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

Cover Page

Order ID : P4722

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

Client : Walsh Construction Company II, LLC

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

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

Signature : _____

Date: 11/25/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P4722**

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

QA Review Signature: **JATIN SATHVARA** **Date:** **11/25/2024**

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	**WC-1(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-04	**WC-1(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-05	**WC-1(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/12/24	
P4722-08	**WC-2(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/08/24	
P4722-08DL	**WC-2(0-6)DL**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/14/24	
P4722-09	**WC-2(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-10	**WC-2(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	
P4722-13	**WC-3(0-6)**	**SOIL**			**11/05/24**			**11/05/24**
			SVOC-TCL BNA -20	8270E		11/07/24	11/07/24	
P4722-14	**WC-3(0-6)**	**TCLP**			**11/05/24**			**11/05/24**
			TCLP BNA	8270E		11/07/24	11/08/24	
P4722-15	**WC-3(0-6)**	**Water**			**11/05/24**			**11/05/24**
			SPLP BNA	8270E		11/10/24	11/14/24	

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Hit Summary Sheet
SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-2(0-6)								
P4722-10	WC-2(0-6)	WATER	Pentachlorophenol	9.800	J	1.9	10	ug/L
P4722-10	WC-2(0-6)	WATER	2,3,4,6-Tetrachlorophenol	2.200	J	0.79	5	ug/L
			Total Svoc :	**12.00**				
			Total Concentration:	**12.00**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4722-05	WC-1(0-6)	2-Fluorophenol	150	67.2	45		10	139
		Phenol-d6	150	45.8	31		10	134
		Nitrobenzene-d5	100	93.7	94		49	133
		2-Fluorobiphenyl	100	89.8	90		52	132
		2,4,6-Tribromophenol	150	152	102		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-10	WC-2(0-6)	2-Fluorophenol	150	74.5	50		10	139
		Phenol-d6	150	47.7	32		10	134
		Nitrobenzene-d5	100	95.3	95		49	133
		2-Fluorobiphenyl	100	90.7	91		52	132
		2,4,6-Tribromophenol	150	130	86		44	137
		Terphenyl-d14	100	98.7	99		48	125
P4722-15	WC-3(0-6)	2-Fluorophenol	150	66.4	44		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	94.1	94		49	133
		2-Fluorobiphenyl	100	94.4	94		52	132
		2,4,6-Tribromophenol	150	141	94		44	137
		Terphenyl-d14	100	111	111		48	125
P4722-15MS	WC-3(0-6)MS	2-Fluorophenol	150	68.4	46		10	139
		Phenol-d6	150	41.5	28		10	134
		Nitrobenzene-d5	100	87.1	87		49	133
		2-Fluorobiphenyl	100	87.7	88		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	98.2	98		48	125
P4722-15MSD	WC-3(0-6)MSD	2-Fluorophenol	150	67.3	45		10	139
		Phenol-d6	150	41.0	27		10	134
		Nitrobenzene-d5	100	88.0	88		49	133
		2-Fluorobiphenyl	100	88.5	89		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	97.3	97		48	125
PB164886BL	PB164886BL	2-Fluorophenol	150	153	102		10	139
		Phenol-d6	150	135	90		10	134
		Nitrobenzene-d5	100	98.0	98		49	133
		2-Fluorobiphenyl	100	103	103		52	132
		2,4,6-Tribromophenol	150	125	83		44	137
		Terphenyl-d14	100	99.2	99		48	125
PB164886BS	PB164886BS	2-Fluorophenol	150	123	82		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	84.1	84		49	133
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	130	87		44	137
		Terphenyl-d14	100	93.2	93		48	125
PB164886TB	PB164886TB	2-Fluorophenol	150	138	92		10	139
		Phenol-d6	150	134	90		10	134
		Nitrobenzene-d5	100	91.7	92		49	133
		2-Fluorobiphenyl	100	89.3	89		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	99.1	99		48	125

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MS		**Client Sample ID: WC-3(0-6)MS**						**DataFile:**	**BE101581.D**		
Benzaldehyde	50	0	7.60	ug/L	15				10	137	
Phenol	50	0	17.5	ug/L	35				10	130	
bis(2-Chloroethyl)ether	50	0	41.5	ug/L	83				29	141	
2-Chlorophenol	50	0	37.7	ug/L	75				23	127	
2-Methylphenol	50	0	34.4	ug/L	69				37	126	
2,2-oxybis(1-Chloropropane)	50	0	45.4	ug/L	91				36	141	
Acetophenone	50	0	42.0	ug/L	84				31	164	
3+4-Methylphenols	50	0	30.4	ug/L	61				31	127	
N-Nitroso-di-n-propylamine	50	0	46.1	ug/L	92				36	147	
Hexachloroethane	50	0	24.2	ug/L	48	*			49	110	
Nitrobenzene	50	0	41.0	ug/L	82				62	112	
Isophorone	50	0	44.1	ug/L	88				39	146	
2-Nitrophenol	50	0	41.0	ug/L	82				30	148	
2,4-Dimethylphenol	50	0	49.7	ug/L	99				17	143	
bis(2-Chloroethoxy)methane	50	0	43.7	ug/L	87				39	143	
2,4-Dichlorophenol	50	0	41.6	ug/L	83				22	146	
Naphthalene	50	0	36.6	ug/L	73				17	157	
4-Chloroaniline	50	0	21.1	ug/L	42				10	95	
Hexachlorobutadiene	50	0	26.9	ug/L	54				52	125	
Caprolactam	50	0	7.40	ug/L	15				10	130	
4-Chloro-3-methylphenol	50	0	39.7	ug/L	79				17	148	
2-Methylnaphthalene	50	0	41.1	ug/L	82				38	146	
Hexachlorocyclopentadiene	100	0	120	ug/L	120				20	153	
2,4,6-Trichlorophenol	50	0	44.0	ug/L	88				78	112	
2,4,5-Trichlorophenol	50	0	42.6	ug/L	85				71	111	
1,1-Biphenyl	50	0	42.4	ug/L	85				38	154	
2-Chloronaphthalene	50	0	40.8	ug/L	82				41	145	
2-Nitroaniline	50	0	48.3	ug/L	97				39	151	
Dimethylphthalate	50	0	45.8	ug/L	92				42	147	
Acenaphthylene	50	0	46.3	ug/L	93				40	141	
2,6-Dinitrotoluene	50	0	43.0	ug/L	86				43	148	
3-Nitroaniline	50	0	27.5	ug/L	55				10	111	
Acenaphthene	50	0	45.1	ug/L	90				37	146	
2,4-Dinitrophenol	100	0	96.6	ug/L	97				14	167	
4-Nitrophenol	100	0	36.6	ug/L	37				10	130	
Dibenzofuran	50	0	45.2	ug/L	90				41	145	
2,4-Dinitrotoluene	50	0	45.7	ug/L	91				50	142	
Diethylphthalate	50	0	46.8	ug/L	94				41	148	
4-Chlorophenyl-phenylether	50	0	44.7	ug/L	89				38	149	
Fluorene	50	0	46.1	ug/L	92				39	144	
4-Nitroaniline	50	0	43.9	ug/L	88				27	138	
4,6-Dinitro-2-methylphenol	50	0	47.1	ug/L	94				32	175	
N-Nitrosodiphenylamine	50	0	46.5	ug/L	93				40	150	
4-Bromophenyl-phenylether	50	0	44.6	ug/L	89				42	151	
Hexachlorobenzene	50	0	43.5	ug/L	87				72	115	
Atrazine	50	0	60.6	ug/L	121				20	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	89.1	ug/L	89				25	139	
Phenanthrene	50	0	48.0	ug/L	96				40	147	
Anthracene	50	0	50.0	ug/L	100				41	146	
Carbazole	50	0	46.8	ug/L	94				37	154	
Di-n-butylphthalate	50	0	48.6	ug/L	97				40	151	
Fluoranthene	50	0	46.5	ug/L	93				42	146	
Pyrene	50	0	46.9	ug/L	94				41	149	
Butylbenzylphthalate	50	0	48.5	ug/L	97				39	155	
3,3-Dichlorobenzidine	50	0	33.6	ug/L	67				10	114	
Benzo(a)anthracene	50	0	47.8	ug/L	96				41	147	
Chrysene	50	0	48.0	ug/L	96				44	144	
bis(2-Ethylhexyl)phthalate	50	0	49.1	ug/L	98				33	160	
Di-n-octyl phthalate	50	0	49.6	ug/L	99				36	158	
Benzo(b)fluoranthene	50	0	45.4	ug/L	91				40	150	
Benzo(k)fluoranthene	50	0	48.8	ug/L	98				40	147	
Benzo(a)pyrene	50	0	49.3	ug/L	99				42	147	
Indeno(1,2,3-cd)pyrene	50	0	48.2	ug/L	96				30	166	
Dibenz(a,h)anthracene	50	0	48.4	ug/L	97				23	172	
Benzo(g,h,i)perylene	50	0	42.8	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	50	0	39.5	ug/L	79	*			89	102	
1,4-Dioxane	50	0	18.0	ug/L	36	*			38	130	
2,3,4,6-Tetrachlorophenol	50	0	45.3	ug/L	91				91	111	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4722-15MSD		**Client Sample ID: WC-3(0-6)MSD**						**DataFile: BE101582.D**			
Benzaldehyde	50	0	7.50	ug/L	15	0			10	137	20
Phenol	50	0	16.8	ug/L	34	3			10	130	20
bis(2-Chloroethyl)ether	50	0	40.1	ug/L	80	4			29	141	20
2-Chlorophenol	50	0	36.5	ug/L	73	3			23	127	20
2-Methylphenol	50	0	32.7	ug/L	65	6			37	126	20
2,2-oxybis(1-Chloropropane)	50	0	44.5	ug/L	89	2			36	141	20
Acetophenone	50	0	41.6	ug/L	83	1			31	164	20
3+4-Methylphenols	50	0	28.9	ug/L	58	5			31	127	20
N-Nitroso-di-n-propylamine	50	0	44.3	ug/L	89	3			36	147	20
Hexachloroethane	50	0	24.4	ug/L	49	2			49	110	20
Nitrobenzene	50	0	41.2	ug/L	82	0			62	112	20
Isophorone	50	0	44.0	ug/L	88	0			39	146	20
2-Nitrophenol	50	0	41.2	ug/L	82	0			30	148	20
2,4-Dimethylphenol	50	0	49.2	ug/L	98	1			17	143	20
bis(2-Chloroethoxy)methane	50	0	43.5	ug/L	87	0			39	143	20
2,4-Dichlorophenol	50	0	41.2	ug/L	82	1			22	146	20
Naphthalene	50	0	37.0	ug/L	74	1			17	157	20
4-Chloroaniline	50	0	19.8	ug/L	40	5			10	95	20
Hexachlorobutadiene	50	0	27.6	ug/L	55	2			52	125	20
Caprolactam	50	0	7.20	ug/L	14	7			10	130	20
4-Chloro-3-methylphenol	50	0	39.4	ug/L	79	0			17	148	20
2-Methylnaphthalene	50	0	41.1	ug/L	82	0			38	146	20
Hexachlorocyclopentadiene	100	0	130	ug/L	130	8			20	153	20
2,4,6-Trichlorophenol	50	0	44.2	ug/L	88	0			78	112	20
2,4,5-Trichlorophenol	50	0	43.4	ug/L	87	2			71	111	20
1,1-Biphenyl	50	0	42.8	ug/L	86	1			38	154	20
2-Chloronaphthalene	50	0	41.0	ug/L	82	0			41	145	20
2-Nitroaniline	50	0	48.4	ug/L	97	0			39	151	20
Dimethylphthalate	50	0	46.0	ug/L	92	0			42	147	20
Acenaphthylene	50	0	47.0	ug/L	94	1			40	141	20
2,6-Dinitrotoluene	50	0	43.7	ug/L	87	1			43	148	20
3-Nitroaniline	50	0	27.3	ug/L	55	0			10	111	20
Acenaphthene	50	0	45.4	ug/L	91	1			37	146	20
2,4-Dinitrophenol	100	0	97.8	ug/L	98	1			14	167	20
4-Nitrophenol	100	0	38.6	ug/L	39	5			10	130	20
Dibenzofuran	50	0	47.2	ug/L	94	4			41	145	20
2,4-Dinitrotoluene	50	0	47.3	ug/L	95	4			50	142	20
Diethylphthalate	50	0	47.8	ug/L	96	2			41	148	20
4-Chlorophenyl-phenylether	50	0	46.1	ug/L	92	3			38	149	20
Fluorene	50	0	48.1	ug/L	96	4			39	144	20
4-Nitroaniline	50	0	45.4	ug/L	91	3			27	138	20
4,6-Dinitro-2-methylphenol	50	0	47.5	ug/L	95	1			32	175	20
N-Nitrosodiphenylamine	50	0	47.1	ug/L	94	1			40	150	20
4-Bromophenyl-phenylether	50	0	45.2	ug/L	90	1			42	151	20
Hexachlorobenzene	50	0	44.3	ug/L	89	2			72	115	20
Atrazine	50	0	60.2	ug/L	120	1			20	162	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	91.2	ug/L	91		2		25	139	20
Phenanthrene	50	0	48.1	ug/L	96		0		40	147	20
Anthracene	50	0	49.1	ug/L	98		2		41	146	20
Carbazole	50	0	46.4	ug/L	93		1		37	154	20
Di-n-butylphthalate	50	0	48.6	ug/L	97		0		40	151	20
Fluoranthene	50	0	45.6	ug/L	91		2		42	146	20
Pyrene	50	0	47.4	ug/L	95		1		41	149	20
Butylbenzylphthalate	50	0	49.4	ug/L	99		2		39	155	20
3,3-Dichlorobenzidine	50	0	34.1	ug/L	68		1		10	114	20
Benzo(a)anthracene	50	0	48.2	ug/L	96		0		41	147	20
Chrysene	50	0	47.8	ug/L	96		0		44	144	20
bis(2-Ethylhexyl)phthalate	50	0	47.8	ug/L	96		2		33	160	20
Di-n-octyl phthalate	50	0	48.4	ug/L	97		2		36	158	20
Benzo(b)fluoranthene	50	0	47.0	ug/L	94		3		40	150	20
Benzo(k)fluoranthene	50	0	52.1	ug/L	104		6		40	147	20
Benzo(a)pyrene	50	0	49.6	ug/L	99		0		42	147	20
Indeno(1,2,3-cd)pyrene	50	0	49.1	ug/L	98		2		30	166	20
Dibenz(a,h)anthracene	50	0	49.2	ug/L	98		1		23	172	20
Benzo(g,h,i)perylene	50	0	43.9	ug/L	88		2		27	167	20
1,2,4,5-Tetrachlorobenzene	50	0	40.1	ug/L	80	*	1		89	102	20
1,4-Dioxane	50	0	17.6	ug/L	35	*	3		38	130	20
2,3,4,6-Tetrachlorophenol	50	0	47.8	ug/L	96		5		91	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164886BS	Benzaldehyde	50	0	ug/L	0		*		10	162	
	Phenol	50	40.9	ug/L	82				66	118	
	bis(2-Chloroethyl)ether	50	43.2	ug/L	86				62	103	
	2-Chlorophenol	50	44.2	ug/L	88				70	117	
	2-Methylphenol	50	42.1	ug/L	84				69	109	
	2,2-oxybis(1-Chloropropane)	50	41.0	ug/L	82				65	100	
	Acetophenone	50	41.8	ug/L	84				60	104	
	3+4-Methylphenols	50	42.5	ug/L	85				67	106	
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82				57	107	
	Hexachloroethane	50	42.0	ug/L	84				76	118	
	Nitrobenzene	50	40.3	ug/L	81				58	106	
	Isophorone	50	41.5	ug/L	83				61	102	
	2-Nitrophenol	50	43.7	ug/L	87				70	115	
	2,4-Dimethylphenol	50	50.9	ug/L	102				42	142	
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82				58	109	
	2,4-Dichlorophenol	50	42.7	ug/L	85				66	115	
	Naphthalene	50	41.2	ug/L	82				64	107	
	4-Chloroaniline	50	31.3	ug/L	63				10	85	
	Hexachlorobutadiene	50	40.5	ug/L	81				69	101	
	Caprolactam	50	44.2	ug/L	88				58	128	
	4-Chloro-3-methylphenol	50	42.7	ug/L	85				65	114	
	2-Methylnaphthalene	50	41.5	ug/L	83				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	43.0	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	42.3	ug/L	85				70	106	
	1,1-Biphenyl	50	41.2	ug/L	82				72	98	
	2-Chloronaphthalene	50	41.0	ug/L	82				59	106	
	2-Nitroaniline	50	44.4	ug/L	89				73	114	
	Dimethylphthalate	50	42.8	ug/L	86				64	103	
	Acenaphthylene	50	45.0	ug/L	90				79	103	
	2,6-Dinitrotoluene	50	41.5	ug/L	83				64	110	
	3-Nitroaniline	50	33.0	ug/L	66				28	100	
	Acenaphthene	50	48.4	ug/L	97				59	113	
	2,4-Dinitrophenol	100	96.7	ug/L	97				36	166	
	4-Nitrophenol	100	89.1	ug/L	89				45	147	
	Dibenzofuran	50	43.3	ug/L	87				65	106	
	2,4-Dinitrotoluene	50	44.1	ug/L	88				60	115	
	Diethylphthalate	50	42.3	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	41.5	ug/L	83				61	104	
	Fluorene	50	42.1	ug/L	84				64	107	
	4-Nitroaniline	50	43.7	ug/L	87				55	125	
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98				62	132	
	N-Nitrosodiphenylamine	50	43.7	ug/L	87				61	109	
	4-Bromophenyl-phenylether	50	42.1	ug/L	84				73	103	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E **DataFile:** BF140394.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164886BS	Hexachlorobenzene	50	42.3	ug/L	85				73	106	
	Atrazine	50	35.1	ug/L	70		*		76	120	
	Pentachlorophenol	100	83.4	ug/L	83				47	114	
	Phenanthrene	50	43.7	ug/L	87				62	109	
	Anthracene	50	45.3	ug/L	91				65	110	
	Carbazole	50	43.0	ug/L	86				62	106	
	Di-n-butylphthalate	50	41.4	ug/L	83				64	106	
	Fluoranthene	50	42.0	ug/L	84				64	110	
	Pyrene	50	46.1	ug/L	92				71	103	
	Butylbenzylphthalate	50	46.2	ug/L	92				61	105	
	3,3-Dichlorobenzidine	50	38.3	ug/L	77				43	108	
	Benzo(a)anthracene	50	45.8	ug/L	92				62	107	
	Chrysene	50	45.0	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	44.4	ug/L	89				59	110	
	Di-n-octyl phthalate	50	43.7	ug/L	87				52	139	
	Benzo(b)fluoranthene	50	38.5	ug/L	77				77	113	
	Benzo(k)fluoranthene	50	46.7	ug/L	93				77	105	
	Benzo(a)pyrene	50	46.7	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	46.0	ug/L	92				72	105	
	Dibenz(a,h)anthracene	50	45.3	ug/L	91				78	115	
	Benzo(g,h,i)perylene	50	41.5	ug/L	83				75	118	
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84				72	101	
	1,4-Dioxane	50	36.8	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.8	ug/L	94				63	116	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164886BL

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BE101576.D Lab Sample ID: PB164886BL

Instrument ID: BNA_E Date Extracted: 11/10/2024

Matrix: (soil/water) Water Date Analyzed: 11/12/2024

Level: (low/med) LOW Time Analyzed: 11:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024
PB164886BS	PB164886BS	BF140394.D	11/15/2024
PB164886TB	PB164886TB	BF140599.D	11/25/2024
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024

COMMENTS:

Raw Data: **BE101491.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

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

Instrument ID: BNA_E DFTPP Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.8
68	Less than 2.0% of mass 69	0.2 (1.3) 1
69	Mass 69 relative abundance	16
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	23.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	18.3
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101493.D	11/06/2024	13:51
SSTDICC005	SSTDICC005	BE101494.D	11/06/2024	14:27
SSTDICC010	SSTDICC010	BE101495.D	11/06/2024	15:03
SSTDICC020	SSTDICC020	BE101496.D	11/06/2024	15:39
SSTDICCC040	SSTDICCC040	BE101497.D	11/06/2024	16:14
SSTDICC050	SSTDICC050	BE101498.D	11/06/2024	16:50
SSTDICC060	SSTDICC060	BE101499.D	11/06/2024	17:26
SSTDICC080	SSTDICC080	BE101500.D	11/06/2024	18:02

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BE101574.D DFTPP Injection Date: 11/12/2024

Instrument ID: BNA_E DFTPP Injection Time: 09:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.7
68	Less than 2.0% of mass 69	0.3 (1.7) 1
69	Mass 69 relative abundance	15.6
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22.6
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.5
275	10.0 - 60.0% of mass 198	18
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101575.D	11/12/2024	10:18
PB164886BL	PB164886BL	BE101576.D	11/12/2024	11:11
WC-1(0-6)	P4722-05	BE101578.D	11/12/2024	12:29
WC-3(0-6)MS	P4722-15MS	BE101581.D	11/12/2024	14:13
WC-3(0-6)MSD	P4722-15MSD	BE101582.D	11/12/2024	14:49

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BF140331.D DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F DFTPP Injection Time: 08:35

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

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BF140365.D DFTPP Injection Date: 11/14/2024

Instrument ID: BNA_F DFTPP Injection Time: 16:35

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140366.D	11/14/2024	17:02
WC-2(0-6)	P4722-10	BF140368.D	11/14/2024	17:59
WC-3(0-6)	P4722-15	BF140369.D	11/14/2024	18:25

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BF140390.D DFTPP Injection Date: 11/15/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	83
443	15.0 - 24.0% of mass 442	15.9 (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	BF140391.D	11/15/2024	09:42
PB164886BS	PB164886BS	BF140394.D	11/15/2024	11:00

Raw Data: **BF140526.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BF140526.D DFTPP Injection Date: 11/21/2024

Instrument ID: BNA_F DFTPP Injection Time: 10:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.3
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	48
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.2
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	99.8
443	15.0 - 24.0% of mass 442	18.1 (18.1) 2

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: WALS01

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

Lab File ID: BF140589.D DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_F DFTPP Injection Time: 09:07

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	98.2
443	15.0 - 24.0% of mass 442	18.5 (18.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140590.D	11/25/2024	09:33
PB164886TB	PB164886TB	BF140599.D	11/25/2024	13:27

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	74030	7.553	315608	10.33	204281	14.17
	UPPER LIMIT	148060	8.053	631216	10.826	408562	14.669
	LOWER LIMIT	37015	7.053	157804	9.826	102141	13.669
	EPA SAMPLE NO.						
01	PB164886BL	43722	7.56	176416	10.32	107077	14.17
02	WC-1(0-6)	37247	7.55	175455	10.32	135773	14.16
03	WC-3(0-6)MS	40085	7.55	193126	10.32	136804	14.16
04	WC-3(0-6)MSD	43626	7.55	201868	10.32	141265	14.17

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

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

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

284 Sheffield Street, Mountainside, New Jersey 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.: P4722 SAS No.: P4722 SDG NO.: P4722

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/12/2024

Lab File ID: BE101575.D Time Analyzed: 10:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	460719	16.907	529921	21.072	667920	23.352
	UPPER LIMIT	921438	17.407	1059840	21.572	1335840	23.852
	LOWER LIMIT	230360	16.407	264961	20.572	333960	22.852
	EPA SAMPLE NO.						
01	PB164886BL	234410	16.90	303518	21.07	454322	23.35
02	WC-1(0-6)	333737	16.90	375483	21.06	475775	23.35
03	WC-3(0-6)MS	318029	16.90	362423	21.07	463405	23.35
04	WC-3(0-6)MSD	336224	16.91	377212	21.07	473853	23.35

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

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

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	130579	6.875	484942	8.16	265027	9.91
	UPPER LIMIT	261158	7.375	969884	8.657	530054	10.41
	LOWER LIMIT	65289.5	6.375	242471	7.657	132514	9.41
	EPA SAMPLE NO.						
01	WC-2(0-6)	124042	6.87	464909	8.15	252110	9.90
02	WC-3(0-6)	119391	6.87	441580	8.15	232299	9.90

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/14/2024

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

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	494420	11.398	287889	14.062	258896	15.592
	UPPER LIMIT	988840	11.898	575778	14.562	517792	16.092
	LOWER LIMIT	247210	10.898	143945	13.562	129448	15.092
	EPA SAMPLE NO.						
01	WC-2(0-6)	459695	11.39	260161	14.05	261026	15.55
02	WC-3(0-6)	429770	11.39	232532	14.05	241777	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	137586	6.881	510501	8.16	282269	9.92
	UPPER LIMIT	275172	7.381	1021000	8.657	564538	10.416
	LOWER LIMIT	68793	6.381	255251	7.657	141135	9.416
	EPA SAMPLE NO.						
01	PB164886BS	150149	6.88	576878	8.16	316651	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/15/2024

Lab File ID: BF140391.D Time Analyzed: 09:42

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	532450	11.404	316907	14.063	286665	15.574
	UPPER LIMIT	1064900	11.904	633814	14.563	573330	16.074
	LOWER LIMIT	266225	10.904	158454	13.563	143333	15.074
	EPA SAMPLE NO.						
01	PB164886BS	599000	11.40	344150	14.07	315700	15.58

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	105131	6.869	390145	8.15	212616	9.91
	UPPER LIMIT	210262	7.369	780290	8.651	425232	10.41
	LOWER LIMIT	52565.5	6.369	195073	7.651	106308	9.41
	EPA SAMPLE NO.						
01	PB164886TB	104822	6.87	403503	8.15	233025	9.90

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

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

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/25/2024

Lab File ID: BF140590.D Time Analyzed: 09:33

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	399326	11.398	244297	14.051	211888	15.545
	UPPER LIMIT	798652	11.898	488594	14.551	423776	16.045
	LOWER LIMIT	199663	10.898	122149	13.551	105944	15.045
	EPA SAMPLE NO.						
01	PB164886TB	439175	11.40	240574	14.05	200437	15.56

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

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

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

SAMPLE DATA

Raw Data: **BE101578.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BE101578.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BE101578.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-1(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-05	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101578.D	1	11/10/24 13:32	11/12/24 12:29	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.2		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	45.8		10 - 134	31%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		52 - 132	90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		44 - 137	102%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37200	7.553			
1146-65-2	Naphthalene-d8	175000	10.32			
15067-26-2	Acenaphthene-d10	136000	14.163			
1517-22-2	Phenanthrene-d10	334000	16.901			
1719-03-5	Chrysene-d12	375000	21.06			
1520-96-3	Perylene-d12	476000	23.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101578.D
Acq On : 12 Nov 2024 12:29
Operator : RC/JU
Sample : P4722-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 12 13:03:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.553	152	37247	20.000	ng	-0.01
21) Naphthalene-d8	10.320	136	175455	20.000	ng	-0.01
39) Acenaphthene-d10	14.163	164	135773	20.000	ng	-0.01
64) Phenanthrene-d10	16.901	188	333737	20.000	ng	-0.01
76) Chrysene-d12	21.060	240	375483	20.000	ng	-0.02
86) Perylene-d12	23.346	264	475775	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.308	112	141573	67.207	ng	0.00
7) Phenol-d6	6.930	99	132207	45.775	ng	-0.02
23) Nitrobenzene-d5	8.763	82	260141	93.652	ng	-0.01
42) 2,4,6-Tribromophenol	15.673	330	389053	152.281	ng	-0.01
45) 2-Fluorobiphenyl	12.788	172	746659	89.793	ng	-0.01
79) Terphenyl-d14	19.498	244	1890961	111.477	ng	0.00
Target Compounds						Qvalue

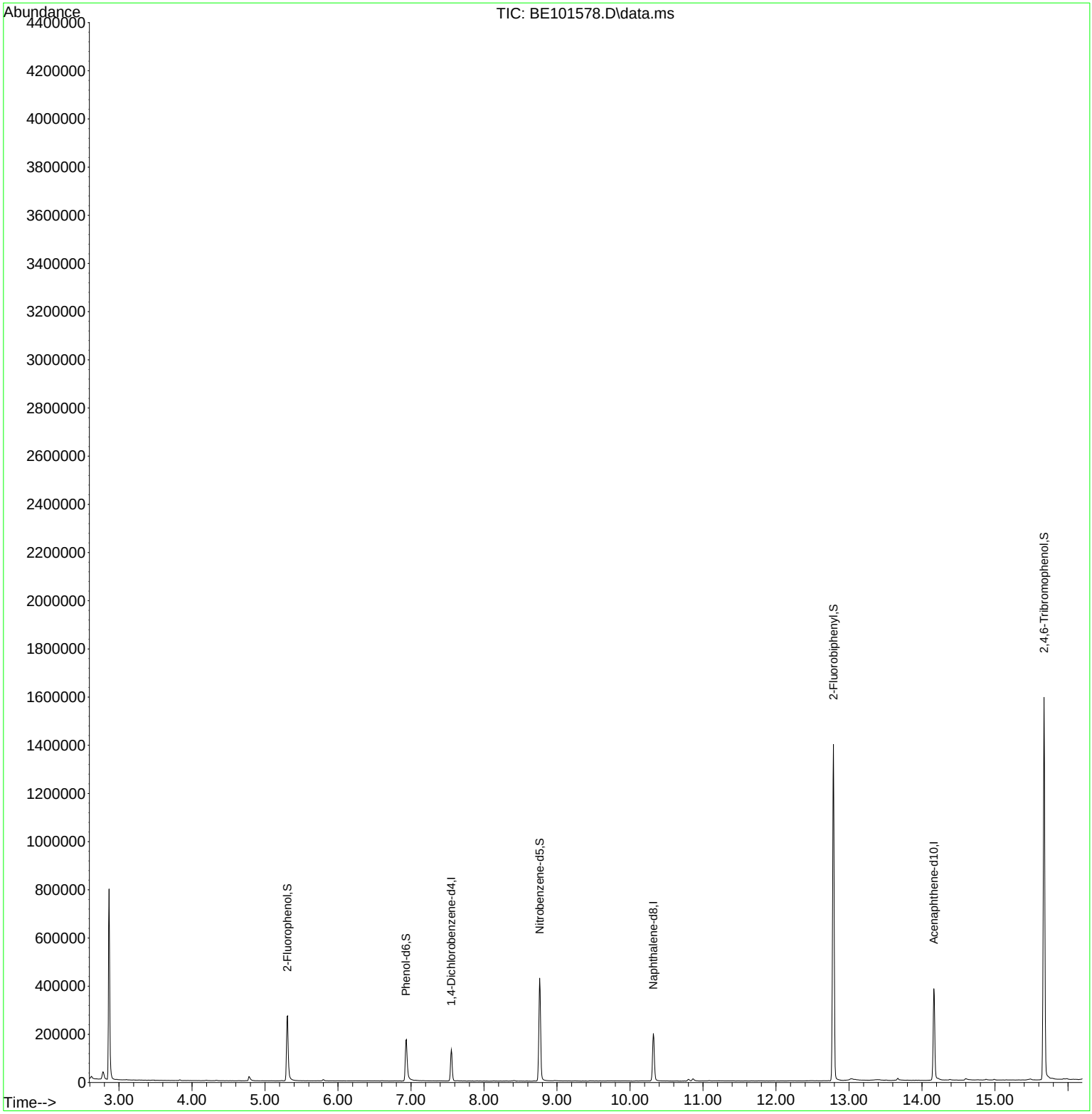
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BE101578.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101578.D
Acq On : 12 Nov 2024 12:29
Operator : RC/JU
Sample : P4722-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

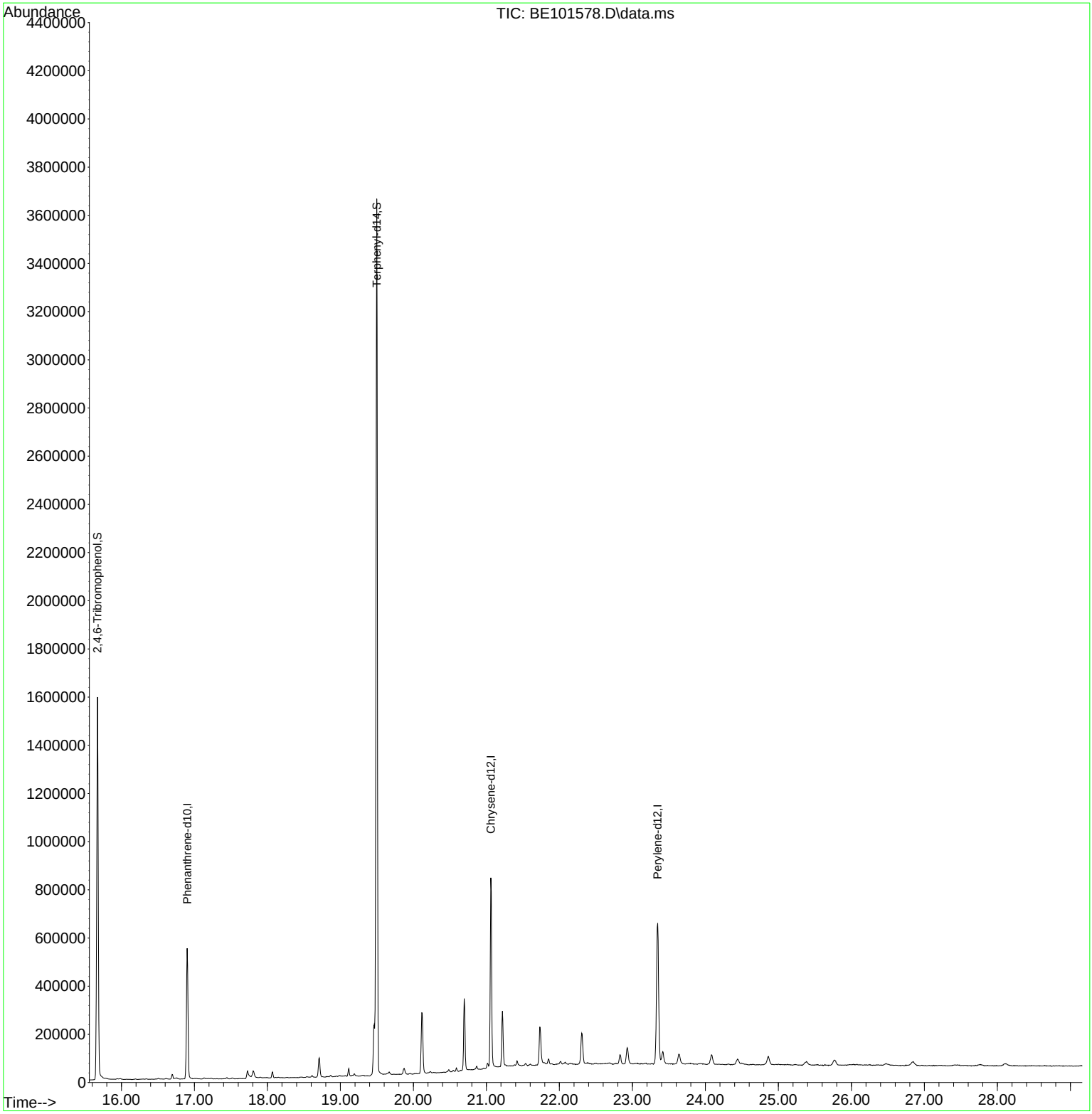
Quant Time: Nov 12 13:03:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

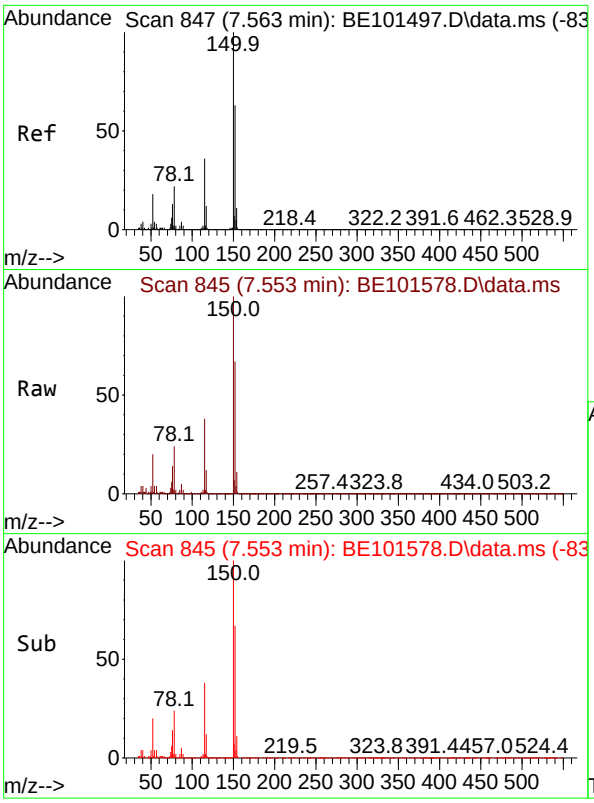


Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101578.D
Acq On : 12 Nov 2024 12:29
Operator : RC/JU
Sample : P4722-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 12 13:03:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



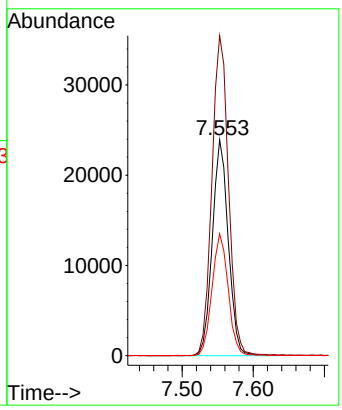


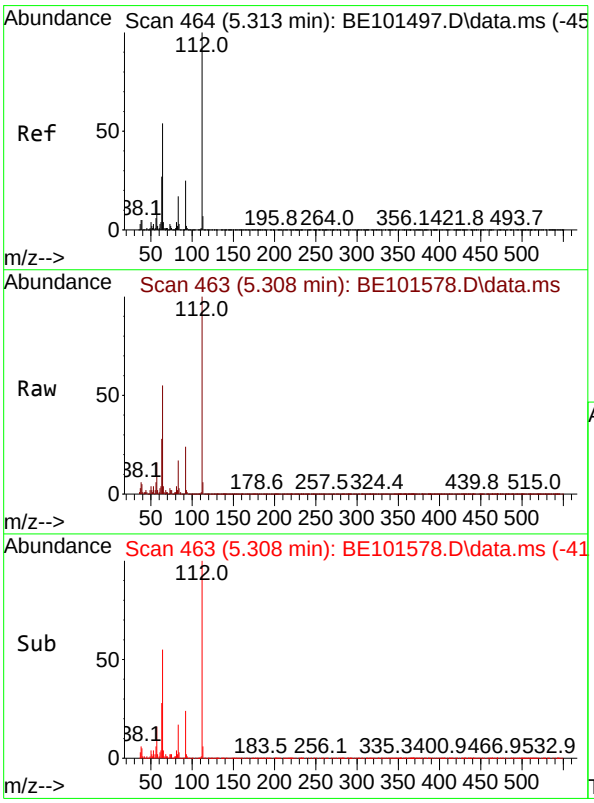
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.553 min Scan# 84
Delta R.T. -0.010 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion:152 Resp: 37247

Ion	Ratio	Lower	Upper
152	100		
150	148.3	126.3	189.5
115	56.5	45.0	67.4

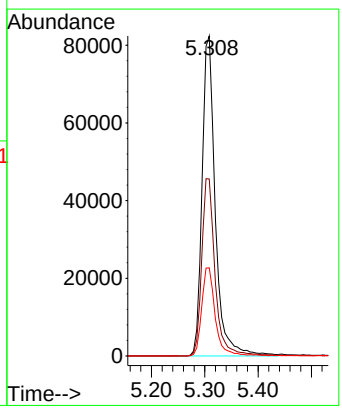


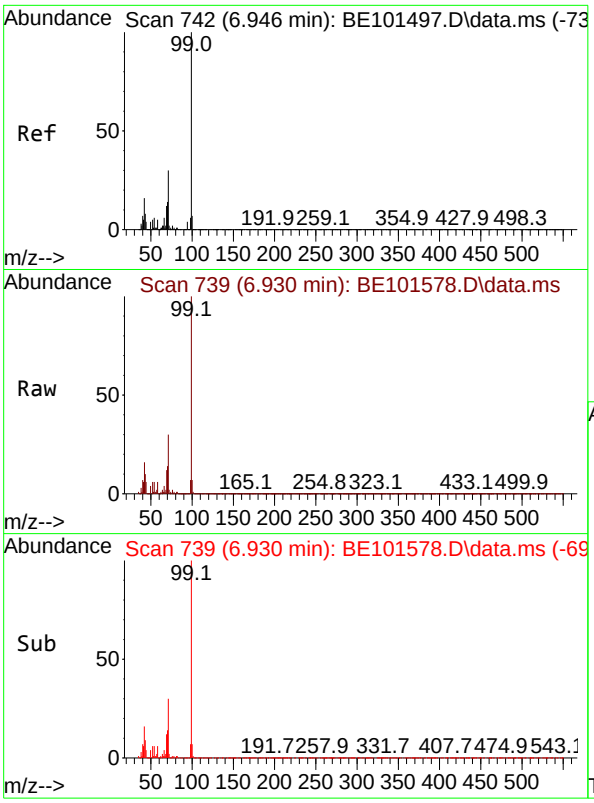


#5
2-Fluorophenol
Concen: 67.207 ng
RT: 5.308 min Scan# 463
Delta R.T. -0.005 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:112 Resp: 141573

