	Acenaphthene-d10	189000	9.863			
1517-22-2	Phenanthrene-d10	332000	11.351			
1719-03-5	Chrysene-d12	172000	14.01			
1520-96-3	Perylene-d12	180000	15.498			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF136178.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	87663	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	351885	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	189065	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	332026	20.000	ng	0.00
76) Chrysene-d12	14.010	240	171609	20.000	ng	0.00
86) Perylene-d12	15.498	264	179783	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	699534	127.058	ng	0.01
7) Phenol-d6	6.457	99	843094	124.445	ng	0.00
23) Nitrobenzene-d5	7.386	82	517686	82.096	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	260670	131.641	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1007868	78.800	ng	0.00
79) Terphenyl-d14	12.957	244	1017671	84.177	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.651	88	86029	39.020	ng	99
3) Pyridine	3.404	79	187528	31.656	ng	96
4) n-Nitrosodimethylamine	3.369	42	119295	43.904	ng	97
6) Aniline	6.486	93	284166	33.094	ng	100
8) 2-Chlorophenol	6.604	128	263978	44.540	ng	99
9) Benzaldehyde	6.369	77	83750	21.382	ng	96
10) Phenol	6.475	94	314329	42.484	ng	87
11) bis(2-Chloroethyl)ether	6.563	93	237170	43.615	ng	100
12) 1,3-Dichlorobenzene	6.763	146	275301	44.035	ng	99
13) 1,4-Dichlorobenzene	6.839	146	278837	44.480	ng	99
14) 1,2-Dichlorobenzene	6.986	146	262876	44.613	ng	98
15) Benzyl Alcohol	6.963	79	219560	43.332	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	323044	45.474	ng	99
17) 2-Methylphenol	7.075	107	202710	40.992	ng	97
18) Hexachloroethane	7.328	117	103497	45.240	ng	98
19) n-Nitroso-di-n-propyla...	7.239	70	171599	43.878	ng	96
20) 3+4-Methylphenols	7.228	107	257573	41.737	ng	97
22) Acetophenone	7.233	105	357605	44.017	ng	97
24) Nitrobenzene	7.404	77	264025	43.023	ng	99
25) Isophorone	7.639	82	480147	44.122	ng	100
26) 2-Nitrophenol	7.716	139	132849	44.665	ng	96
27) 2,4-Dimethylphenol	7.757	122	227244	45.485	ng	99
28) bis(2-Chloroethoxy)met...	7.857	93	288121	43.902	ng	99
29) 2,4-Dichlorophenol	7.957	162	216315	44.406	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	238325	43.939	ng	96
31) Naphthalene	8.128	128	739123	42.640	ng	100
32) Benzoic acid	7.880	122	152731	42.063	ng	91
33) 4-Chloroaniline	8.175	127	221744	30.842	ng	99
34) Hexachlorobutadiene	8.239	225	143861	43.631	ng	98
35) Caprolactam	8.545	113	67189m	47.636	ng	
36) 4-Chloro-3-methylphenol	8.657	107	231251	45.214	ng	98
37) 2-Methylnaphthalene	8.816	142	485378	41.763	ng	98
38) 1-Methylnaphthalene	8.916	142	451933	41.912	ng	100
40) 1,2,4,5-Tetrachloroben...	8.980	216	235075	41.487	ng	98
41) Hexachlorocyclopentadiene	8.969	237	271652	92.969	ng	98
43) 2,4,6-Trichlorophenol	9.092	196	153946	43.389	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	166967	40.849	ng		96
46) 1,1'-Biphenyl	9.286	154	618059	41.660	ng		98
47) 2-Chloronaphthalene	9.310	162	465700	42.946	ng		97
48) 2-Nitroaniline	9.404	65	144560	43.724	ng		88
49) Acenaphthylene	9.722	152	700951	41.877	ng		99
50) Dimethylphthalate	9.586	163	551973	43.210	ng		99
51) 2,6-Dinitrotoluene	9.651	165	121796	43.939	ng	#	86
52) Acenaphthene	9.898	154	522615m	46.877	ng		
53) 3-Nitroaniline	9.816	138	108904	36.849	ng		99
54) 2,4-Dinitrophenol	9.922	184	119485	87.821	ng		96
55) Dibenzofuran	10.069	168	652688	42.108	ng		98
56) 4-Nitrophenol	9.980	139	185297	94.349	ng		97
57) 2,4-Dinitrotoluene	10.051	165	164414	46.701	ng	#	87
58) Fluorene	10.416	166	502114	42.681	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.186	232	143432	46.300	ng		94
60) Diethylphthalate	10.292	149	545656	42.578	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	253580	42.402	ng		100
62) 4-Nitroaniline	10.433	138	119357	44.313	ng		90
63) Azobenzene	10.569	77	491704	43.852	ng		96
65) 4,6-Dinitro-2-methylph...	10.463	198	83357	44.047	ng		87
66) n-Nitrosodiphenylamine	10.527	169	454804	43.176	ng		98
67) 4-Bromophenyl-phenylether	10.898	248	159395	43.104	ng		95
68) Hexachlorobenzene	10.963	284	182851	46.575	ng	#	91
69) Atrazine	11.057	200	98176	36.789	ng		97
70) Pentachlorophenol	11.157	266	187241	85.275	ng		99
71) Phenanthrene	11.380	178	746009	43.876	ng		98
72) Anthracene	11.433	178	748752	43.142	ng		100
73) Carbazole	11.586	167	636458	45.765	ng		99
74) Di-n-butylphthalate	11.927	149	756343	45.972	ng		99
75) Fluoranthene	12.574	202	703604	45.315	ng		100
77) Benzidine	12.698	184	154093	51.856	ng		98
78) Pyrene	12.804	202	692887	43.177	ng		98
80) Butylbenzylphthalate	13.433	149	235065	45.970	ng		96
81) Benzo(a)anthracene	13.998	228	503529	44.237	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	164095	44.907	ng		98
83) Chrysene	14.039	228	483148	43.386	ng		100
84) Bis(2-ethylhexyl)phtha...	14.004	149	282374	45.751	ng	#	99
85) Di-n-octyl phthalate	14.621	149	464345	44.936	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	611219	46.401	ng		99
88) Benzo(b)fluoranthene	15.062	252	475107	47.865	ng		99
89) Benzo(k)fluoranthene	15.092	252	486014	48.624	ng		99
90) Benzo(a)pyrene	15.439	252	432073	44.133	ng		98
91) Dibenzo(a,h)anthracene	17.045	278	507963	46.530	ng		99
92) Benzo(g,h,i)perylene	17.480	276	498898	45.075	ng		97

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

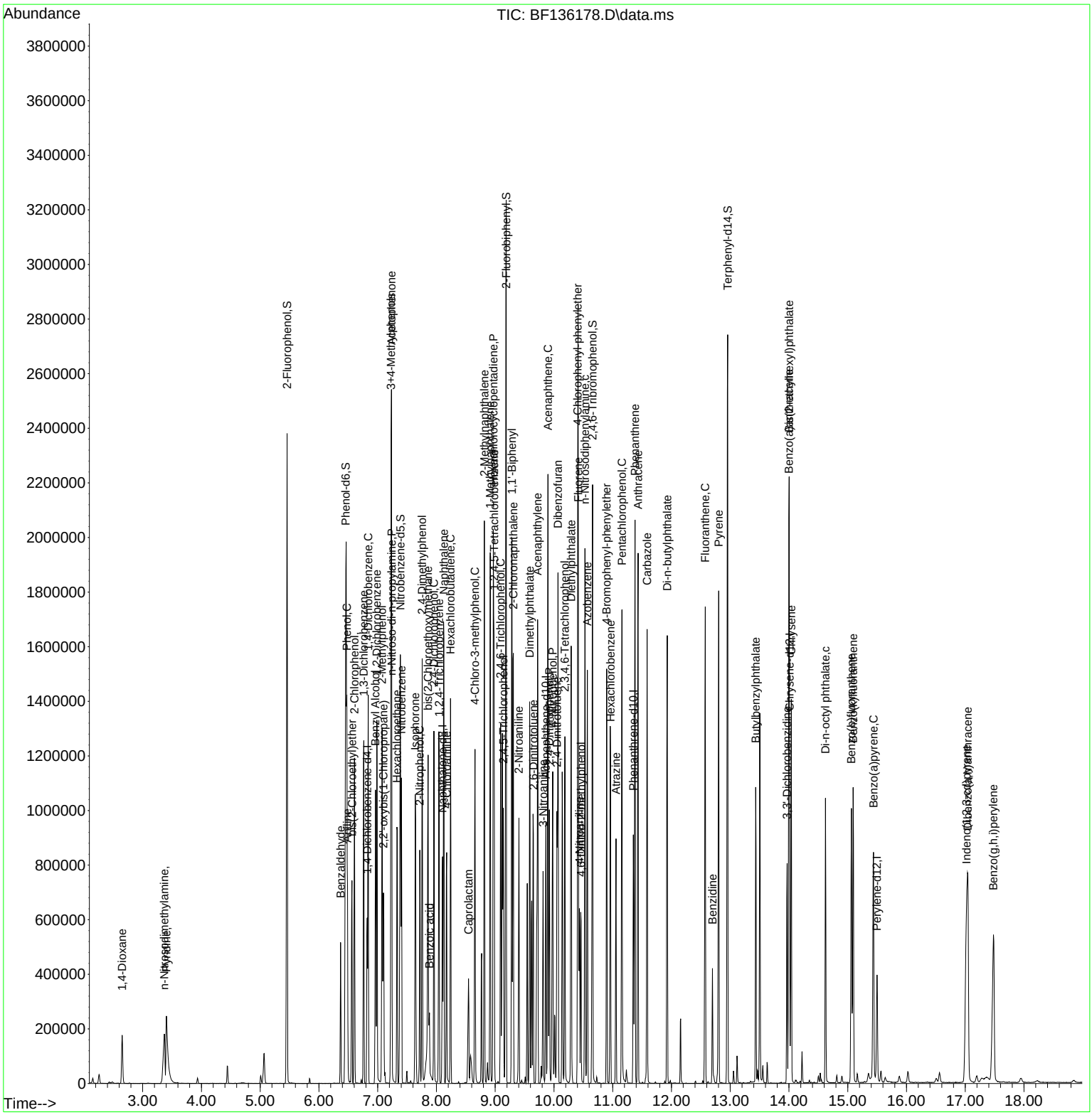
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110723\
Data File : BF136178.D
Acq On : 07 Nov 2023 16:18
Operator : CG\JU
Sample : PB156921BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 08 02:57:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 08 02:12:01 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB156921BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 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
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.33		0.097	0.22	mg/Kg
108-95-2	Phenol	1.00		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.00		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	0.95		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	0.97		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.10		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	0.98		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.00		0.039	0.052	mg/Kg
67-72-1	Hexachloroethane	1.10		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.10		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.20		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	0.96		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.00		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.10		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.10		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.10		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.00		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.40		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.10		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.00		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.10		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.10		0.055	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.10		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.10		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.10		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.10		0.059	0.11	mg/Kg