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.2	64.8
63	27.6	21.8	32.6



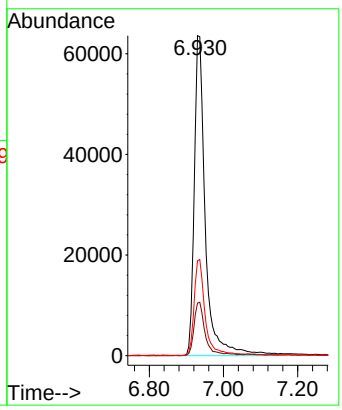


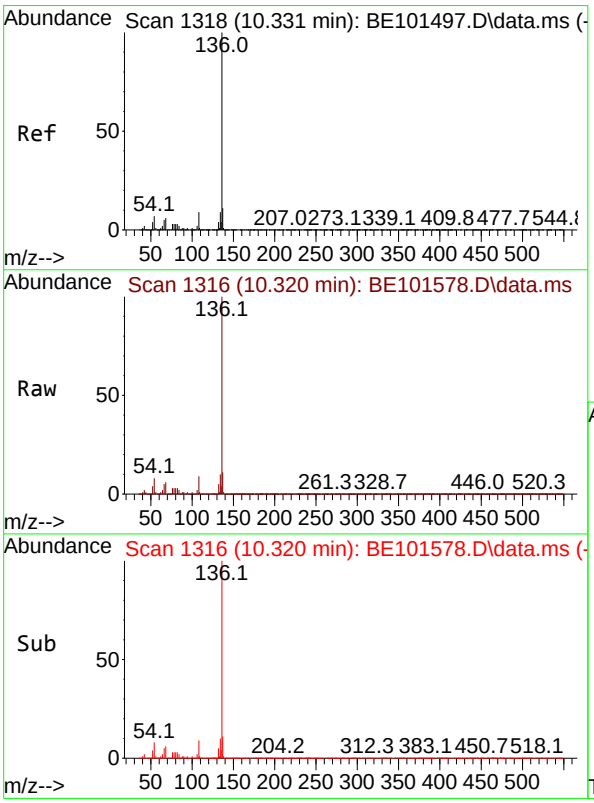
#7
Phenol-d6
Concen: 45.775 ng
RT: 6.930 min Scan# 7
Delta R.T. -0.016 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion: 99 Resp: 132207

Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.5	18.7
71	29.7	24.2	36.2

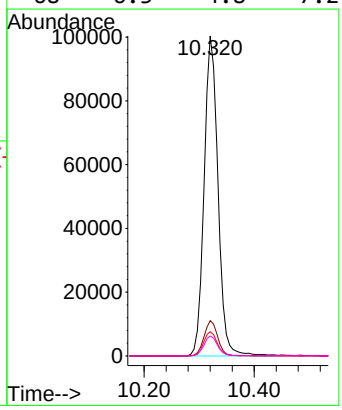


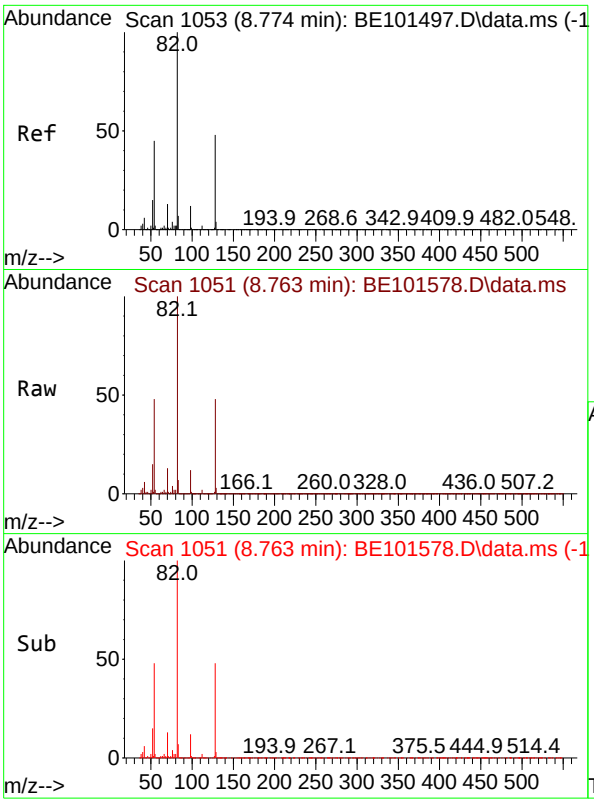


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.320 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:136 Resp: 175455

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.6	5.6	8.4
68	6.3	4.8	7.2



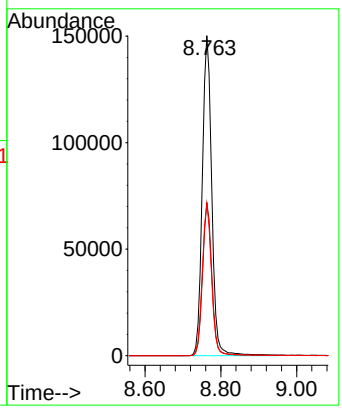


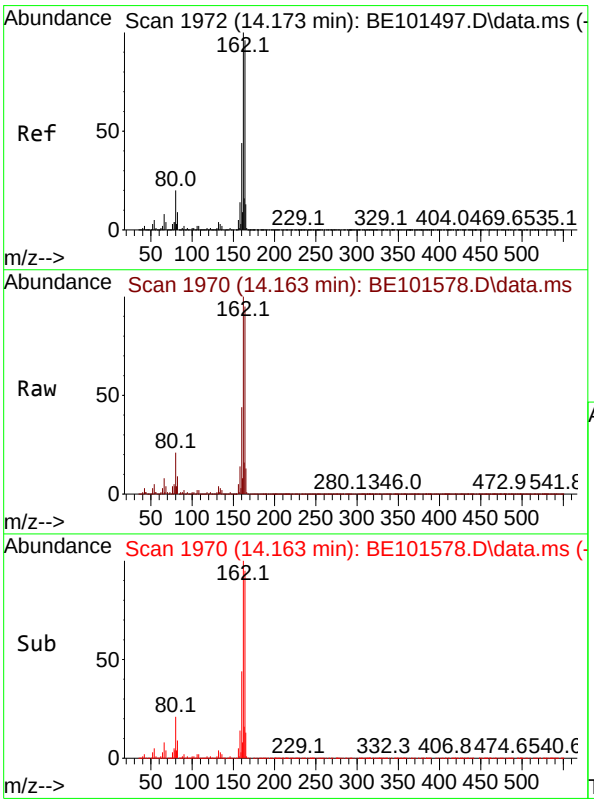
#23
Nitrobenzene-d5
Concen: 93.652 ng
RT: 8.763 min Scan# 1
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion: 82 Resp: 260141

Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.6	58.0
54	47.9	36.3	54.5

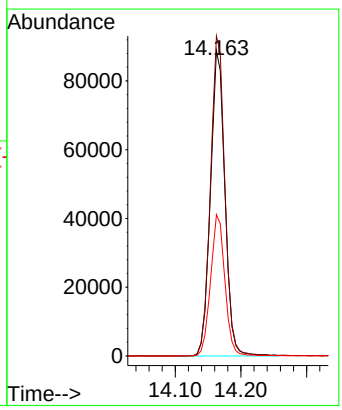


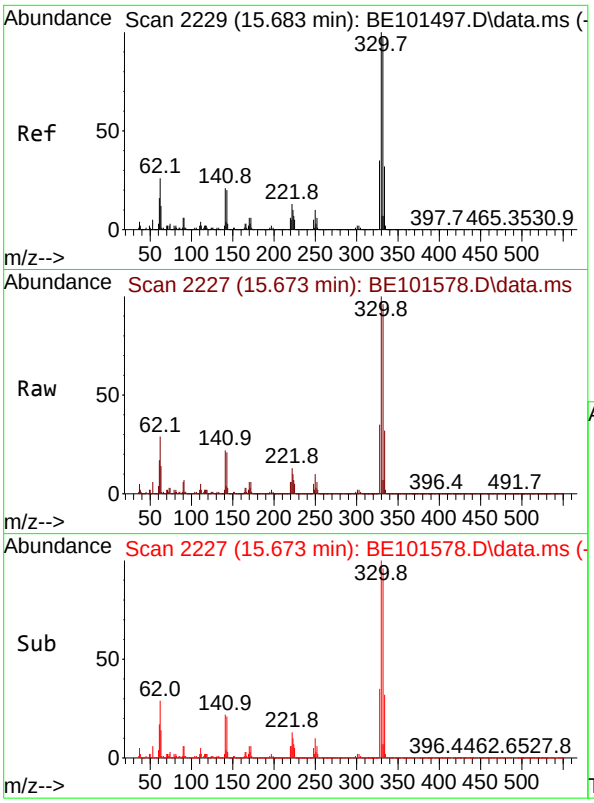


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.163 min Scan# 1970
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:164 Resp: 135773

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.7	125.5
160	46.3	37.1	55.7



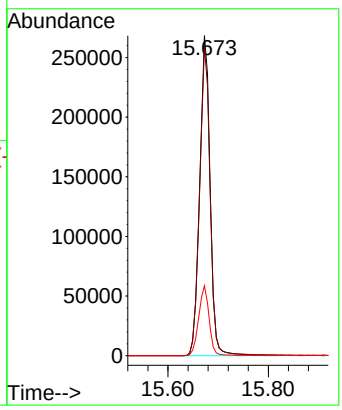


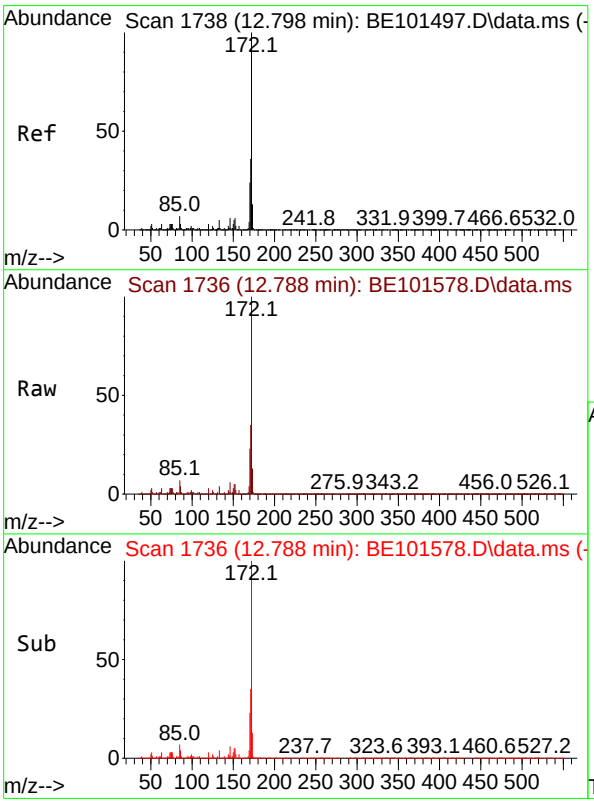
#42
2,4,6-Tribromophenol
Concen: 152.281 ng
RT: 15.673 min Scan# 2
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion:330 Resp: 389053

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	21.6	17.0	25.4

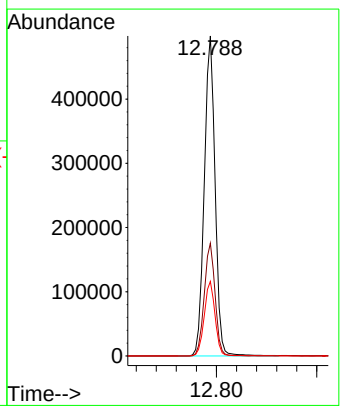


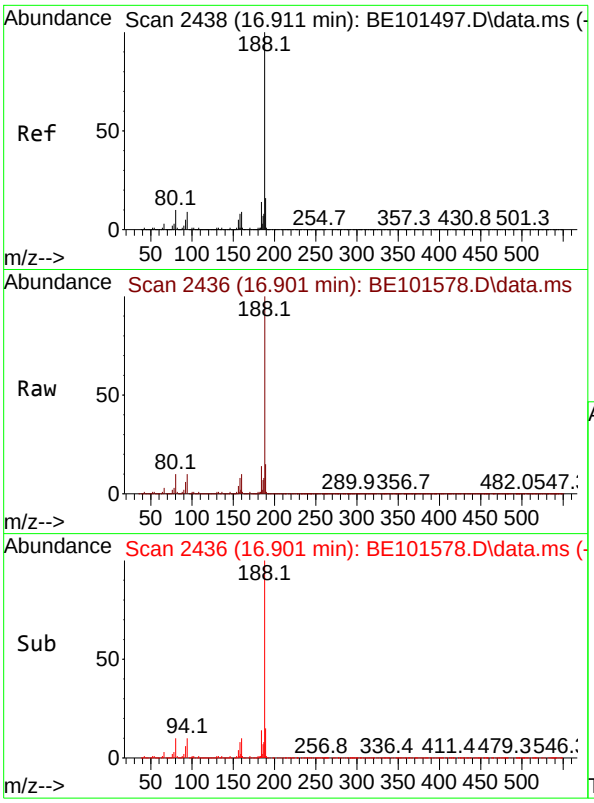


#45
2-Fluorobiphenyl
Concen: 89.793 ng
RT: 12.788 min Scan# 1736
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:172 Resp: 746659

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.3	18.9	28.3



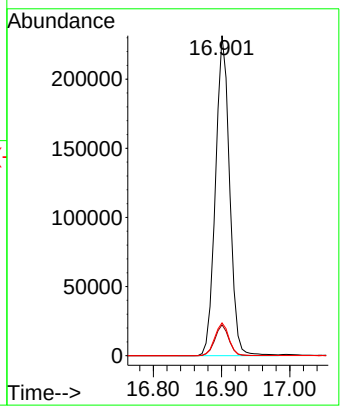


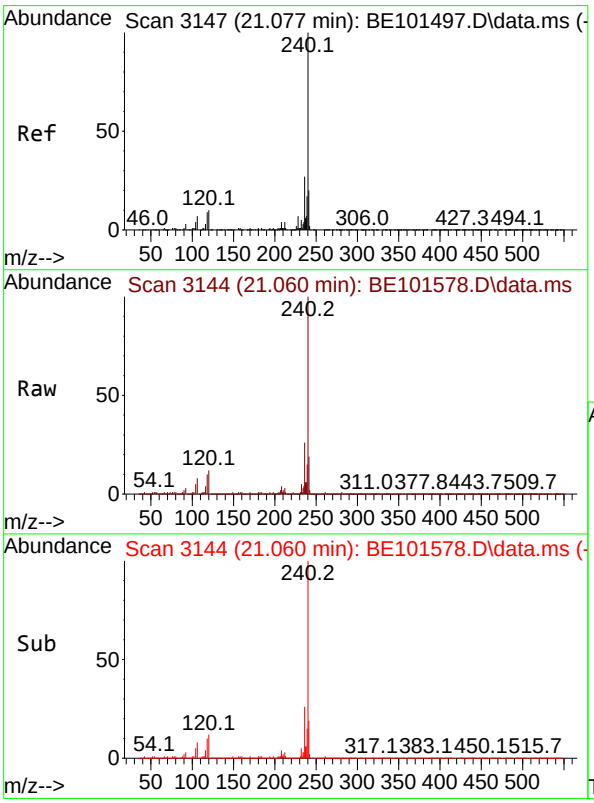
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.901 min Scan# 24
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion:188 Resp: 333737

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.2	8.0	12.0

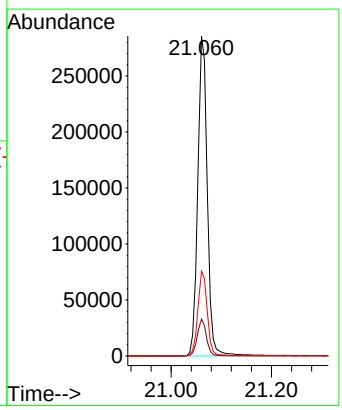


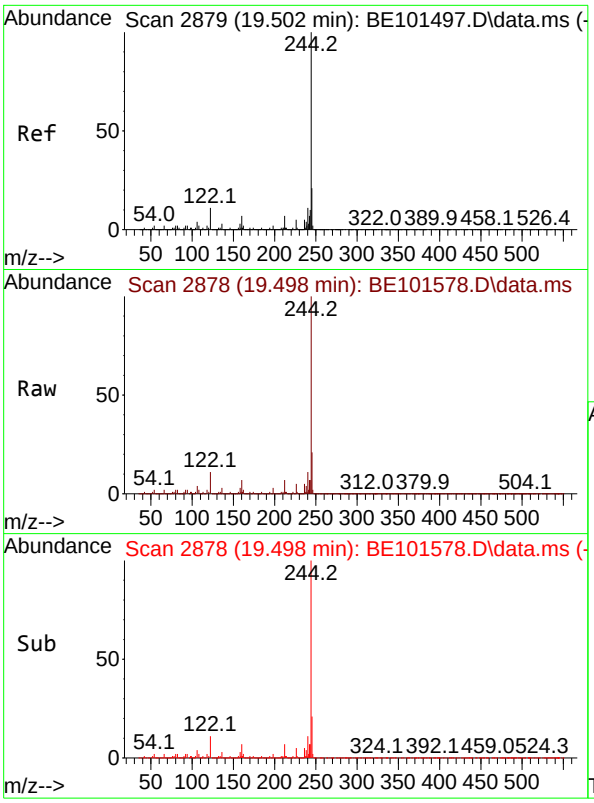


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.060 min Scan# 3144
Delta R.T. -0.016 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:240 Resp: 375483

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.2	12.4
236	26.5	21.4	32.2



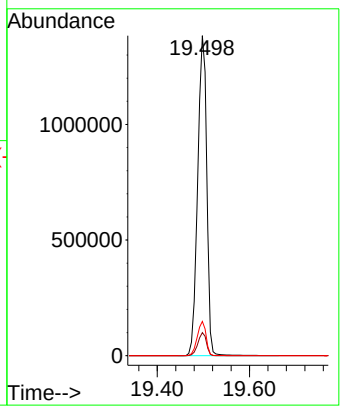


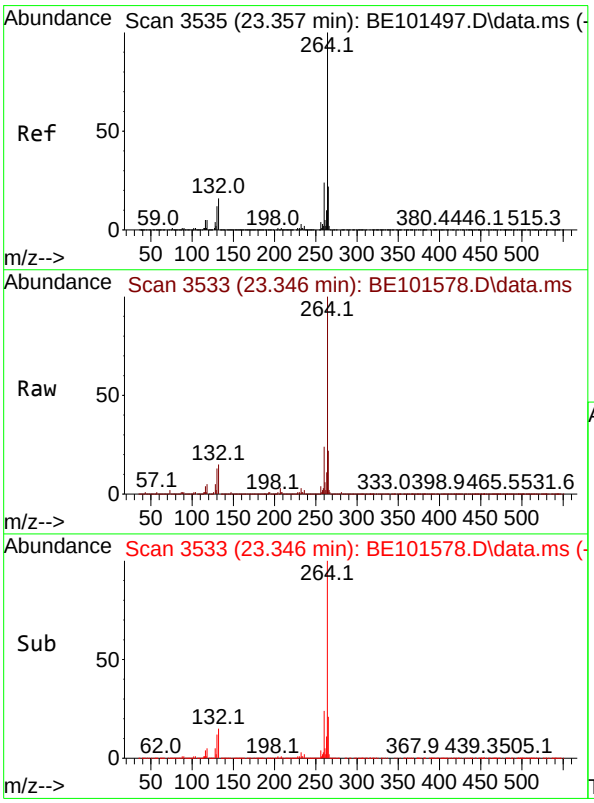
#79
Terphenyl-d14
Concen: 111.477 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.005 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

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

Tgt Ion:244 Resp: 1890961

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.7	8.4	12.6

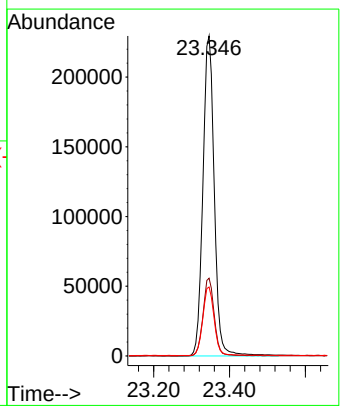




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.346 min Scan# 3533
Delta R.T. -0.011 min
Lab File: BE101578.D
Acq: 12 Nov 2024 12:29

Tgt Ion:264 Resp: 475775

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.6	17.4	26.2



Raw Data: **BF140368.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BF140368.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	9.80	J	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BF140368.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-2(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-10	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140368.D	1	11/10/24 13:32	11/14/24 17:59	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.20	J	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.5		10 - 139	50%	SPK: 150
13127-88-3	Phenol-d6	47.7		10 - 134	32%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.3		49 - 133	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.7		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.869			
1146-65-2	Naphthalene-d8	465000	8.151			
15067-26-2	Acenaphthene-d10	252000	9.904			
1517-22-2	Phenanthrene-d10	460000	11.392			
1719-03-5	Chrysene-d12	260000	14.045			
1520-96-3	Perylene-d12	261000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140368.D
Acq On : 14 Nov 2024 17:59
Operator : RC/JU
Sample : P4722-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 15 00:27:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

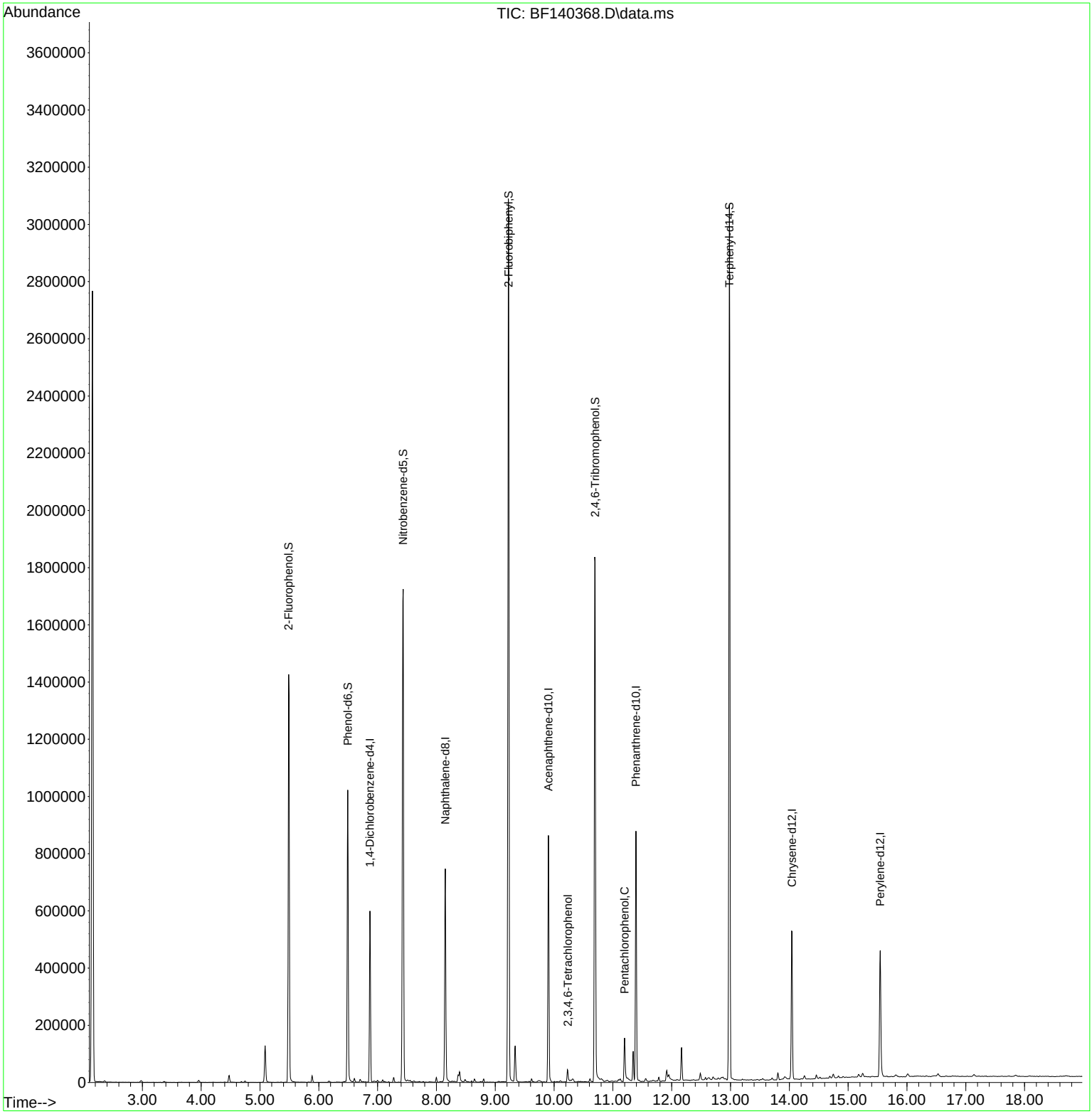
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	124042	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	464909	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	252110	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	459695	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	260161	20.000	ng	0.00
86) Perylene-d12	15.545	264	261026	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	541049	74.473	ng	0.00
7) Phenol-d6	6.493	99	469938	47.744	ng	-0.01
23) Nitrobenzene-d5	7.434	82	850173	95.280	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	325204	129.716	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1421774	90.658	ng	0.00
79) Terphenyl-d14	12.980	244	1479681	98.724	ng	0.00
Target Compounds						Qvalue
59) 2,3,4,6-Tetrachlorophenol	10.233	232	8775	2.222	ng	# 97
70) Pentachlorophenol	11.198	266	27258	9.787	ng	96

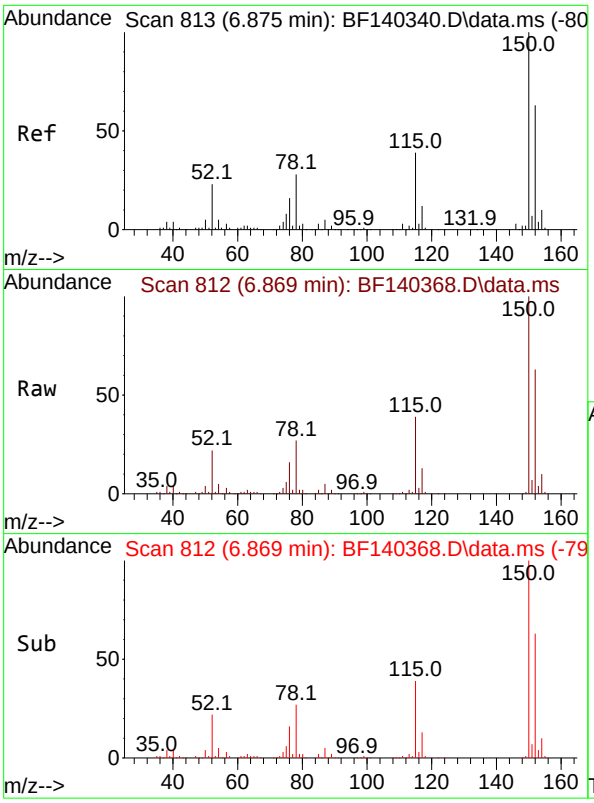
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140368.D
Acq On : 14 Nov 2024 17:59
Operator : RC/JU
Sample : P4722-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 15 00:27:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



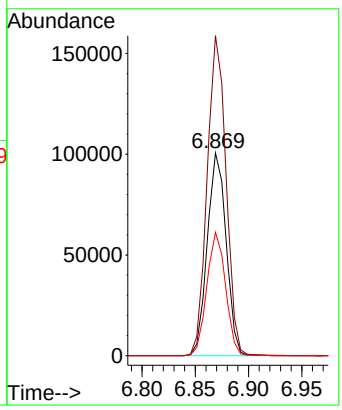


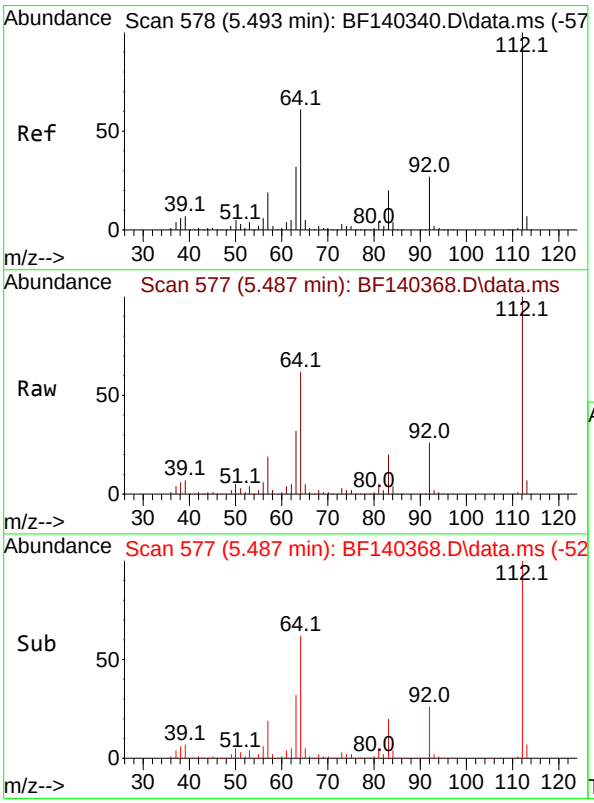
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion:152 Resp: 124042

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.4	191.0
115	60.9	47.4	71.2

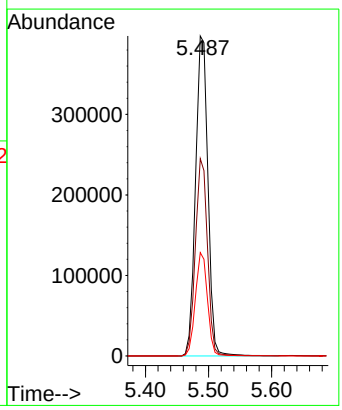


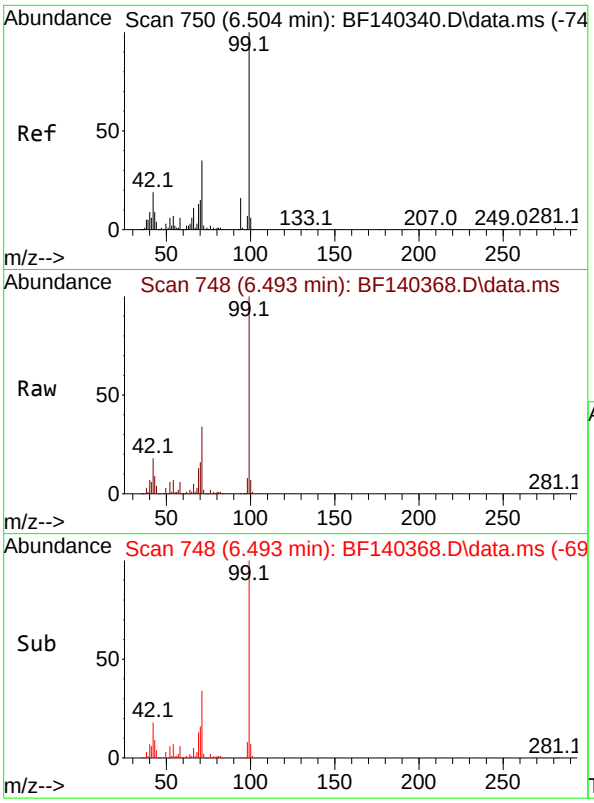


#5
2-Fluorophenol
Concen: 74.473 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:112 Resp: 541049

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.2	73.8
63	32.3	25.6	38.4



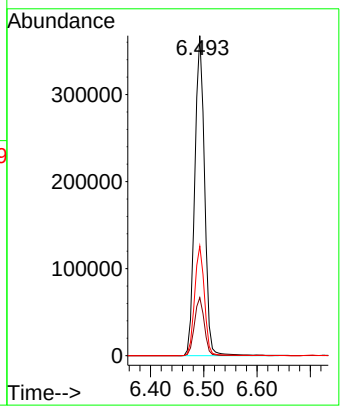


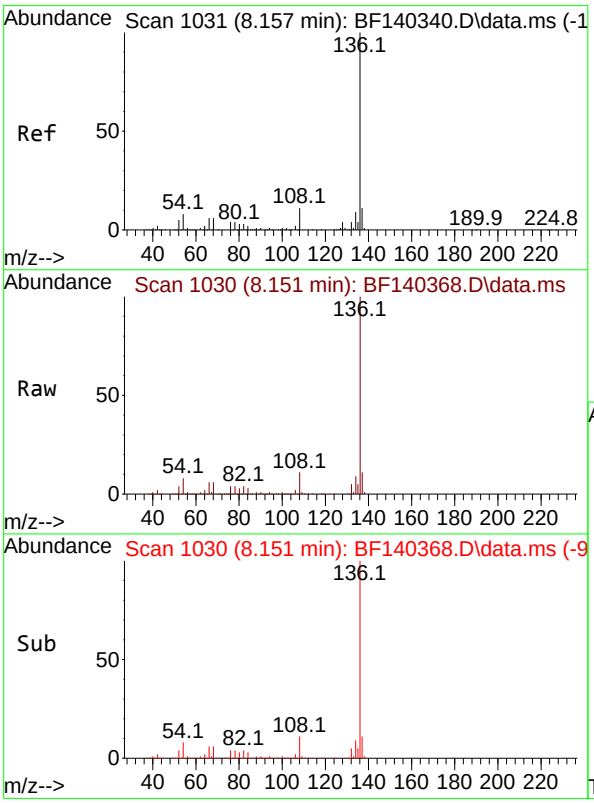
#7
Phenol-d6
Concen: 47.744 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion: 99 Resp: 469938

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.1	22.7
71	34.2	27.9	41.9

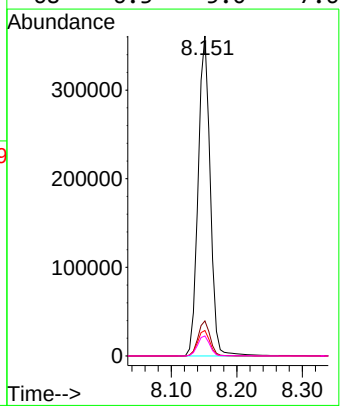


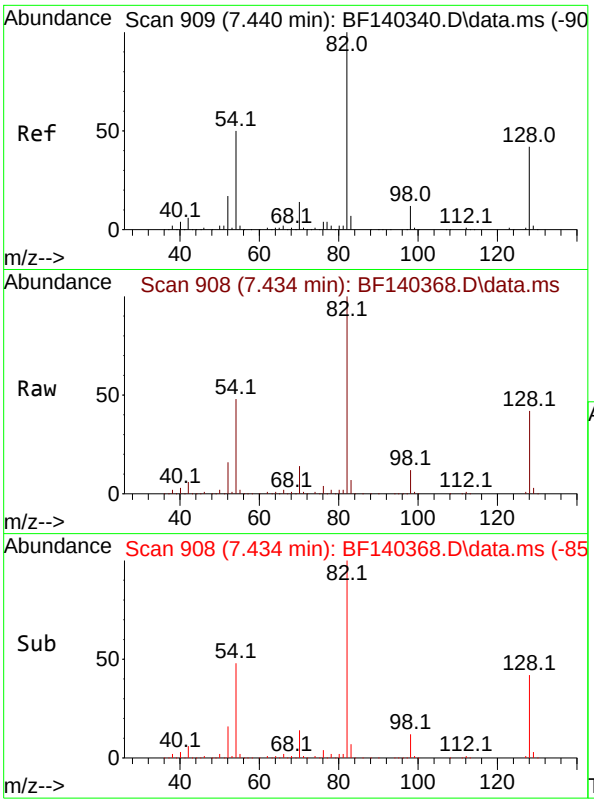


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:136 Resp: 464909

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	8.0	6.5	9.7
68	6.3	5.0	7.6



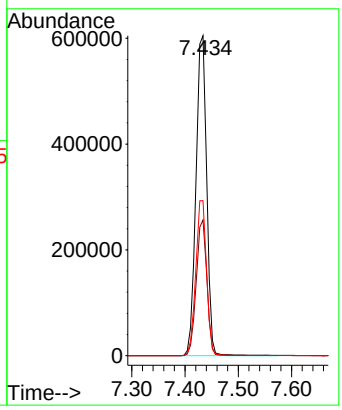


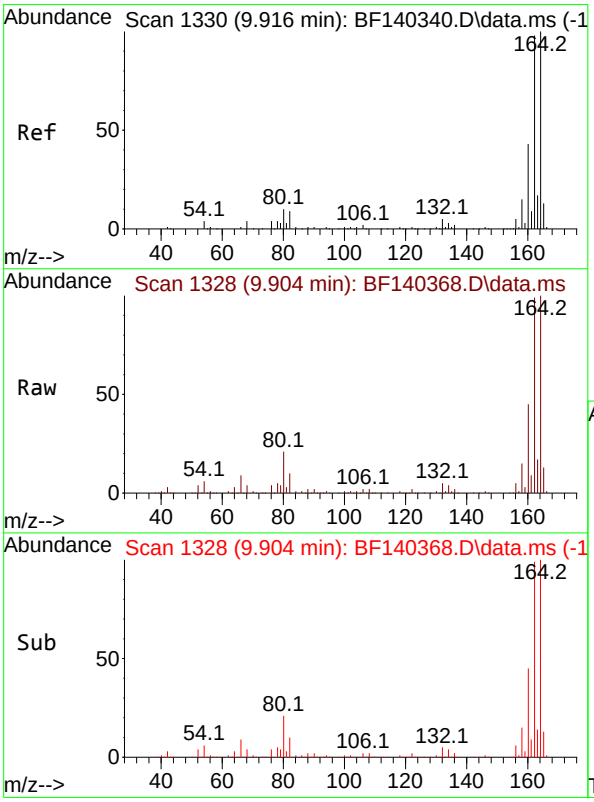
#23
Nitrobenzene-d5
Concen: 95.280 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion: 82 Resp: 850173

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	48.5	39.8	59.8

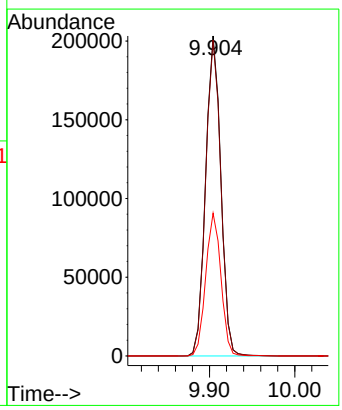


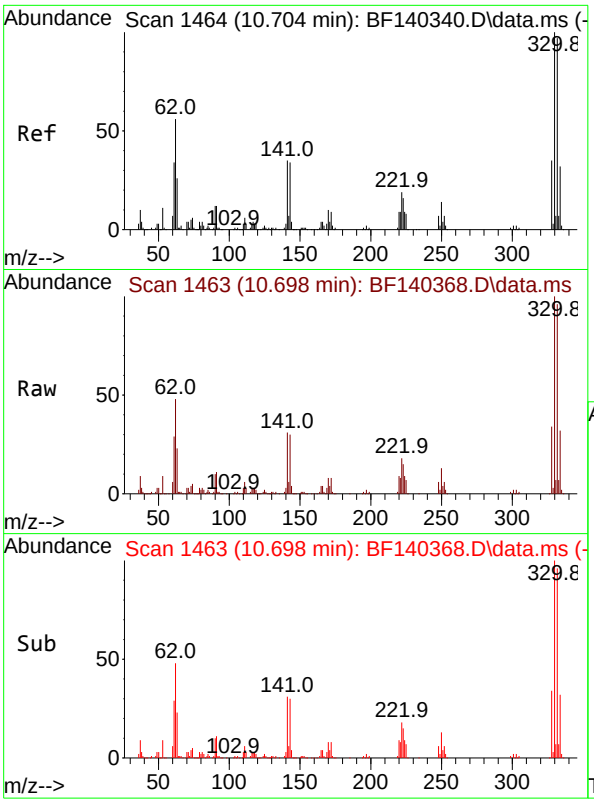


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:164 Resp: 252110

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.8	119.8
160	44.6	35.4	53.0



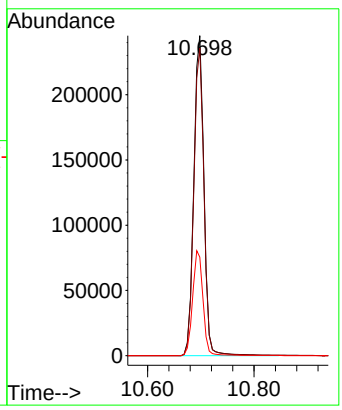


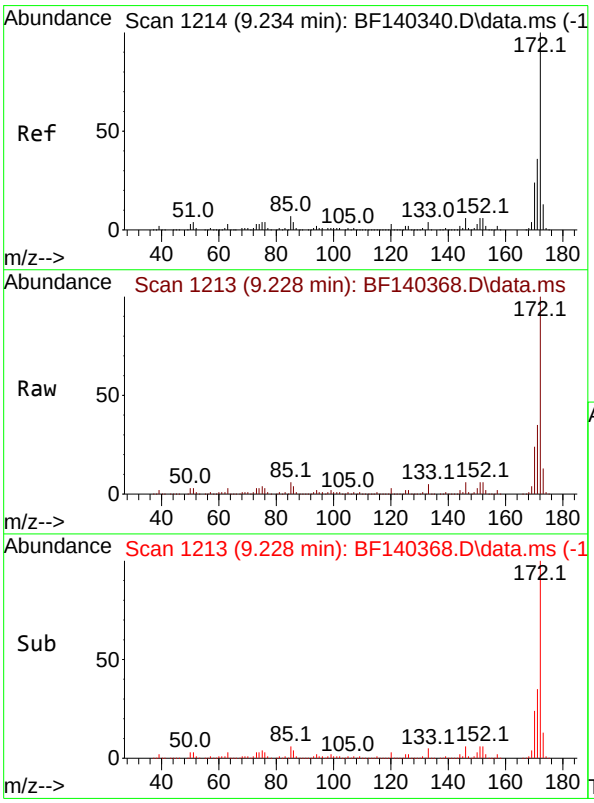
#42
2,4,6-Tribromophenol
Concen: 129.716 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion:330 Resp: 325204

Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.9	113.9
141	33.6	26.9	40.3

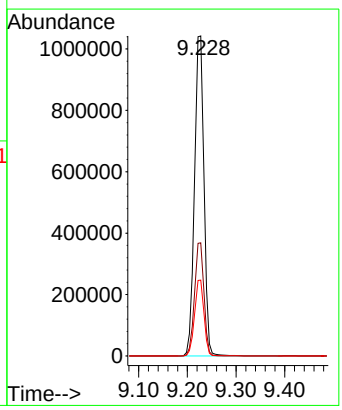


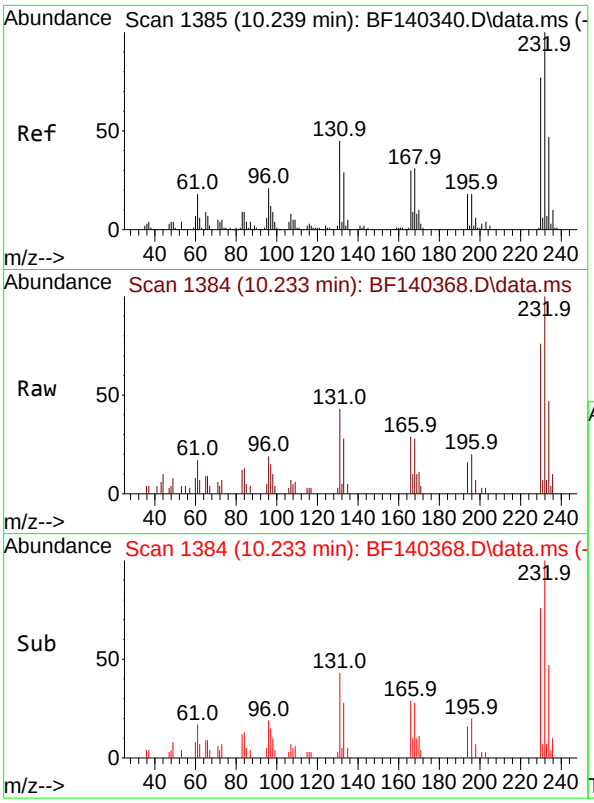


#45
2-Fluorobiphenyl
Concen: 90.658 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:172 Resp: 1421774

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.7	19.1	28.7



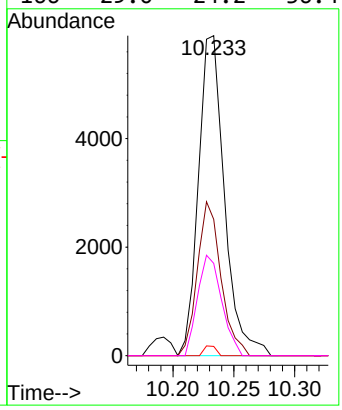


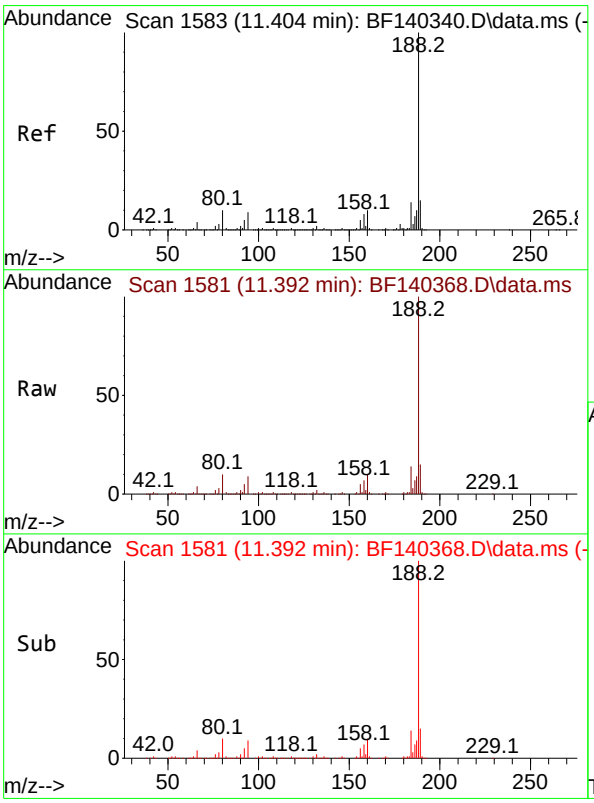
#59
2,3,4,6-Tetrachlorophenol
Concen: 2.222 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion:232 Resp: 8775

Ion	Ratio	Lower	Upper
232	100		
131	43.6	36.8	55.2
130	1.4	1.9	2.9#
166	29.0	24.2	36.4

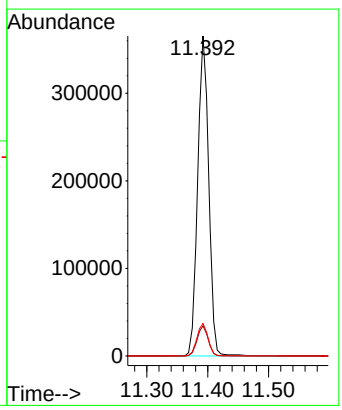


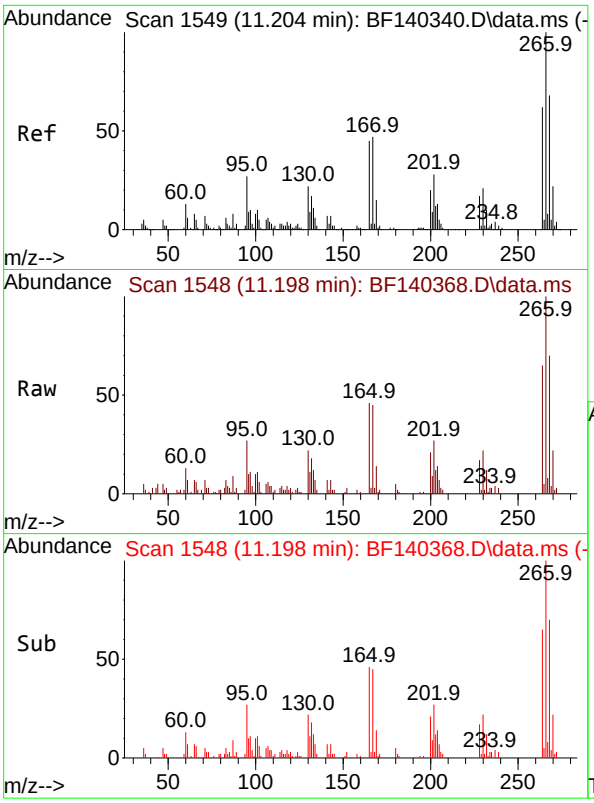


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:188 Resp: 459695

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.2	8.0	12.0



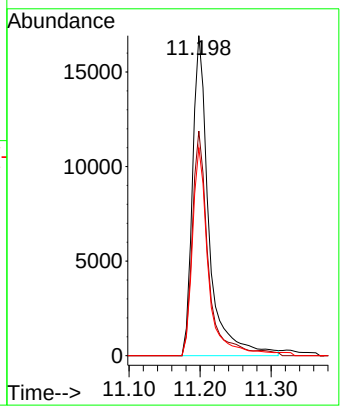


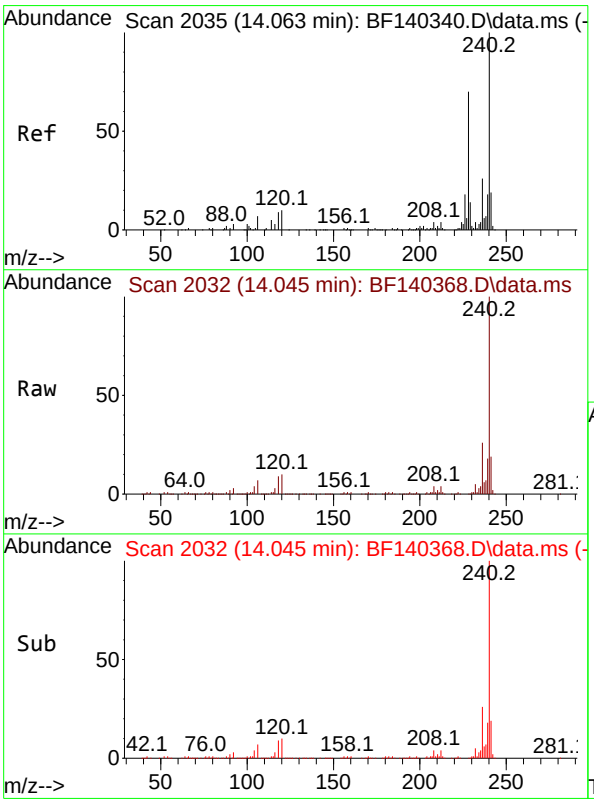
#70
Pentachlorophenol
Concen: 9.787 ng
RT: 11.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion:266 Resp: 27258

Ion	Ratio	Lower	Upper
266	100		
268	70.2	52.9	79.3
264	65.0	50.3	75.5

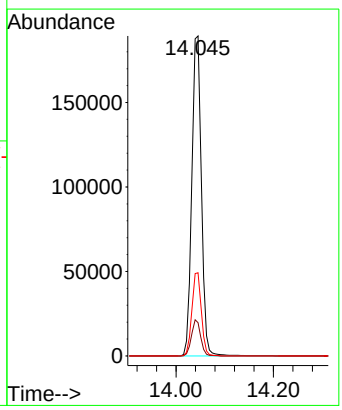


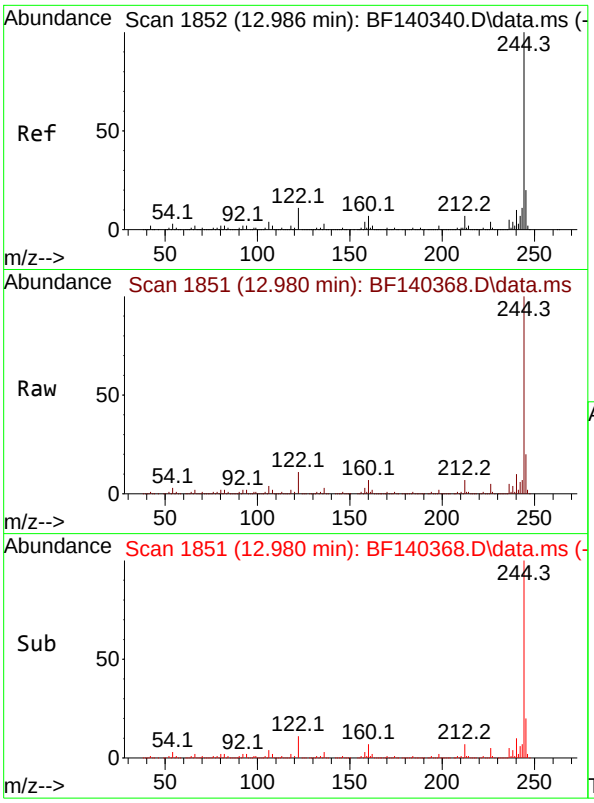


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:240 Resp: 260161

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.8	13.2
236	26.0	20.9	31.3



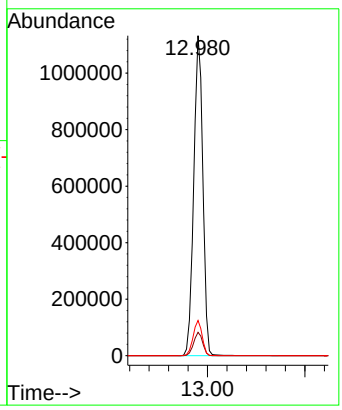


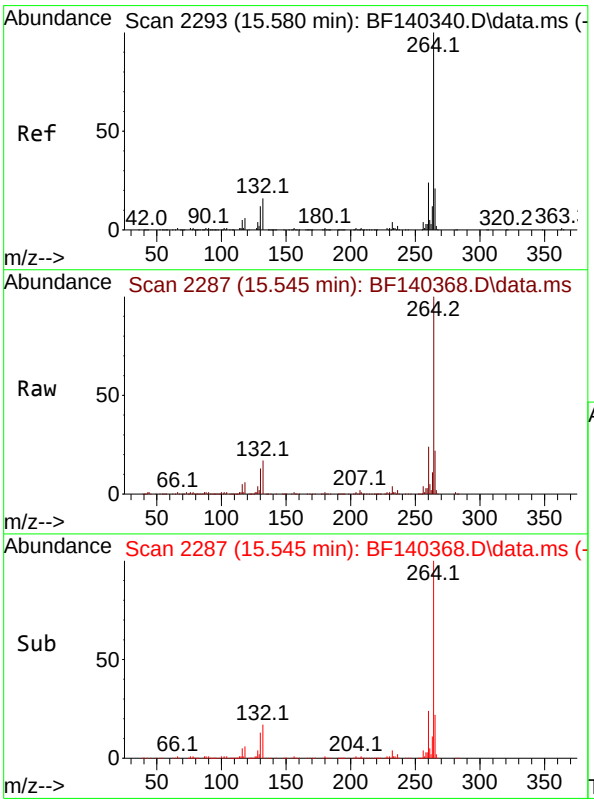
#79
Terphenyl-d14
Concen: 98.724 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

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

Tgt Ion:244 Resp: 1479681

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	11.0	8.8	13.2

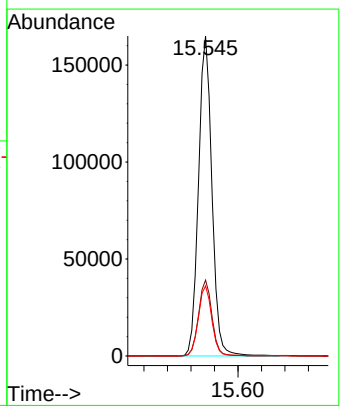




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. -0.012 min
Lab File: BF140368.D
Acq: 14 Nov 2024 17:59

Tgt Ion:264 Resp: 261026

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.9	17.1	25.7



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BF140369.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BF140369.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)	SDG No.:	P4722
Lab Sample ID:	P4722-15	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140369.D	1	11/10/24 13:32	11/14/24 18:25	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	66.4		10 - 139	44%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.1		49 - 133	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.4		52 - 132	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		44 - 137	94%	SPK: 150
1718-51-0	Terphenyl-d14	111		48 - 125	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.869			
1146-65-2	Naphthalene-d8	442000	8.151			
15067-26-2	Acenaphthene-d10	232000	9.904			
1517-22-2	Phenanthrene-d10	430000	11.392			
1719-03-5	Chrysene-d12	233000	14.045			
1520-96-3	Perylene-d12	242000	15.551			

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: **BF140369.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140369.D
Acq On : 14 Nov 2024 18:25
Operator : RC/JU
Sample : P4722-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 15 00:27:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

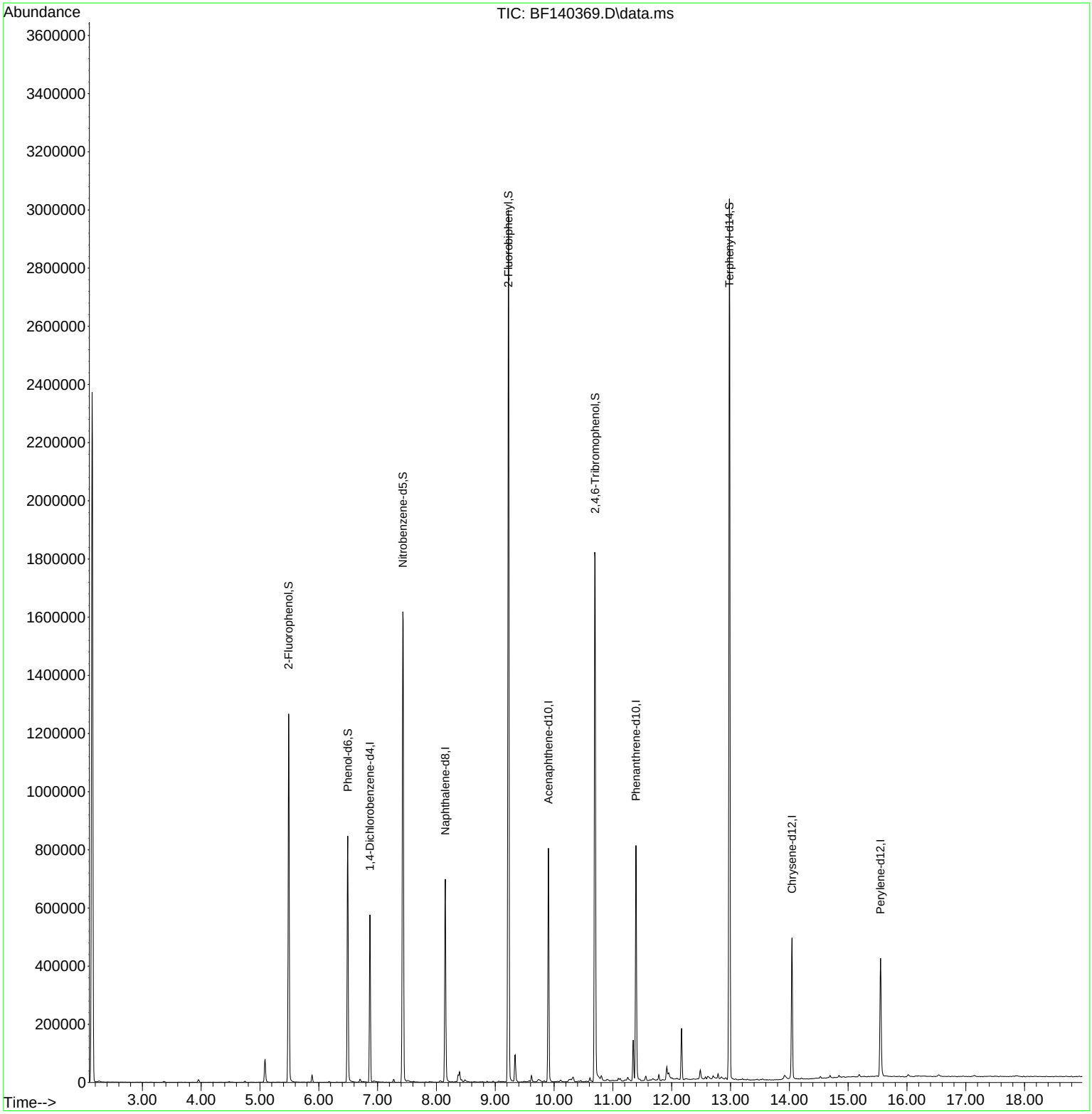
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	119391	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	441580	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	232299	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	429770	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	232532	20.000	ng	0.00
86) Perylene-d12	15.551	264	241777	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	464211	66.386	ng	0.00
7) Phenol-d6	6.493	99	393256	41.510	ng	-0.01
23) Nitrobenzene-d5	7.428	82	797856	94.140	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	326026	141.135	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1363670	94.368	ng	-0.01
79) Terphenyl-d14	12.980	244	1481105	110.561	ng	0.00
Target Compounds						Qvalue

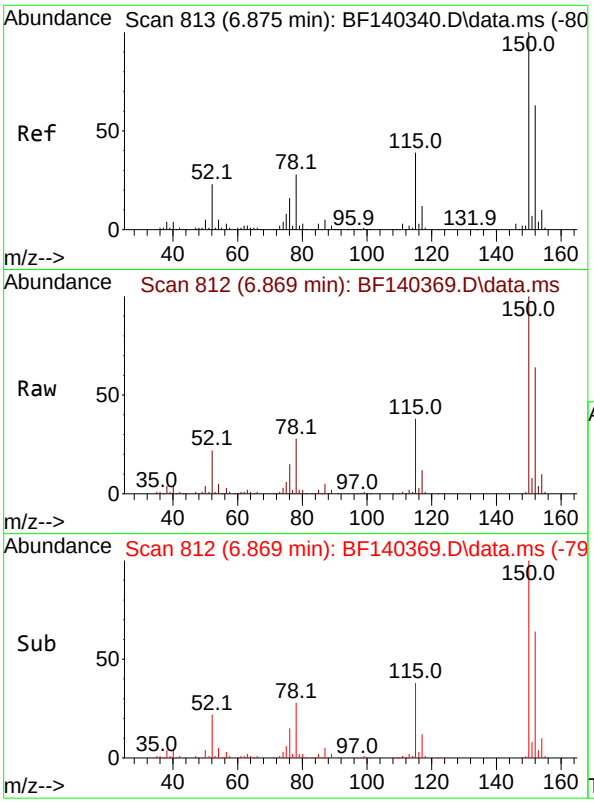
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140369.D
Acq On : 14 Nov 2024 18:25
Operator : RC/JU
Sample : P4722-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 15 00:27:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration



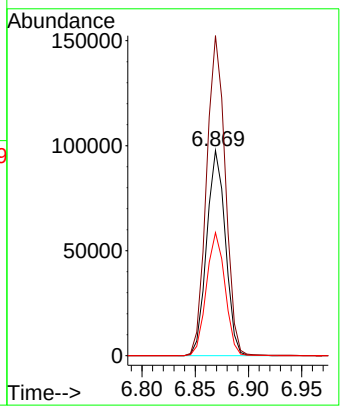


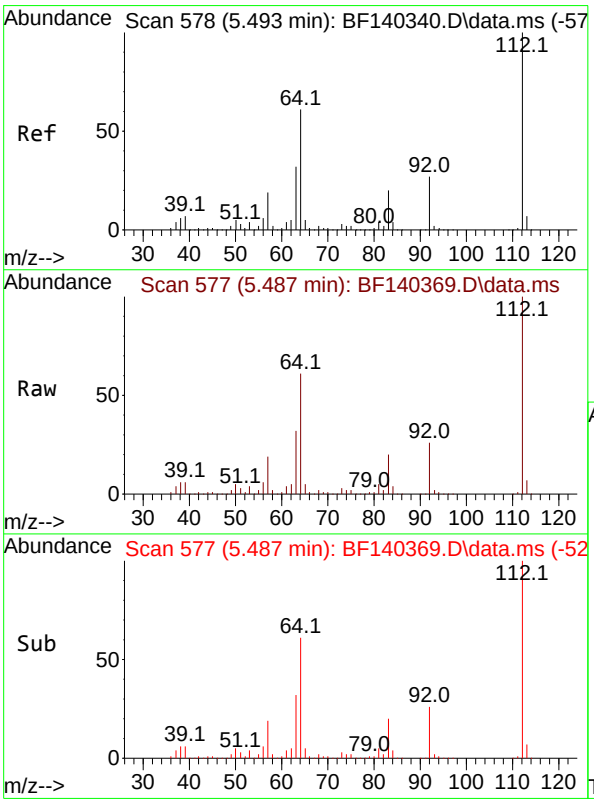
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion:152 Resp: 119391

Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.4	191.0
115	60.0	47.4	71.2

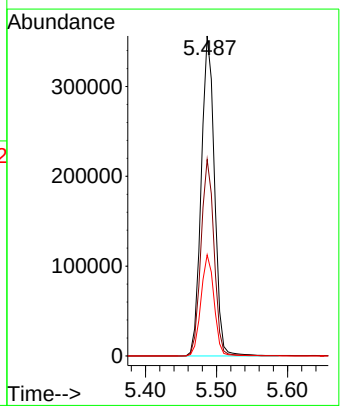


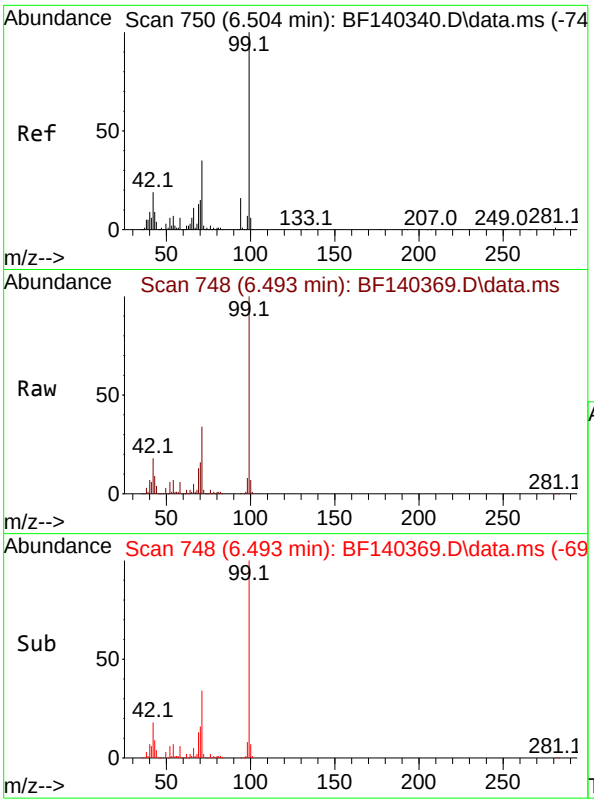


#5
2-Fluorophenol
Concen: 66.386 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:112 Resp: 464211

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.2	73.8
63	31.6	25.6	38.4



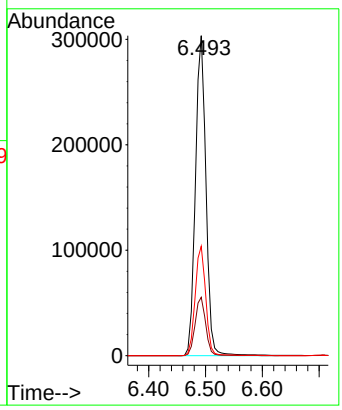


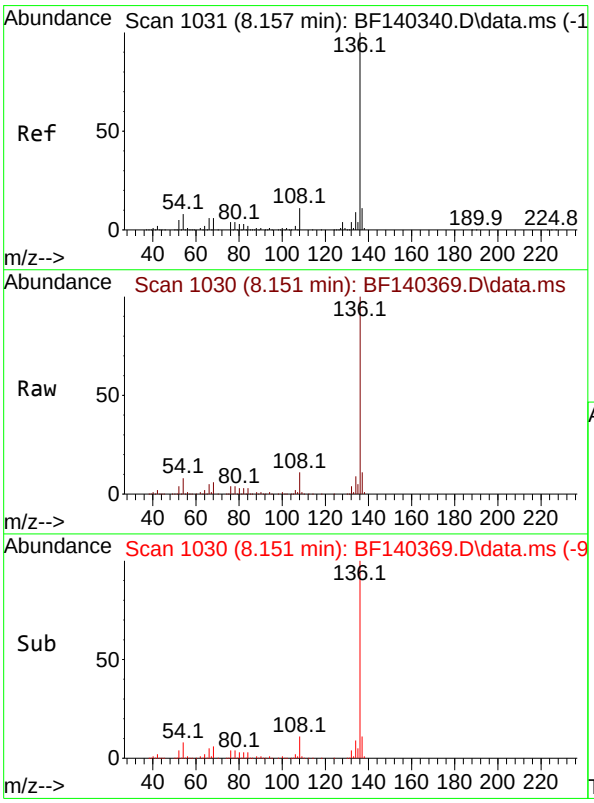
#7
Phenol-d6
Concen: 41.510 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion: 99 Resp: 393256

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.1	22.7
71	34.2	27.9	41.9

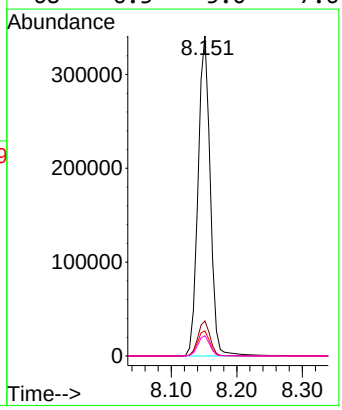


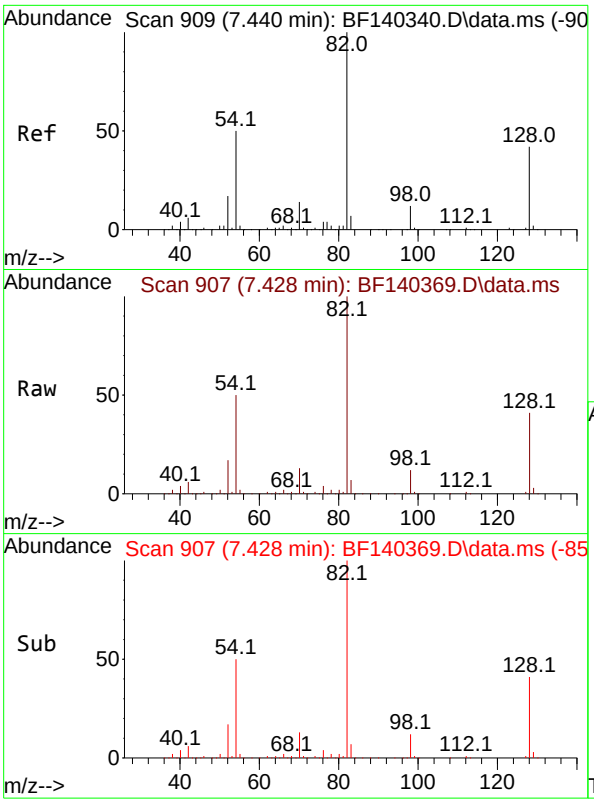


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:136 Resp: 441580

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	7.8	6.5	9.7
68	6.3	5.0	7.6



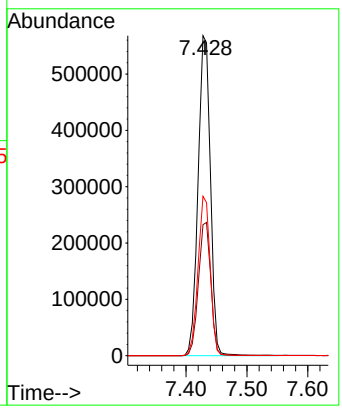


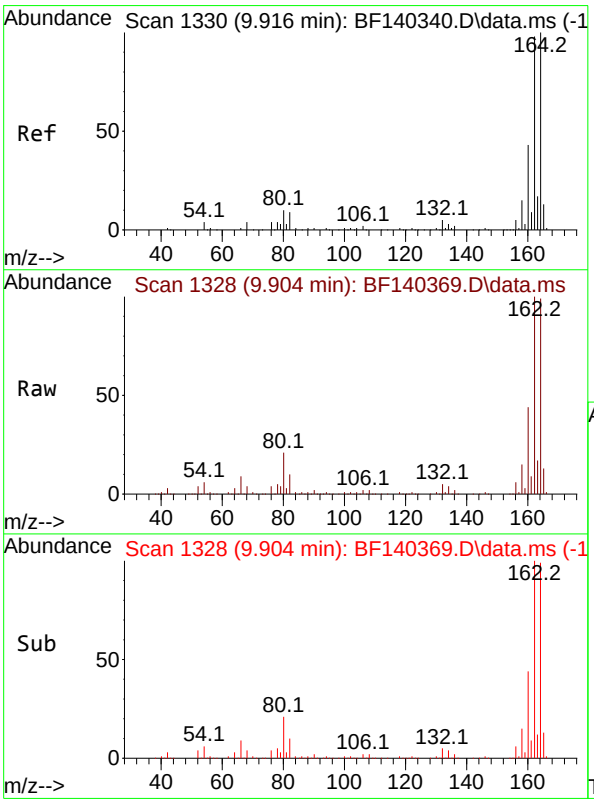
#23
Nitrobenzene-d5
Concen: 94.140 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion: 82 Resp: 797856

Ion	Ratio	Lower	Upper
82	100		
128	41.0	33.3	49.9
54	49.8	39.8	59.8

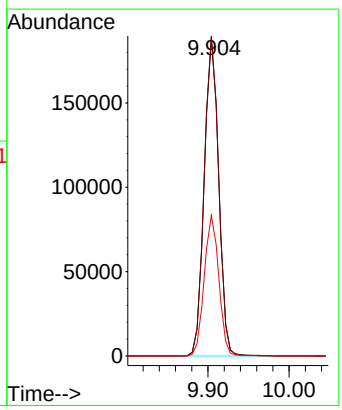


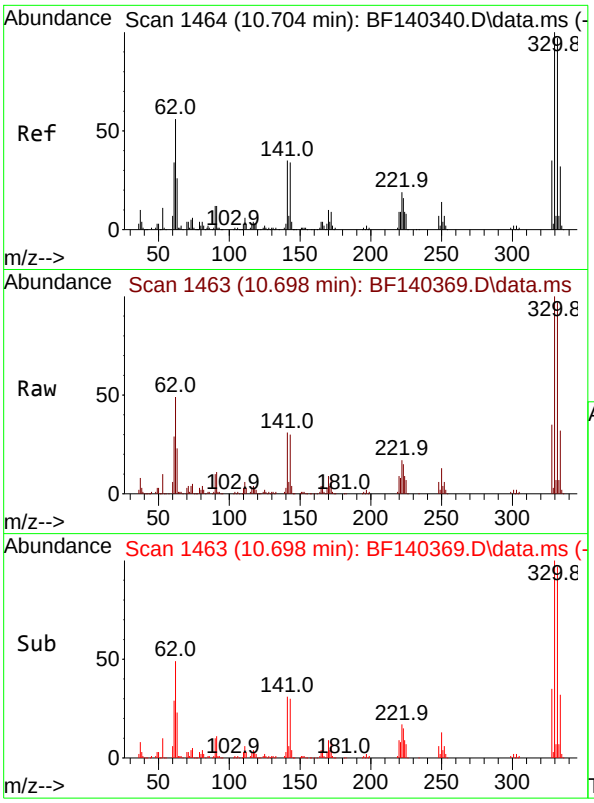


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:164 Resp: 232299

Ion	Ratio	Lower	Upper
164	100		
162	100.6	79.8	119.8
160	44.2	35.4	53.0



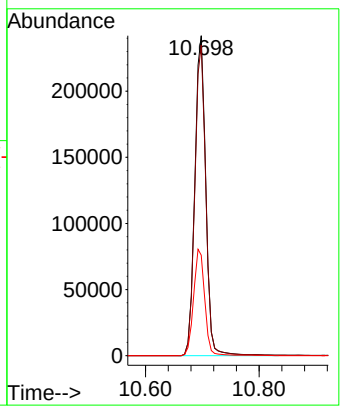


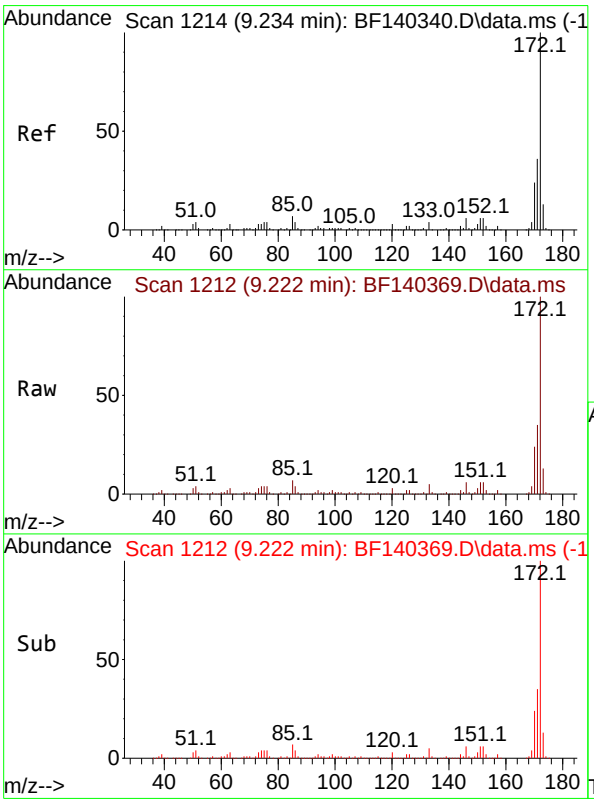
#42
2,4,6-Tribromophenol
Concen: 141.135 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion:330 Resp: 326026

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.9	113.9
141	34.0	26.9	40.3

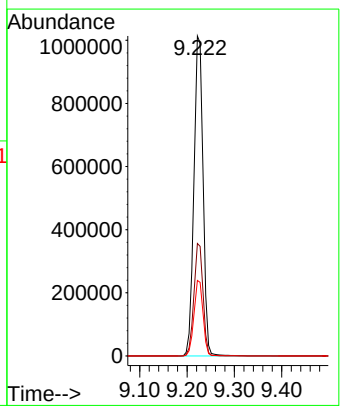


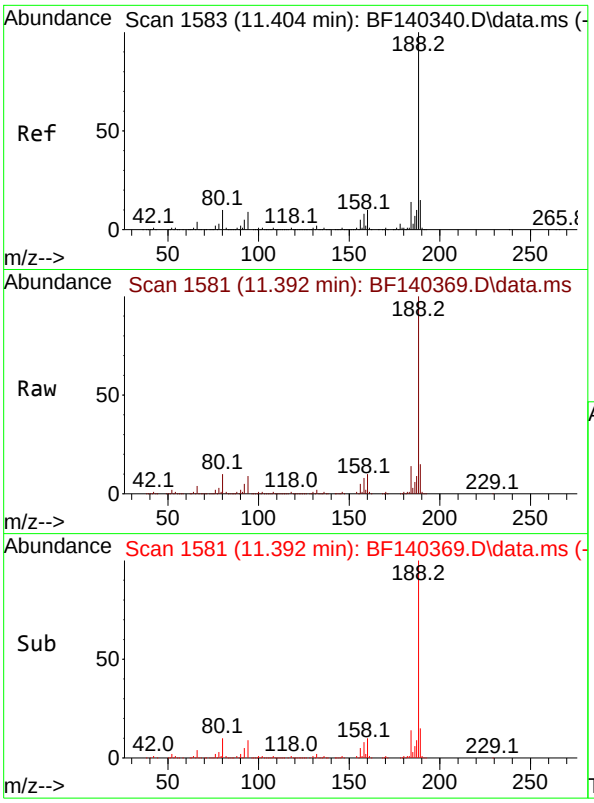


#45
2-Fluorobiphenyl
Concen: 94.368 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:172 Resp: 1363670

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	23.6	19.1	28.7



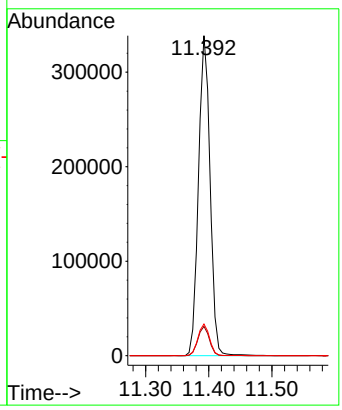


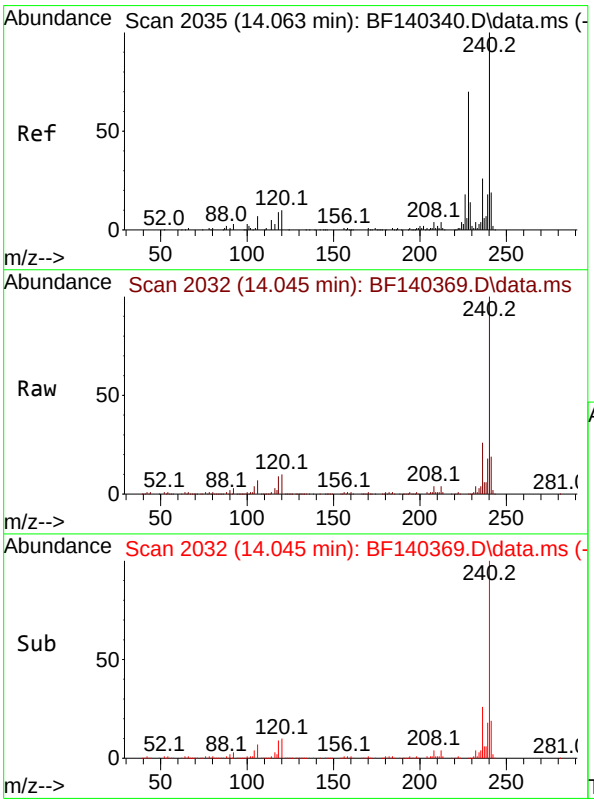
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion:188 Resp: 429770

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.6	11.4
80	9.9	8.0	12.0

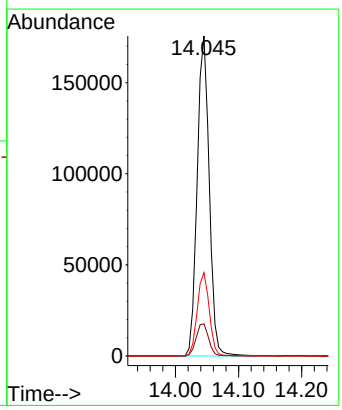


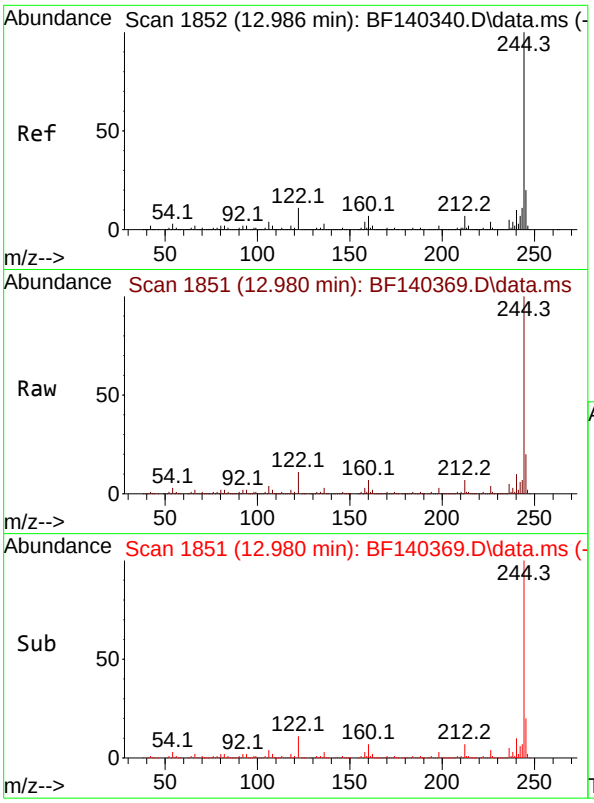


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:240 Resp: 232532

Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.8	13.2
236	26.1	20.9	31.3



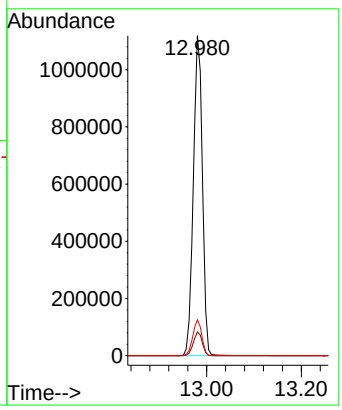


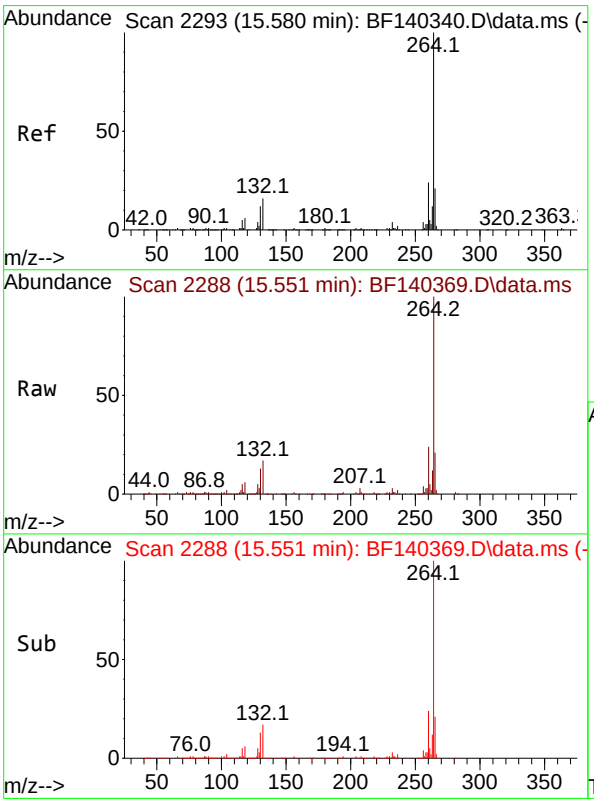
#79
Terphenyl-d14
Concen: 110.561 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

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

Tgt Ion:244 Resp: 1481105

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	11.2	8.8	13.2

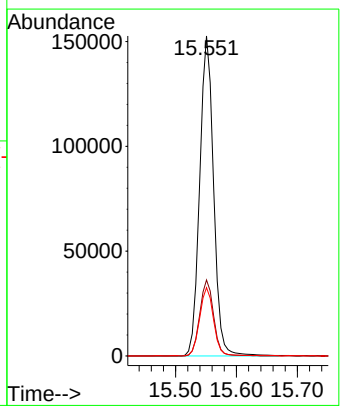




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF140369.D
Acq: 14 Nov 2024 18:25

Tgt Ion:264 Resp: 241777

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.3	17.1	25.7



Raw Data: **BF140599.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	UQ	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	UQ	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BF140599.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	UQ	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BF140599.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/10/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/10/24
Client Sample ID:	PB164886TB	SDG No.:	P4722
Lab Sample ID:	PB164886TB	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140599.D	1	11/10/24 13:32	11/25/24 13:27	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	134		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.7		49 - 133	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.3		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	99.1		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	105000	6.869			
1146-65-2	Naphthalene-d8	404000	8.151			
15067-26-2	Acenaphthene-d10	233000	9.904			
1517-22-2	Phenanthrene-d10	439000	11.398			
1719-03-5	Chrysene-d12	241000	14.051			
1520-96-3	Perylene-d12	200000	15.563			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140599.D
Acq On : 25 Nov 2024 13:27
Operator : RC/JU
Sample : PB164886TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Quant Time: Nov 25 13:55:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

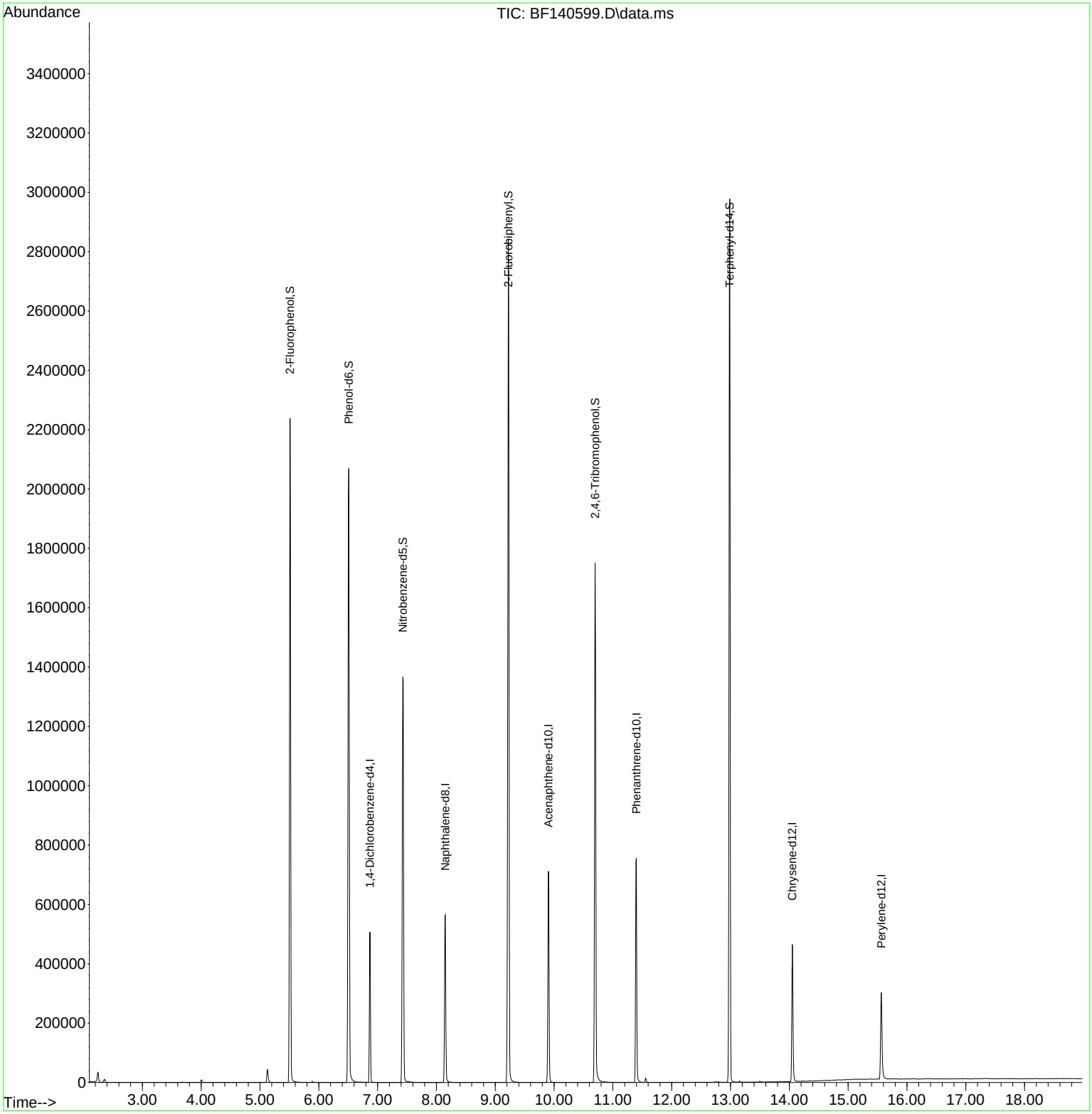
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	104822	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	403503	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	233025	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	439175	20.000	ng	0.00
76) Chrysene-d12	14.051	240	240574	20.000	ng	0.00
86) Perylene-d12	15.563	264	200437	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	844799	137.510	ng	0.01
7) Phenol-d6	6.510	99	1091261	134.360	ng	0.00
23) Nitrobenzene-d5	7.428	82	723152	91.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	322431	129.375	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1397256	89.339	ng	-0.01
79) Terphenyl-d14	12.986	244	1530916	99.090	ng	0.00
Target Compounds						Qvalue

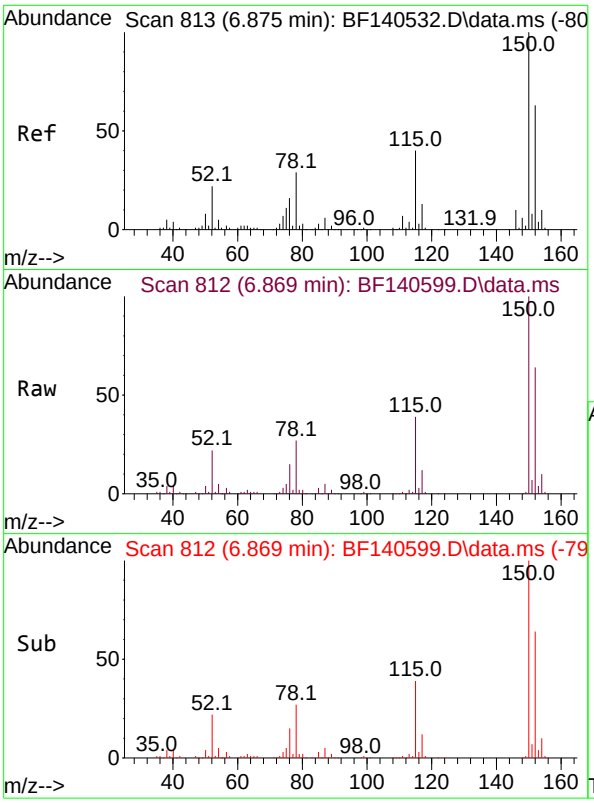
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140599.D
Acq On : 25 Nov 2024 13:27
Operator : RC/JU
Sample : PB164886TB
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Quant Time: Nov 25 13:55:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



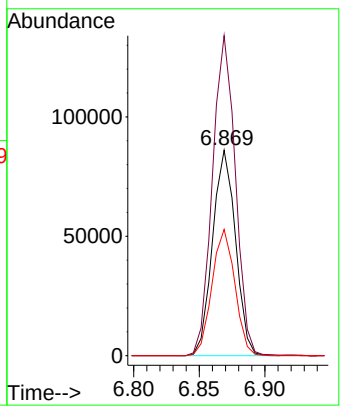


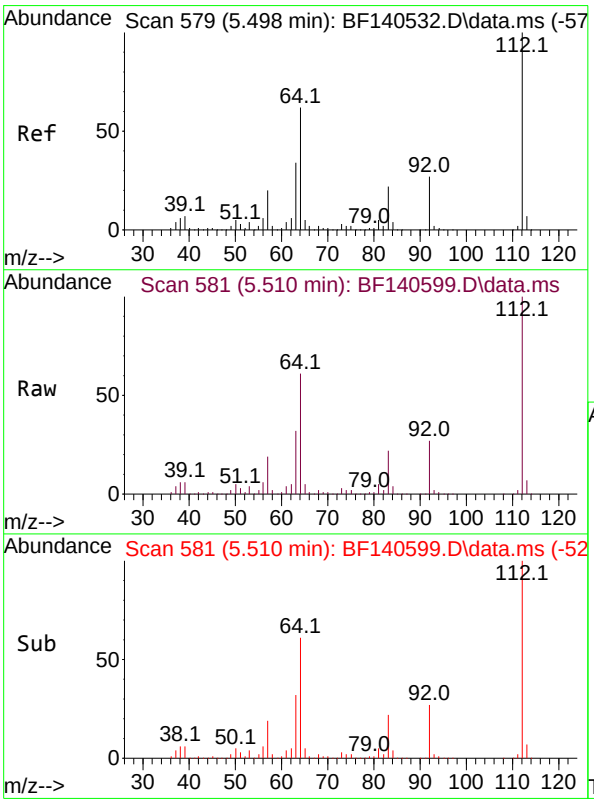
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion:152 Resp: 104822

Ion	Ratio	Lower	Upper
152	100		
150	155.7	128.5	192.7
115	61.4	50.2	75.4

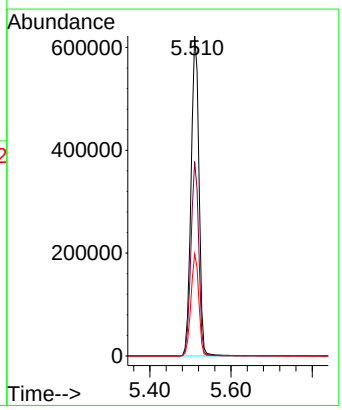


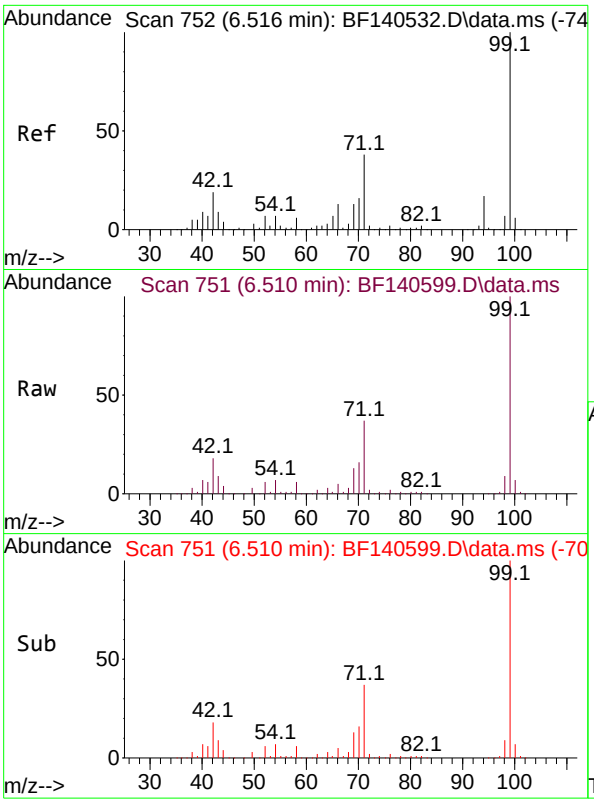


#5
2-Fluorophenol
Concen: 137.510 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:112 Resp: 844799

Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.2	73.8
63	31.9	27.0	40.4



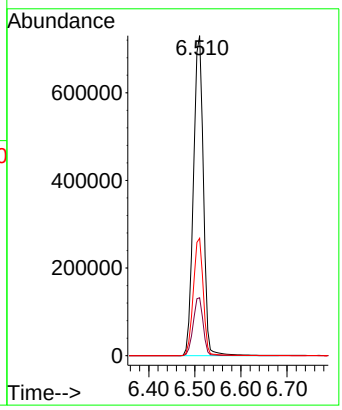


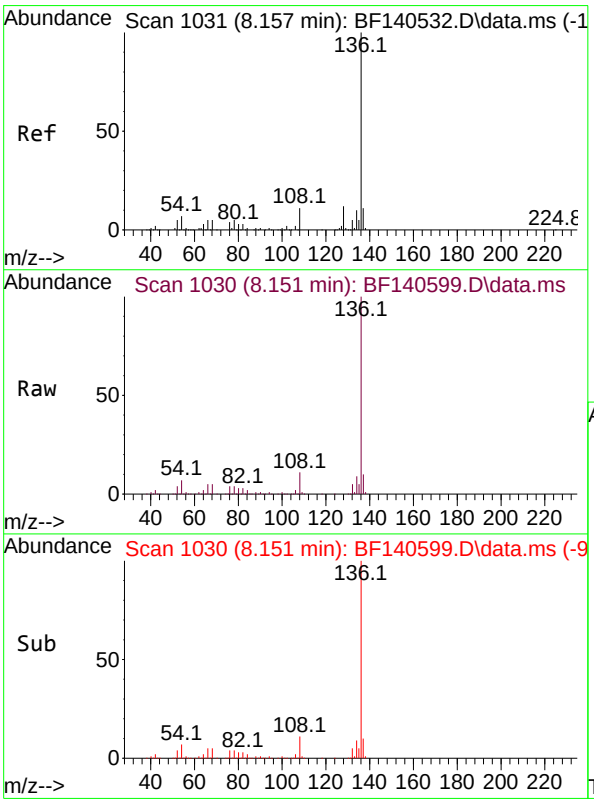
#7
Phenol-d6
Concen: 134.360 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion: 99 Resp: 1091261

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.4	23.0
71	36.7	30.6	46.0

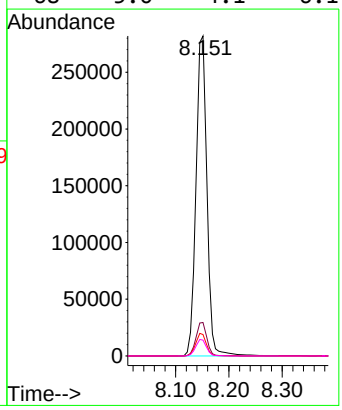


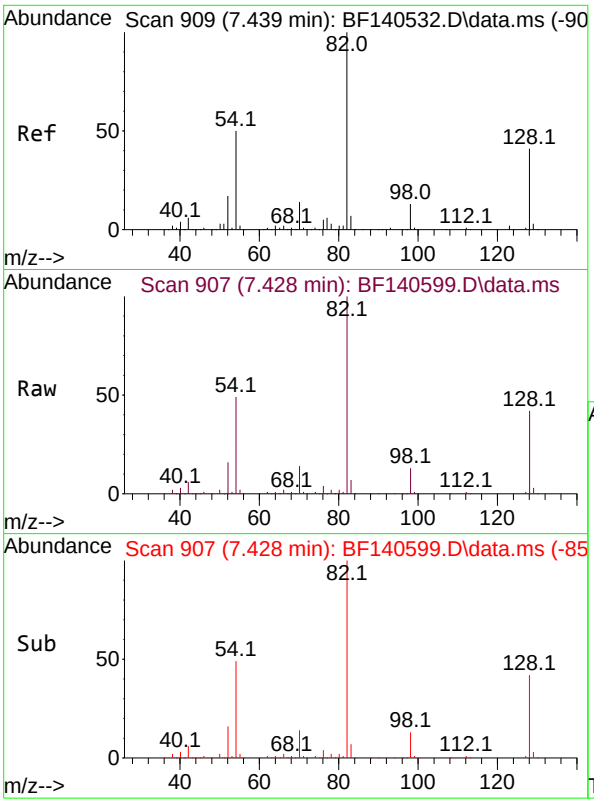


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:136 Resp: 403503

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	6.7	5.8	8.8
68	5.0	4.1	6.1



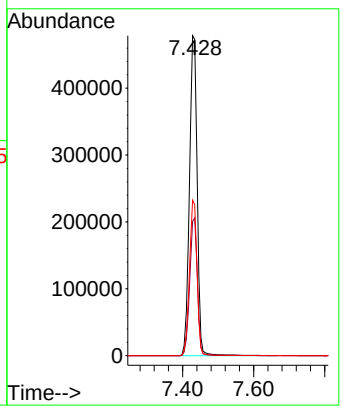


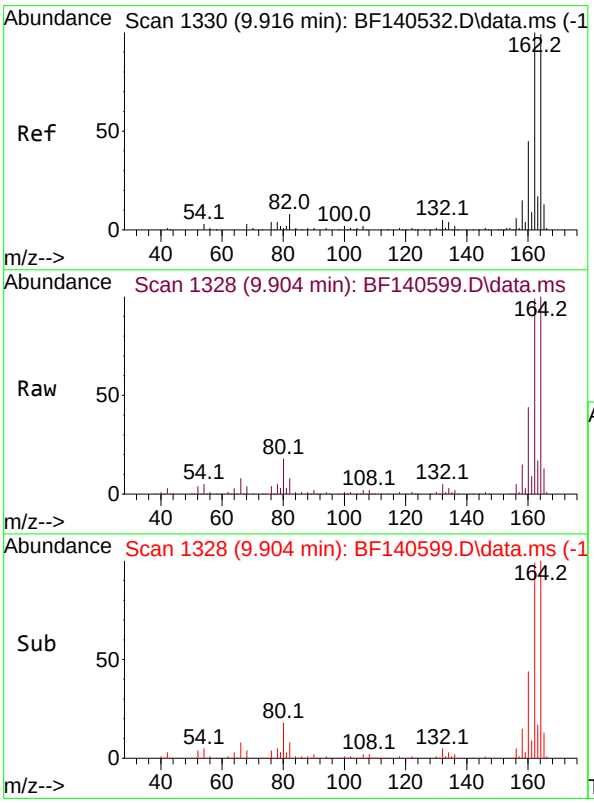
#23
Nitrobenzene-d5
Concen: 91.671 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion: 82 Resp: 723152

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.0	49.4
54	48.6	39.5	59.3

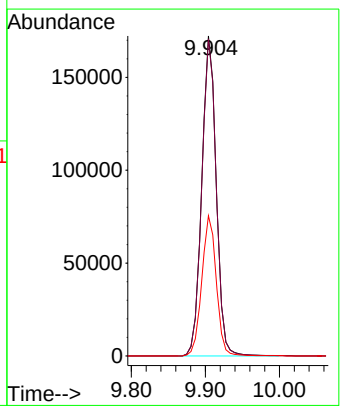


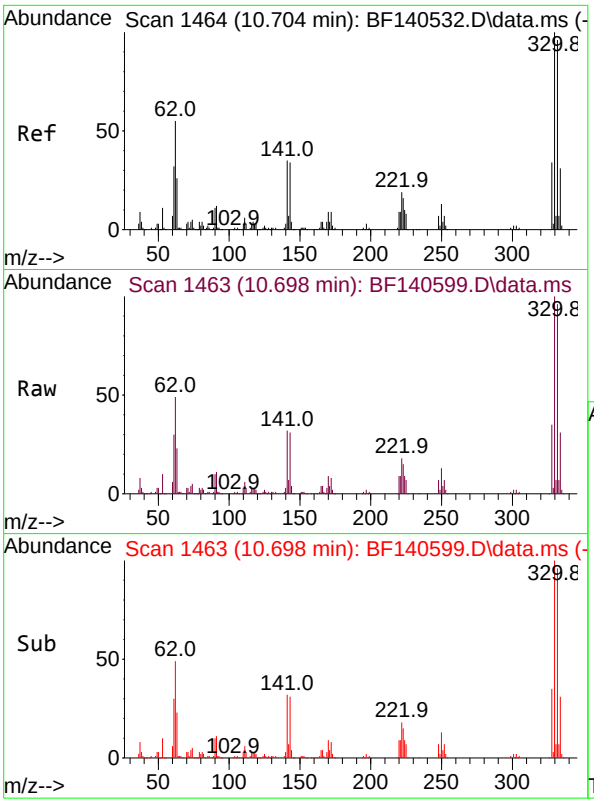


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:164 Resp: 233025

Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.6	120.8
160	43.8	36.2	54.4



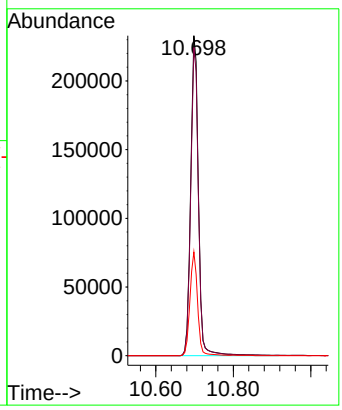


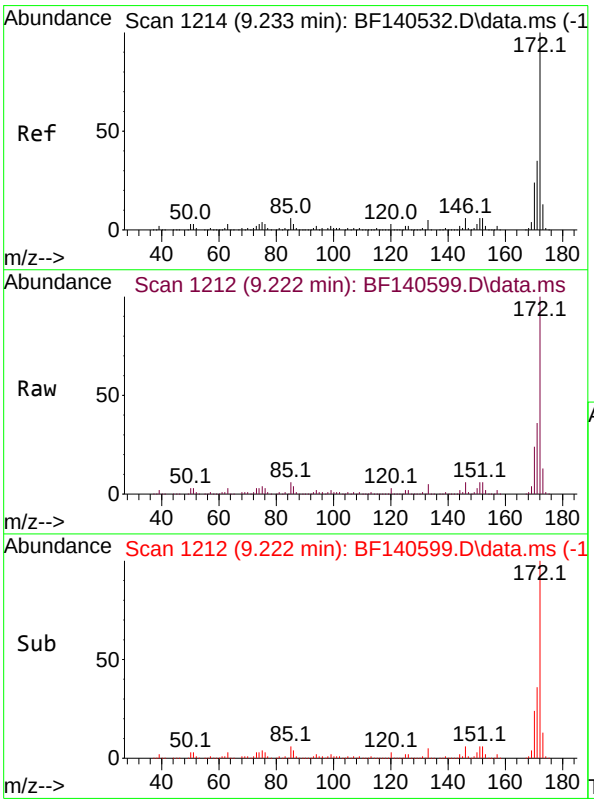
#42
2,4,6-Tribromophenol
Concen: 129.375 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion:330 Resp: 322431

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	31.8	26.7	40.1

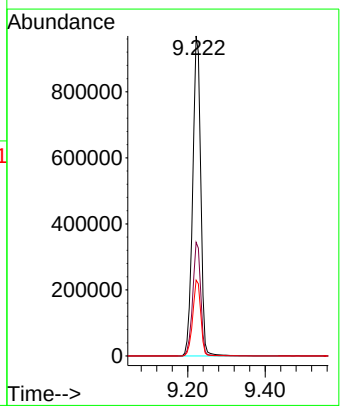


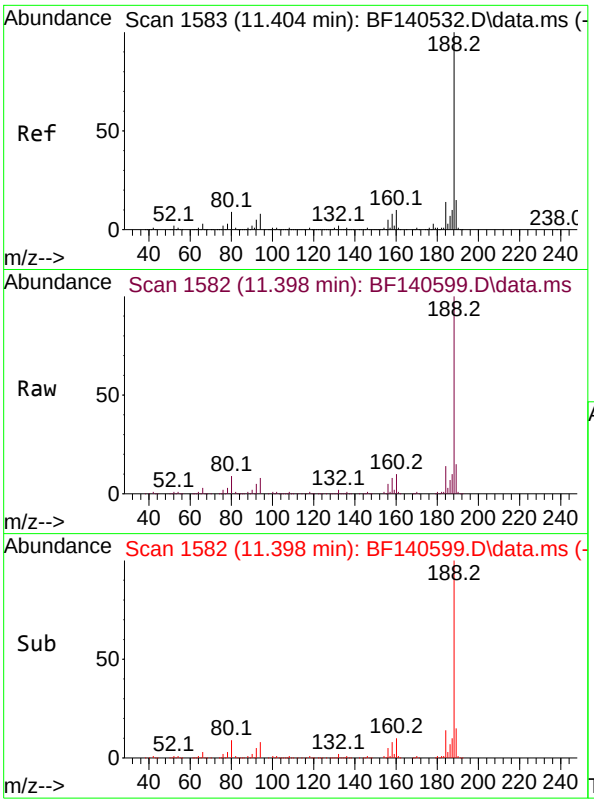


#45
2-Fluorobiphenyl
Concen: 89.339 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:172 Resp: 1397256

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.7	19.0	28.6



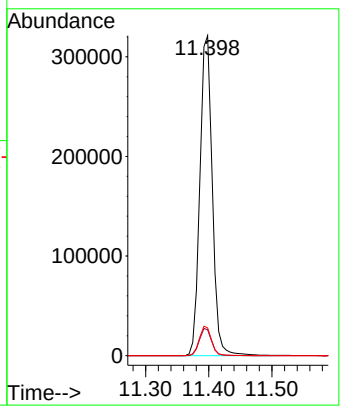


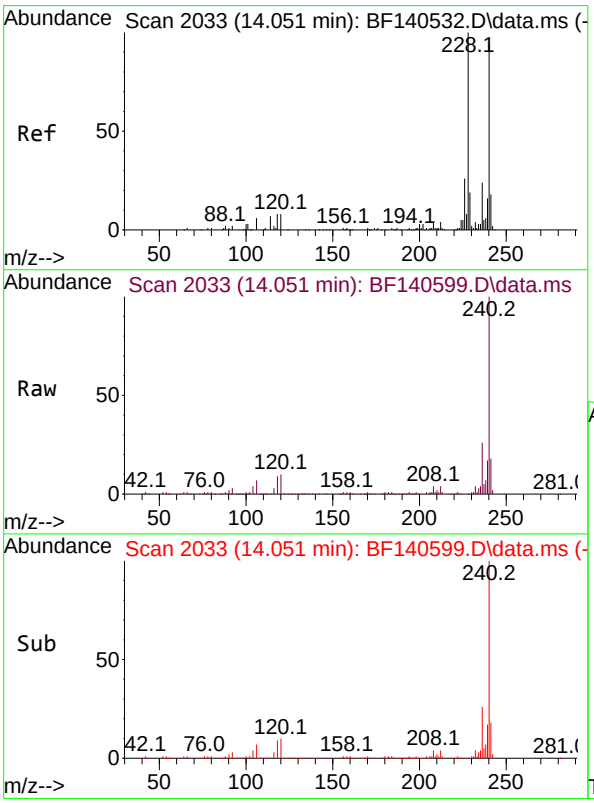
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion:188 Resp: 439175

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.7	6.9	10.3

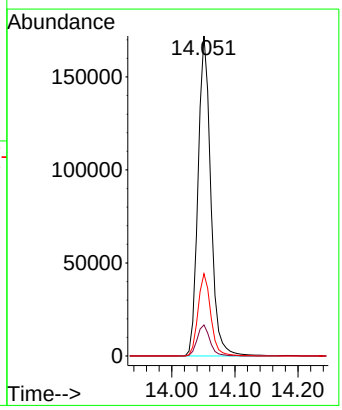


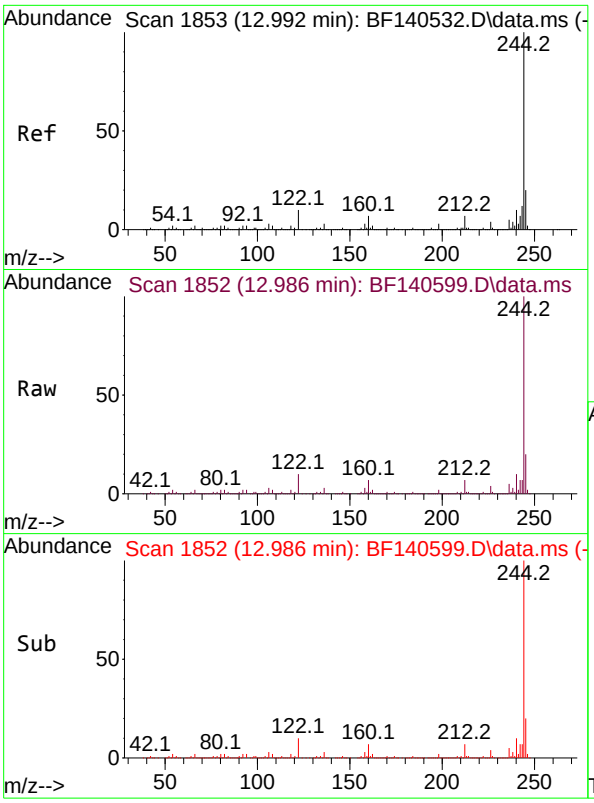


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:240 Resp: 240574

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.3	10.9
236	25.7	20.6	31.0



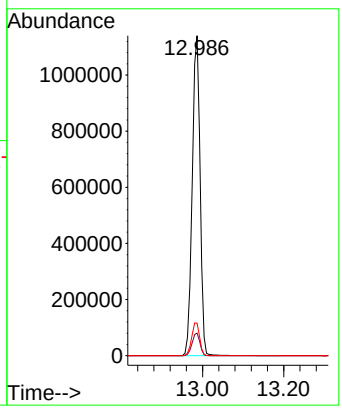


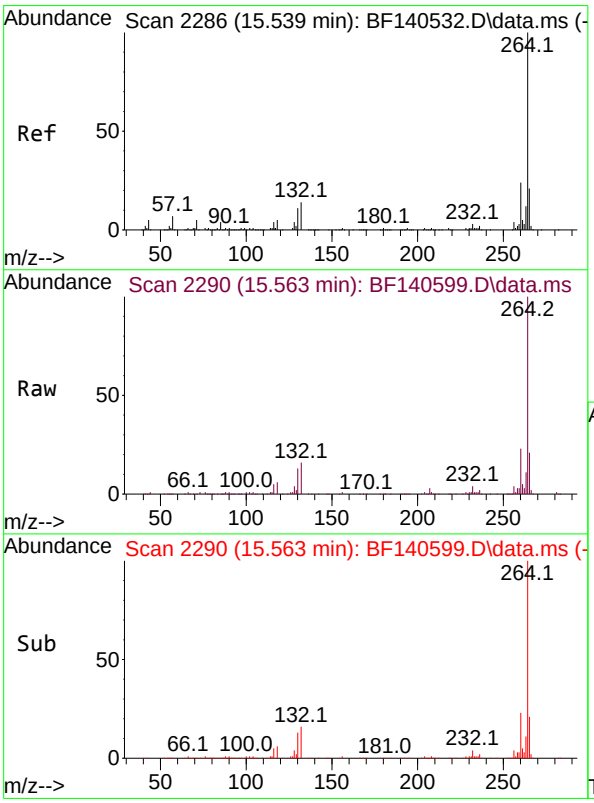
#79
Terphenyl-d14
Concen: 99.090 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Instrument :
BNA_F
ClientSampleId :
PB164886TB

Tgt Ion:244 Resp: 1530916

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	10.1	8.0	12.0

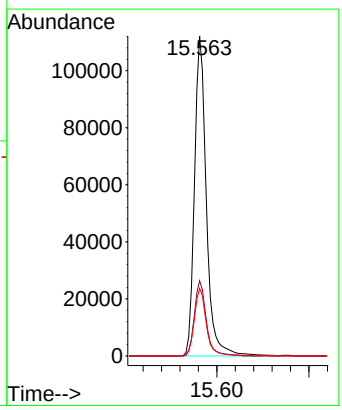




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2290
Delta R.T. 0.024 min
Lab File: BF140599.D
Acq: 25 Nov 2024 13:27

Tgt Ion:264 Resp: 200437

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.2	16.6	25.0



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

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

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.759	19.8
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
Phenol		1.646	1.682	1.702	1.664	1.709	1.688	2.5
bis(2-Chloroethyl)ether		1.362	1.474	1.392	1.165	1.446	1.397	8.0
2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.340	1.3
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
2,2-oxybis(1-Chloropropane)		1.733	1.690	1.700	1.628	1.625	1.654	3.4
Acetophenone		0.462	0.460	0.461	0.443	0.447	0.453	1.9
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
n-Nitroso-di-n-propylamine	0.958	0.996	1.040	1.058	1.027	1.046	1.023	3.5
Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.317	1.5
Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.500	3.0
Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.329	1.4
Isophorone		0.599	0.619	0.632	0.611	0.618	0.616	2.0
2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.175	5.4
2,4-Dimethylphenol		0.196	0.199	0.204	0.198	0.205	0.203	2.8
bis(2-Chloroethoxy)methane		0.376	0.383	0.386	0.371	0.375	0.377	1.7
2,4-Dichlorophenol		0.275	0.279	0.289	0.283	0.294	0.288	3.4
Naphthalene		1.071	1.033	1.027	0.983	0.983	1.010	3.6
4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.355	3.7
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
Caprolactam		0.097	0.107	0.107	0.107	0.106	0.106	4.1
4-Chloro-3-methylphenol		0.293	0.318	0.316	0.312	0.318	0.314	3.3
2-Methylnaphthalene		0.744	0.733	0.733	0.706	0.705	0.717	2.9
Hexachlorocyclopentadiene		0.106	0.128	0.153	0.167	0.175	0.154	17.7
2,4,6-Trichlorophenol		0.358	0.352	0.360	0.358	0.361	0.362	2.2
2-Fluorobiphenyl		1.353	1.295	1.299	1.204	1.160	1.225	7.5
2,4,5-Trichlorophenol		0.390	0.381	0.402	0.400	0.411	0.403	3.7
1,1-Biphenyl		1.451	1.416	1.424	1.336	1.344	1.380	3.7
2-Chloronaphthalene		1.124	1.104	1.115	1.060	1.065	1.088	2.5
2-Nitroaniline		0.248	0.273	0.292	0.288	0.300	0.288	7.4
Dimethylphthalate		1.500	1.479	1.478	1.389	1.368	1.424	4.2
Acenaphthylene		1.664	1.660	1.661	1.584	1.586	1.622	2.6

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

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

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.316	0.330	0.336	0.324	0.327	0.329	2.2
3-Nitroaniline		0.282	0.320	0.335	0.328	0.323	0.319	5.7
Acenaphthene		1.116	1.075	1.080	1.007	0.996	1.035	5.4
2,4-Dinitrophenol			0.139	0.178	0.194	0.208	0.193	15.8
4-Nitrophenol		0.197	0.235	0.278	0.275	0.274	0.264	13.3
Dibenzofuran		1.799	1.736	1.724	1.615	1.591	1.666	5.2
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
Diethylphthalate		1.600	1.579	1.577	1.457	1.442	1.502	5.4
4-Chlorophenyl-phenylether		0.757	0.736	0.733	0.689	0.680	0.706	5.1
Fluorene		1.490	1.475	1.458	1.363	1.328	1.391	6.0
4-Nitroaniline		0.285	0.334	0.359	0.349	0.355	0.344	8.1
4,6-Dinitro-2-methylphenol		0.084	0.104	0.117	0.123	0.131	0.119	16.0
n-Nitrosodiphenylamine		0.550	0.534	0.545	0.519	0.526	0.531	2.7
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
4-Bromophenyl-phenylether		0.226	0.218	0.221	0.214	0.221	0.221	1.9
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Atrazine		0.202	0.187	0.151	0.171	0.121	0.157	19.7
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Phenanthrene		1.067	1.000	1.016	0.942	0.936	0.973	5.9
Anthracene		1.030	0.985	0.998	0.943	0.932	0.961	4.9
Carbazole		1.030	1.003	1.001	0.940	0.924	0.963	5.0
Di-n-butylphthalate		1.312	1.269	1.261	1.170	1.128	1.190	7.7
Fluoranthene		1.442	1.353	1.316	1.208	1.157	1.247	10.0
Pyrene		1.201	1.158	1.199	1.130	1.125	1.138	4.9
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4
Butylbenzylphthalate		0.541	0.522	0.531	0.507	0.500	0.511	4.3
3,3-Dichlorobenzidine		0.466	0.474	0.480	0.469	0.478	0.468	2.9
Benzo(a)anthracene		1.334	1.258	1.258	1.170	1.138	1.188	8.5
Chrysene		1.261	1.215	1.207	1.116	1.074	1.129	9.1
Bis(2-ethylhexyl)phthalate		0.857	0.816	0.822	0.760	0.738	0.773	7.8
Di-n-octyl phthalate		1.510	1.430	1.383	1.284	1.226	1.308	10.6
Benzo(b)fluoranthene		1.220	1.158	1.107	1.056	1.053	1.097	6.5
Benzo(k)fluoranthene		1.119	1.045	1.080	0.977	0.966	0.996	9.2
Benzo(a)pyrene		1.023	0.974	0.977	0.926	0.923	0.947	5.0
Indeno(1,2,3-cd)pyrene		1.480	1.394	1.411	1.347	1.342	1.374	4.4