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 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
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.66		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.00		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.50		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.00	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.10		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.10		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.10		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.92		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.89		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.20		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.20		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.20		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.50		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.00	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.10		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.00		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.20		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.10		0.062	0.11	mg/Kg
129-00-0	Pyrene	0.99		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.00		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.00		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.10		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.10		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.30		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.30		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.10		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.81		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.81		0.063	0.11	mg/Kg

Raw Data: **BF136162.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MS	SDG No.:	O5252
Lab Sample ID:	O5257-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.08 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
BF136162.D	1	11/06/23 09:48	11/06/23 18:59	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.68		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.83		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.00		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	74%	SPK: 150
13127-88-3	Phenol-d6	111		30 (15) - 130 (107)	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		30 (18) - 130 (107)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		30 (20) - 130 (109)	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	117		30 (10) - 130 (110)	78%	SPK: 150
1718-51-0	Terphenyl-d14	69.8		30 (14) - 130 (112)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84800	6.822			
1146-65-2	Naphthalene-d8	327000	8.104			
15067-26-2	Acenaphthene-d10	167000	9.863			
1517-22-2	Phenanthrene-d10	266000	11.351			
1719-03-5	Chrysene-d12	169000	14.01			
1520-96-3	Perylene-d12	163000	15.498			

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\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84798	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	326584	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	167090	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	266358	20.000	ng		0.00
76) Chrysene-d12	14.010	240	168860	20.000	ng		0.00
86) Perylene-d12	15.498	264	162522	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	602360	111.625	ng		0.01
7) Phenol-d6	6.457	99	743962	110.651	ng		0.00
23) Nitrobenzene-d5	7.386	82	466639	86.135	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	208128	116.698	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	886940	84.617	ng		0.00
79) Terphenyl-d14	12.951	244	758175	69.775	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	88896	37.831	ng		99
3) Pyridine	3.404	79	217607	33.928	ng		95
4) n-Nitrosodimethylamine	3.375	42	123223	45.950	ng	#	85
6) Aniline	6.487	93	268899	30.891	ng		99
8) 2-Chlorophenol	6.604	128	278091	48.202	ng		99
9) Benzaldehyde	6.369	77	55918	14.915	ng		98
10) Phenol	6.475	94	327402m	47.080	ng		
11) bis(2-Chloroethyl)ether	6.563	93	250219	45.961	ng		98
12) 1,3-Dichlorobenzene	6.763	146	292387	48.694	ng		97
13) 1,4-Dichlorobenzene	6.839	146	293318	48.743	ng		98
14) 1,2-Dichlorobenzene	6.986	146	277604	49.336	ng		95
15) Benzyl Alcohol	6.963	79	234461	49.181	ng		94
16) 2,2'-oxybis(1-Chloropr...	7.098	45	331864	44.287	ng		100
17) 2-Methylphenol	7.075	107	211999	43.316	ng		95
18) Hexachloroethane	7.328	117	104287	49.307	ng		99
19) n-Nitroso-di-n-propyla...	7.239	70	176976	46.068	ng		96
20) 3+4-Methylphenols	7.228	107	266448	44.646	ng		97
22) Acetophenone	7.234	105	371515	51.302	ng	#	92
24) Nitrobenzene	7.404	77	273124	49.840	ng		93
25) Isophorone	7.639	82	495546	48.451	ng		97
26) 2-Nitrophenol	7.716	139	138836	55.529	ng	#	85
27) 2,4-Dimethylphenol	7.757	122	208182	44.063	ng		97
28) bis(2-Chloroethoxy)met...	7.857	93	299465	47.787	ng		98
29) 2,4-Dichlorophenol	7.957	162	228119	51.217	ng		95
30) 1,2,4-Trichlorobenzene	8.045	180	245133	50.451	ng		99
31) Naphthalene	8.128	128	763253	48.465	ng		99
32) Benzoic acid	7.881	122	172076	45.735	ng		89
33) 4-Chloroaniline	8.169	127	82496	11.962	ng		99
34) Hexachlorobutadiene	8.239	225	149181	53.538	ng		99
35) Caprolactam	8.551	113	73280m	50.598	ng		
36) 4-Chloro-3-methylphenol	8.657	107	241130	51.567	ng		97
37) 2-Methylnaphthalene	8.816	142	494532	46.832	ng		99
38) 1-Methylnaphthalene	8.916	142	480910	48.938	ng		100
40) 1,2,4,5-Tetrachloroben...	8.980	216	243130	51.021	ng		99
41) Hexachlorocyclopentadiene	8.969	237	167514	65.799	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	157027	50.539	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	169554	47.110	ng		98
46) 1,1'-Biphenyl	9.286	154	643646	50.531	ng		98
47) 2-Chloronaphthalene	9.310	162	481028	51.227	ng		99
48) 2-Nitroaniline	9.404	65	143248	51.547	ng		100
49) Acenaphthylene	9.722	152	759293	51.833	ng		99
50) Dimethylphthalate	9.586	163	562869	51.070	ng		99
51) 2,6-Dinitrotoluene	9.651	165	122860	52.120	ng		100
52) Acenaphthene	9.898	154	445292	47.817	ng		99
53) 3-Nitroaniline	9.816	138	83369	30.310	ng		94
54) 2,4-Dinitrophenol	9.922	184	83828	67.049	ng	#	84
55) Dibenzofuran	10.069	168	662544	48.792	ng		95
56) 4-Nitrophenol	9.980	139	186350	90.575	ng	#	78
57) 2,4-Dinitrotoluene	10.051	165	158420	53.116	ng		96
58) Fluorene	10.416	166	507306	49.898	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	137066	47.902	ng		97
60) Diethylphthalate	10.292	149	536740	50.969	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	249659	49.194	ng		90
62) 4-Nitroaniline	10.433	138	111321	42.031	ng		91
63) Azobenzene	10.569	77	481356	47.463	ng		97
65) 4,6-Dinitro-2-methylph...	10.457	198	57823	40.533	ng		73
66) n-Nitrosodiphenylamine	10.527	169	444761	55.353	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	154369	55.278	ng	#	93
68) Hexachlorobenzene	10.957	284	165737	55.570	ng	#	86
69) Atrazine	11.057	200	152260	69.647	ng		97
70) Pentachlorophenol	11.157	266	178386	93.131	ng		98
71) Phenanthrene	11.380	178	715998	53.388	ng		99
72) Anthracene	11.427	178	690315	50.233	ng		100
73) Carbazole	11.586	167	561955	47.057	ng		98
74) Di-n-butylphthalate	11.927	149	742586	54.419	ng		99
75) Fluoranthene	12.574	202	680233	49.373	ng		96
77) Benzidine	12.698	184	271143	82.384	ng		100
78) Pyrene	12.804	202	673497	45.239	ng		99
80) Butylbenzylphthalate	13.433	149	251615	47.216	ng		99
81) Benzo(a)anthracene	13.998	228	577155	51.628	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	170070	47.665	ng	#	99
83) Chrysene	14.039	228	558229	50.705	ng		99
84) Bis(2-ethylhexyl)phtha...	14.004	149	320131	51.562	ng		98
85) Di-n-octyl phthalate	14.621	149	563651	60.602	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	393803	37.075	ng		95
88) Benzo(b)fluoranthene	15.062	252	593108	61.675	ng		99
89) Benzo(k)fluoranthene	15.092	252	462100	48.564	ng		99
90) Benzo(a)pyrene	15.439	252	444333m	49.727	ng		
91) Dibenzo(a,h)anthracene	17.033	278	323674	37.201	ng		97
92) Benzo(g,h,i)perylene	17.468	276	299110	31.269	ng		96