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

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

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.250	1.169	1.189	1.128	1.111	1.145	5.7
Benzo(g,h,i)perylene		1.239	1.164	1.182	1.133	1.148	1.163	3.5
1,2,4,5-Tetrachlorobenzene		0.546	0.518	0.535	0.513	0.519	0.527	2.2
1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.421	10.5
2,3,4,6-Tetrachlorophenol		0.379	0.366	0.377	0.369	0.370	0.373	1.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_E

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

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

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

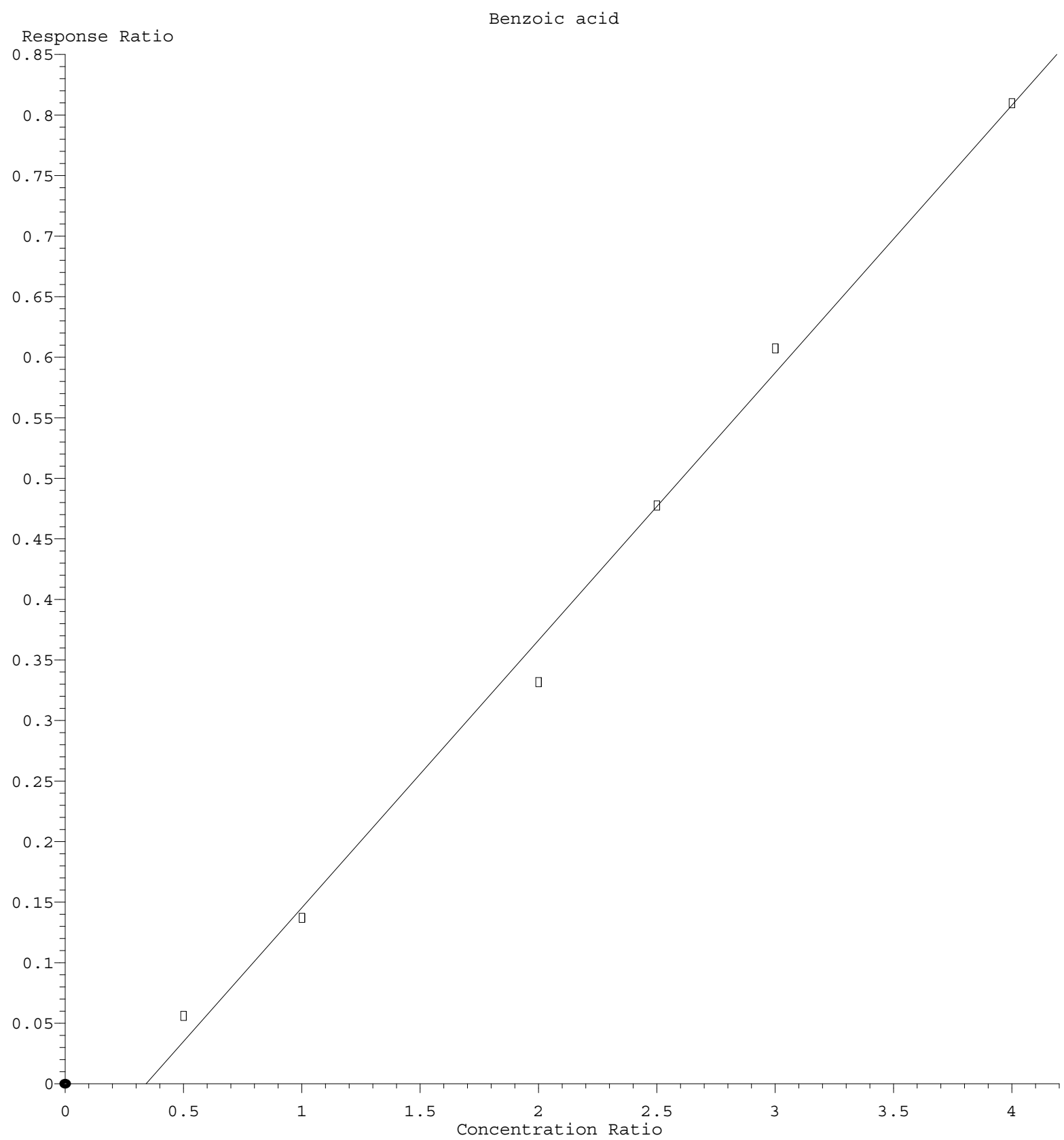
Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE110624.M

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

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

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

(#) = Out of Range



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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.566	152	55140	20.000	ng	0.00
21) Naphthalene-d8	10.333	136	244662	20.000	ng	0.00
39) Acenaphthene-d10	14.176	164	174059	20.000	ng	0.00
64) Phenanthrene-d10	16.908	188	418467	20.000	ng	0.00
76) Chrysene-d12	21.074	240	553680	20.000	ng	0.00
86) Perylene-d12	23.359	264	716356	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.371	70	6602	2.281	ng	97

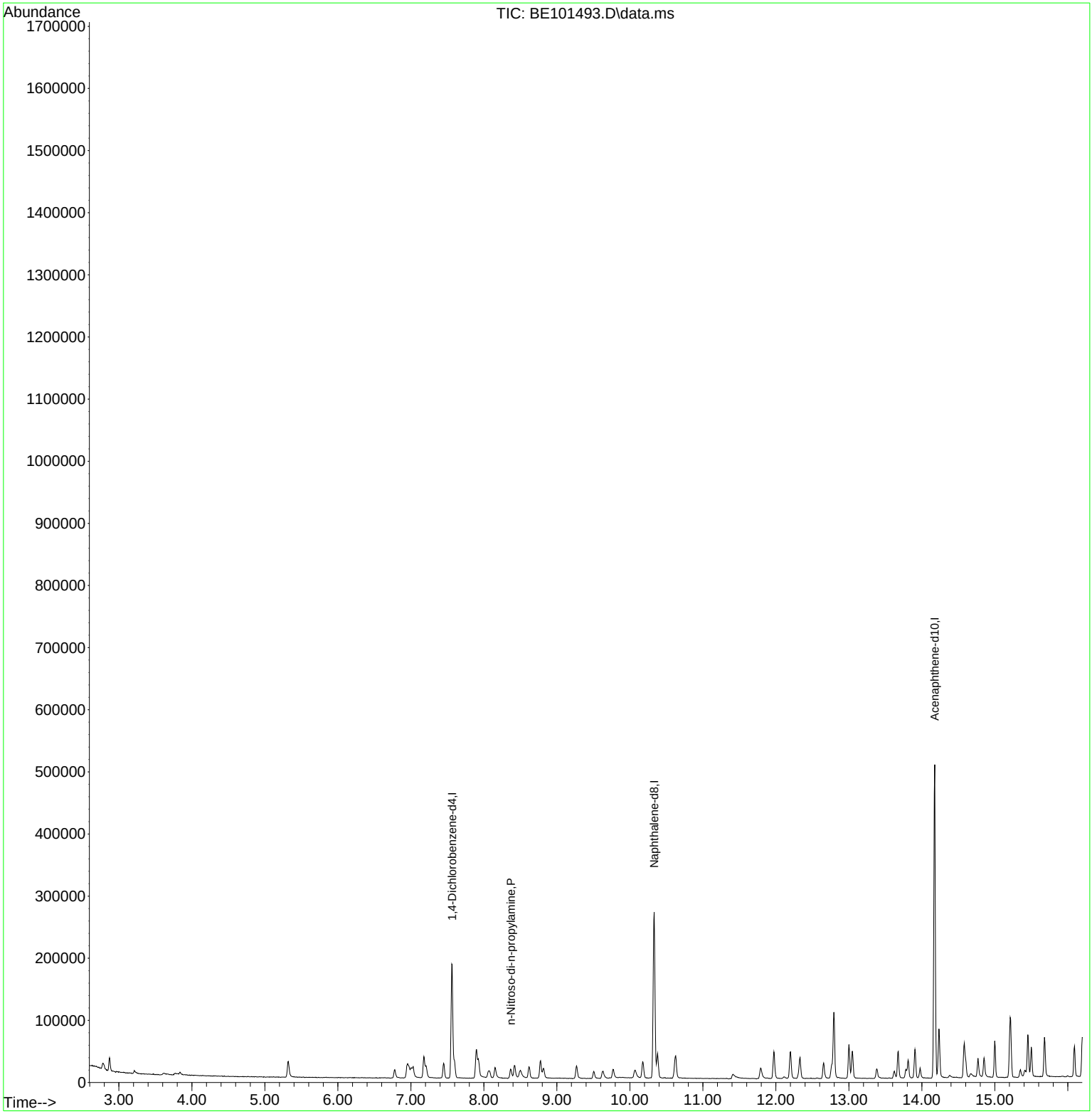
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

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

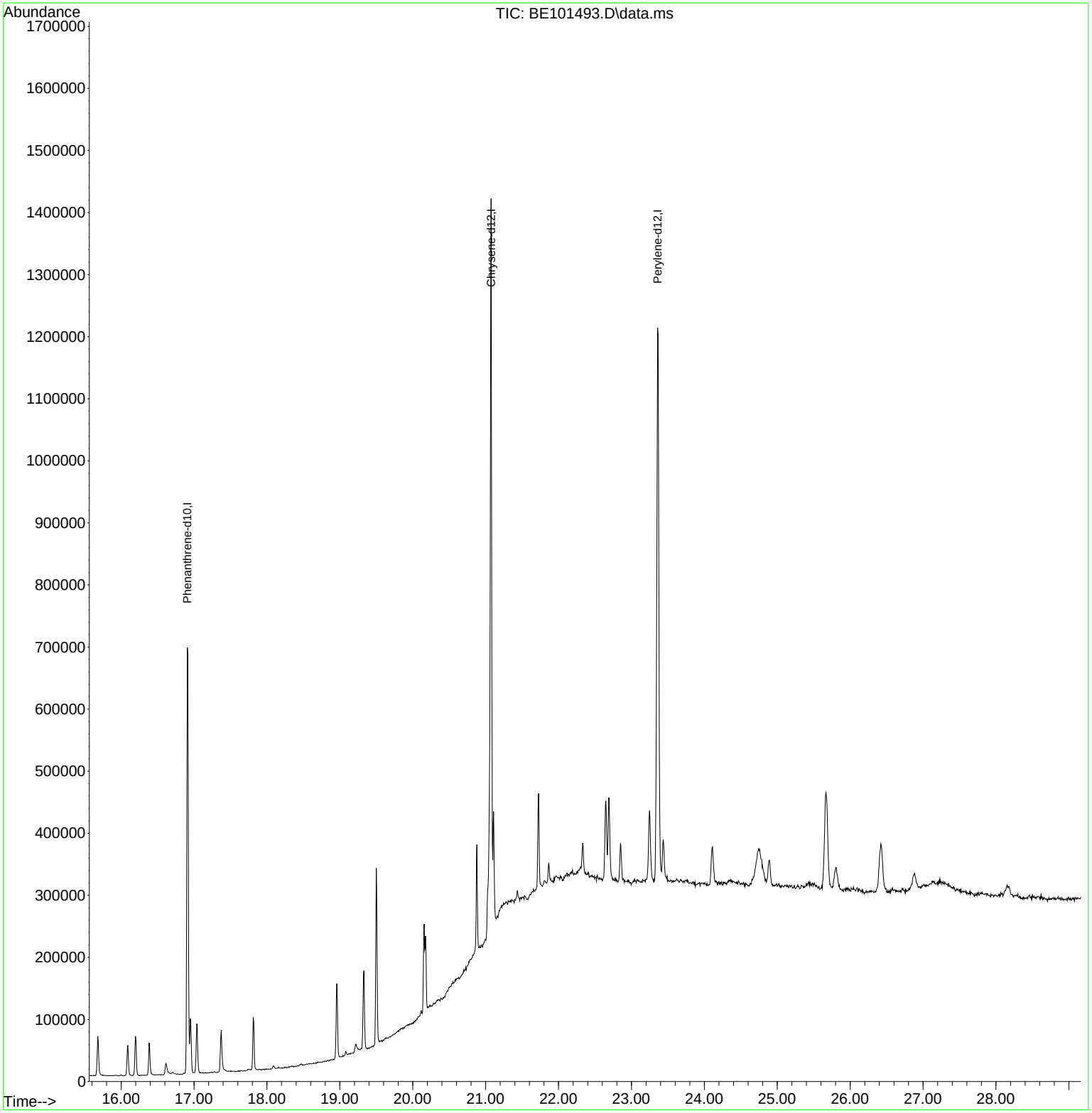


ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC2.5

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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

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

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

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

ICAL Form

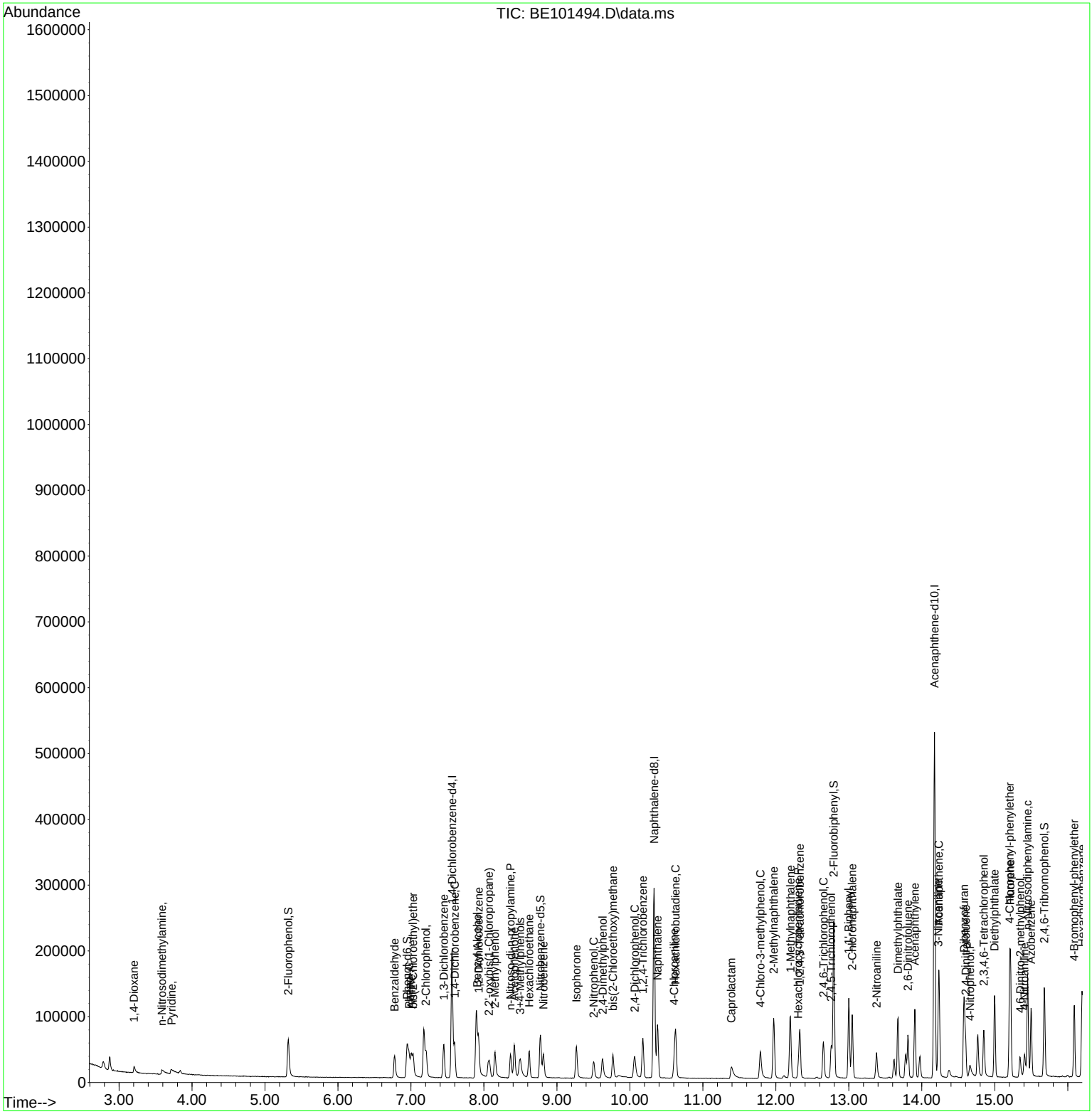
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



ICAL Form

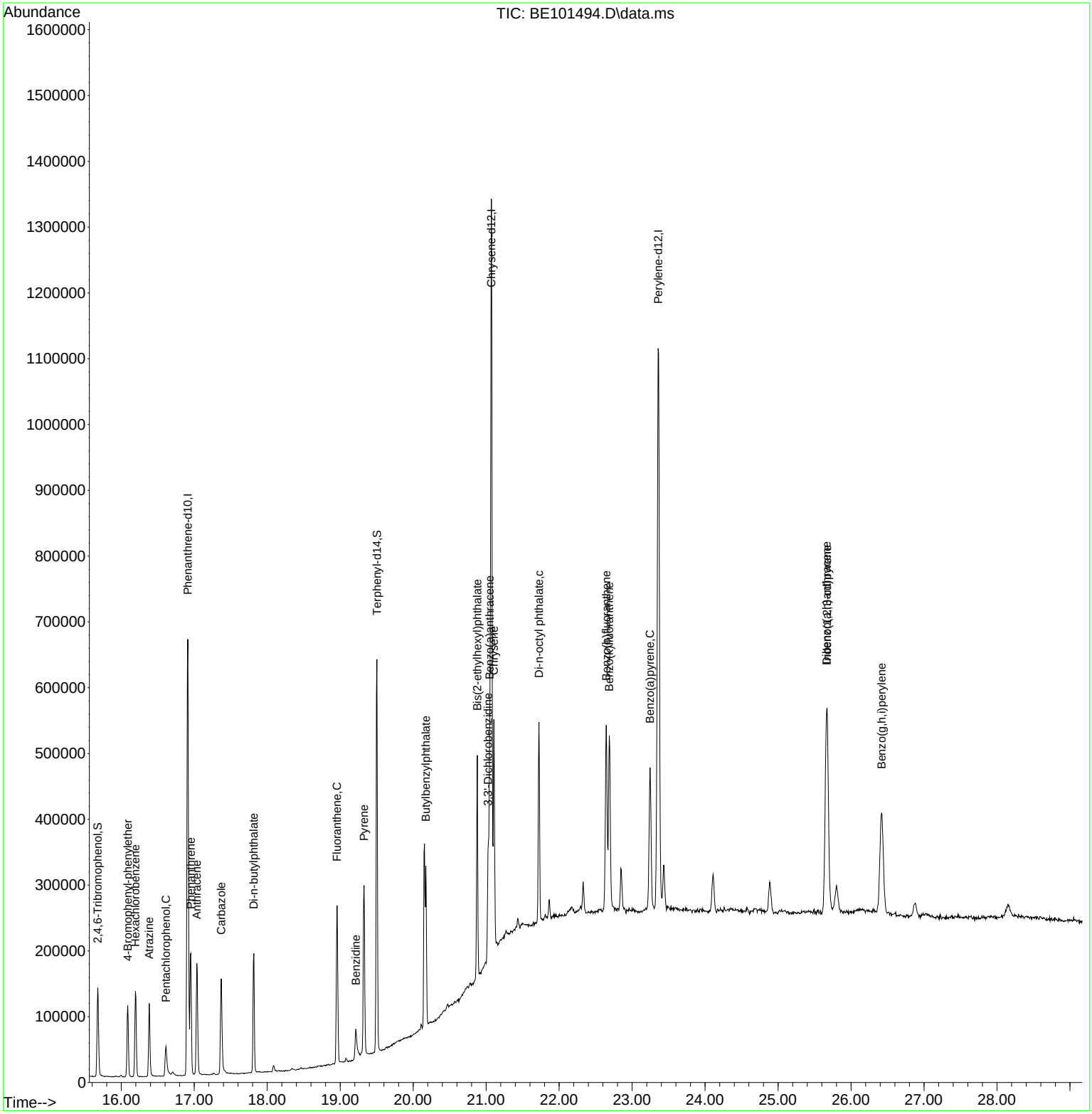
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101494.D
Acq On : 6 Nov 2024 14:27
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

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

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

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

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

ICAL Form

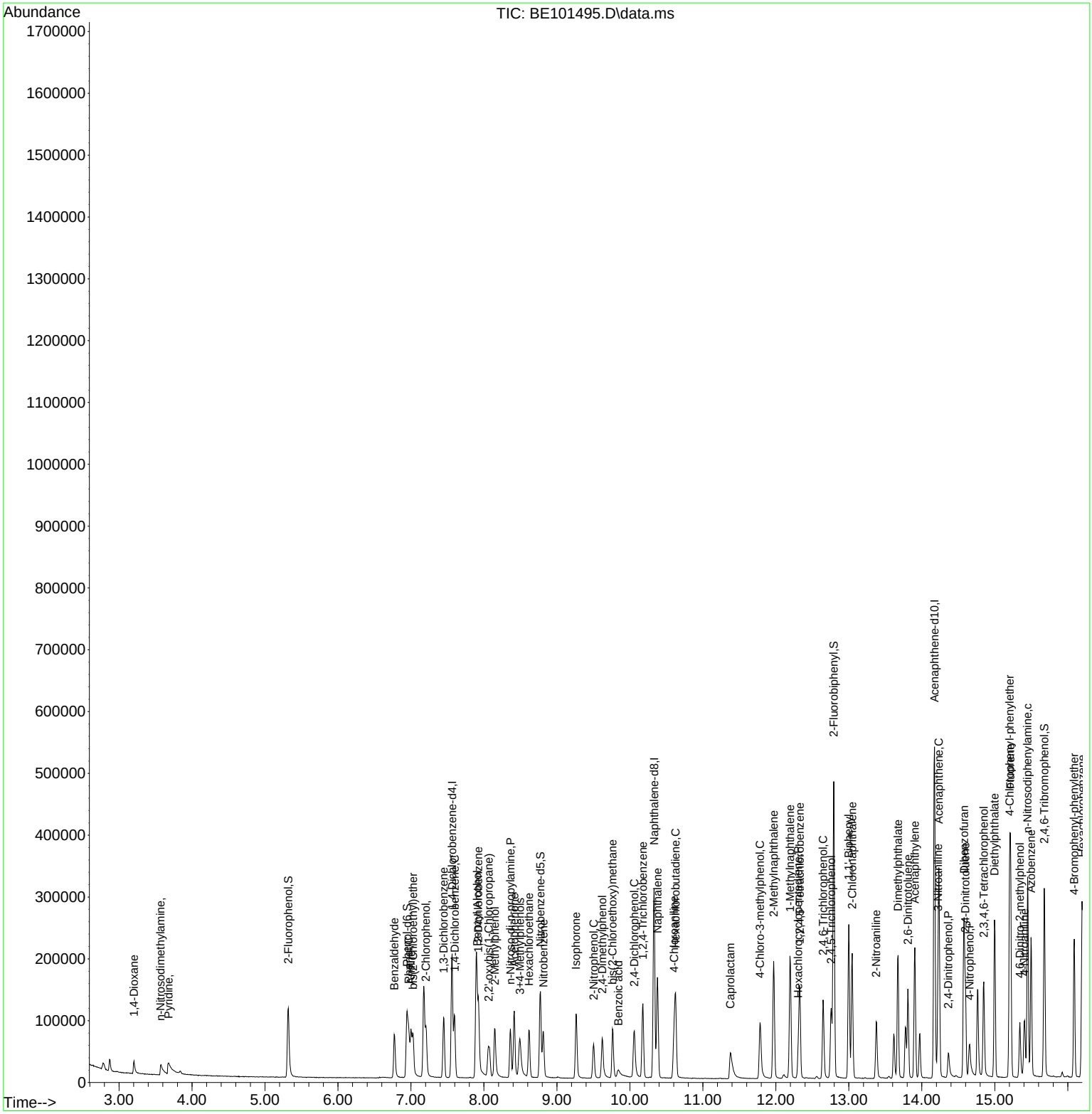
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



ICAL Form

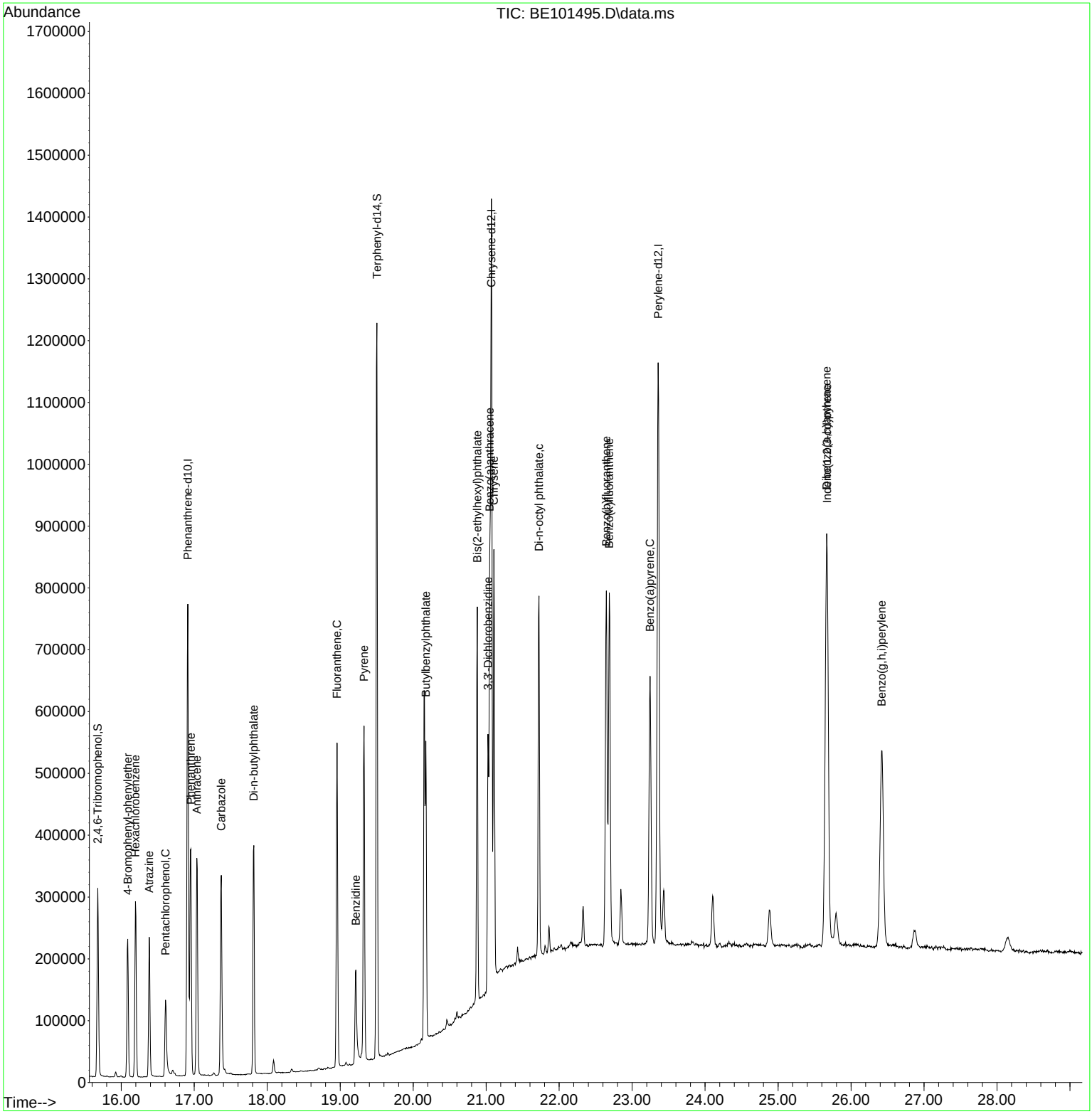
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101495.D
Acq On : 6 Nov 2024 15:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

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

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

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

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

ICAL Form

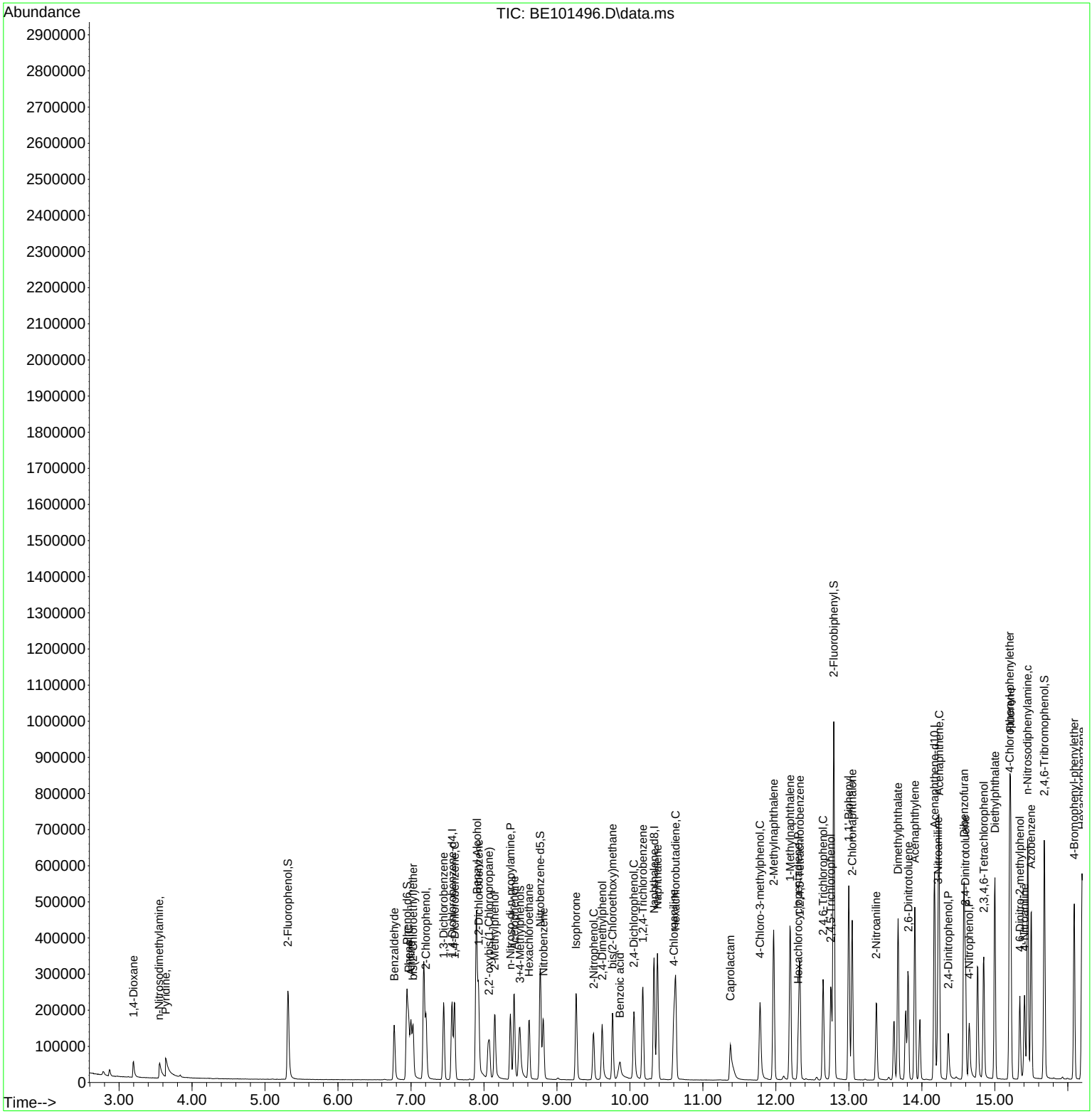
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



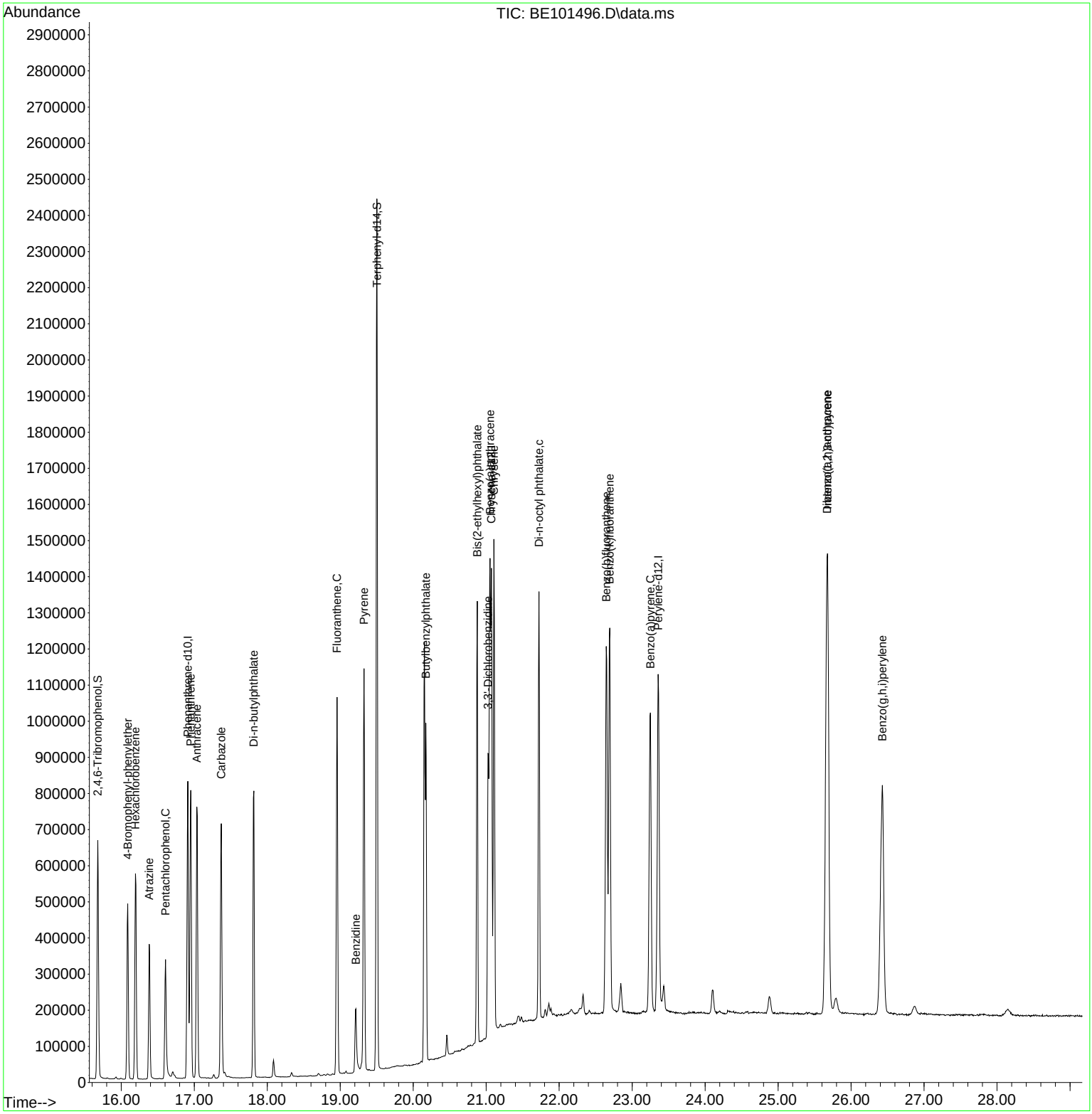
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101496.D
Acq On : 6 Nov 2024 15:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

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

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

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

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

ICAL Form

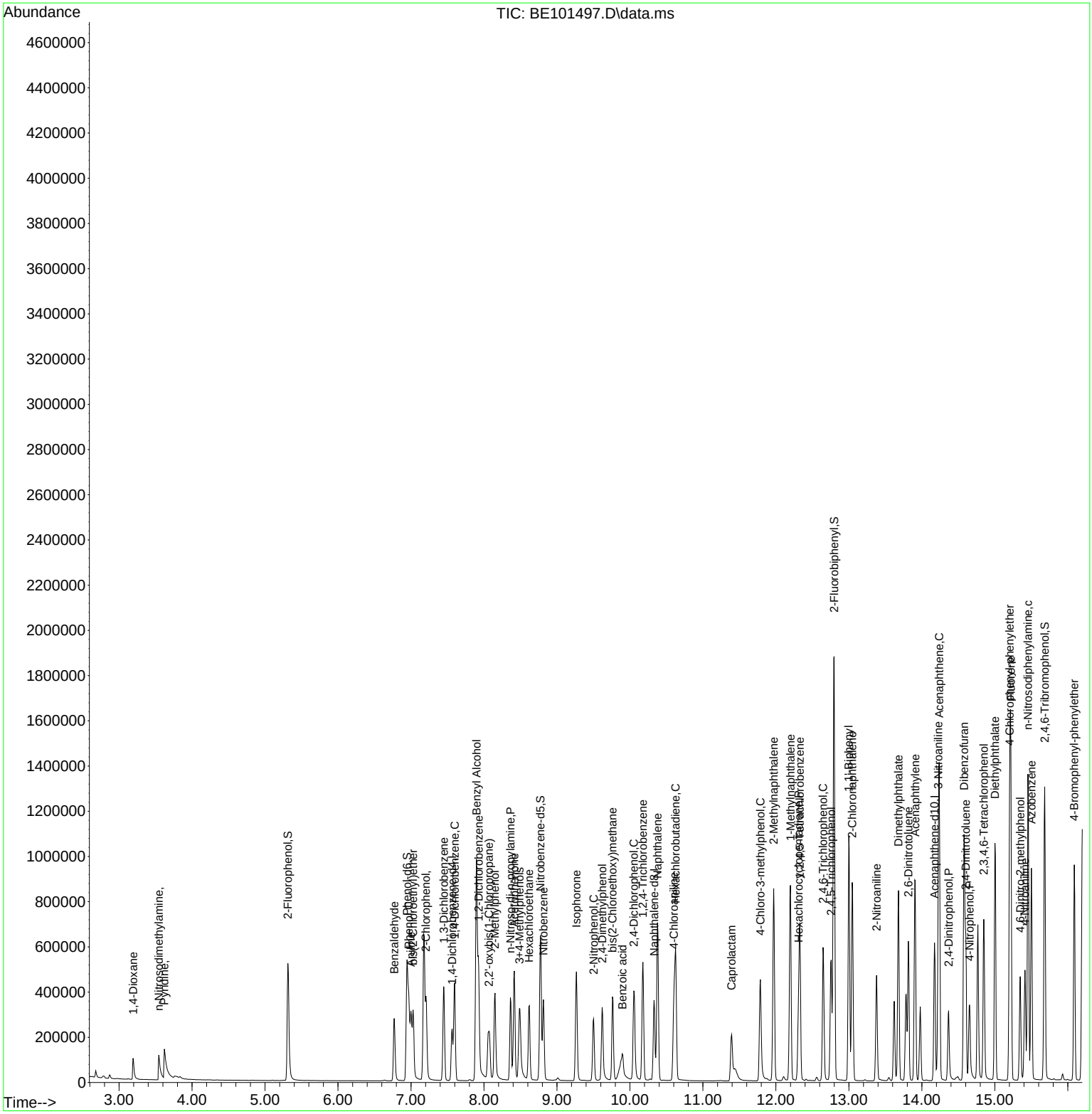
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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