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

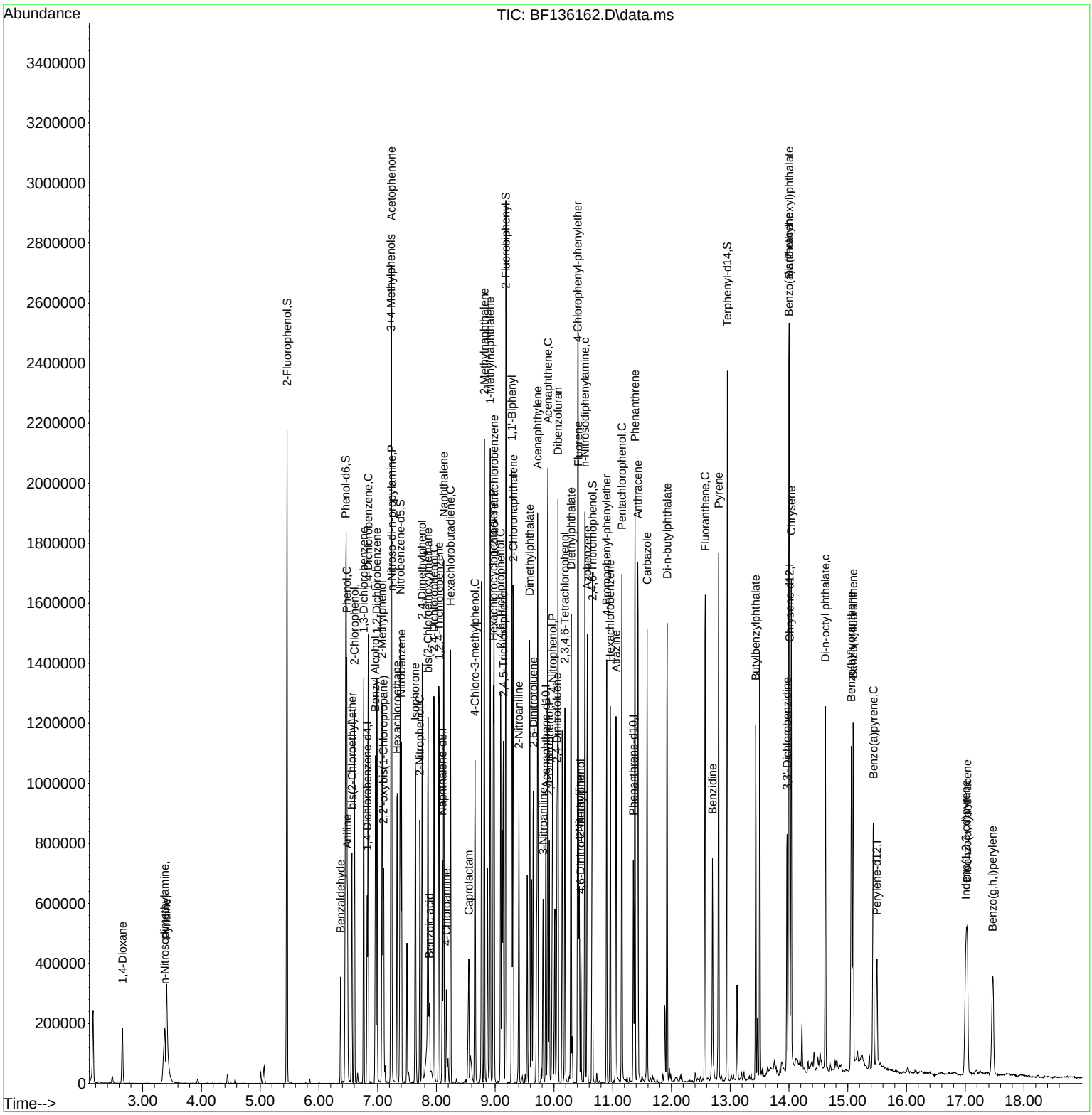
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136162.D
Acq On : 06 Nov 2023 18:59
Operator : CG\JU
Sample : 05257-05MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 06 23:30:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/08/2023
Supervised By :mohammad ahmed 11/08/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 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
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	0.35		0.097	0.22	mg/Kg
108-95-2	Phenol	1.10		0.049	0.11	mg/Kg
111-44-4	bis(2-Chloroethyl)ether	1.10		0.059	0.11	mg/Kg
95-57-8	2-Chlorophenol	1.10		0.047	0.11	mg/Kg
95-48-7	2-Methylphenol	1.00		0.075	0.11	mg/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1.00		0.069	0.11	mg/Kg
98-86-2	Acetophenone	1.20		0.057	0.11	mg/Kg
65794-96-9	3+4-Methylphenols	1.00		0.071	0.22	mg/Kg
621-64-7	n-Nitroso-di-n-propylamine	1.10		0.039	0.053	mg/Kg
67-72-1	Hexachloroethane	1.20		0.048	0.11	mg/Kg
98-95-3	Nitrobenzene	1.20		0.049	0.11	mg/Kg
78-59-1	Isophorone	1.10		0.045	0.11	mg/Kg
88-75-5	2-Nitrophenol	1.30		0.062	0.11	mg/Kg
105-67-9	2,4-Dimethylphenol	1.00		0.065	0.11	mg/Kg
111-91-1	bis(2-Chloroethoxy)methane	1.10		0.073	0.11	mg/Kg
120-83-2	2,4-Dichlorophenol	1.20		0.051	0.11	mg/Kg
91-20-3	Naphthalene	1.10		0.053	0.11	mg/Kg
106-47-8	4-Chloroaniline	0.26		0.069	0.11	mg/Kg
87-68-3	Hexachlorobutadiene	1.20		0.055	0.11	mg/Kg
105-60-2	Caprolactam	1.20		0.077	0.22	mg/Kg
59-50-7	4-Chloro-3-methylphenol	1.20		0.054	0.11	mg/Kg
91-57-6	2-Methylnaphthalene	1.10		0.062	0.11	mg/Kg
77-47-4	Hexachlorocyclopentadiene	1.70		0.14	0.22	mg/Kg
88-06-2	2,4,6-Trichlorophenol	1.20		0.051	0.11	mg/Kg
95-95-4	2,4,5-Trichlorophenol	1.10		0.058	0.11	mg/Kg
92-52-4	1,1-Biphenyl	1.20		0.060	0.11	mg/Kg
91-58-7	2-Chloronaphthalene	1.20		0.056	0.11	mg/Kg
88-74-4	2-Nitroaniline	1.20		0.065	0.11	mg/Kg
131-11-3	Dimethylphthalate	1.20		0.058	0.11	mg/Kg
208-96-8	Acenaphthylene	1.20		0.058	0.11	mg/Kg
606-20-2	2,6-Dinitrotoluene	1.20		0.059	0.11	mg/Kg

Raw Data: **BF136163.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 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
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
99-09-2	3-Nitroaniline	0.69		0.061	0.11	mg/Kg
83-32-9	Acenaphthene	1.10		0.053	0.11	mg/Kg
51-28-5	2,4-Dinitrophenol	1.70		0.12	0.22	mg/Kg
100-02-7	4-Nitrophenol	2.20	E	0.075	0.22	mg/Kg
132-64-9	Dibenzofuran	1.10		0.050	0.11	mg/Kg
121-14-2	2,4-Dinitrotoluene	1.20		0.066	0.11	mg/Kg
84-66-2	Diethylphthalate	1.20		0.056	0.11	mg/Kg
7005-72-3	4-Chlorophenyl-phenylether	1.20		0.059	0.11	mg/Kg
86-73-7	Fluorene	1.20		0.056	0.11	mg/Kg
100-01-6	4-Nitroaniline	0.97		0.068	0.11	mg/Kg
534-52-1	4,6-Dinitro-2-methylphenol	0.97		0.058	0.22	mg/Kg
86-30-6	n-Nitrosodiphenylamine	1.30		0.061	0.11	mg/Kg
101-55-3	4-Bromophenyl-phenylether	1.30		0.064	0.11	mg/Kg
118-74-1	Hexachlorobenzene	1.30		0.065	0.11	mg/Kg
1912-24-9	Atrazine	1.60		0.063	0.11	mg/Kg
87-86-5	Pentachlorophenol	2.10	E	0.073	0.22	mg/Kg
85-01-8	Phenanthrene	1.20		0.061	0.11	mg/Kg
120-12-7	Anthracene	1.20		0.067	0.11	mg/Kg
86-74-8	Carbazole	1.10		0.056	0.11	mg/Kg
84-74-2	Di-n-butylphthalate	1.30		0.068	0.11	mg/Kg
206-44-0	Fluoranthene	1.20		0.062	0.11	mg/Kg
129-00-0	Pyrene	1.10		0.055	0.11	mg/Kg
85-68-7	Butylbenzylphthalate	1.10		0.068	0.11	mg/Kg
91-94-1	3,3-Dichlorobenzidine	1.10		0.11	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	1.20		0.055	0.11	mg/Kg
218-01-9	Chrysene	1.20		0.057	0.11	mg/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1.20		0.075	0.11	mg/Kg
117-84-0	Di-n-octyl phthalate	1.40		0.081	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.40		0.053	0.11	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.20		0.058	0.11	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.062	0.11	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.90		0.070	0.11	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.91		0.063	0.11	mg/Kg

Raw Data: **BF136163.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	RMJ Environomics, Inc.	Date Collected:	11/03/23
Project:	245 Greenwood Ave	Date Received:	11/03/23
Client Sample ID:	WC-2MSD	SDG No.:	O5252
Lab Sample ID:	O5257-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.4
Sample Wt/Vol:	50.06 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
BF136163.D	1	11/06/23 09:48	11/06/23 19:29	PB156921

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
191-24-2	Benzo(g,h,i)perylene	0.75		0.061	0.11	mg/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1.20		0.059	0.11	mg/Kg
123-91-1	1,4-Dioxane	0.87		0.077	0.11	mg/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1.10		0.054	0.11	mg/Kg
SURROGATES						
367-12-4	2-Fluorophenol	120		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	118		30 (15) - 130 (107)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.3		30 (18) - 130 (107)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.4		30 (20) - 130 (109)	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		30 (10) - 130 (110)	85%	SPK: 150
1718-51-0	Terphenyl-d14	75.3		30 (14) - 130 (112)	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84700	6.822			
1146-65-2	Naphthalene-d8	331000	8.104			
15067-26-2	Acenaphthene-d10	166000	9.863			
1517-22-2	Phenanthrene-d10	271000	11.351			
1719-03-5	Chrysene-d12	171000	14.009			
1520-96-3	Perylene-d12	164000	15.498			

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\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/08/2023
Supervised By :mohammad ahmed
11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	84667	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	331240	20.000	ng	#	0.00
39) Acenaphthene-d10	9.863	164	166345	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	270586	20.000	ng		0.00
76) Chrysene-d12	14.009	240	171083	20.000	ng		0.00
86) Perylene-d12	15.498	264	163710	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.457	112	646016	119.900	ng		0.01
7) Phenol-d6	6.463	99	794287	118.319	ng		0.00
23) Nitrobenzene-d5	7.386	82	496314	90.324	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	225168	126.817	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	942959	90.365	ng		0.00
79) Terphenyl-d14	12.951	244	829177	75.318	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.657	88	93427	39.821	ng		95
3) Pyridine	3.410	79	231170	36.098	ng		96
4) n-Nitrosodimethylamine	3.381	42	133658	49.919	ng		87
6) Aniline	6.486	93	284175	32.696	ng		99
8) 2-Chlorophenol	6.604	128	297626	51.668	ng		99
9) Benzaldehyde	6.369	77	60669	16.207	ng		97
10) Phenol	6.475	94	347216m	50.007	ng		
11) bis(2-Chloroethyl)ether	6.563	93	261829	48.168	ng		99
12) 1,3-Dichlorobenzene	6.763	146	309055	51.549	ng		96
13) 1,4-Dichlorobenzene	6.839	146	314092	52.276	ng		97
14) 1,2-Dichlorobenzene	6.992	146	295624	52.620	ng		97
15) Benzyl Alcohol	6.969	79	253448	53.246	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.098	45	349086	46.657	ng		98
17) 2-Methylphenol	7.075	107	226680	46.387	ng		94
18) Hexachloroethane	7.333	117	112225	53.142	ng		91
19) n-Nitroso-di-n-propyla...	7.239	70	192459	50.176	ng		96
20) 3+4-Methylphenols	7.233	107	282481	47.405	ng		92
22) Acetophenone	7.233	105	395495	53.845	ng	#	89
24) Nitrobenzene	7.404	77	295166	53.105	ng		94
25) Isophorone	7.645	82	533408	51.420	ng		99
26) 2-Nitrophenol	7.722	139	151493	59.740	ng		98
27) 2,4-Dimethylphenol	7.757	122	220824	46.082	ng		94
28) bis(2-Chloroethoxy)met...	7.857	93	316437	49.786	ng		98
29) 2,4-Dichlorophenol	7.963	162	242840	53.755	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	266269	54.031	ng		100
31) Naphthalene	8.128	128	829216	51.913	ng		99
32) Benzoic acid	7.886	122	187786m	48.820	ng		
33) 4-Chloroaniline	8.169	127	82587	11.806	ng		97
34) Hexachlorobutadiene	8.239	225	158662	56.140	ng		98
35) Caprolactam	8.557	113	79036m	53.806	ng		
36) 4-Chloro-3-methylphenol	8.657	107	261185	55.071	ng		97
37) 2-Methylnaphthalene	8.816	142	523137	48.845	ng		99
38) 1-Methylnaphthalene	8.916	142	512441	51.414	ng		98
40) 1,2,4,5-Tetrachloroben...	8.980	216	260765	54.967	ng		99
41) Hexachlorocyclopentadiene	8.969	237	199732	78.806	ng		99
43) 2,4,6-Trichlorophenol	9.098	196	172249	55.687	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
11/08/2023
Supervised By :mohammad ahmed
11/08/2023

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.139	196	179316	50.045	ng		98
46) 1,1'-Biphenyl	9.286	154	683507	53.901	ng		98
47) 2-Chloronaphthalene	9.310	162	511533	54.720	ng		99
48) 2-Nitroaniline	9.404	65	151764	54.856	ng		98
49) Acenaphthylene	9.722	152	815374	55.911	ng		100
50) Dimethylphthalate	9.592	163	601010	54.775	ng		100
51) 2,6-Dinitrotoluene	9.651	165	132953	56.654	ng		98
52) Acenaphthene	9.898	154	477235m	51.477	ng		
53) 3-Nitroaniline	9.816	138	86926	31.745	ng		90
54) 2,4-Dinitrophenol	9.922	184	97817	77.216	ng	#	83
55) Dibenzofuran	10.069	168	709096	52.454	ng		94
56) 4-Nitrophenol	9.980	139	207272	101.195	ng	#	75
57) 2,4-Dinitrotoluene	10.057	165	169458	57.072	ng		95
58) Fluorene	10.416	166	538988	53.252	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.186	232	148158	52.010	ng		97
60) Diethylphthalate	10.292	149	581721	55.488	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	267440	52.934	ng		98
62) 4-Nitroaniline	10.433	138	117034	44.386	ng		90
63) Azobenzene	10.569	77	516918	51.198	ng		97
65) 4,6-Dinitro-2-methylph...	10.463	198	65600	44.590	ng		96
66) n-Nitrosodiphenylamine	10.527	169	482464	59.107	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	163941	57.789	ng	#	92
68) Hexachlorobenzene	10.963	284	180071	59.432	ng		98
69) Atrazine	11.063	200	161517	72.727	ng		98
70) Pentachlorophenol	11.157	266	191247	98.285	ng		99
71) Phenanthrene	11.380	178	764659	56.126	ng		99
72) Anthracene	11.433	178	744240	53.310	ng		99
73) Carbazole	11.586	167	618161	50.955	ng		99
74) Di-n-butylphthalate	11.927	149	797035	57.497	ng		99
75) Fluoranthene	12.574	202	744637	53.203	ng		96
77) Benzidine	12.698	184	290371	87.080	ng		100
78) Pyrene	12.804	202	750244	49.739	ng		99
80) Butylbenzylphthalate	13.433	149	273552	50.665	ng		98
81) Benzo(a)anthracene	13.998	228	634241	55.998	ng		99
82) 3,3'-Dichlorobenzidine	13.968	252	181551	50.222	ng	#	97
83) Chrysene	14.039	228	610200	54.705	ng		99
84) Bis(2-ethylhexyl)phtha...	13.998	149	345743	54.964	ng	#	96
85) Di-n-octyl phthalate	14.621	149	614219	65.181	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	442094	41.319	ng		95
88) Benzo(b)fluoranthene	15.062	252	639012	65.966	ng		99
89) Benzo(k)fluoranthene	15.098	252	511001m	53.314	ng		
90) Benzo(a)pyrene	15.439	252	484824	53.865	ng	#	98
91) Dibenzo(a,h)anthracene	17.039	278	365302	41.681	ng	#	96
92) Benzo(g,h,i)perylene	17.474	276	335081	34.451	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110623\
Data File : BF136163.D
Acq On : 06 Nov 2023 19:29
Operator : CG\JU
Sample : 05257-05MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

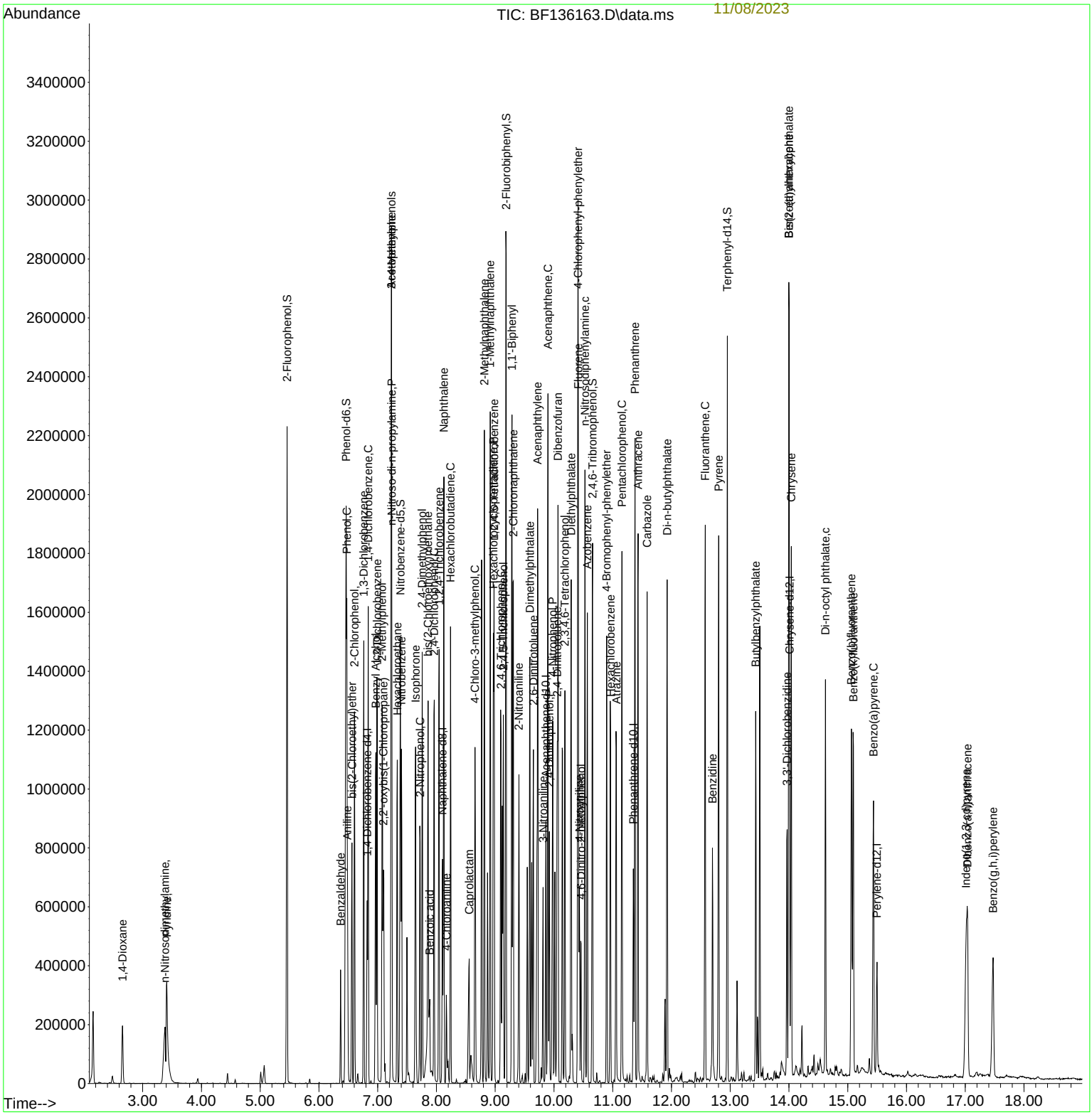
Quant Time: Nov 06 23:31:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 06 00:53:35 2023
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-2MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/08/2023