ICAL Form

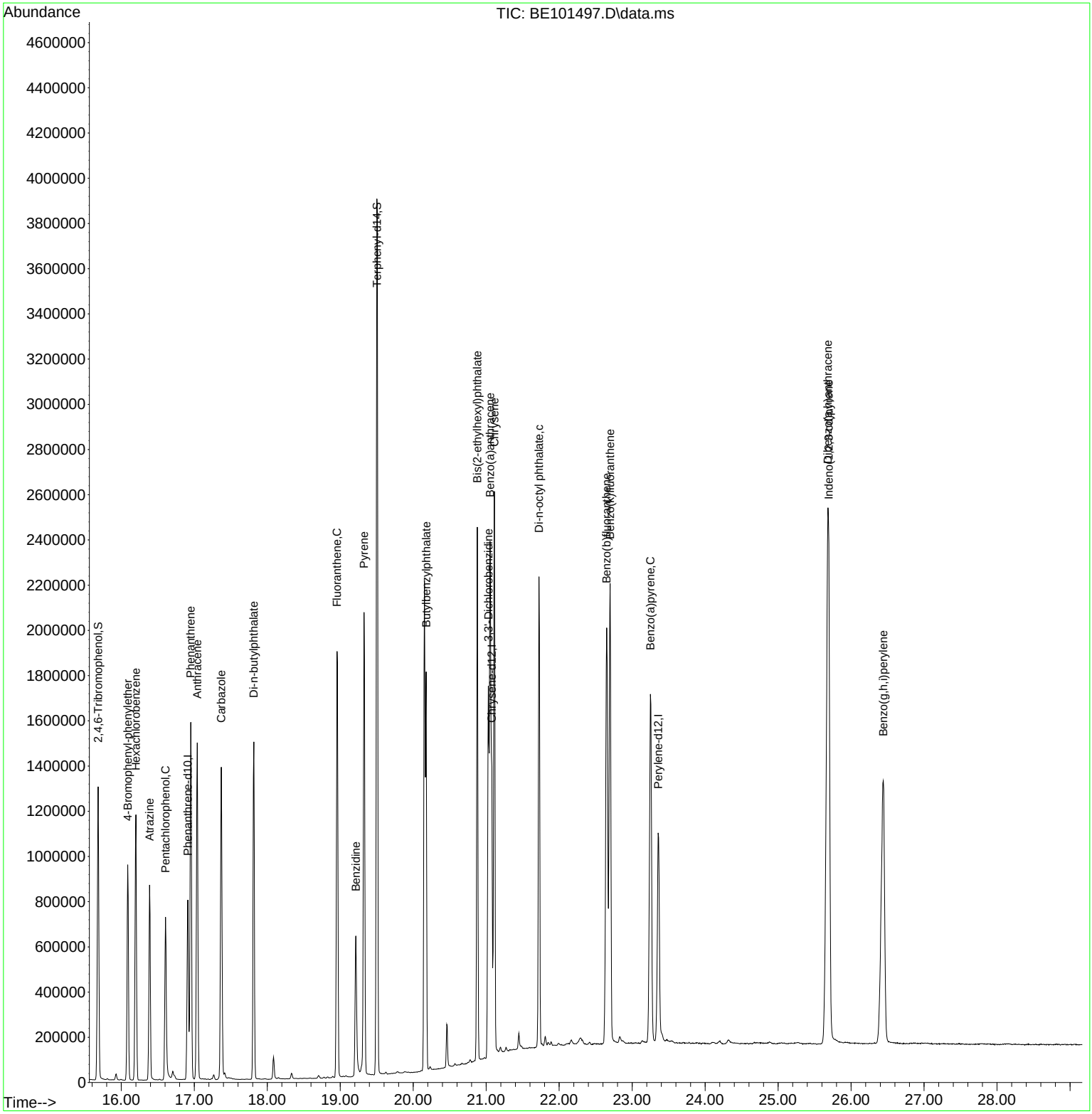
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101497.D
Acq On : 6 Nov 2024 16:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

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

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

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

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

ICAL Form

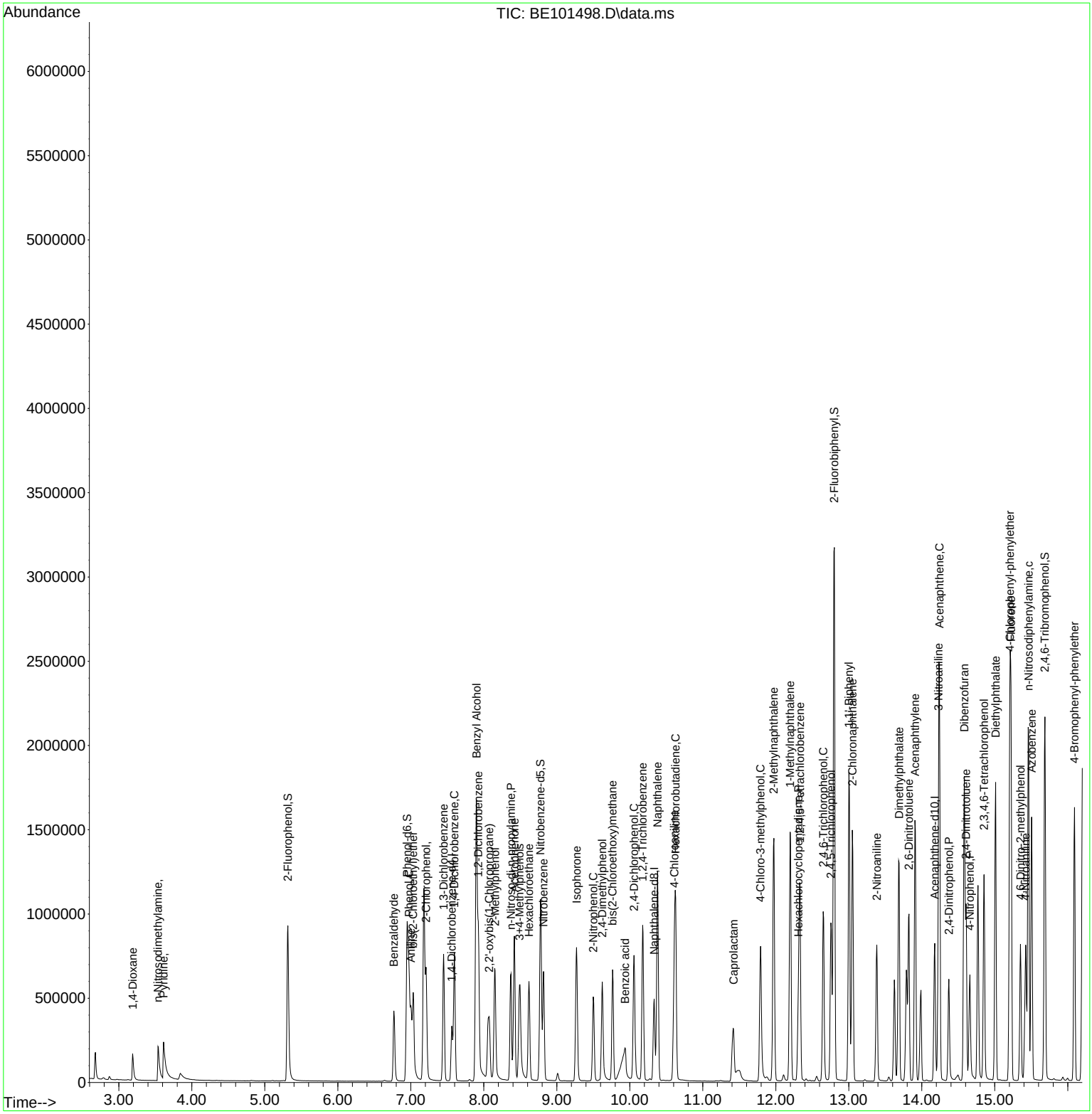
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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



ICAL Form

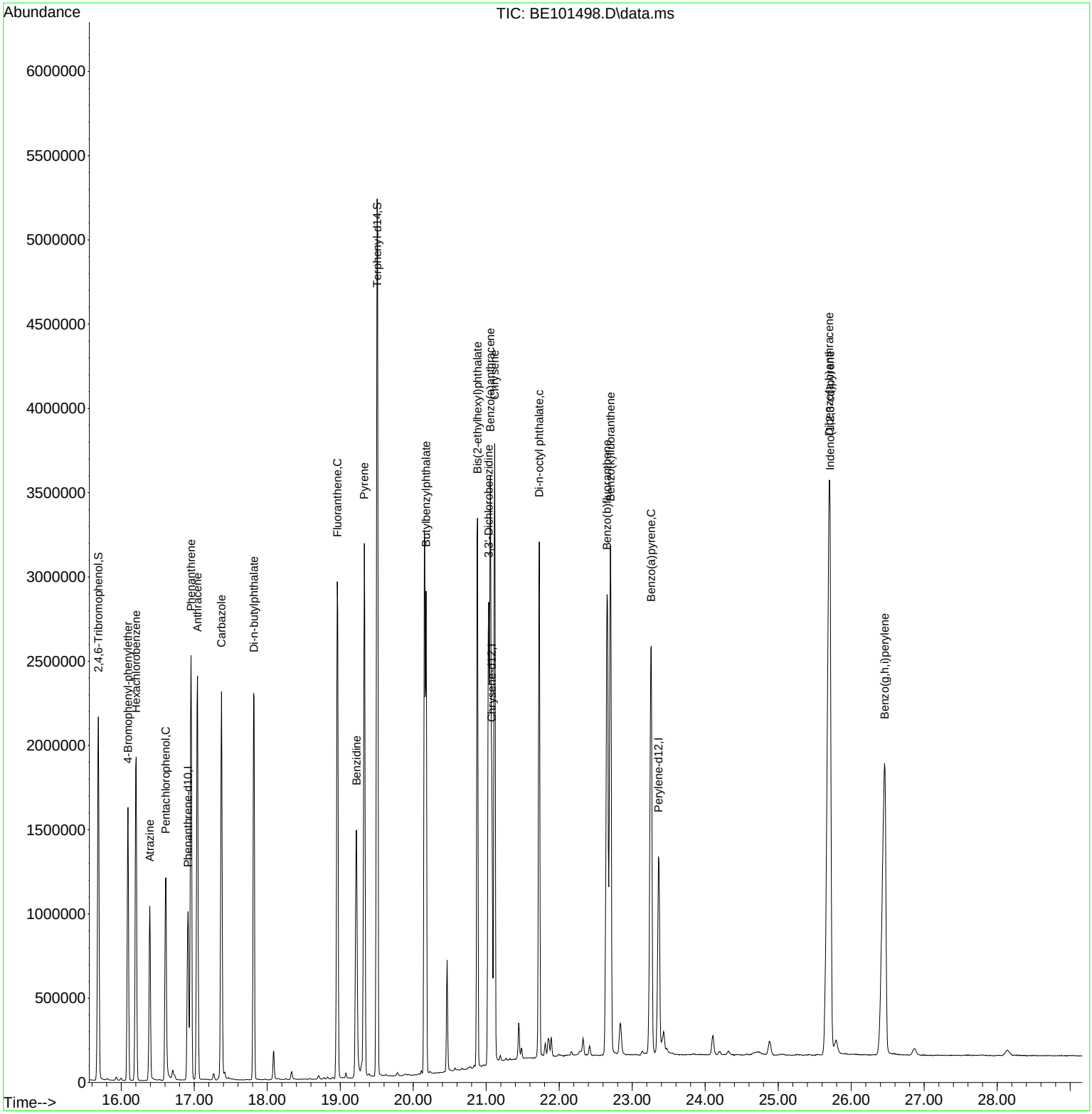
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101498.D
Acq On : 6 Nov 2024 16:50
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

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

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

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

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

ICAL Form

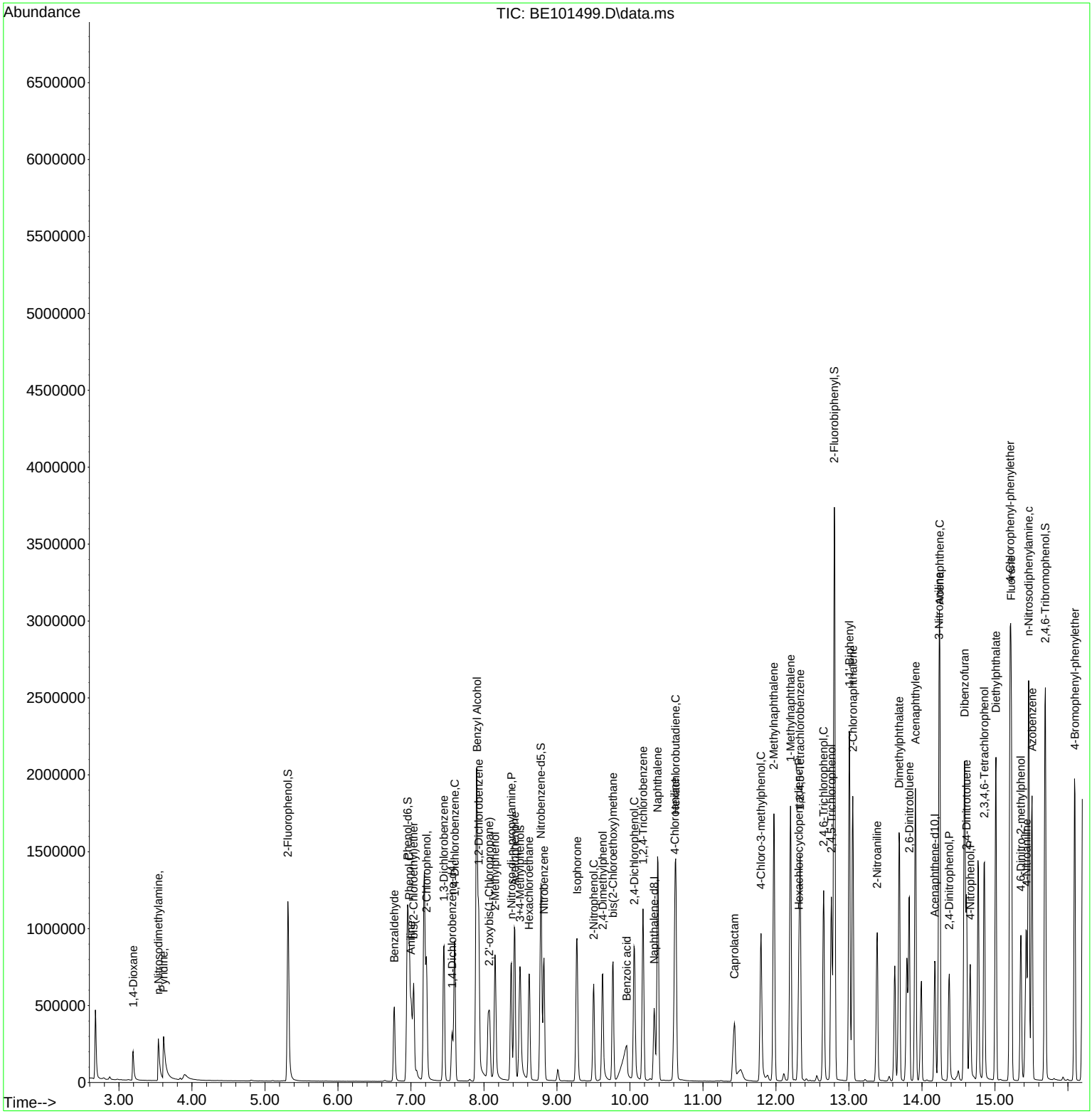
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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



ICAL Form

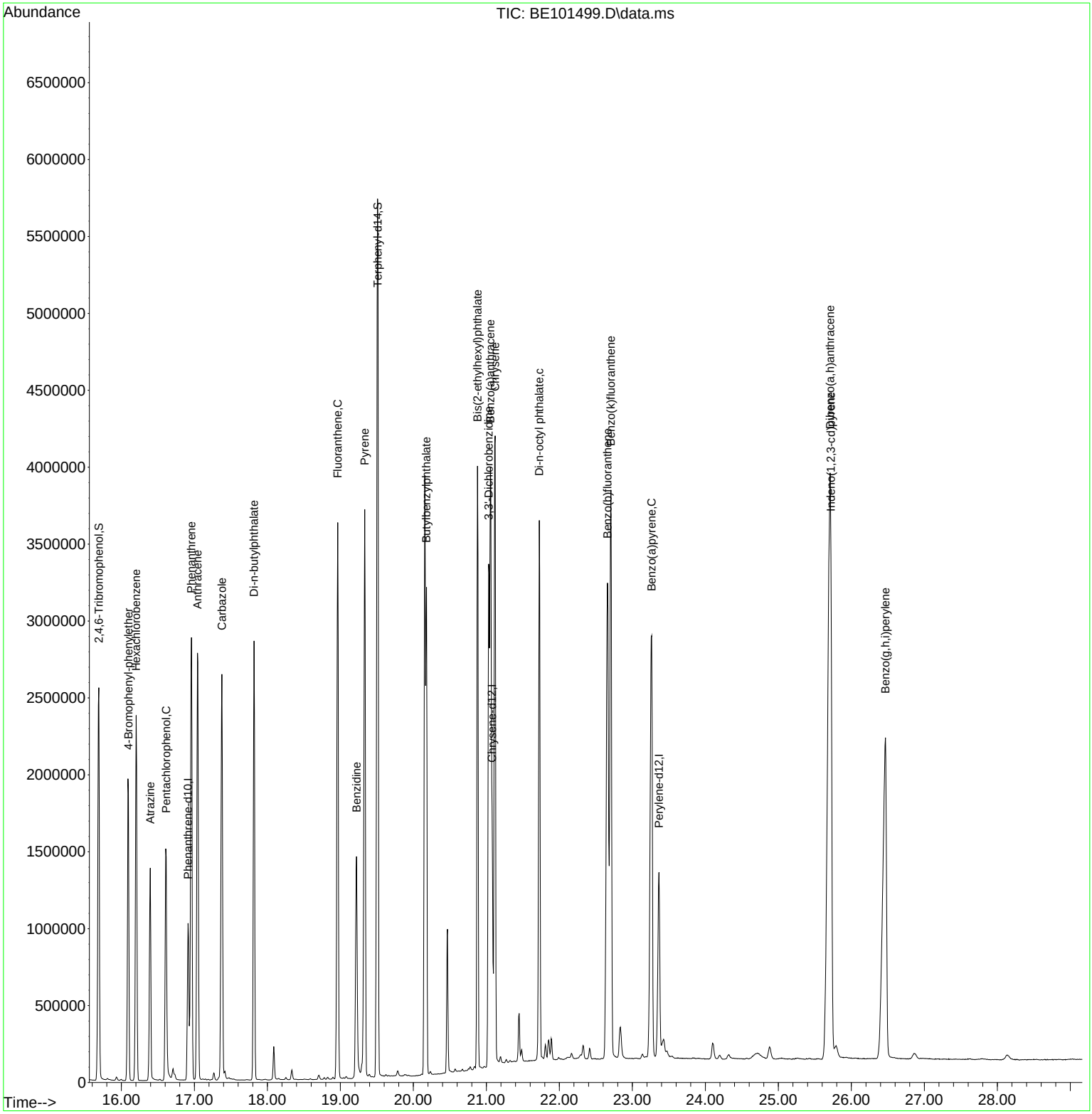
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101499.D
Acq On : 6 Nov 2024 17:26
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

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

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

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

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

ICAL Form

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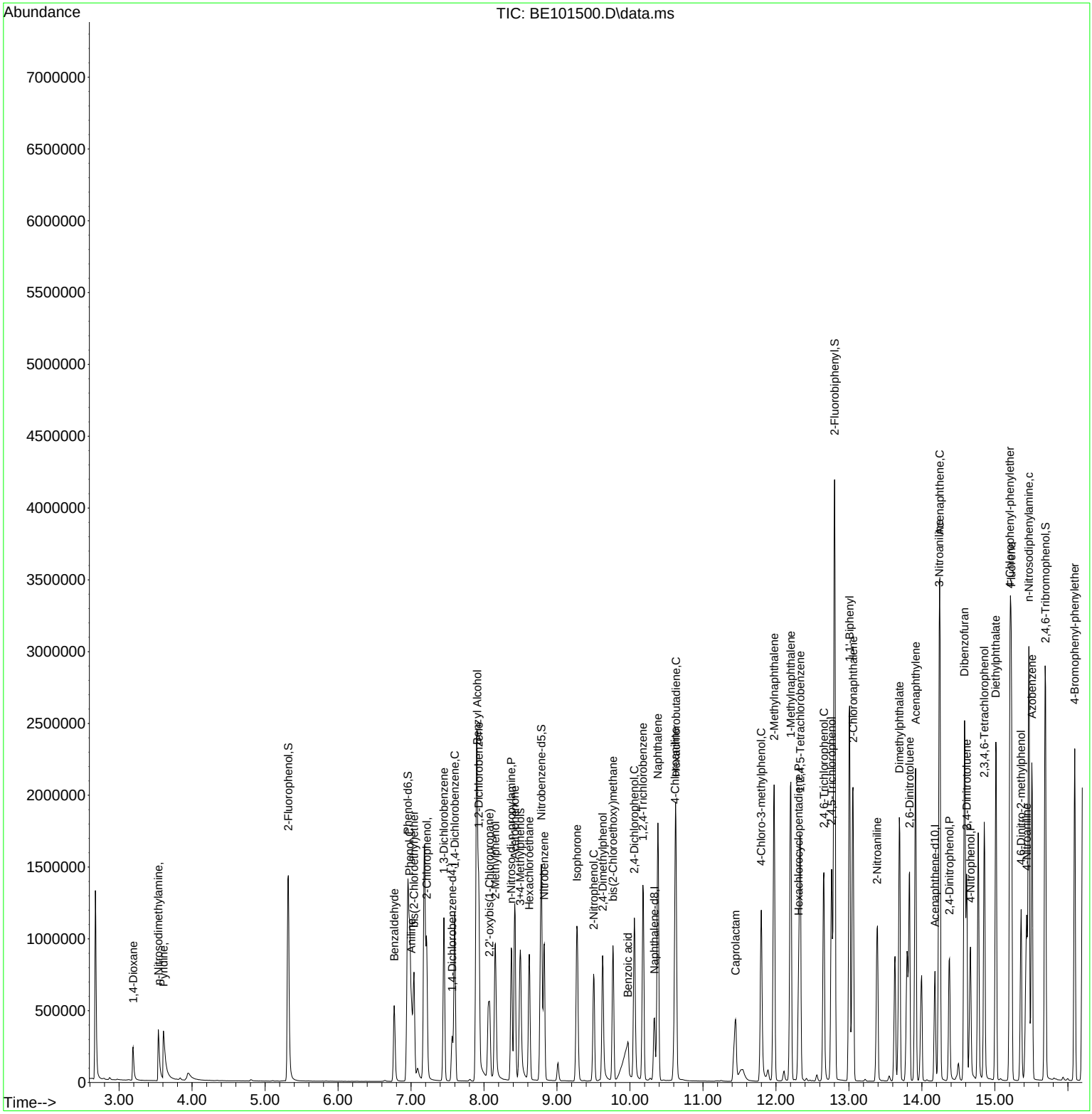
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



ICAL Form

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Data File : BE101500.D
Acq On : 6 Nov 2024 18:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 06 23:55:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
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Instrument :
BNA_E
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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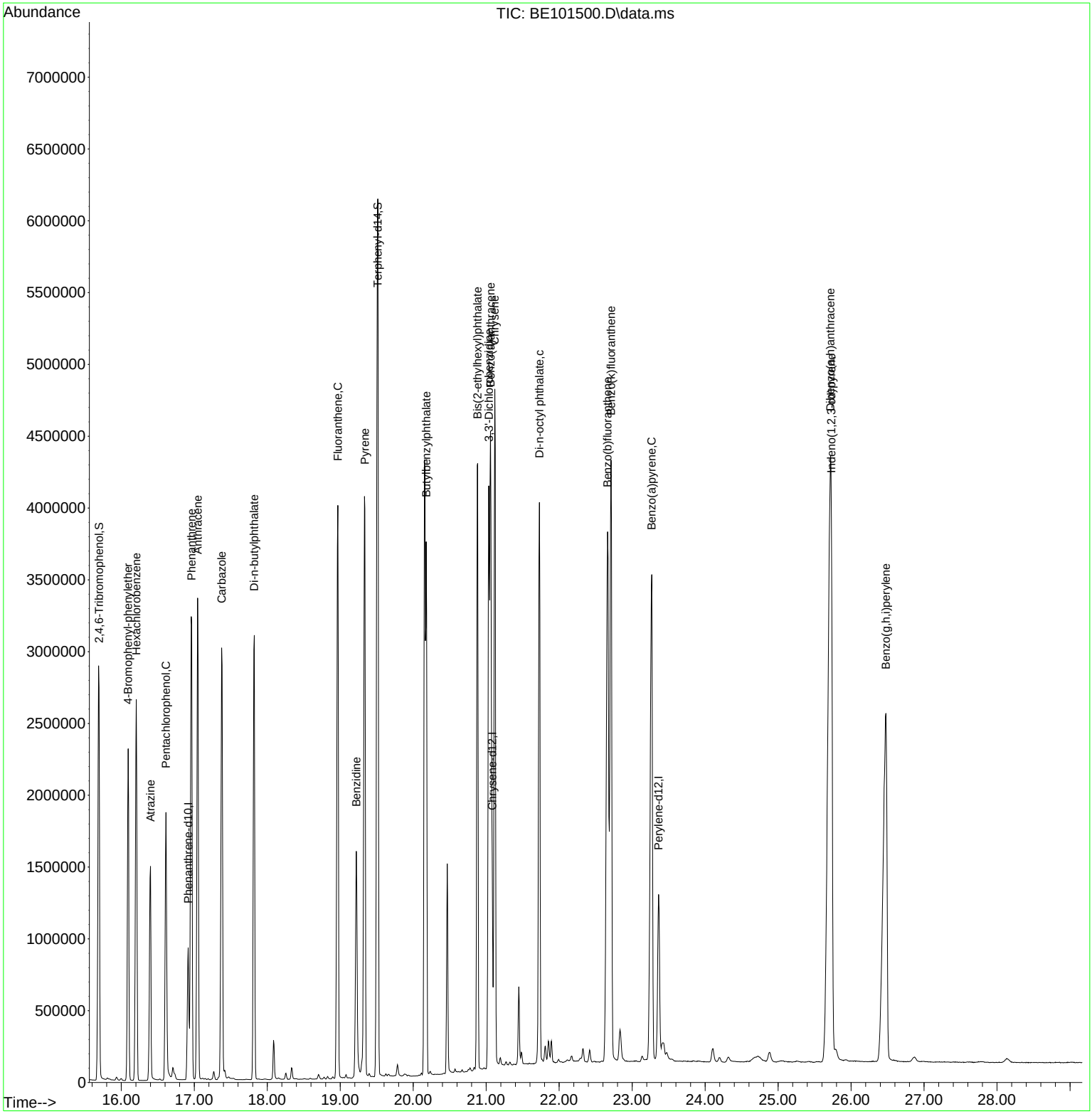

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

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

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

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

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

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

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/07/2024
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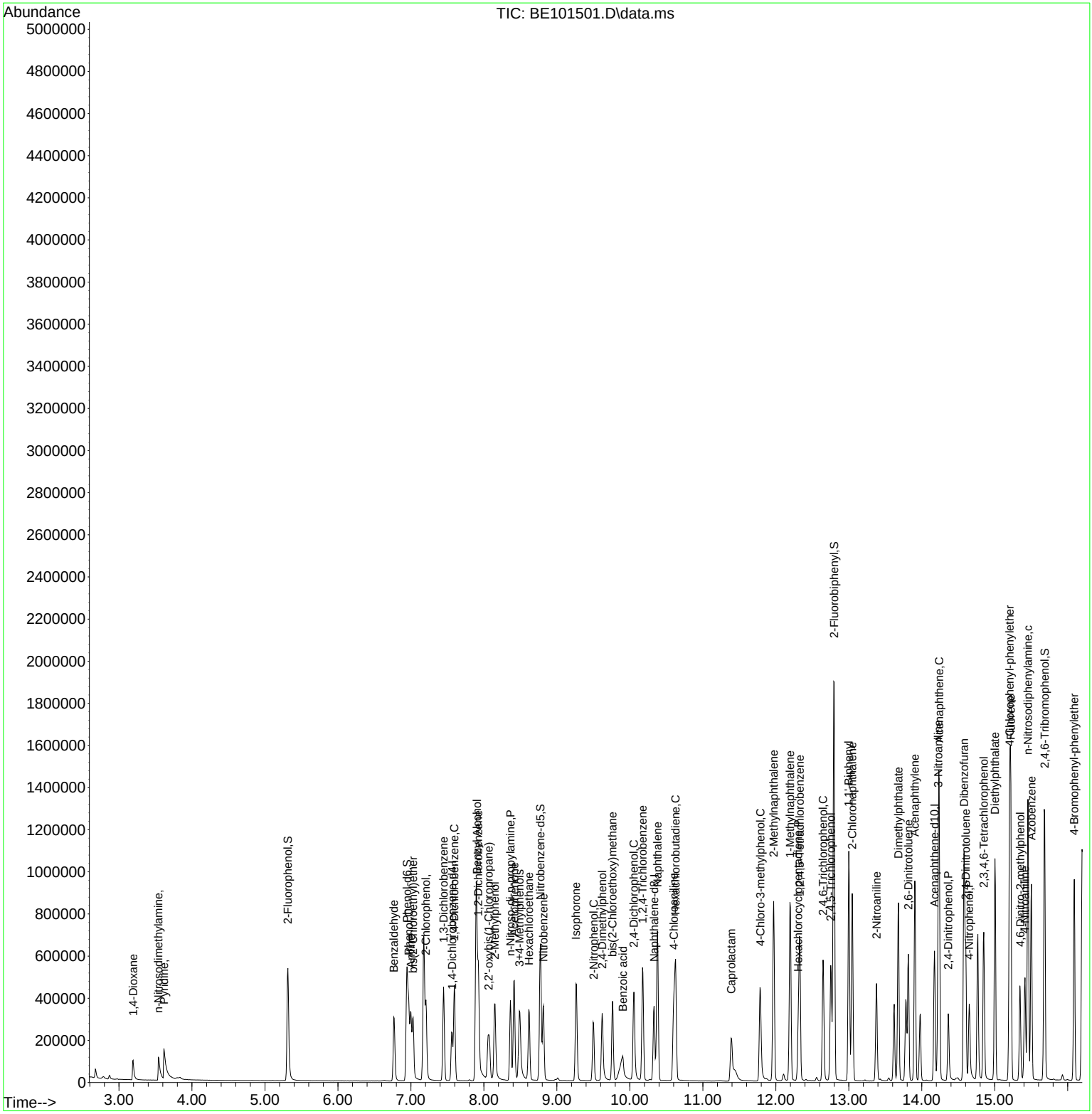

ICAL Form

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Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 07 00:03:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
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Instrument :
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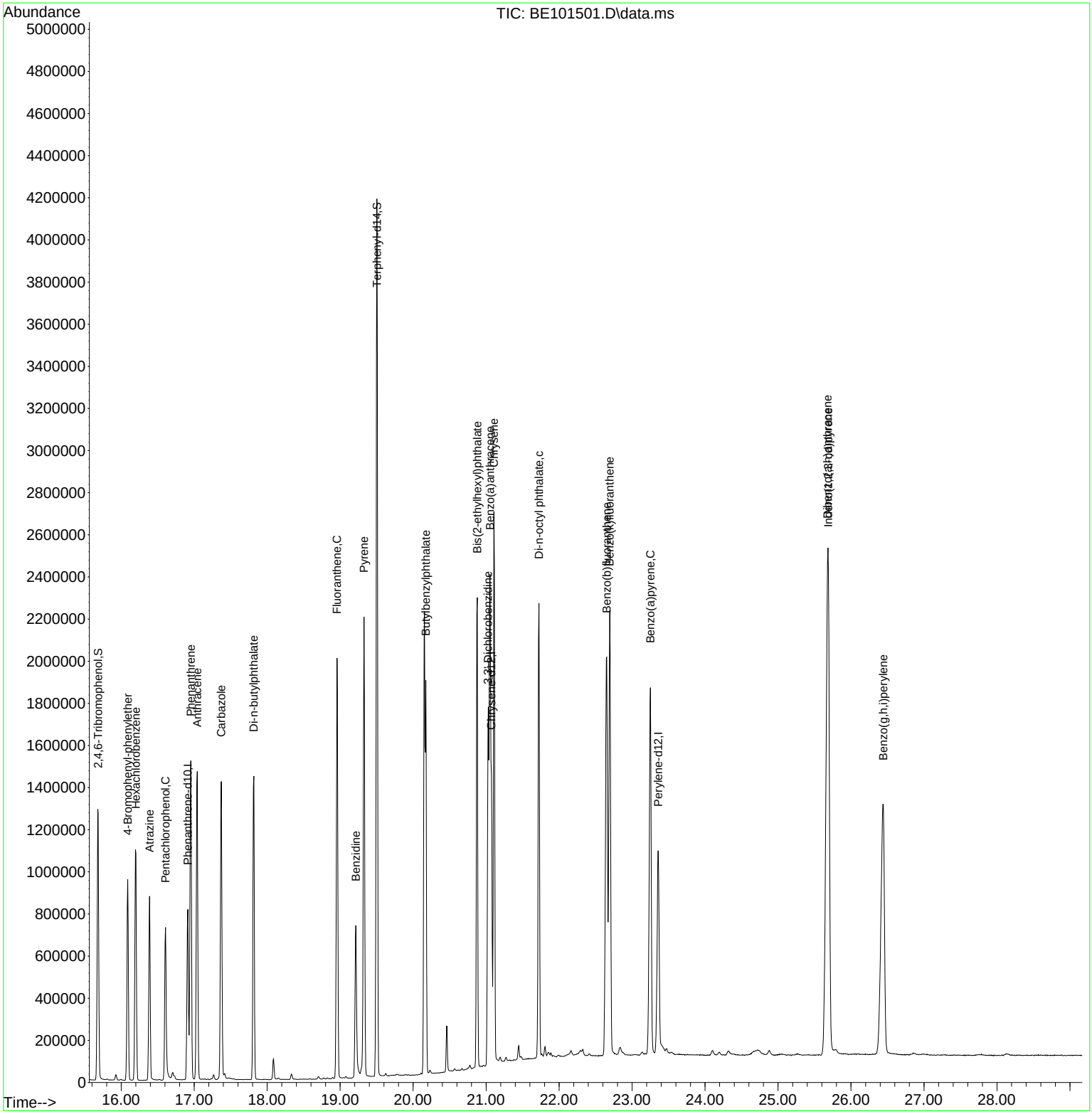
Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_E
ClientSampleId :
ICVBE110624

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

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

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

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

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
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Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

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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

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		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	39.497	1.3	104	0.00
3		Pyridine	40.000	38.795	3.0	101	0.00
4		n-Nitrosodimethylamine	40.000	39.271	1.8	104	0.00
5	S	2-Fluorophenol	80.000	78.684	1.6	103	0.00
6		Aniline	40.000	44.123	-10.3	95	0.00
7	S	Phenol-d6	80.000	79.200	1.0	101	0.00
8		2-Chlorophenol	40.000	39.308	1.7	102	0.00
9		Benzaldehyde	40.000	44.231	-10.6	111	0.00
10	C	Phenol	40.000	40.122	-0.3	103	0.00
11		bis(2-Chloroethyl)ether	40.000	36.662	8.3	112	0.00
12		1,3-Dichlorobenzene	40.000	38.925	2.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.708	3.2	101	0.00
14		1,2-Dichlorobenzene	40.000	38.920	2.7	101	0.00
15		Benzyl Alcohol	40.000	40.656	-1.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.031	2.4	101	0.00
17		2-Methylphenol	40.000	41.213	-3.0	103	0.00
18		Hexachloroethane	40.000	39.102	2.2	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.976	0.1	101	0.00
20		3+4-Methylphenols	40.000	40.202	-0.5	102	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	39.183	2.0	101	0.00
23	S	Nitrobenzene-d5	80.000	79.517	0.6	101	0.00
24		Nitrobenzene	40.000	39.688	0.8	102	0.00
25		Isophorone	40.000	39.688	0.8	101	0.00
26	C	2-Nitrophenol	40.000	40.104	-0.3	102	0.00
27		2,4-Dimethylphenol	40.000	39.338	1.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.945	2.6	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.965	0.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	38.514	3.7	100	0.00
31		Naphthalene	40.000	38.966	2.6	101	0.00
32		Benzoic acid	40.000	37.459	6.4	103	0.00
33		4-Chloroaniline	40.000	41.044	-2.6	102	0.00
34	C	Hexachlorobutadiene	40.000	38.605	3.5	100	0.00
35		Caprolactam	40.000	39.820	0.4	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.752	0.6	101	0.00
37		2-Methylnaphthalene	40.000	38.989	2.5	100	0.00
38		1-Methylnaphthalene	40.000	38.952	2.6	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.795	3.0	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.490	-1.2	93	0.00
42	S	2,4,6-Tribromophenol	80.000	79.111	1.1	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.711	0.7	100	0.00
44		2,4,5-Trichlorophenol	40.000	40.215	-0.5	101	0.00
45	S	2-Fluorobiphenyl	80.000	79.586	0.5	101	0.00
46		1,1'-Biphenyl	40.000	39.279	1.8	101	0.00
47		2-Chloronaphthalene	40.000	39.055	2.4	100	0.00

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

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

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

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

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

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

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

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

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

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

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

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date(s): 11/13/2024 11/13/2024

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

LAB FILE ID: RRF2.5 = BF140332.D RRF005 = BF140333.D RRF010 = BF140334.D
RRF020 = BF140335.D RRF050 = BF140337.D RRF060 = BF140338.D

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

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

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

Calibration Files
2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF1403
39.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53
3)		Pyridine		1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61
4)		n-Nitrosodimet...		0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39
5)	S	2-Fluorophenol		1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84
6)		Aniline		1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42
7)	S	Phenol-d6		1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09
8)		2-Chlorophenol		1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49
9)		Benzaldehyde		1.101	1.087	1.017	0.891	0.828	0.783		0.951	14.32
10)	C	Phenol		1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31
11)		bis(2-Chloroet...		1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60
12)		1,3-Dichlorobe...		1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98
13)	C	1,4-Dichlorobe...		1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49
14)		1,2-Dichlorobe...		1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63
15)		Benzyl Alcohol		1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10
16)		2,2'-oxybis(1-...		1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01
17)		2-Methylphenol		1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07
18)		Hexachloroethane		0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30
19)	P	n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20)		3+4-Methylphenols		1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35
23)	S	Nitrobenzene-d5		0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28
24)		Nitrobenzene		0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61
25)		Isophorone		0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87
26)	C	2-Nitrophenol		0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99
27)		2,4-Dimethylph...		0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86
28)		bis(2-Chloroet...		0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80
29)	C	2,4-Dichloroph...		0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20
30)		1,2,4-Trichlor...		0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15
31)		Naphthalene		1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60
32)		Benzoic acid		0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01
33)		4-Chloroaniline		0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36
34)	C	Hexachlorobuta...		0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73
35)		Caprolactam		0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27
36)	C	4-Chloro-3-met...		0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14
37)		2-Methylnaphth...		0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01
38)		1-Methylnaphth...		0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39

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

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

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

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

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

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

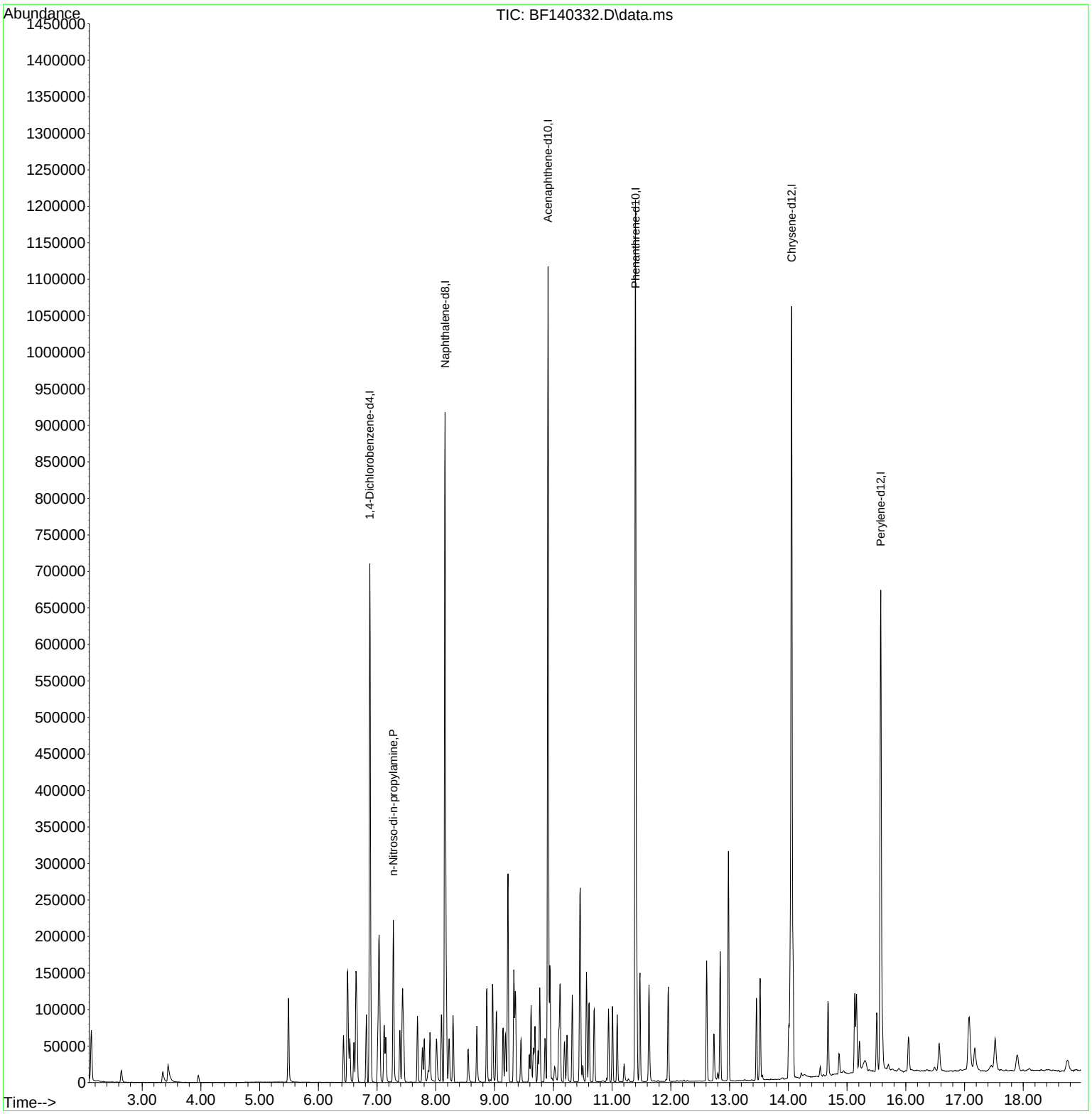
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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



Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	147440	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	561082	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	317345	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	615904	20.000	ng		0.00
76) Chrysene-d12	14.051	240	462864	20.000	ng		0.00
86) Perylene-d12	15.563	264	372118	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	98004	11.349	ng		0.00
7) Phenol-d6	6.493	99	130723	11.173	ng		-0.01
23) Nitrobenzene-d5	7.434	82	115292	10.706	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	34890	11.056	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	241751	12.246	ng		0.00
79) Terphenyl-d14	12.980	244	283824	10.644	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	21442	5.571	ng		95
3) Pyridine	3.422	79	52697	5.569	ng		98
4) n-Nitrosodimethylamine	3.346	42	24263	5.074	ng	#	97
6) Aniline	6.534	93	58498	5.748	ng		98
8) 2-Chlorophenol	6.657	128	51502	5.552	ng		99
9) Benzaldehyde	6.428	77	40600	5.790	ng		100
10) Phenol	6.504	94	66303	5.374	ng		99
11) bis(2-Chloroethyl)ether	6.604	93	50099	5.359	ng		97
12) 1,3-Dichlorobenzene	6.816	146	58435	5.709	ng		99
13) 1,4-Dichlorobenzene	6.893	146	58594	5.646	ng		99
14) 1,2-Dichlorobenzene	7.046	146	55054	5.714	ng		100
15) Benzyl Alcohol	7.010	79	43212	5.126	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.146	45	70257	5.441	ng		100
17) 2-Methylphenol	7.116	107	40243	5.274	ng		97
18) Hexachloroethane	7.387	117	20701	5.396	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	37919	5.366	ng		97
20) 3+4-Methylphenols	7.275	107	52942	5.548	ng	#	82
22) Acetophenone	7.281	105	74642	5.720	ng		95
24) Nitrobenzene	7.451	77	59394	5.297	ng		99
25) Isophorone	7.687	82	103224	5.409	ng		99
26) 2-Nitrophenol	7.769	139	24576	4.939	ng		99
27) 2,4-Dimethylphenol	7.804	122	33358	5.237	ng		97
28) bis(2-Chloroethoxy)met...	7.898	93	64672	5.526	ng		100
29) 2,4-Dichlorophenol	8.010	162	43077	5.472	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	48599	5.545	ng		99
31) Naphthalene	8.175	128	162710	5.717	ng		99
32) Benzoic acid	7.869	122	22671m	4.051	ng		
33) 4-Chloroaniline	8.222	127	54728	5.529	ng		99
34) Hexachlorobutadiene	8.293	225	30821	5.519	ng		99
35) Caprolactam	8.551	113	13807	5.217	ng		98
36) 4-Chloro-3-methylphenol	8.698	107	46450	5.324	ng		97
37) 2-Methylnaphthalene	8.869	142	105353	5.773	ng		97
38) 1-Methylnaphthalene	8.963	142	102975	5.762	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	51260	5.841	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	30173	5.239	ng		98
44) 2,4,5-Trichlorophenol	9.181	196	33434	5.310	ng		96

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

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

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

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

ICAL Form

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

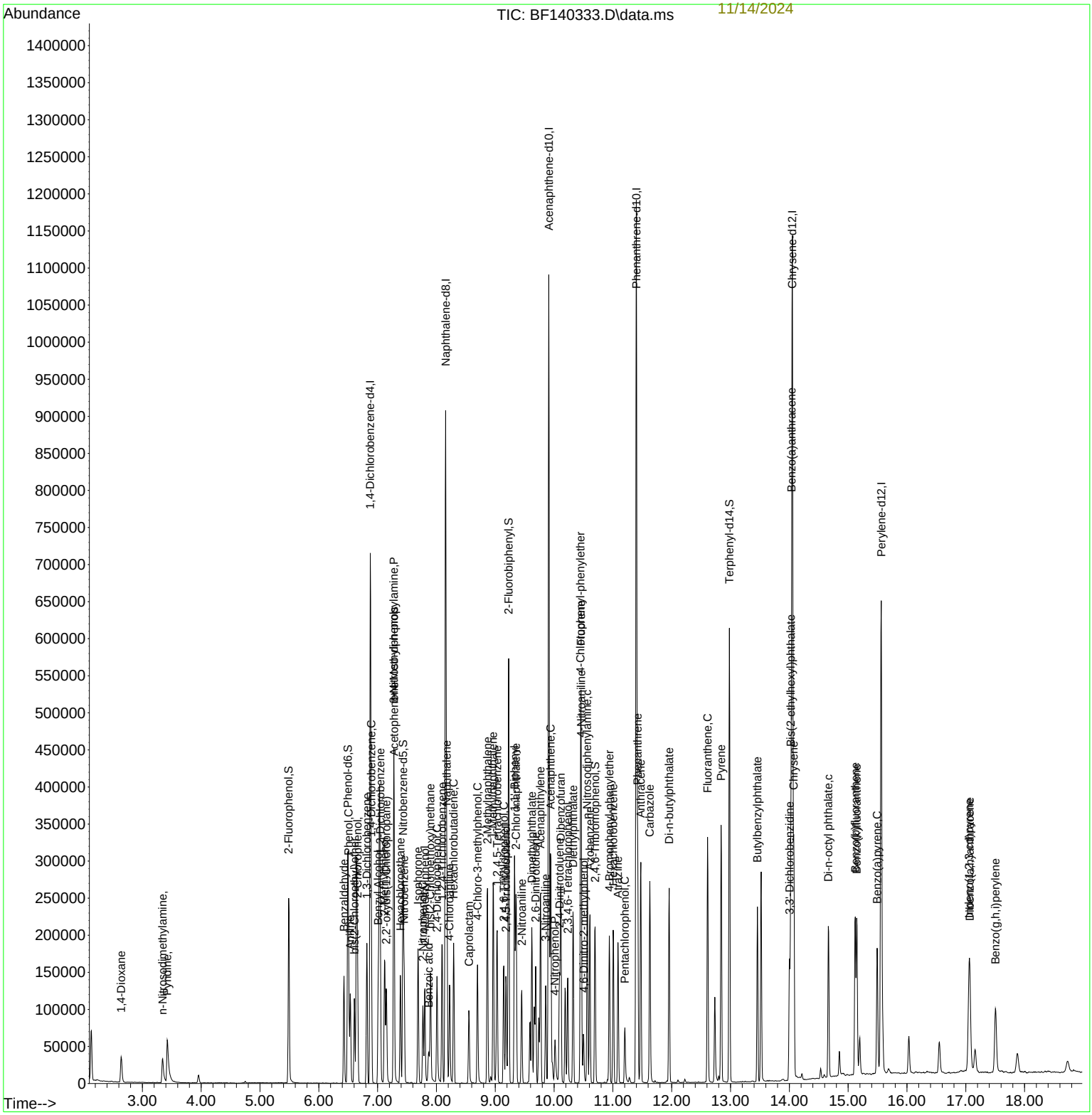
Quant Time: Nov 13 14:22:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 13:11:08 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/14/2024

Supervised By :mohammad ahmed
11/14/2024



Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	151757	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	576727	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	332343	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	625922	20.000	ng		0.00
76) Chrysene-d12	14.051	240	456049	20.000	ng		0.00
86) Perylene-d12	15.562	264	358045	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	190834	21.470	ng		0.00
7) Phenol-d6	6.492	99	256677	21.315	ng		-0.01
23) Nitrobenzene-d5	7.434	82	231031	20.872	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	70040	21.193	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	463950	22.441	ng		0.00
79) Terphenyl-d14	12.980	244	540367	20.567	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	41430	10.458	ng		98
3) Pyridine	3.416	79	101886	10.462	ng		100
4) n-Nitrosodimethylamine	3.346	42	47921	9.736	ng		96
6) Aniline	6.534	93	115851	11.059	ng		99
8) 2-Chlorophenol	6.657	128	102376	10.723	ng		100
9) Benzaldehyde	6.428	77	82498	11.431	ng		99
10) Phenol	6.510	94	136055	10.713	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	98194	10.205	ng		97
12) 1,3-Dichlorobenzene	6.816	146	111939	10.626	ng		99
13) 1,4-Dichlorobenzene	6.892	146	116395	10.897	ng		99
14) 1,2-Dichlorobenzene	7.045	146	108453	10.937	ng		98
15) Benzyl Alcohol	7.010	79	90500	10.431	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	138565	10.425	ng		99
17) 2-Methylphenol	7.122	107	80567	10.258	ng		99
18) Hexachloroethane	7.387	117	41189	10.431	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	76077	10.460	ng		96
20) 3+4-Methylphenols	7.275	107	108265	11.022	ng	#	89
22) Acetophenone	7.281	105	146536	10.925	ng		97
24) Nitrobenzene	7.451	77	121397	10.534	ng		99
25) Isophorone	7.686	82	202309	10.313	ng		98
26) 2-Nitrophenol	7.769	139	51547	10.079	ng		97
27) 2,4-Dimethylphenol	7.804	122	68066	10.396	ng		100
28) bis(2-Chloroethoxy)met...	7.898	93	127440	10.594	ng		99
29) 2,4-Dichlorophenol	8.010	162	85290	10.540	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	95485	10.599	ng		99
31) Naphthalene	8.181	128	318527	10.887	ng		99
32) Benzoic acid	7.875	122	51387m	8.934	ng		
33) 4-Chloroaniline	8.222	127	111264	10.936	ng		99
34) Hexachlorobutadiene	8.292	225	61596	10.731	ng		99
35) Caprolactam	8.563	113	26940	9.902	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	94282	10.514	ng		99
37) 2-Methylnaphthalene	8.869	142	203533	10.850	ng		99
38) 1-Methylnaphthalene	8.969	142	200722	10.926	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	97174	10.573	ng		98
41) Hexachlorocyclopentadiene	9.022	237	18405	7.800	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	62134	10.302	ng		99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

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

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

ICAL Form

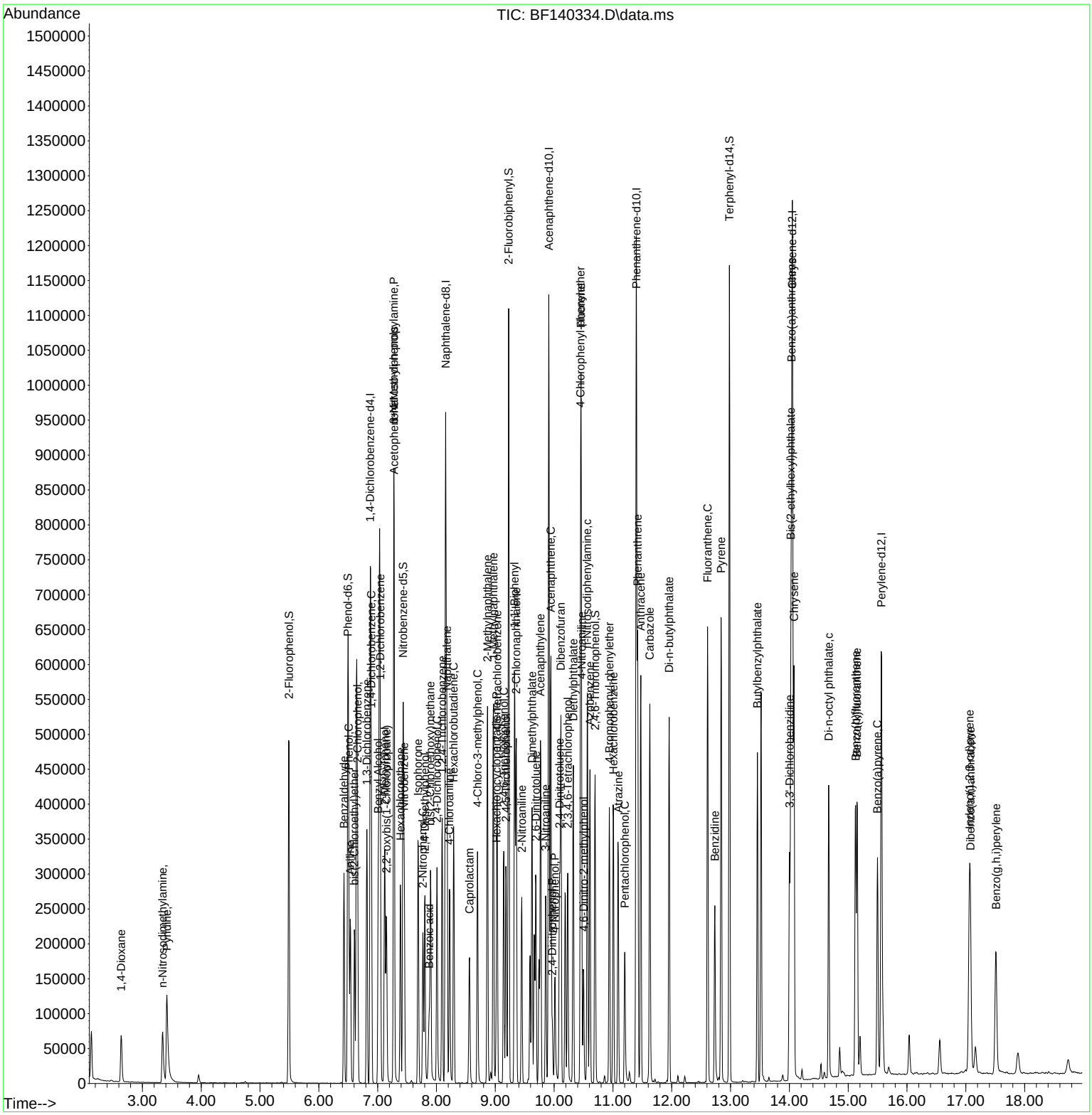
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140334.D
Acq On : 13 Nov 2024 09:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149945	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	574759	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	321015	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	615627	20.000	ng	0.00
76) Chrysene-d12	14.068	240	437725	20.000	ng	0.02
86) Perylene-d12	15.592	264	335998	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	366621	41.746	ng	0.00
7) Phenol-d6	6.498	99	492662	41.406	ng	0.00
23) Nitrobenzene-d5	7.434	82	458389	41.554	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132693	41.567	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	867449	43.439	ng	0.00
79) Terphenyl-d14	12.986	244	969963	38.464	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	79493	20.309	ng	99
3) Pyridine	3.399	79	198352	20.613	ng	98
4) n-Nitrosodimethylamine	3.340	42	97556	20.059	ng	100
6) Aniline	6.540	93	224200	21.661	ng	96
8) 2-Chlorophenol	6.657	128	199701	21.169	ng	100
9) Benzaldehyde	6.428	77	152483	21.383	ng	99
10) Phenol	6.510	94	261330	20.827	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	195860	20.601	ng	100
12) 1,3-Dichlorobenzene	6.816	146	218012	20.945	ng	99
13) 1,4-Dichlorobenzene	6.892	146	222816	21.112	ng	100
14) 1,2-Dichlorobenzene	7.045	146	209619	21.394	ng	99
15) Benzyl Alcohol	7.010	79	179832	20.978	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	272081	20.718	ng	99
17) 2-Methylphenol	7.122	107	160794	20.720	ng	99
18) Hexachloroethane	7.387	117	82445	21.130	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	147880	20.578	ng	99
20) 3+4-Methylphenols	7.275	107	203732	20.992	ng	97
22) Acetophenone	7.281	105	276331	20.672	ng	98
24) Nitrobenzene	7.457	77	233182	20.302	ng	99
25) Isophorone	7.692	82	397520	20.333	ng	100
26) 2-Nitrophenol	7.769	139	104117	20.428	ng	97
27) 2,4-Dimethylphenol	7.804	122	133218	20.416	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	246864	20.593	ng	100
29) 2,4-Dichlorophenol	8.010	162	165159	20.480	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	187022	20.831	ng	98
31) Naphthalene	8.181	128	611395	20.969	ng	100
32) Benzoic acid	7.898	122	103495	18.055	ng	98
33) 4-Chloroaniline	8.222	127	212489	20.956	ng	99
34) Hexachlorobutadiene	8.292	225	120624	21.087	ng	100
35) Caprolactam	8.575	113	54033	19.929	ng	100
36) 4-Chloro-3-methylphenol	8.698	107	183923	20.581	ng	99
37) 2-Methylnaphthalene	8.869	142	392634	21.001	ng	100
38) 1-Methylnaphthalene	8.969	142	386754	21.125	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	187279	21.097	ng	99
41) Hexachlorocyclopentadiene	9.022	237	45811	20.099	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	120063	20.609	ng	100

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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

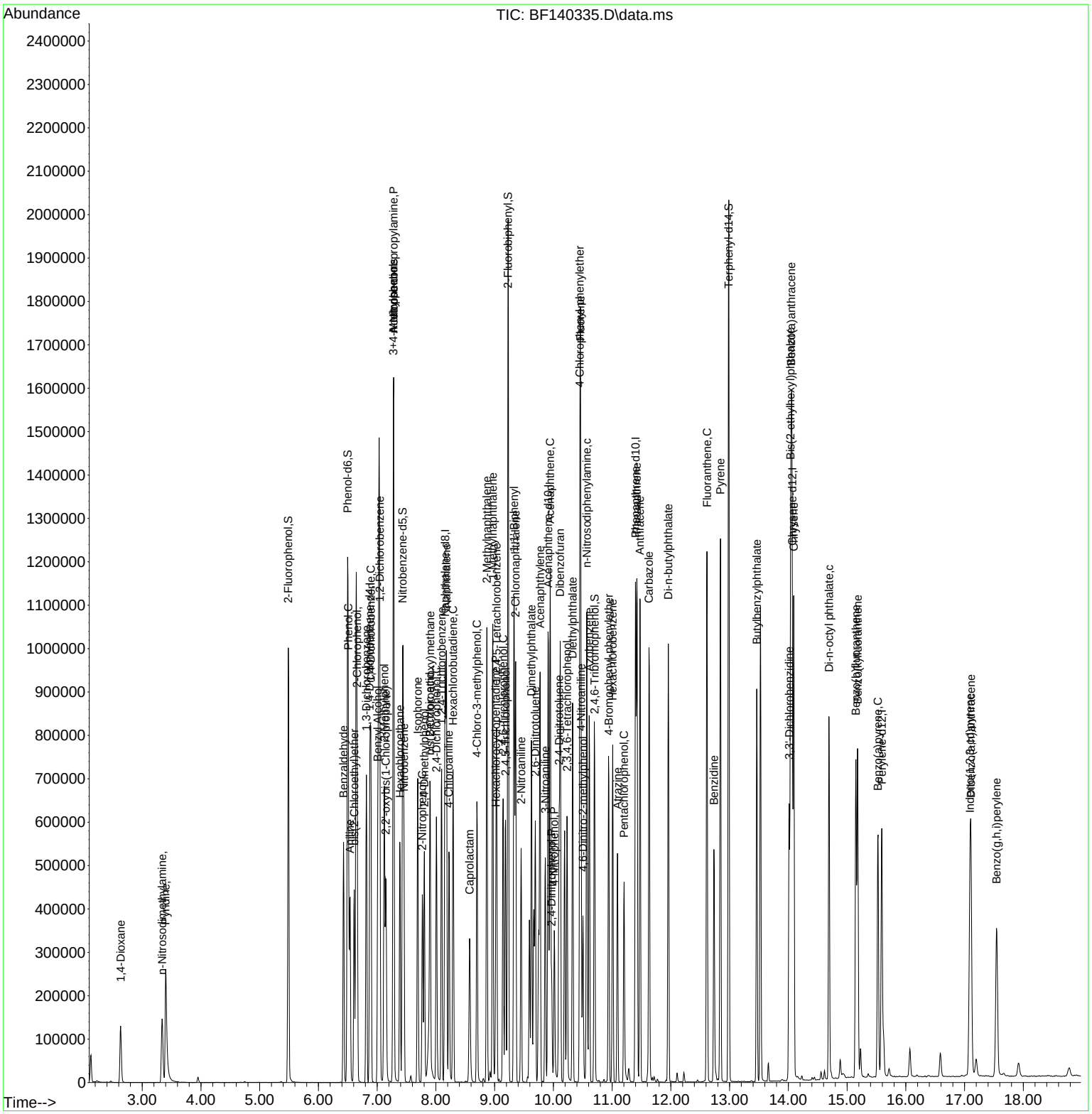
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	173750	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	645813	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	355715	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	673585	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373903	20.000	ng	0.00
86) Perylene-d12	15.563	264	343764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	946604	93.020	ng	0.00
7) Phenol-d6	6.510	99	1288691	93.469	ng	0.00
23) Nitrobenzene-d5	7.445	82	1188653	95.898	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	339834	96.071	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2000974	90.428	ng	0.00
79) Terphenyl-d14	12.992	244	2129859	98.876	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	215224	47.452	ng	99
3) Pyridine	3.410	79	516550	46.326	ng	99
4) n-Nitrosodimethylamine	3.375	42	279565	49.608	ng	97
6) Aniline	6.545	93	550294	45.882	ng	99
8) 2-Chlorophenol	6.669	128	510922	46.739	ng	98
9) Benzaldehyde	6.434	77	359475	43.503	ng	99
10) Phenol	6.528	94	687077	47.255	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	533018	48.382	ng	98
12) 1,3-Dichlorobenzene	6.822	146	560974	46.511	ng	98
13) 1,4-Dichlorobenzene	6.898	146	567404	46.396	ng	99
14) 1,2-Dichlorobenzene	7.051	146	526417	46.367	ng	99
15) Benzyl Alcohol	7.022	79	477924	48.113	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	723520	47.546	ng	98
17) 2-Methylphenol	7.128	107	433403	48.196	ng	99
18) Hexachloroethane	7.392	117	217240	48.050	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	383726	46.082	ng	99
20) 3+4-Methylphenols	7.287	107	521407	46.364	ng	92
22) Acetophenone	7.292	105	700174	46.615	ng	98
24) Nitrobenzene	7.463	77	629010	48.740	ng	99
25) Isophorone	7.698	82	1056536	48.095	ng	100
26) 2-Nitrophenol	7.775	139	282885	49.397	ng	96
27) 2,4-Dimethylphenol	7.810	122	356541	48.629	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	642458	47.695	ng	100
29) 2,4-Dichlorophenol	8.016	162	439530	48.507	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	481552	47.735	ng	99
31) Naphthalene	8.181	128	1534595	46.842	ng	99
32) Benzoic acid	7.945	122	347409	53.939	ng	98
33) 4-Chloroaniline	8.234	127	538110	47.230	ng	99
34) Hexachlorobutadiene	8.298	225	304280	47.340	ng	98
35) Caprolactam	8.610	113	147323	48.359	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	482944	48.095	ng	99
37) 2-Methylnaphthalene	8.869	142	985640	46.920	ng	100
38) 1-Methylnaphthalene	8.969	142	951332	46.247	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	466149	47.389	ng	99
41) Hexachlorocyclopentadiene	9.022	237	138691	54.914	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	320277	49.613	ng	99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

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

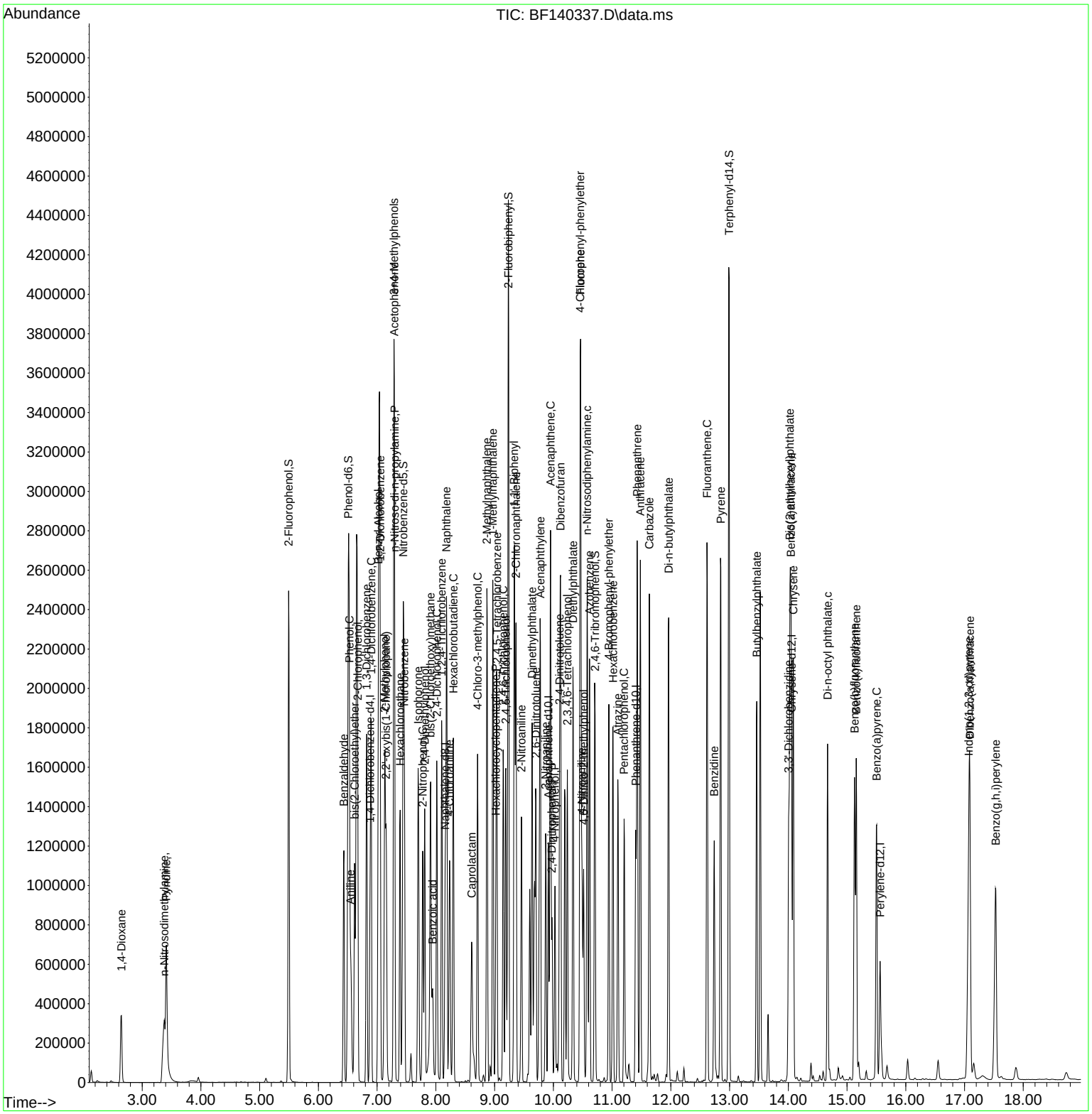
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	169226	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	626974	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	349852	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	653888	20.000	ng		0.00
76) Chrysene-d12	14.057	240	336717	20.000	ng		0.00
86) Perylene-d12	15.568	264	334279	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1135551	114.570	ng		0.00
7) Phenol-d6	6.516	99	1529819	113.924	ng		0.01
23) Nitrobenzene-d5	7.445	82	1426102	118.512	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	397743	114.327	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	2330064	107.065	ng		0.00
79) Terphenyl-d14	12.992	244	2404917	123.975	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	257092	58.199	ng		99
3) Pyridine	3.416	79	627905	57.818	ng		100
4) n-Nitrosodimethylamine	3.387	42	340452	62.027	ng		97
6) Aniline	6.545	93	644899	55.207	ng	#	84
8) 2-Chlorophenol	6.669	128	601333	56.481	ng		99
9) Benzaldehyde	6.434	77	397310	49.367	ng		99
10) Phenol	6.528	94	810917	57.263	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	633964	59.083	ng		98
12) 1,3-Dichlorobenzene	6.822	146	668862	56.939	ng		99
13) 1,4-Dichlorobenzene	6.898	146	673261	56.523	ng		99
14) 1,2-Dichlorobenzene	7.051	146	616097	55.716	ng		98
15) Benzyl Alcohol	7.022	79	562583	58.150	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	855004	57.688	ng		93
17) 2-Methylphenol	7.134	107	515819	58.895	ng		98
18) Hexachloroethane	7.392	117	256957	58.354	ng		98
19) n-Nitroso-di-n-propyla...	7.298	70	459430	56.648	ng		99
20) 3+4-Methylphenols	7.286	107	608092	55.518	ng		99
22) Acetophenone	7.292	105	829586	56.891	ng	#	98
24) Nitrobenzene	7.469	77	740612	59.113	ng		99
25) Isophorone	7.704	82	1261423	59.147	ng		100
26) 2-Nitrophenol	7.781	139	339960	61.146	ng		99
27) 2,4-Dimethylphenol	7.810	122	426510	59.920	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	760029	58.119	ng		99
29) 2,4-Dichlorophenol	8.022	162	511715	58.170	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	566322	57.824	ng		100
31) Naphthalene	8.186	128	1796725	56.491	ng		99
32) Benzoic acid	7.957	122	425502	68.049	ng		97
33) 4-Chloroaniline	8.239	127	639243	57.793	ng		100
34) Hexachlorobutadiene	8.298	225	358172	57.398	ng		100
35) Caprolactam	8.622	113	178777	60.447	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	571401	58.614	ng		100
37) 2-Methylnaphthalene	8.875	142	1141963	55.995	ng		100
38) 1-Methylnaphthalene	8.975	142	1113216	55.742	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	542595	56.085	ng		100
41) Hexachlorocyclopentadiene	9.022	237	166455	67.012	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	369027	58.123	ng		100

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

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

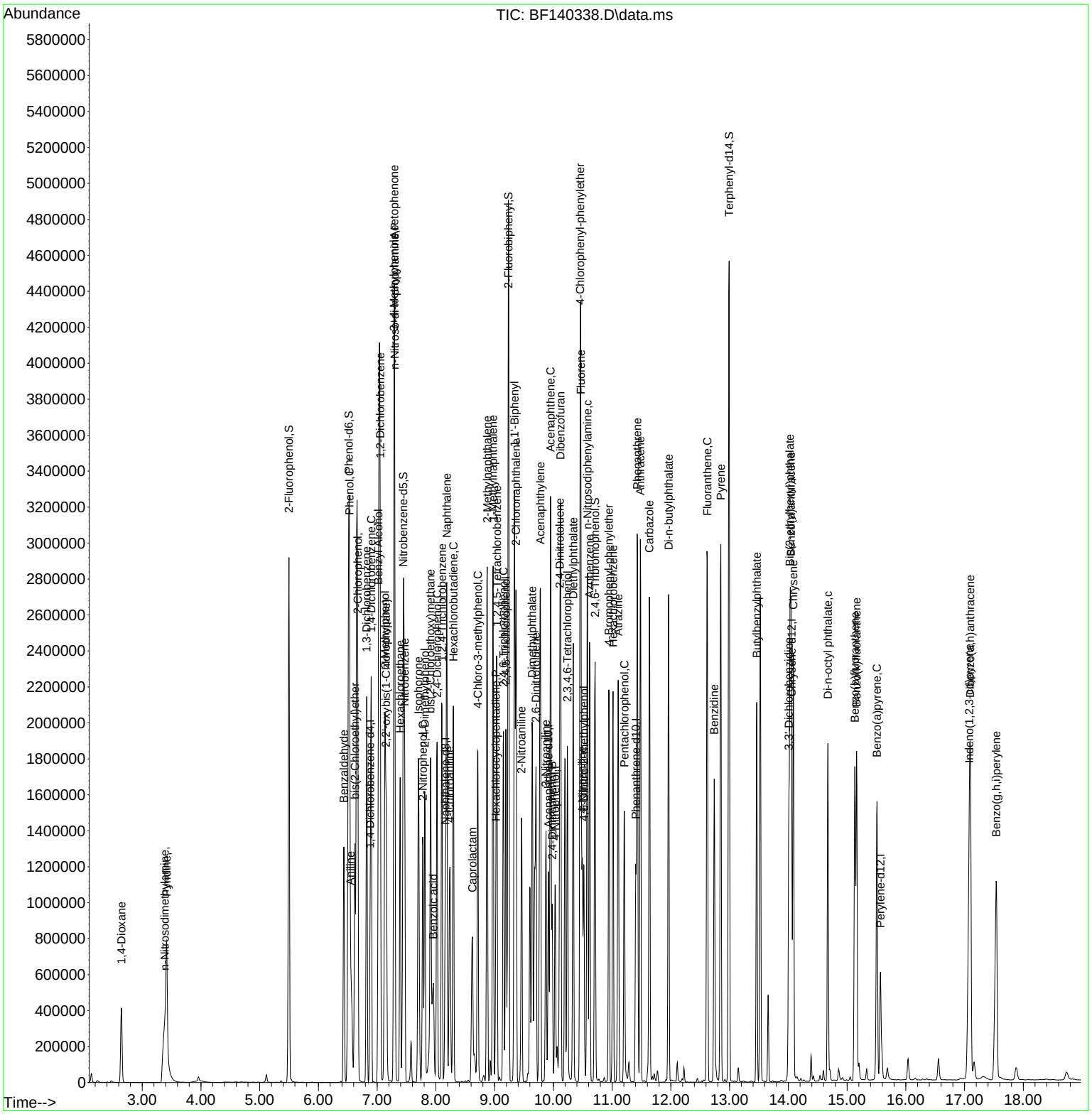
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	160348	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	586224	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	324351	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	591968	20.000	ng		0.00
76) Chrysene-d12	14.057	240	305715	20.000	ng		0.00
86) Perylene-d12	15.562	264	310894	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1324090	140.989	ng		0.00
7) Phenol-d6	6.522	99	1804257	141.801	ng		0.02
23) Nitrobenzene-d5	7.451	82	1661144	147.640	ng		0.01
42) 2,4,6-Tribromophenol	10.710	330	471699	146.244	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	2675376	132.597	ng		0.00
79) Terphenyl-d14	12.992	244	2674139	151.833	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.651	88	307882	73.555	ng		100
3) Pyridine	3.422	79	735683	71.493	ng		99
4) n-Nitrosodimethylamine	3.398	42	402441	77.381	ng		99
6) Aniline	6.551	93	684015	61.797	ng	#	84
8) 2-Chlorophenol	6.675	128	709152	70.295	ng		99
10) Phenol	6.534	94	947993	70.649	ng		92
11) bis(2-Chloroethyl)ether	6.622	93	756191	74.376	ng		99
12) 1,3-Dichlorobenzene	6.822	146	783204	70.364	ng		98
13) 1,4-Dichlorobenzene	6.898	146	783319	69.404	ng		99
14) 1,2-Dichlorobenzene	7.057	146	710399	67.802	ng		99
15) Benzyl Alcohol	7.028	79	654439	71.389	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	993408	70.738	ng		96
17) 2-Methylphenol	7.133	107	604396	72.829	ng		98
18) Hexachloroethane	7.392	117	300328	71.979	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	543998	70.790	ng		100
20) 3+4-Methylphenols	7.292	107	699451	67.394	ng		96
22) Acetophenone	7.298	105	963095	70.637	ng		99
24) Nitrobenzene	7.469	77	870976	74.350	ng		99
25) Isophorone	7.704	82	1487295	74.586	ng		100
26) 2-Nitrophenol	7.781	139	401982	77.328	ng		99
27) 2,4-Dimethylphenol	7.816	122	500708	75.234	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	887655	72.597	ng		100
29) 2,4-Dichlorophenol	8.022	162	597530	72.647	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	663478	72.454	ng		99
31) Naphthalene	8.186	128	2076967	69.842	ng		99
32) Benzoic acid	7.969	122	529009	90.483	ng		96
33) 4-Chloroaniline	8.245	127	729859	70.572	ng		99
34) Hexachlorobutadiene	8.298	225	417242	71.513	ng		100
35) Caprolactam	8.627	113	208353m	75.344	ng		
36) 4-Chloro-3-methylphenol	8.716	107	672162	73.742	ng		100
37) 2-Methylnaphthalene	8.875	142	1323889	69.428	ng		100
38) 1-Methylnaphthalene	8.975	142	1289276	69.046	ng		99
40) 1,2,4,5-Tetrachloroben...	9.039	216	629856	70.223	ng		100
41) Hexachlorocyclopentadiene	9.022	237	187869	81.579	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	442116	75.110	ng		99
44) 2,4,5-Trichlorophenol	9.198	196	468390	72.781	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

Manual Integrations APPROVED

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

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

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

ICAL Form

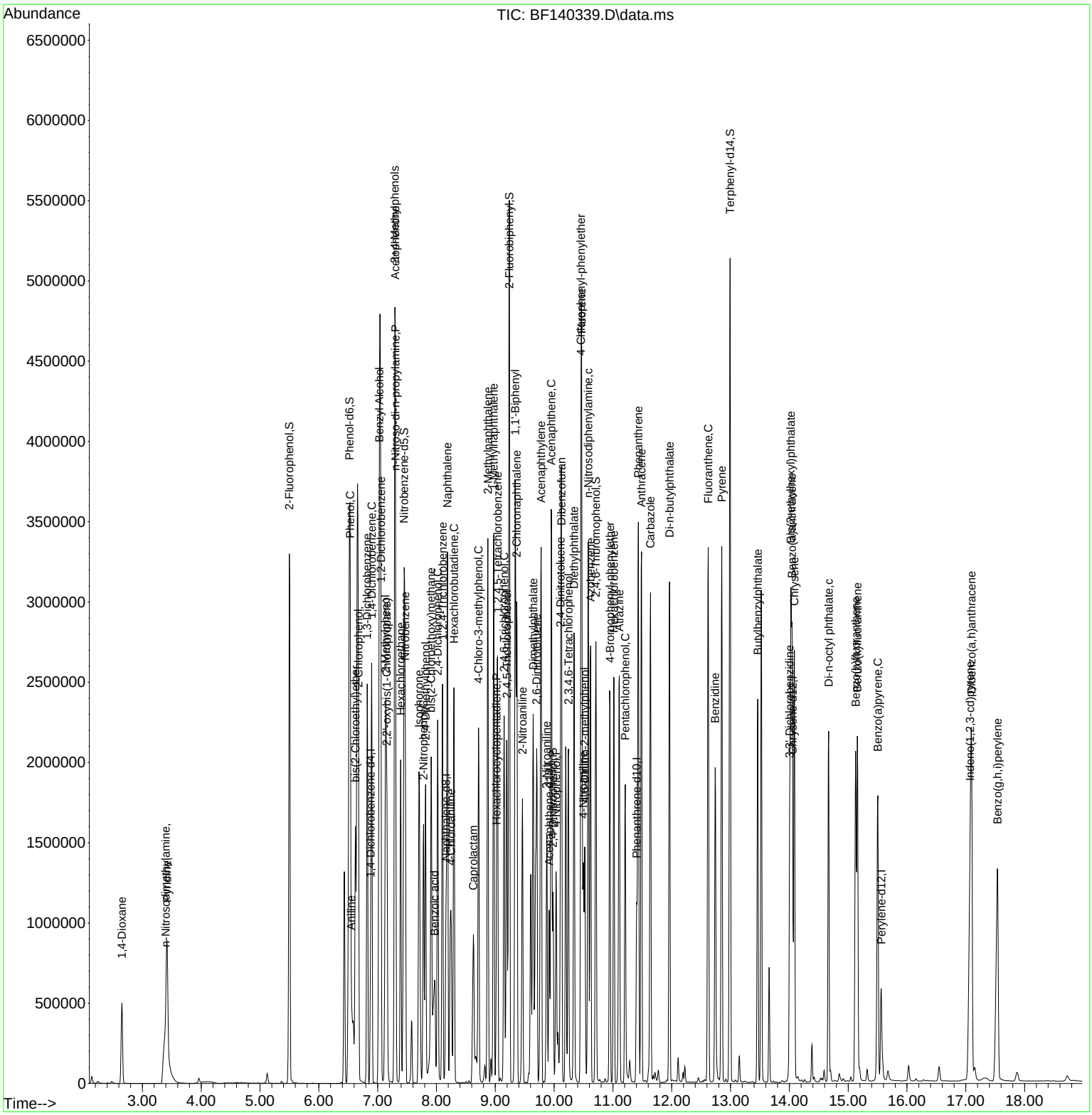
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140339.D
Acq On : 13 Nov 2024 12:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147186	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	589077	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	334544	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	628587	20.000	ng	0.00
76) Chrysene-d12	14.063	240	385940	20.000	ng	0.01
86) Perylene-d12	15.580	264	322417	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	677089	78.544	ng	0.00
7) Phenol-d6	6.504	99	945074	80.918	ng	0.00
23) Nitrobenzene-d5	7.440	82	884247	78.210	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	257655	77.449	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568502	75.369	ng	0.00
79) Terphenyl-d14	12.986	244	1733989	77.987	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	151541	39.442	ng	99
3) Pyridine	3.399	79	387454	41.019	ng	99
4) n-Nitrosodimethylamine	3.352	42	193917	40.620	ng	97
6) Aniline	6.540	93	427252	42.052	ng	100
8) 2-Chlorophenol	6.663	128	371904	40.162	ng	100
9) Benzaldehyde	6.428	77	262348	37.479	ng	99
10) Phenol	6.516	94	507443	41.199	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	371673	39.825	ng	99
12) 1,3-Dichlorobenzene	6.816	146	404387	39.579	ng	99
13) 1,4-Dichlorobenzene	6.893	146	409423	39.520	ng	99
14) 1,2-Dichlorobenzene	7.051	146	380948	39.610	ng	100
15) Benzyl Alcohol	7.016	79	356418	42.357	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	534596	41.471	ng	99
17) 2-Methylphenol	7.128	107	313127	41.105	ng	99
18) Hexachloroethane	7.387	117	151355	39.519	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	288974	40.966	ng	98
20) 3+4-Methylphenols	7.281	107	397692	41.745	ng	96
22) Acetophenone	7.287	105	529699	38.662	ng	98
24) Nitrobenzene	7.457	77	462701	39.307	ng	99
25) Isophorone	7.698	82	793806	39.616	ng	99
26) 2-Nitrophenol	7.775	139	210859	40.366	ng	99
27) 2,4-Dimethylphenol	7.804	122	262308	39.222	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	479505	39.027	ng	100
29) 2,4-Dichlorophenol	8.016	162	323936	39.193	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	355366	38.619	ng	100
31) Naphthalene	8.181	128	1157149	38.723	ng	100
32) Benzoic acid	7.928	122	249383	42.449	ng	96
33) 4-Chloroaniline	8.228	127	400271	38.516	ng	100
34) Hexachlorobutadiene	8.292	225	227805	38.855	ng	99
35) Caprolactam	8.598	113	108216	38.943	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	364230	39.766	ng	99
37) 2-Methylnaphthalene	8.869	142	744201	38.839	ng	99
38) 1-Methylnaphthalene	8.969	142	736798	39.267	ng	99
40) 1,2,4,5-Tetrachloroben...	9.034	216	354978	38.371	ng	99
41) Hexachlorocyclopentadiene	9.022	237	93127	39.207	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	240824	39.666	ng	99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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