Supervised By :mohammad ahmed
11/08/2023



CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136024.D	Phenol	yogesh	10/31/2023 4:26:33 AM	mohammad	10/31/2023 4:53:39 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Acenaphthene	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICC020	BF136026.D	Phenol	yogesh	10/31/2023 4:26:35 AM	mohammad	10/31/2023 4:53:42 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Acenaphthene	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Benzoic acid	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICCC040	BF136027.D	Phenol	yogesh	10/31/2023 4:26:37 AM	mohammad	10/31/2023 4:53:44 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Acenaphthene	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Benzoic acid	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC050	BF136028.D	Phenol	yogesh	10/31/2023 4:26:39 AM	mohammad	10/31/2023 4:53:47 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Acenaphthene	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Benzoic acid	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC060	BF136029.D	Phenol	yogesh	10/31/2023 4:26:40 AM	mohammad	10/31/2023 4:53:50 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Acenaphthene	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF103023	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF136030.D	Benzoic acid	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Caprolactam	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICC080	BF136030.D	Phenol	yogesh	10/31/2023 4:26:42 AM	mohammad	10/31/2023 4:53:53 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Acenaphthene	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Benzoic acid	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software
SSTDICV040	BF136031.D	Phenol	yogesh	10/31/2023 4:26:46 AM	mohammad	10/31/2023 4:53:55 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136149.D	Acenaphthene	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Benzoic acid	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136149.D	Phenol	yogesh	11/8/2023 12:35:36 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Benzo(a)pyrene	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Caprolactam	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MS	BF136162.D	Phenol	yogesh	11/8/2023 12:36:14 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Acenaphthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Benzoic acid	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Caprolactam	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
O5257-05MSD	BF136163.D	Phenol	yogesh	11/8/2023 12:36:15 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Acenaphthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Benzo(k)fluoranthene	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110623	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF136165.D	Benzoic acid	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software
SSTDCCC040	BF136165.D	Phenol	yogesh	11/8/2023 12:36:18 AM	mohammad	11/8/2023 1:02:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF110723	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF136169.D	Phenol	yogesh	11/9/2023 3:21:03 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC010	BF136170.D	Benzo(b)fluoranthene	yogesh	11/9/2023 3:21:05 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICCC040	BF136172.D	Benzoic acid	yogesh	11/9/2023 3:21:07 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC050	BF136173.D	Benzoic acid	yogesh	11/9/2023 3:21:08 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Acenaphthene	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC060	BF136174.D	Benzoic acid	yogesh	11/9/2023 3:21:10 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Acenaphthene	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICC080	BF136175.D	Benzoic acid	yogesh	11/9/2023 3:21:12 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
SSTDICV040	BF136176.D	Benzoic acid	yogesh	11/9/2023 3:21:13 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Acenaphthene	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software
PB156921BS	BF136178.D	Caprolactam	yogesh	11/9/2023 3:21:15 AM	mohammad	11/9/2023 3:24:19 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM042489.D	Benzidine	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzo(k)fluoranthene	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC005	BM042489.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:41 AM	mohammad	10/31/2023 4:55:05 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzidine	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzoic acid	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC010	BM042490.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:42 AM	mohammad	10/31/2023 4:55:07 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzidine	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzoic acid	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software
SSTDICC020	BM042491.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:44 AM	mohammad	10/31/2023 4:55:10 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BM103023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BM042492.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:46 AM	mohammad	10/31/2023 4:55:13 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzidine	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC050	BM042493.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:48 AM	mohammad	10/31/2023 4:55:16 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Benzyl Alcohol	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC060	BM042494.D	Pyridine	yogesh	10/31/2023 4:28:49 AM	mohammad	10/31/2023 4:55:18 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICC080	BM042495.D	Pyridine	yogesh	10/31/2023 4:28:51 AM	mohammad	10/31/2023 4:55:20 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,2"-oxybis(1-Chloropro pane)	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software
SSTDICV040	BM042496.D	2,4-Dimethylphenol	yogesh	10/31/2023 4:28:52 AM	mohammad	10/31/2023 4:55:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm111023	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM042685.D	2,2"-oxybis(1-Chloropropane)	yogesh	11/14/2023 4:39:05 PM	mohammad	11/16/2023 1:32:18 AM	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136022.D	30 Oct 2023 11:02	CG\JU	Ok
2	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02	CG\JU	Ok
3	SSTDICC005	BF136024.D	30 Oct 2023 12:32	CG\JU	Ok,M
4	SSTDICC010	BF136025.D	30 Oct 2023 13:02	CG\JU	Ok
5	SSTDICC020	BF136026.D	30 Oct 2023 13:33	CG\JU	Ok,M
6	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	CG\JU	Ok,M
7	SSTDICC050	BF136028.D	30 Oct 2023 14:49	CG\JU	Ok,M
8	SSTDICC060	BF136029.D	30 Oct 2023 15:20	CG\JU	Ok,M
9	SSTDICC080	BF136030.D	30 Oct 2023 15:51	CG\JU	Ok,M
10	SSTDICV040	BF136031.D	30 Oct 2023 16:24	CG\JU	Ok,M
11	PB156520BL	BF136032.D	30 Oct 2023 17:26	CG\JU	Ok
12	PB156392BL	BF136033.D	30 Oct 2023 17:56	CG\JU	Ok
13	PB156520BS	BF136034.D	30 Oct 2023 18:27	CG\JU	Ok,M
14	O5027-01	BF136035.D	30 Oct 2023 19:01	CG\JU	Not Ok
15	O5090-01	BF136036.D	30 Oct 2023 19:32	CG\JU	Ok,M
16	O5062-01	BF136037.D	30 Oct 2023 20:02	CG\JU	Ok,M
17	O5073-01	BF136038.D	30 Oct 2023 20:33	CG\JU	Dilution
18	O5078-01	BF136039.D	30 Oct 2023 21:03	CG\JU	Ok,M
19	O4907-01RE	BF136040.D	30 Oct 2023 21:33	CG\JU	Confirms
20	O4704-02DL	BF136041.D	30 Oct 2023 22:04	CG\JU	Ok,M
21	O4704-04DL	BF136042.D	30 Oct 2023 22:34	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136148.D	06 Nov 2023 11:31	CG\JU	Ok
2	SSTDCCC040	BF136149.D	06 Nov 2023 12:01	CG\JU	Ok,M
3	PB156895BL	BF136150.D	06 Nov 2023 12:31	CG\JU	Ok
4	O5237-01	BF136151.D	06 Nov 2023 13:26	CG\JU	Ok,M
5	O5243-03	BF136152.D	06 Nov 2023 13:56	CG\JU	Ok
6	O5234-01	BF136153.D	06 Nov 2023 14:26	CG\JU	Ok
7	O5257-09	BF136154.D	06 Nov 2023 14:56	CG\JU	Ok
8	O5256-09	BF136155.D	06 Nov 2023 15:27	CG\JU	Ok,M
9	O5257-05	BF136156.D	06 Nov 2023 15:57	CG\JU	Ok,M
10	O5256-01	BF136157.D	06 Nov 2023 16:28	CG\JU	Ok,M
11	O5253-01	BF136158.D	06 Nov 2023 16:57	CG\JU	Ok,M
12	O5253-02	BF136159.D	06 Nov 2023 17:28	CG\JU	Dilution
13	O5256-05	BF136160.D	06 Nov 2023 17:59	CG\JU	Dilution
14	O5257-01	BF136161.D	06 Nov 2023 18:29	CG\JU	Dilution
15	O5257-05MS	BF136162.D	06 Nov 2023 18:59	CG\JU	Ok,M
16	O5257-05MSD	BF136163.D	06 Nov 2023 19:29	CG\JU	Ok,M
17	O5253-02DL	BF136164.D	06 Nov 2023 20:00	CG\JU	Ok,M
18	SSTDCCC040	BF136165.D	06 Nov 2023 21:01	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF136166.D	07 Nov 2023 09:28	CG\JU	Ok
2	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	CG\JU	Not Ok
3	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30	CG\JU	Ok
4	SSTDICC005	BF136169.D	07 Nov 2023 11:01	CG\JU	Ok,M
5	SSTDICC010	BF136170.D	07 Nov 2023 11:31	CG\JU	Ok,M
6	SSTDICC020	BF136171.D	07 Nov 2023 12:01	CG\JU	Ok
7	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	CG\JU	Ok,M
8	SSTDICC050	BF136173.D	07 Nov 2023 13:02	CG\JU	Ok,M
9	SSTDICC060	BF136174.D	07 Nov 2023 13:33	CG\JU	Ok,M
10	SSTDICC080	BF136175.D	07 Nov 2023 14:03	CG\JU	Ok,M
11	SSTDICV040	BF136176.D	07 Nov 2023 15:17	CG\JU	Ok,M
12	PB156921BL	BF136177.D	07 Nov 2023 15:47	CG\JU	Ok
13	PB156921BS	BF136178.D	07 Nov 2023 16:18	CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042487.D	30 Oct 2023 09:52	MA/JU	Ok
2	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04	MA/JU	Ok
3	SSTDICC005	BM042489.D	30 Oct 2023 11:40	MA/JU	Ok,M
4	SSTDICC010	BM042490.D	30 Oct 2023 12:16	MA/JU	Ok,M
5	SSTDICC020	BM042491.D	30 Oct 2023 12:52	MA/JU	Ok,M
6	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	MA/JU	Ok,M
7	SSTDICC050	BM042493.D	30 Oct 2023 14:05	MA/JU	Ok,M
8	SSTDICC060	BM042494.D	30 Oct 2023 14:41	MA/JU	Ok,M
9	SSTDICC080	BM042495.D	30 Oct 2023 15:18	MA/JU	Ok,M
10	SSTDICV040	BM042496.D	30 Oct 2023 16:23	MA/JU	Ok,M
11	PB156597TB	BM042497.D	30 Oct 2023 17:00	MA/JU	Ok
12	PB156526BS	BM042498.D	30 Oct 2023 17:36	MA/JU	Ok,M
13	PB156526BSD	BM042499.D	30 Oct 2023 18:13	MA/JU	Ok,M
14	PB156526BL	BM042500.D	30 Oct 2023 18:49	MA/JU	Ok
15	O4909-01RE	BM042501.D	30 Oct 2023 19:31	MA/JU	Confirms
16	O4958-02RE	BM042502.D	30 Oct 2023 20:07	MA/JU	Confirms
17	O5011-01DL	BM042503.D	30 Oct 2023 20:43	MA/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM042684.D	10 Nov 2023 10:10	MA/JU	Ok
2	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	MA/JU	Ok,M
3	PB156988BL	BM042686.D	10 Nov 2023 11:58	MA/JU	Not Ok
4	O5279-04	BM042687.D	10 Nov 2023 12:34	MA/JU	Ok
5	O5279-08	BM042688.D	10 Nov 2023 13:10	MA/JU	ReRun
6	O5295-04	BM042689.D	10 Nov 2023 13:46	MA/JU	ReRun
7	O5311-03	BM042690.D	10 Nov 2023 14:22	MA/JU	ReRun
8	O5280-02	BM042691.D	10 Nov 2023 14:58	MA/JU	ReRun
9	O5317-03	BM042692.D	10 Nov 2023 15:34	MA/JU	Dilution
10	O5279-01	BM042693.D	10 Nov 2023 16:09	MA/JU	Ok,M
11	O5279-05	BM042694.D	10 Nov 2023 16:46	MA/JU	Ok,M
12	O5317-01	BM042695.D	10 Nov 2023 17:22	MA/JU	Ok,M
13	O5292-01	BM042696.D	10 Nov 2023 17:58	MA/JU	Ok,M
14	O5291-01	BM042697.D	10 Nov 2023 18:34	MA/JU	Ok,M
15	O5252-01	BM042698.D	10 Nov 2023 19:10	MA/JU	Ok
16	O5253-03	BM042699.D	10 Nov 2023 19:46	MA/JU	Dilution
17	O5253-04	BM042700.D	10 Nov 2023 20:22	MA/JU	Dilution
18	O5257-01DL	BM042701.D	10 Nov 2023 20:58	MA/JU	Ok,M
19	O5256-05DL	BM042702.D	10 Nov 2023 21:35	MA/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136022.D	30 Oct 2023 11:02		CG\JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF136023.D	30 Oct 2023 12:02		CG\JU	Ok
3	SSTDICC005	SSTDICC005	BF136024.D	30 Oct 2023 12:32	Compound#32,54,65 removed from 5 ppm	CG\JU	Ok,M
4	SSTDICC010	SSTDICC010	BF136025.D	30 Oct 2023 13:02	The CAlibration is Good for Non-DOD and for 625.1.	CG\JU	Ok
5	SSTDICC020	SSTDICC020	BF136026.D	30 Oct 2023 13:33	Method is Good for DOD (Except Benzidine) and Good for 625.1.	CG\JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF136027.D	30 Oct 2023 14:04	Compound #32,54,65,92 Kept on LR	CG\JU	Ok,M
7	SSTDICC050	SSTDICC050	BF136028.D	30 Oct 2023 14:49		CG\JU	Ok,M
8	SSTDICC060	SSTDICC060	BF136029.D	30 Oct 2023 15:20		CG\JU	Ok,M
9	SSTDICC080	SSTDICC080	BF136030.D	30 Oct 2023 15:51		CG\JU	Ok,M
10	SSTDICV040	ICVBF103023	BF136031.D	30 Oct 2023 16:24		CG\JU	Ok,M
11	PB156520BL	PB156520BL	BF136032.D	30 Oct 2023 17:26		CG\JU	Ok
12	PB156392BL	PB156392BL	BF136033.D	30 Oct 2023 17:56		CG\JU	Ok
13	PB156520BS	PB156520BS	BF136034.D	30 Oct 2023 18:27		CG\JU	Ok,M
14	O5027-01	214	BF136035.D	30 Oct 2023 19:01	Internal standard not added	CG\JU	Not Ok
15	O5090-01	WC-1	BF136036.D	30 Oct 2023 19:32		CG\JU	Ok,M
16	O5062-01	NB-07-102523	BF136037.D	30 Oct 2023 20:02		CG\JU	Ok,M
17	O5073-01	OR-02-102523	BF136038.D	30 Oct 2023 20:33	Need Further 5X	CG\JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF103023

Review By	yogesh	Review On	10/31/2023 4:29:34 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:54:30 AM		
SubDirectory	BF103023	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	O5078-01	EO-03-102323	BF136039.D	30 Oct 2023 21:03		CG\JU	Ok,M
19	O4907-01RE	OR-03-101623RE	BF136040.D	30 Oct 2023 21:33	Fax is already Given	CG\JU	Confirms
20	O4704-02DL	R-1(10-15)DL	BF136041.D	30 Oct 2023 22:04		CG\JU	Ok,M
21	O4704-04DL	R-3(10-15)DL	BF136042.D	30 Oct 2023 22:34		CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110623

Review By	yogesh	Review On	11/6/2023 4:02:34 PM		
Supervise By	mohammad	Supervise On	11/8/2023 1:02:43 AM		
SubDirectory	BF110623	HP Acquire Method	BNA_F	HP Processing Method	BF103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136148.D	06 Nov 2023 11:31		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136149.D	06 Nov 2023 12:01		CG\JU	Ok,M
3	PB156895BL	PB156895BL	BF136150.D	06 Nov 2023 12:31		CG\JU	Ok
4	O5237-01	111TH-ST-1	BF136151.D	06 Nov 2023 13:26		CG\JU	Ok,M
5	O5243-03	SB-11-AT-4.5-5.0	BF136152.D	06 Nov 2023 13:56		CG\JU	Ok
6	O5234-01	SP-A	BF136153.D	06 Nov 2023 14:26		CG\JU	Ok
7	O5257-09	WC-3	BF136154.D	06 Nov 2023 14:56		CG\JU	Ok
8	O5256-09	WC-10	BF136155.D	06 Nov 2023 15:27		CG\JU	Ok,M
9	O5257-05	WC-2	BF136156.D	06 Nov 2023 15:57		CG\JU	Ok,M
10	O5256-01	WC-1	BF136157.D	06 Nov 2023 16:28		CG\JU	Ok,M
11	O5253-01	L-1(65FT)(5-10)	BF136158.D	06 Nov 2023 16:57		CG\JU	Ok,M
12	O5253-02	L-6(0-5)	BF136159.D	06 Nov 2023 17:28	Need 10X	CG\JU	Dilution
13	O5256-05	WC-11	BF136160.D	06 Nov 2023 17:59	Need 2X	CG\JU	Dilution
14	O5257-01	WC-6	BF136161.D	06 Nov 2023 18:29	Need 2X	CG\JU	Dilution
15	O5257-05MS	WC-2MS	BF136162.D	06 Nov 2023 18:59		CG\JU	Ok,M
16	O5257-05MSD	WC-2MSD	BF136163.D	06 Nov 2023 19:29		CG\JU	Ok,M
17	O5253-02DL	L-6(0-5)DL	BF136164.D	06 Nov 2023 20:00		CG\JU	Ok,M
18	SSTDCCC040	SSTDCCC040EC	BF136165.D	06 Nov 2023 21:01		CG\JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF110723

Review By	yogesh	Review On	11/7/2023 4:17:42 PM		
Supervise By	mohammad	Supervise On	11/9/2023 3:24:19 AM		
SubDirectory	BF110723	HP Acquire Method	BNA_F	HP Processing Method	BF110723

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6330,SP6331,SP6332,SP6333,SP6334,SP6335,SP6336,SP6337
CCC	SP6333
Internal Standard/PEM	S11510 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF136166.D	07 Nov 2023 09:28		CG\JU	Ok
2	SSTDCCC040	SSTDCCC040	BF136167.D	07 Nov 2023 09:58	Need ICAL	CG\JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF136168.D	07 Nov 2023 10:30		CG\JU	Ok
4	SSTDICC005	SSTDICC005	BF136169.D	07 Nov 2023 11:01	Comopunds#32,54,65,77,85 removed from 5 ppm	CG\JU	Ok,M
5	SSTDICC010	SSTDICC010	BF136170.D	07 Nov 2023 11:31	Method is Good For DOD except compound#77	CG\JU	Ok,M
6	SSTDICC020	SSTDICC020	BF136171.D	07 Nov 2023 12:01	Compound #32,54,65 Kept on LR	CG\JU	Ok
7	SSTDICCC040	SSTDICCC040	BF136172.D	07 Nov 2023 12:31	Method is Good For DOD Except Com#77 and good for 625.1 Method	CG\JU	Ok,M
8	SSTDICC050	SSTDICC050	BF136173.D	07 Nov 2023 13:02		CG\JU	Ok,M
9	SSTDICC060	SSTDICC060	BF136174.D	07 Nov 2023 13:33		CG\JU	Ok,M
10	SSTDICC080	SSTDICC080	BF136175.D	07 Nov 2023 14:03		CG\JU	Ok,M
11	SSTDICV040	ICVBF110723	BF136176.D	07 Nov 2023 15:17		CG\JU	Ok,M
12	PB156921BL	PB156921BL	BF136177.D	07 Nov 2023 15:47		CG\JU	Ok
13	PB156921BS	PB156921BS	BF136178.D	07 Nov 2023 16:18		CG\JU	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042487.D	30 Oct 2023 09:52		MA/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM042488.D	30 Oct 2023 11:04		MA/JU	Ok
3	SSTDICC005	SSTDICC005	BM042489.D	30 Oct 2023 11:40	Comopunds#32,35,41,42,54,56, 65,70 removed from 5 ppm	MA/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM042490.D	30 Oct 2023 12:16		MA/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM042491.D	30 Oct 2023 12:52	The Calibration is good for Methods 625.1, 8270 DOD & 8270 NON-DOD Except Benzidine as failed in ICV	MA/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM042492.D	30 Oct 2023 13:29	Compounds#26,32,41,48,53,54, 56,57,62,65,91 kept on LR	MA/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM042493.D	30 Oct 2023 14:05		MA/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM042494.D	30 Oct 2023 14:41		MA/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM042495.D	30 Oct 2023 15:18	Compounds#32,73 removed from 80 ppm	MA/JU	Ok,M
10	SSTDICV040	ICVBM103023	BM042496.D	30 Oct 2023 16:23		MA/JU	Ok,M
11	PB156597TB	PB156597TB	BM042497.D	30 Oct 2023 17:00		MA/JU	Ok
12	PB156526BS	PB156526BS	BM042498.D	30 Oct 2023 17:36		MA/JU	Ok,M
13	PB156526BSD	PB156526BSD	BM042499.D	30 Oct 2023 18:13		MA/JU	Ok,M
14	PB156526BL	PB156526BL	BM042500.D	30 Oct 2023 18:49		MA/JU	Ok
15	O4909-01RE	LCOL-12RE	BM042501.D	30 Oct 2023 19:31	Surrogate Fail	MA/JU	Confirms
16	O4958-02RE	EFF-WASTE-WATERR	BM042502.D	30 Oct 2023 20:07	Surrogate Fail	MA/JU	Confirms
17	O5011-01DL	RBR-200027DL	BM042503.D	30 Oct 2023 20:43		MA/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM103023

Review By	yogesh	Review On	10/31/2023 4:29:12 AM		
Supervise By	mohammad	Supervise On	10/31/2023 4:55:39 AM		
SubDirectory	BM103023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11507 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM042684.D	10 Nov 2023 10:10		MA/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM042685.D	10 Nov 2023 11:22	CCC failed high for comp. #04,15,19,34,41,42,61,67,68,77, 79	MA/JU	Ok,M
3	PB156988BL	PB156988BL	BM042686.D	10 Nov 2023 11:58	Surrogate Fail	MA/JU	Not Ok
4	O5279-04	TP-1	BM042687.D	10 Nov 2023 12:34		MA/JU	Ok
5	O5279-08	MH-1	BM042688.D	10 Nov 2023 13:10	Internal Standard Fail	MA/JU	ReRun
6	O5295-04	TP-2	BM042689.D	10 Nov 2023 13:46	Internal Standard Fail	MA/JU	ReRun
7	O5311-03	TP-1	BM042690.D	10 Nov 2023 14:22	Internal Standard Fail	MA/JU	ReRun
8	O5280-02	MH-1-GW	BM042691.D	10 Nov 2023 14:58	Internal Standard Fail	MA/JU	ReRun
9	O5317-03	RB-21148	BM042692.D	10 Nov 2023 15:34	Need 5X	MA/JU	Dilution
10	O5279-01	TP-1	BM042693.D	10 Nov 2023 16:09		MA/JU	Ok,M
11	O5279-05	MH-1	BM042694.D	10 Nov 2023 16:46		MA/JU	Ok,M
12	O5317-01	208	BM042695.D	10 Nov 2023 17:22		MA/JU	Ok,M
13	O5292-01	CORONA	BM042696.D	10 Nov 2023 17:58	Internal Standard Fail	MA/JU	Ok,M
14	O5291-01	QUEEN-PLAZA	BM042697.D	10 Nov 2023 18:34		MA/JU	Ok,M
15	O5252-01	WASTE	BM042698.D	10 Nov 2023 19:10		MA/JU	Ok
16	O5253-03	L-3(120FT)(0-5)	BM042699.D	10 Nov 2023 19:46	Need Further 10X	MA/JU	Dilution
17	O5253-04	L-3(195FT)(0-5)	BM042700.D	10 Nov 2023 20:22	Need Further 5X	MA/JU	Dilution
18	O5257-01DL	WC-6DL	BM042701.D	10 Nov 2023 20:58		MA/JU	Ok,M

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM111023

Review By	yogesh	Review On	11/10/2023 2:59:37 PM		
Supervise By	mohammad	Supervise On	11/16/2023 1:32:18 AM		
SubDirectory	BM111023	HP Acquire Method	BNA_M	HP Processing Method	BM103023

STD. NAME	STD REF.#
Tune/Reschk	SP6271
Initial Calibration Stds	SP6228,SP6229,SP6230,SP6231,SP6232,SP6233,SP6234,SP6235,SP6236
CCC	SP6232
Internal Standard/PEM	S11528 10ul/1000ul sample
ICV/I.BLK	SP6324
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O5256-05DL	WC-11DL	BM042702.D	10 Nov 2023 21:35		MA/JU	Ok,M

M : Manual Integration

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5102-02	67S-SB02-0815	89	1.15	8.58	9.73	7.6	75.2	
O5102-03	67S-SB02-2628	90	1.14	8.64	9.78	6.04	56.7	
O5102-04	67S-SB04-1419	91	1.16	8.74	9.9	7.15	68.5	
O5102-05	67S-SB07-1418	92	1.15	8.81	9.96	7.55	72.6	
O5102-06	67S-SB08-1619	93	1.15	8.81	9.96	9.00	89.1	
O5102-07	67S-SB09-1314.5	94	1.19	8.79	9.98	5.8	52.4	
O5102-08	67S-SB11-1218	95	1.12	8.46	9.58	8.11	82.6	
O5102-09	67S-SB11-1218-D	96	1.19	8.47	9.66	8.02	80.6	
O5102-10	67S-SB14-1216	97	1.11	8.76	9.87	8.07	79.5	
O5102-11	67S-SB16-1617	98	1.17	8.55	9.72	7.46	73.6	
O5102-13	67-IDW-01	99	1.13	8.52	9.65	8.02	80.9	
O5244-01	1A	1	1.14	8.63	9.77	7.54	74.2	
O5244-04	2A	2	1.18	8.48	9.66	8.15	82.2	
O5244-07	3A	3	1.16	8.50	9.66	8.22	83.1	
O5244-10	4A	4	1.19	8.78	9.97	8.58	84.2	
O5244-13	5A	5	1.11	8.47	9.58	8.47	86.9	
O5244-16	6A	6	1.19	8.71	9.9	6.99	66.6	
O5244-19	7A	7	1.19	8.79	9.98	7.01	66.2	
O5245-02	8A	8	1.16	8.48	9.64	6.25	60.0	
O5245-05	9A	9	1.19	8.55	9.74	7.21	70.4	
O5245-08	10A	10	1.13	8.67	9.8	7.04	68.2	
O5245-11	11A	11	1.16	8.68	9.84	7.72	75.6	
O5245-14	12A	12	1.15	8.83	9.98	8.19	79.7	
O5245-17	13A	13	1.14	8.68	9.82	8.6	85.9	
O5245-20	14A	14	1.19	8.79	9.98	8.86	87.3	
O5246-03	15A	15	1.18	8.64	9.82	8.47	84.4	
O5246-06	16A	16	1.13	8.84	9.97	9.00	89.0	
O5246-09	17A	17	1.16	8.80	9.96	8.81	86.9	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5246-12	18A	18	1.13	8.75	9.88	8.64	85.8	
O5246-15	19A	19	1.18	8.50	9.68	8.56	86.8	
O5246-18	20B	20	1.18	8.78	9.96	7.48	71.8	
O5247-01	21B	21	1.18	8.46	9.64	8.2	83.0	
O5247-04	22B	22	1.18	8.79	9.97	8.7	85.6	
O5247-07	23B	23	1.15	8.80	9.95	8.51	83.6	
O5247-10	24B	24	1.18	8.41	9.59	8.37	85.5	
O5247-13	25B	25	1.14	8.65	9.79	8.84	89.0	
O5247-16	26A	26	1.17	8.57	9.74	8.42	84.6	
O5247-19	27A	27	1.19	8.59	9.78	7.36	71.8	
O5248-02	28A	28	1.19	8.80	9.99	7.44	71.0	
O5248-03	29A	29	1.12	8.71	9.83	8.21	81.4	
O5248-04	30A	30	1.19	8.58	9.77	7.99	79.3	
O5248-05	31A	31	1.15	8.53	9.68	7.61	75.7	
O5248-06	32A	32	1.19	8.73	9.92	7.88	76.6	
O5248-07	33A	33	1.18	8.80	9.98	7.29	69.4	
O5248-08	34A	34	1.19	8.60	9.79	8.26	82.2	
O5248-09	35A	35	1.16	8.58	9.74	7.74	76.7	
O5248-10	DUP-1	36	1.15	8.51	9.66	7.49	74.5	
O5248-13	DUP-4	37	1.16	8.81	9.97	7.83	75.7	
O5248-14	DUP-5	38	1.19	8.55	9.74	8.32	83.4	
O5248-16	DUP-7	39	1.19	8.51	9.7	7.1	69.4	
O5251-01	T-1	40	1.12	8.76	9.88	8.27	81.6	
O5251-02	T-2	41	1.19	8.50	9.69	8.42	85.1	
O5251-03	T-3	42	1.15	8.52	9.67	8.14	82.0	
O5251-04	T-4	43	1.19	8.43	9.62	8.39	85.4	
O5251-05	T-5	44	1.16	8.39	9.55	8.39	86.2	
O5251-06	T-6	45	1.18	8.63	9.81	8.22	81.6	

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5251-07	T-7	46	1.17	8.50	9.67	8.55	86.8	
O5251-08	T-8	47	1.19	8.69	9.88	8.73	86.8	
O5251-09	T-9	48	1.12	8.70	9.82	8.76	87.8	
O5251-10	T-10	49	1.19	8.73	9.92	8.85	87.7	
O5251-11	T-11	50	1.19	8.65	9.84	8.68	86.6	
O5252-01	WASTE	51	1.17	8.60	9.77	8.96	90.6	
O5253-01	L-1(65FT)(5-10)	52	1.18	8.53	9.71	8.35	84.1	
O5253-02	L-6(0-5)	53	1.13	8.53	9.66	8.76	89.4	
O5253-03	L-3(120FT)(0-5)	54	1.15	8.57	9.72	9.00	91.6	
O5253-04	L-3(195FT)(0-5)	55	1.19	8.58	9.77	9.02	91.3	
O5258-01	01-A-01-B-01-C	56	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-02	02-A-02-B-02-C	57	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-03	03-A-03-B-03-C	58	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-04	04-A-04-B-04-C	59	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-05	05-A-05-B-05-C	60	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-06	06-A-06-B-06-C	61	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-07	07-A-07-B-07-C	62	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-08	08-A-08-B-08-C	63	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-09	09-A-09-B-09-C	64	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-10	10-A-10-B-10-C	65	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-11	11-A-11-B-11-C	66	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-12	12-A-12-B-12-C	67	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-13	13-A-14-B-14-C	68	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-14	14-A-14-B-14-C	69	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-15	15-A-15-B-15-C	70	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-16	16-A-16-B-16-C	71	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-17	17-A-17-B-17-C	72	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-18	18-A-18-B-18-C	73	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE

CHEMTECH

PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 11/7/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 11/06/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/07/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC: LB128195

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
O5258-19	19-A-19-B-19-C	74	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-20	20-A-20-B-20-C	75	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-21	21-A-21-B-21-C	76	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-22	22-A-22-B-22-C	77	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-23	23-A-23-B-23-C	78	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-24	24-A-24-B-24-C	79	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-25	25-A-25-B-25-C	80	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-26	26-A-26-B-26-C	81	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5258-27	27-A-27-B-27-C	82	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O5266-01	1203	83	1.15	8.42	9.57	9.24	96.1	
O5267-01	ETGI-320	86	1.00	1.00	2.00	2.00	100.0	CONCRETE SAMPLE
O5270-01	OR-3-110623	84	1.18	8.80	9.98	9.34	92.7	
O5270-02	OR-3-110623-E2	85	1.13	8.80	9.93	9.01	89.5	
O5272-01	001	87	1.15	8.39	9.54	7.94	80.9	
O5272-02	002	88	1.15	8.39	9.54	7.94	80.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

VB 128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5102-02	67S-SB02-0815	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-03	67S-SB02-2628	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-04	67S-SB04-1419	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-05	67S-SB07-1418	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-06	67S-SB08-1619	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-07	67S-SB09-1314.5	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-08	67S-SB11-1218	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/23/2023	Chemtech -SO
O5102-09	67S-SB11-1218-D	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5102-10	67S-SB14-1216	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5102-11	67S-SB16-1617	Solid	Percent Solids	Cool 4 deg C	TETR16	I41	10/24/2023	Chemtech -SO
O5244-01	1A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-04	2A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-07	3A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-10	4A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-13	5A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-16	6A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5244-19	7A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-02	8A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-05	9A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-08	10A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-11	11A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JR (WC)

Raw Sample Relinquished by:

Date/Time 11.06.23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JR (WC)

WORKLIST(Hardcopy Internal Chain)

VB 128195

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5245-14	12A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-17	13A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5245-20	14A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-03	15A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-06	16A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-09	17A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-12	18A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-15	19A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5246-18	20B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5247-01	21B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5247-04	22B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-07	23B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-10	24B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-13	25B	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-16	26A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5247-19	27A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5248-02	28A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/03/2023	Chemtech -SO
O5248-03	29A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-04	30A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-05	31A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-06	32A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO

Date/Time 11-06-23 15:30

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by:

Date/Time 11-06-23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JP (WC)

WORKLIST(Hardcopy Internal Chain)

VB128195

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5248-07	33A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-08	34A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-09	35A	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-10	DUP-1	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-13	DUP-4	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-14	DUP-5	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5248-16	DUP-7	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5251-01	T-1	Solid	Percent Solids	Cool 4 deg C	ATCE02	I41	11/02/2023	Chemtech -SO
O5251-02	T-2	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-03	T-3	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-04	T-4	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-05	T-5	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-06	T-6	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-07	T-7	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-08	T-8	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-09	T-9	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-10	T-10	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5251-11	T-11	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5252-01	WASTE	Solid	Percent Solids	Cool 4 deg C	RMJE02	L21	11/02/2023	Chemtech -SO
O5253-01	L-1(65FT)(5-10)	Solid	Percent Solids	Cool 4 deg C	RMJE02	I31	11/03/2023	Chemtech -SO
O5253-02	L-6(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/02/2023	Chemtech -SO
					GEIC06	L21	11/03/2023	Chemtech -SO

Date/Time 11-06-23 15:30

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by:

Date/Time 11-06-23 17:30

Raw Sample Received by:

Raw Sample Relinquished by: JP (WC)

NB128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5253-03	L-3(120FT)(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/03/2023	Chemtech -SO
O5253-04	L-3(195FT)(0-5)	Solid	Percent Solids	Cool 4 deg C	GEIC06	L21	11/03/2023	Chemtech -SO
O5258-01	01-A-01-B-01-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-02	02-A-02-B-02-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-03	03-A-03-B-03-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-04	04-A-04-B-04-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-05	05-A-05-B-05-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-06	06-A-06-B-06-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-07	07-A-07-B-07-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-08	08-A-08-B-08-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-09	09-A-09-B-09-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-10	10-A-10-B-10-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-11	11-A-11-B-11-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-12	12-A-12-B-12-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-13	13-A-14-B-14-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-14	14-A-14-B-14-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-15	15-A-15-B-15-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-16	16-A-16-B-16-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-17	17-A-17-B-17-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-18	18-A-18-B-18-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-19	19-A-19-B-19-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JD (CWC)

Raw Sample Relinquished by: CP Sm

Date/Time 11.06.23 17:30

Raw Sample Received by: CP Sm

Raw Sample Relinquished by: JD (CWC)

NB128195

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-110623 **WorkList ID :** 175305 **Department :** Wet-Chemistry **Date :** 11-06-2023 08:43:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5258-20	20-A-20-B-20-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-21	21-A-21-B-21-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-22	22-A-22-B-22-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-23	23-A-23-B-23-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-24	24-A-24-B-24-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-25	25-A-25-B-25-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-26	26-A-26-B-26-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5258-27	27-A-27-B-27-C	Solid	Percent Solids	Cool 4 deg C	BSIG01	L21	11/03/2023	Chemtech -SO
O5266-01	1203	Solid	Percent Solids	Cool 4 deg C	PSEG03	I41	11/06/2023	Chemtech -SO
O5267-01	ETGI-320	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/06/2023	Chemtech -SO
O5270-01	OR-3-110623	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	11/06/2023	Chemtech -SO
O5270-02	OR-3-110623-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I31	11/06/2023	Chemtech -SO
O5272-01	001	Solid	Percent Solids	Cool 4 deg C	CONS03	I41	11/02/2023	Chemtech -SO
O5272-02	002	Solid	Percent Solids	Cool 4 deg C	CONS03	I41	11/02/2023	Chemtech -SO

Date/Time 11.06.23 15:30

Raw Sample Received by: JD (CEC)

Raw Sample Relinquished by: CR SM

Date/Time 11.06.23 17:30

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JD (CEC)

CHEMTECH

EXTRACTION LOGPAGE

PB156921

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/06/2023
Matrix :	Solid			**Extraction Start Time :**	09:48
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	11/06/2023
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RJ
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6302
Surrogate	1.0ML	100/150 PPM	SP6274
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	EP2392
Baked Na2SO4	N/A	EP2405
Sand	N/A	E2865
Methylene Chloride	N/A	E3593
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# 2210678. O5252,5253 Added in batch at 09:50.

KD Bath ID:	N/A	**Envap ID:**	NE VAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/23	RP (204.765)	JU/GC -
13.35	**Preparation Group**	**Analysis Group**

CHEMTECH

EXTRACTION LOGPAGE

PrepBatch ID : PB156921

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/06/2023

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB156921BL	SBLK921	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U6-1
PB156921BS	SLCS921	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			2
O5252-01	WASTE	SVOC-TCL BNA -20	30.05	N/A	ritesh	RUPESH	1	B		3
O5253-01	L-1(65FT)(5-10)	SVOC-TCL BNA -20	30.09	N/A	ritesh	RUPESH	1	E		4
O5253-02	L-6(0-5)	SVOC-TCL BNA -20	30.02	N/A	ritesh	RUPESH	1	E		5
O5253-03	L-3(120FT)(0-5)	SVOC-TCL BNA -20	30.07	N/A	ritesh	RUPESH	1	E		6
O5253-04	L-3(195FT)(0-5)	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		U7-1
O5256-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	B		2
O5256-05	WC-11	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		3
O5256-09	WC-10	SVOC-TCL BNA -20	50.07	N/A	ritesh	RUPESH	1	B		4
O5257-01	WC-6	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	B		5
O5257-05	WC-2	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	B		6
O5257-05MS	WC-2MS	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	B		U1-1
O5257-05MSD	WC-2MSD	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	B		2
O5257-09	WC-3	SVOC-TCL BNA -20	50.04	N/A	ritesh	RUPESH	1	B		3

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

11/6/23

175921
9:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : O5256S **WorkList ID :** 175304 **Department :** Extraction **Date :** 11-06-2023 08:43:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5256-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-05	WC-11	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5256-09	WC-10	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-01	WC-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-05	WC-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E
O5257-09	WC-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	11/03/2023	8270E

Date/Time 11/6/23 9:45
Raw Sample Received by: RJ (Gel lab)
Raw Sample Relinquished by: SM

Date/Time 11/6/23 19:05
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (Gel lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p5252 **WorkList ID :** 175312 **Department :** Extraction **Date :** 11-06-2023 09:50:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5252-01	WASTE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	RMJE02	I31	11/03/2023	8270E
O5253-01	L-1(65FT)(5-10)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/02/2023	8270E
O5253-02	L-6(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-03	L-3(120FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E
O5253-04	L-3(195FT)(0-5)	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GEIC06	L21	11/03/2023	8270E

Date/Time 11/6/23 9:50

Raw Sample Received by: RJ (Sol-Rich) SM

Raw Sample Relinquished by:

Date/Time 11/6/23 10:05

Raw Sample Received by: SM

Raw Sample Relinquished by: RJ (Sol-Rich)

CHEMTECH

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.
QUOTE NO. 05252
COC Number 2042541

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RMJ
ADDRESS: PO Box 719
CITY Totowa STATE: NJ ZIP: 07511
ATTENTION: Jonathan Pereira
PHONE: 5512719485 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 245 Greenwood
PROJECT NO.: LOCATION: Midland Park
PROJECT MANAGER: Jonathan Pereira
e-mail:
PHONE: 9736330020 FAX: 9736330019

CLIENT BILLING INFORMATION

BILL TO: RMJ PO#:
ADDRESS: PO Box 719
CITY Totowa STATE: NJ ZIP: 07511
ATTENTION: Rita Della Fave PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 EPH
2 TAL/TCL + 30
3 Paint Filter
4 TCLP Metals
5 VOC
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
												A					← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER
1.	Waste	Soil	X		11/3/23	1120	2	X	X	X	H						H = Hold
2.	Waste - VOC	↓		X	11/3/23	1126	3					X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jpereira	11/3/23 1402	1. IT
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.8 °C
Comments: Hold TCLP Metal Analysis

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16

CHEMTECH

LOGIN REPORT/SAMPLE TRANSFER

Order ID : O5252 RMJE02
Client Name : RMJ Environomics, Inc.
Client Contact : Jonathan Pereira
Invoice Name : RMJ Environomics, Inc.
Invoice Contact : Jonathan Pereira

Order Date : 11/3/2023 2:14:16 PM
Project Name : 245 Greenwood Ave
Receive DateTime : 11/3/2023 2:02:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff : 11/6/2023 9:49:22 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
O5252-03	WASTE-VOC	Solid	11/03/2023	11:26					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : DW
Date / Time : 11/6/23 1030

Received By : Sam
Date / Time : 11/6/23 10:30 aej#6 R22
Storage Area : VOA Refridgerator Room