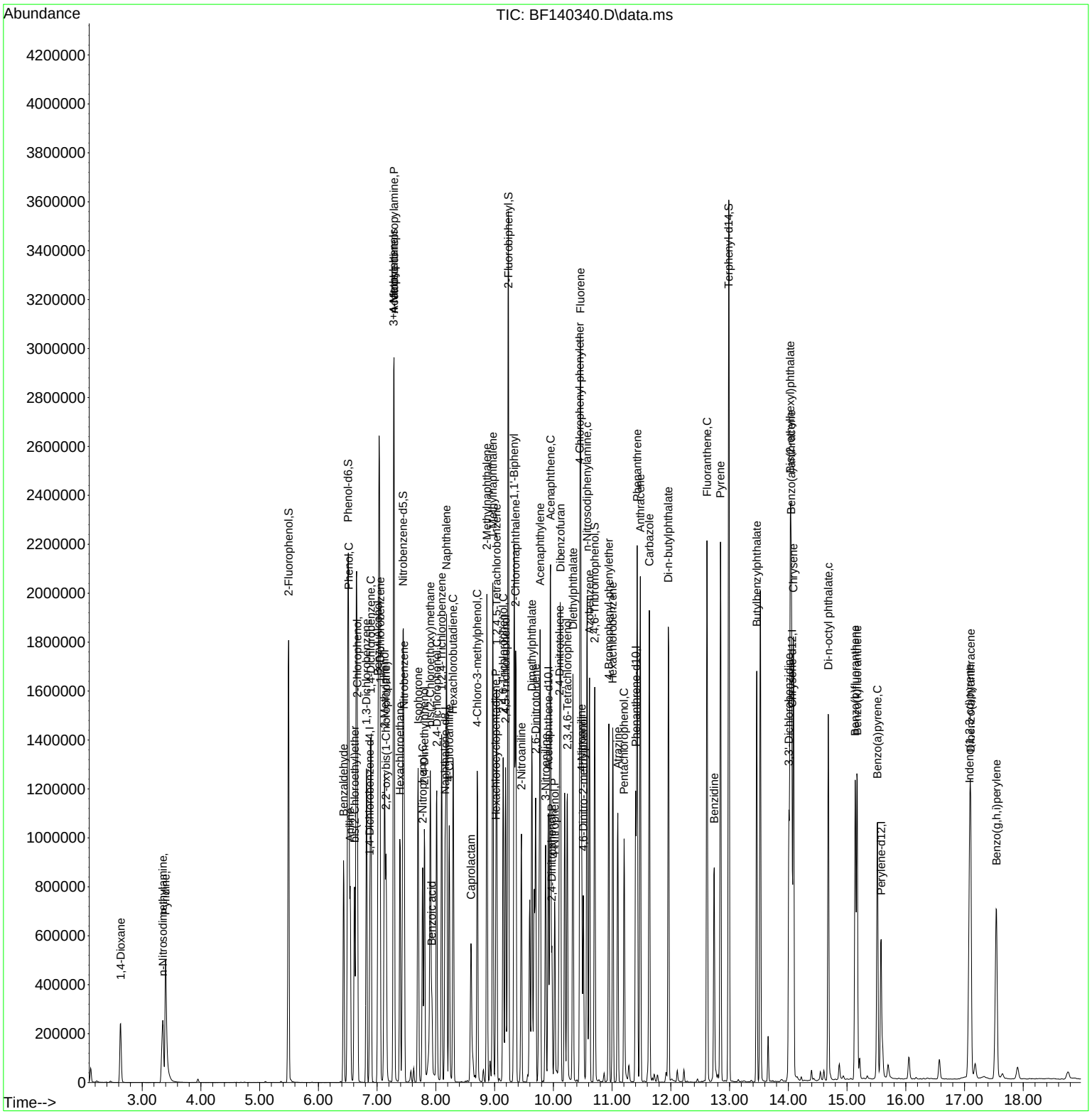
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	149980	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	587913	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	333123	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	631059	20.000	ng	0.00
76) Chrysene-d12	14.063	240	366437	20.000	ng	0.01
86) Perylene-d12	15.574	264	319261	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	684092	77.878	ng	0.00
7) Phenol-d6	6.504	99	943149	79.248	ng	0.00
23) Nitrobenzene-d5	7.440	82	885901	78.511	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	260432	78.617	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	1568824	75.707	ng	0.00
79) Terphenyl-d14	12.986	244	1705668	80.797	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	155026	39.597	ng	99
3) Pyridine	3.405	79	391304	40.655	ng	99
4) n-Nitrosodimethylamine	3.357	42	194133	39.908	ng	98
6) Aniline	6.540	93	429973	41.531	ng	99
8) 2-Chlorophenol	6.663	128	373546	39.588	ng	100
9) Benzaldehyde	6.428	77	266318	37.337	ng	99
10) Phenol	6.516	94	505284	40.259	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	374368	39.367	ng	99
12) 1,3-Dichlorobenzene	6.816	146	407569	39.148	ng	99
13) 1,4-Dichlorobenzene	6.898	146	410968	38.930	ng	100
14) 1,2-Dichlorobenzene	7.051	146	381749	38.953	ng	100
15) Benzyl Alcohol	7.016	79	356665	41.596	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	529417	40.304	ng	100
17) 2-Methylphenol	7.128	107	312261	40.228	ng	99
18) Hexachloroethane	7.387	117	152783	39.149	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	288082	40.079	ng	99
20) 3+4-Methylphenols	7.281	107	398279	41.028	ng	99
22) Acetophenone	7.287	105	530294	38.782	ng	99
24) Nitrobenzene	7.463	77	461518	39.284	ng	99
25) Isophorone	7.698	82	791096	39.558	ng	100
26) 2-Nitrophenol	7.775	139	212967	40.850	ng	100
27) 2,4-Dimethylphenol	7.804	122	270554	40.536	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	481393	39.258	ng	99
29) 2,4-Dichlorophenol	8.016	162	326198	39.545	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	356725	38.843	ng	99
31) Naphthalene	8.181	128	1159811	38.889	ng	100
32) Benzoic acid	7.928	122	250402	42.635	ng	97
33) 4-Chloroaniline	8.228	127	404464	38.996	ng	99
34) Hexachlorobutadiene	8.298	225	227054	38.804	ng	99
35) Caprolactam	8.598	113	110611	40.345	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	368906	40.356	ng	100
37) 2-Methylnaphthalene	8.869	142	747189	39.072	ng	100
38) 1-Methylnaphthalene	8.969	142	729079	38.933	ng	100
40) 1,2,4,5-Tetrachloroben...	9.034	216	356102	38.657	ng	100
41) Hexachlorocyclopentadiene	9.022	237	90509	38.267	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	240423	39.769	ng	100

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

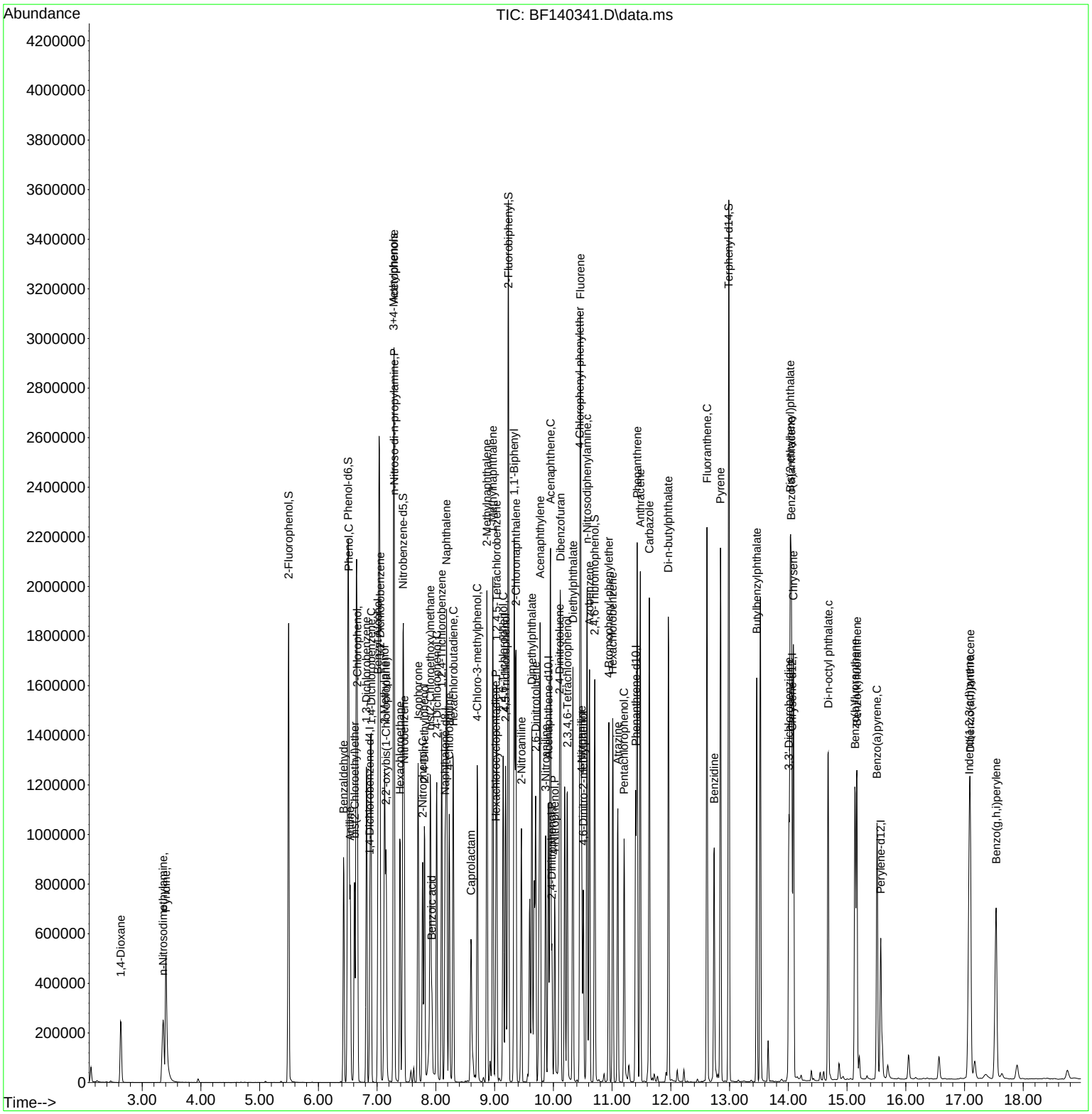
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
2		1,4-Dioxane	0.522	0.517	1.0	102	0.00
3		Pyridine	1.283	1.305	-1.7	101	0.00
4		n-Nitrosodimethylamine	0.649	0.647	0.3	100	0.00
5	S	2-Fluorophenol	1.171	1.140	2.6	101	0.00
6		Aniline	1.381	1.433	-3.8	101	0.00
7	S	Phenol-d6	1.587	1.572	0.9	100	0.00
8		2-Chlorophenol	1.258	1.245	1.0	100	0.00
9		Benzaldehyde	0.951	0.888	6.6	102	0.00
10	C	Phenol	1.674	1.685	-0.7	100	0.00
11		bis(2-Chloroethyl)ether	1.268	1.248	1.6	101	0.00
12		1,3-Dichlorobenzene	1.388	1.359	2.1	101	0.00
13	C	1,4-Dichlorobenzene	1.408	1.370	2.7	100	0.00
14		1,2-Dichlorobenzene	1.307	1.273	2.6	100	0.00
15		Benzyl Alcohol	1.143	1.189	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.765	-0.7	99	0.00
17		2-Methylphenol	1.035	1.041	-0.6	100	0.00
18		Hexachloroethane	0.520	0.509	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.960	-0.1	100	0.00
20		3+4-Methylphenols	1.294	1.328	-2.6	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
22		Acetophenone	0.465	0.451	3.0	100	0.00
23	S	Nitrobenzene-d5	0.384	0.377	1.8	100	0.00
24		Nitrobenzene	0.400	0.393	1.8	100	0.00
25		Isophorone	0.680	0.673	1.0	100	0.00
26	C	2-Nitrophenol	0.177	0.181	-2.3	101	0.00
27		2,4-Dimethylphenol	0.227	0.230	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.409	1.9	100	0.00
29	C	2,4-Dichlorophenol	0.281	0.277	1.4	101	0.00
30		1,2,4-Trichlorobenzene	0.312	0.303	2.9	100	0.00
31		Naphthalene	1.015	0.986	2.9	100	0.00
32		Benzoic acid	0.200	0.213	-6.5	100	0.00
33		4-Chloroaniline	0.353	0.344	2.5	101	0.00
34	C	Hexachlorobutadiene	0.199	0.193	3.0	100	0.00
35		Caprolactam	0.093	0.094	-1.1	102	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.314	-1.0	101	0.00
37		2-Methylnaphthalene	0.651	0.635	2.5	100	0.00
38		1-Methylnaphthalene	0.637	0.620	2.7	99	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.534	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.136	4.2	97	0.00
42	S	2,4,6-Tribromophenol	0.199	0.195	2.0	101	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.361	0.6	100	0.00
44		2,4,5-Trichlorophenol	0.397	0.382	3.8	98	0.00
45	S	2-Fluorobiphenyl	1.244	1.177	5.4	100	0.00
46		1,1'-Biphenyl	1.455	1.421	2.3	101	0.00
47		2-Chloronaphthalene	1.108	1.068	3.6	100	0.00

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.366	0.5	100	0.00
49		Acenaphthylene	1.677	1.633	2.6	99	0.00
50		Dimethylphthalate	1.304	1.269	2.7	100	0.00
51		2,6-Dinitrotoluene	0.297	0.297	0.0	99	0.00
52	C	Acenaphthene	1.133	1.108	2.2	101	0.00
53		3-Nitroaniline	0.312	0.311	0.3	100	0.00
54	P	2,4-Dinitrophenol	0.153	0.154	-0.7	104	0.00
55		Dibenzofuran	1.603	1.575	1.7	101	0.00
56	P	4-Nitrophenol	0.228	0.238	-4.4	100	0.00
57		2,4-Dinitrotoluene	0.391	0.394	-0.8	101	0.00
58		Fluorene	1.267	1.218	3.9	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.310	1.0	97	0.00
60		Diethylphthalate	1.333	1.298	2.6	100	0.00
61		4-Chlorophenyl-phenylether	0.625	0.601	3.8	99	0.00
62		4-Nitroaniline	0.319	0.316	0.9	98	0.00
63		Azobenzene	1.317	1.306	0.8	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.111	-2.8	102	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.562	2.8	101	0.00
67		4-Bromophenyl-phenylether	0.200	0.195	2.5	101	0.00
68		Hexachlorobenzene	0.225	0.220	2.2	101	0.00
69		Atrazine	0.175	0.143	18.3	99	0.00
70	C	Pentachlorophenol	0.121	0.126	-4.1	100	0.00
71		Phenanthrene	0.940	0.893	5.0	99	0.00
72		Anthracene	0.921	0.883	4.1	100	0.00
73		Carbazole	0.909	0.879	3.3	101	0.00
74		Di-n-butylphthalate	1.091	1.075	1.5	100	0.00
75	C	Fluoranthene	1.054	1.007	4.5	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.01
77		Benzidine	0.768	0.746	2.9	108	0.00
78		Pyrene	1.711	1.739	-1.6	98	0.00
79	S	Terphenyl-d14	1.152	1.164	-1.0	98	0.00
80		Butylbenzylphthalate	0.657	0.699	-6.4	96	0.00
81		Benzo(a)anthracene	1.314	1.292	1.7	97	0.01
82		3,3'-Dichlorobenzidine	0.418	0.416	0.5	98	0.01
83		Chrysene	1.199	1.186	1.1	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.877	0.926	-5.6	95	0.01
85	c	Di-n-octyl phthalate	1.235	1.249	-1.1	92	0.02
86	I	Perylene-d12	1.000	1.000	0.0	99	0.02
87		Indeno(1,2,3-cd)pyrene	1.235	1.278	-3.5	101	0.02
88		Benzo(b)fluoranthene	1.308	1.215	7.1	95	0.02
89		Benzo(k)fluoranthene	1.069	1.085	-1.5	101	0.02
90	C	Benzo(a)pyrene	1.016	0.999	1.7	98	0.02
91		Dibenzo(a,h)anthracene	1.021	1.069	-4.7	102	0.02
92		Benzo(g,h,i)perylene	1.044	1.061	-1.6	99	0.02

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	102	0.00
2		1,4-Dioxane	40.000	39.597	1.0	102	0.00
3		Pyridine	40.000	40.655	-1.6	101	0.00
4		n-Nitrosodimethylamine	40.000	39.908	0.2	100	0.00
5	S	2-Fluorophenol	80.000	77.878	2.7	101	0.00
6		Aniline	40.000	41.531	-3.8	101	0.00
7	S	Phenol-d6	80.000	79.248	0.9	100	0.00
8		2-Chlorophenol	40.000	39.588	1.0	100	0.00
9		Benzaldehyde	40.000	37.337	6.7	102	0.00
10	C	Phenol	40.000	40.259	-0.6	100	0.00
11		bis(2-Chloroethyl)ether	40.000	39.367	1.6	101	0.00
12		1,3-Dichlorobenzene	40.000	39.148	2.1	101	0.00
13	C	1,4-Dichlorobenzene	40.000	38.930	2.7	100	0.00
14		1,2-Dichlorobenzene	40.000	38.953	2.6	100	0.00
15		Benzyl Alcohol	40.000	41.596	-4.0	100	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.304	-0.8	99	0.00
17		2-Methylphenol	40.000	40.228	-0.6	100	0.00
18		Hexachloroethane	40.000	39.149	2.1	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.079	-0.2	100	0.00
20		3+4-Methylphenols	40.000	41.028	-2.6	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	0.00
22		Acetophenone	40.000	38.782	3.0	100	0.00
23	S	Nitrobenzene-d5	80.000	78.511	1.9	100	0.00
24		Nitrobenzene	40.000	39.284	1.8	100	0.00
25		Isophorone	40.000	39.558	1.1	100	0.00
26	C	2-Nitrophenol	40.000	40.850	-2.1	101	0.00
27		2,4-Dimethylphenol	40.000	40.536	-1.3	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.258	1.9	100	0.00
29	C	2,4-Dichlorophenol	40.000	39.545	1.1	101	0.00
30		1,2,4-Trichlorobenzene	40.000	38.843	2.9	100	0.00
31		Naphthalene	40.000	38.889	2.8	100	0.00
32		Benzoic acid	40.000	42.635	-6.6	100	0.00
33		4-Chloroaniline	40.000	38.996	2.5	101	0.00
34	C	Hexachlorobutadiene	40.000	38.804	3.0	100	0.00
35		Caprolactam	40.000	40.345	-0.9	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.356	-0.9	101	0.00
37		2-Methylnaphthalene	40.000	39.072	2.3	100	0.00
38		1-Methylnaphthalene	40.000	38.933	2.7	99	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.657	3.4	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.267	4.3	97	0.00
42	S	2,4,6-Tribromophenol	80.000	78.617	1.7	101	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.769	0.6	100	0.00
44		2,4,5-Trichlorophenol	40.000	38.542	3.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	75.707	5.4	100	0.00
46		1,1'-Biphenyl	40.000	39.068	2.3	101	0.00
47		2-Chloronaphthalene	40.000	38.543	3.6	100	0.00

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF111324

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

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

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

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

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

LAB FILE ID: RRF2.5 = BF140528.D RRF005 = BF140529.D RRF010 = BF140530.D
RRF020 = BF140531.D RRF040 = BF140532.D RRF050 = BF140533.D

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

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

LAB FILE ID: RRF2.5 = BF140528.D RRF005 = BF140529.D RRF010 = BF140530.D
RRF020 = BF140531.D RRF040 = BF140532.D RRF050 = BF140533.D

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

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01

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

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

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

LAB FILE ID: RRF2.5 = BF140528.D RRF005 = BF140529.D RRF010 = BF140530.D
RRF020 = BF140531.D RRF040 = BF140532.D RRF050 = BF140533.D

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

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

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

Calibration Files
2.5 =BF140528.D 5 =BF140529.D 10 =BF140530.D 20 =BF140531.D 40 =BF140532.D 50 =BF140533.D 60 =BF140534.D 80 =BF1405
35.D

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

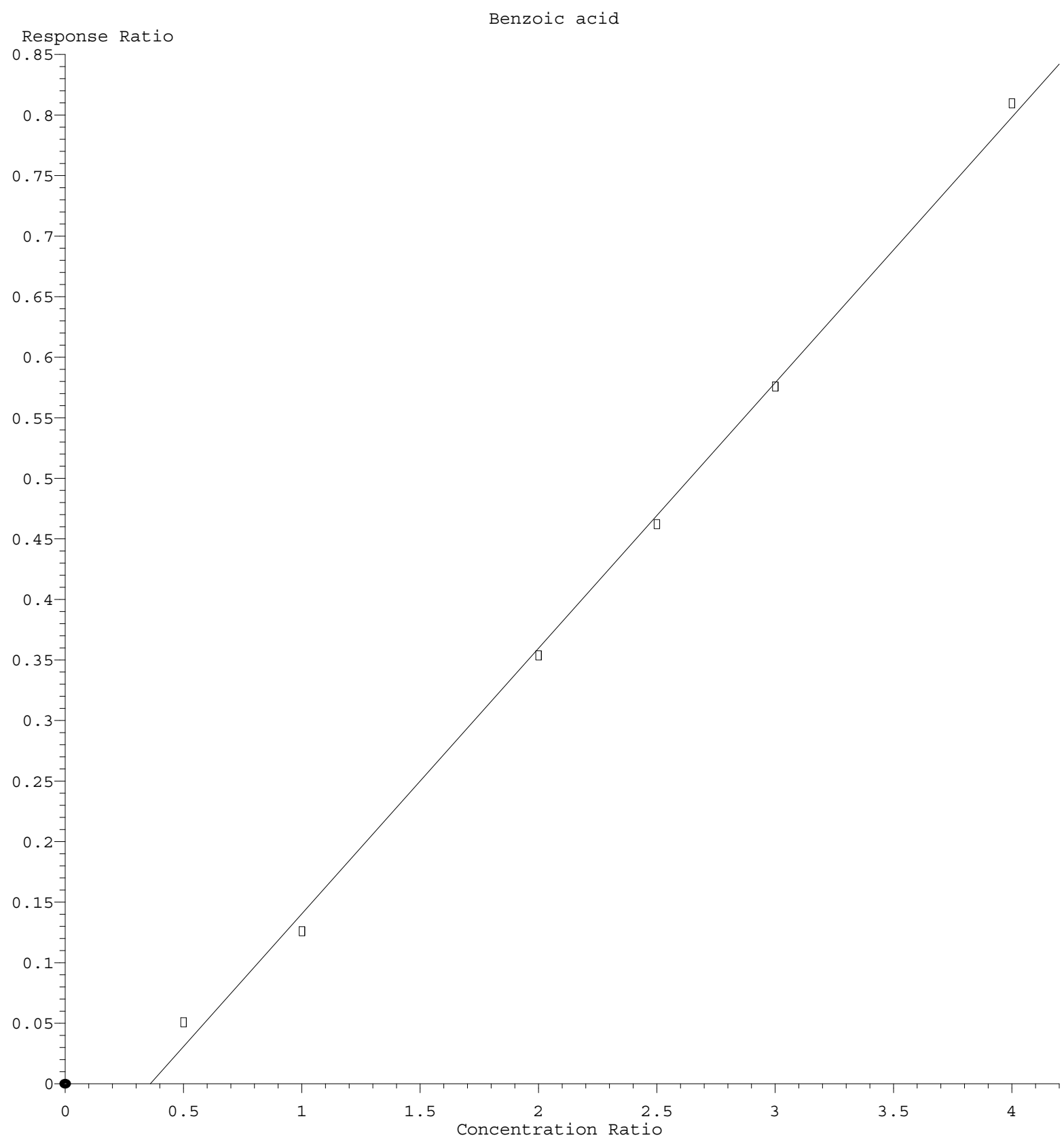
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

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

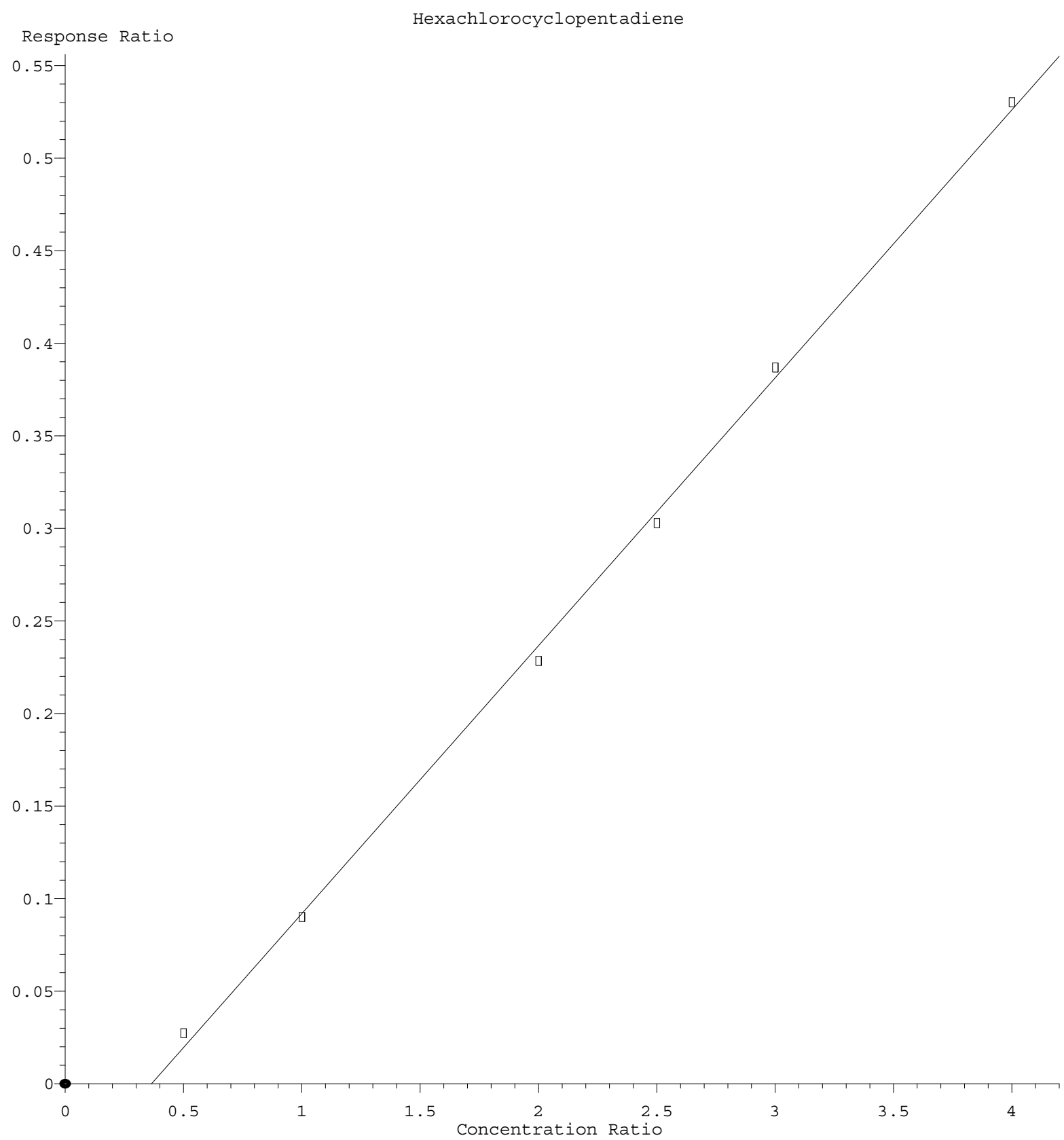
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF112124.M

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

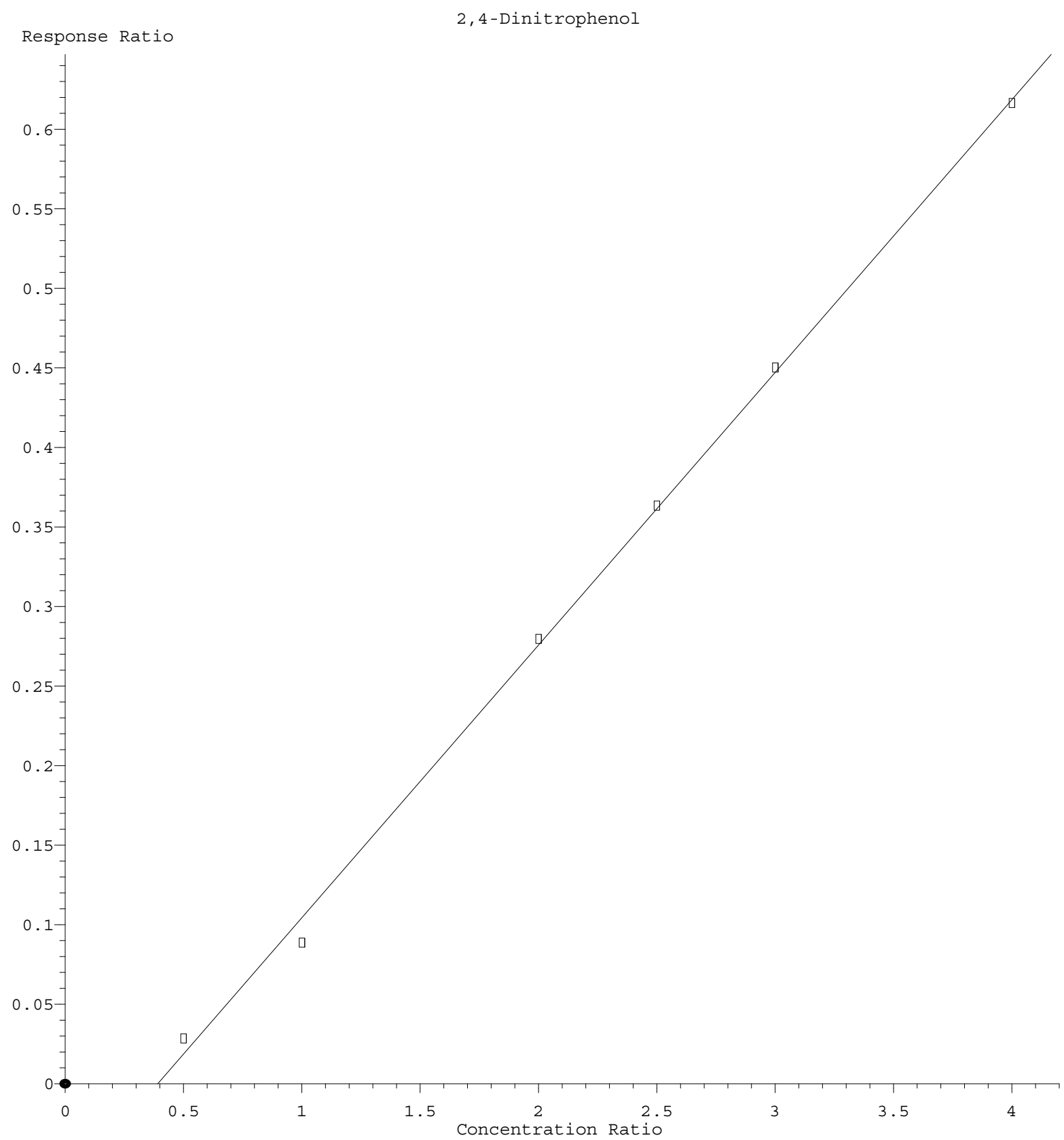
(#) = Out of Range



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



Response = 1.448e-001 * Amt - 5.280e-002
Coef of Det (r^2) = 0.998763 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
Calibration Table Last Updated: Thu Nov 21 15:23:48 2024



Response = 1.715e-001 * Amt - 6.708e-002
Coef of Det (r^2) = 0.998475 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF112124.M
Calibration Table Last Updated: Thu Nov 21 15:23:48 2024

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

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

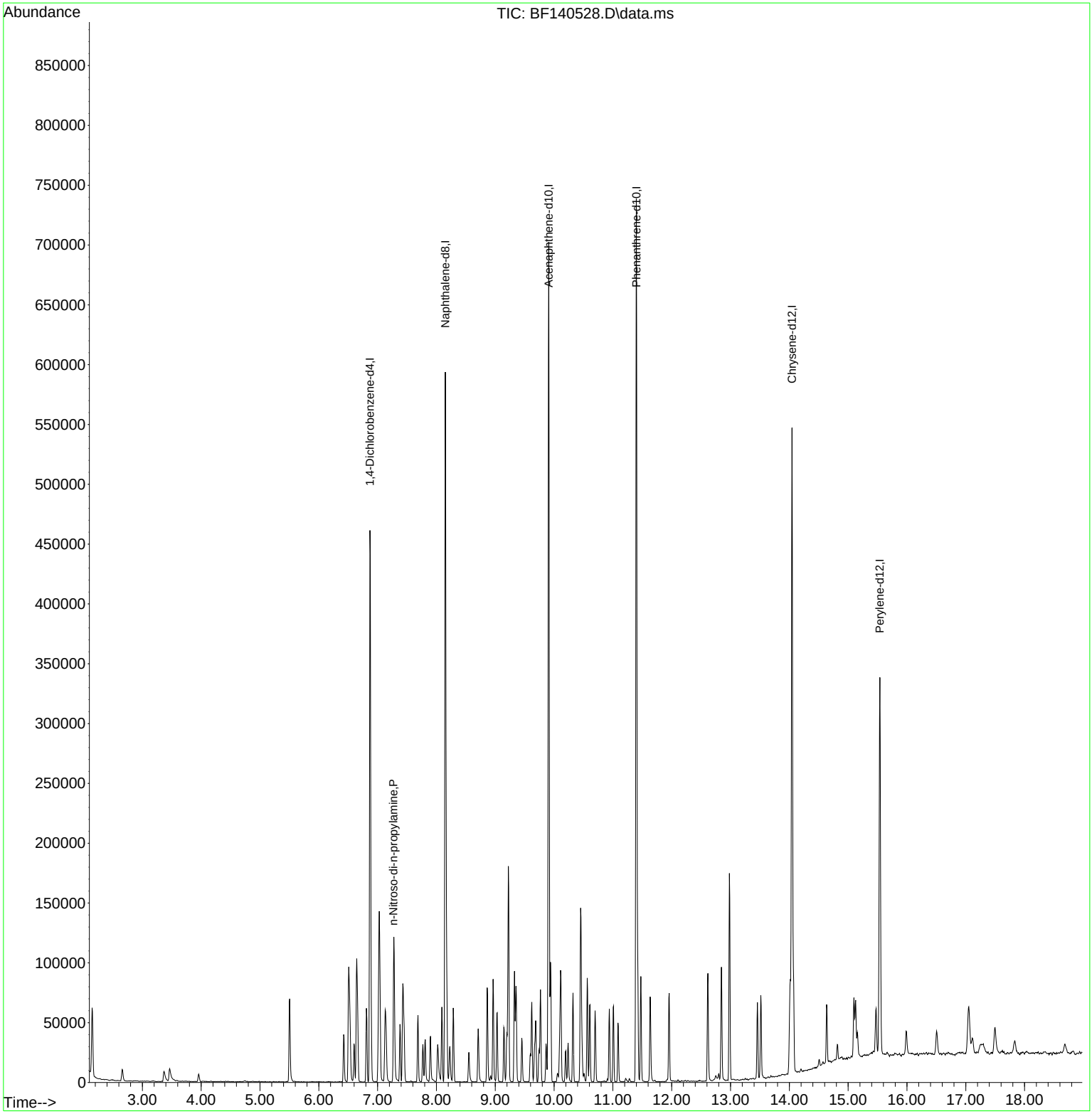
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	104134	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	395935	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	219293	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	428851	20.000	ng		0.00
76) Chrysene-d12	14.045	240	270381	20.000	ng		0.00
86) Perylene-d12	15.533	264	205006	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	65659	10.758	ng		0.00
7) Phenol-d6	6.504	99	90026	11.158	ng		-0.01
23) Nitrobenzene-d5	7.428	82	80941	10.457	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	24342	10.379	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	170000	11.550	ng		-0.01
79) Terphenyl-d14	12.980	244	182707	10.522	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	13033	5.079	ng		99
3) Pyridine	3.440	79	25544	4.524	ng		98
4) n-Nitrosodimethylamine	3.358	42	16043	4.835	ng	#	98
6) Aniline	6.534	93	30162	5.311	ng	#	85
8) 2-Chlorophenol	6.657	128	36046	5.490	ng		99
10) Phenol	6.522	94	44852	5.443	ng		94
11) bis(2-Chloroethyl)ether	6.604	93	33630	5.333	ng		99
12) 1,3-Dichlorobenzene	6.810	146	41643	5.644	ng		97
13) 1,4-Dichlorobenzene	6.887	146	42002	5.622	ng		98
14) 1,2-Dichlorobenzene	7.040	146	39138	5.591	ng		97
15) Benzyl Alcohol	7.010	79	32114	5.367	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	42946	5.765	ng		79
17) 2-Methylphenol	7.128	107	29188	5.553	ng		96
18) Hexachloroethane	7.381	117	15560	5.577	ng		97
19) n-Nitroso-di-n-propyla...	7.275	70	26085	5.470	ng		99
20) 3+4-Methylphenols	7.281	107	38915	5.760	ng		97
22) Acetophenone	7.275	105	53017	5.492	ng		95
24) Nitrobenzene	7.451	77	43460	5.432	ng		99
25) Isophorone	7.687	82	68701	5.321	ng		100
26) 2-Nitrophenol	7.769	139	17600	4.964	ng		100
27) 2,4-Dimethylphenol	7.804	122	21843	5.149	ng		97
28) bis(2-Chloroethoxy)met...	7.898	93	42337	5.383	ng		99
29) 2,4-Dichlorophenol	8.022	162	29819	5.305	ng		95
30) 1,2,4-Trichlorobenzene	8.092	180	33886	5.280	ng		99
31) Naphthalene	8.175	128	110501	5.418	ng		99
33) 4-Chloroaniline	8.228	127	30440	4.985	ng		97
34) Hexachlorobutadiene	8.287	225	22446	5.280	ng		99
35) Caprolactam	8.557	113	8985	5.165	ng		99
36) 4-Chloro-3-methylphenol	8.710	107	34404	5.467	ng		99
37) 2-Methylnaphthalene	8.863	142	71706	5.536	ng		100
38) 1-Methylnaphthalene	8.963	142	69955	5.510	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	34836	5.426	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	21046	5.224	ng		99
44) 2,4,5-Trichlorophenol	9.192	196	22061	5.046	ng		99
46) 1,1'-Biphenyl	9.328	154	91336	5.579	ng		99
47) 2-Chloronaphthalene	9.351	162	68559	5.526	ng		99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

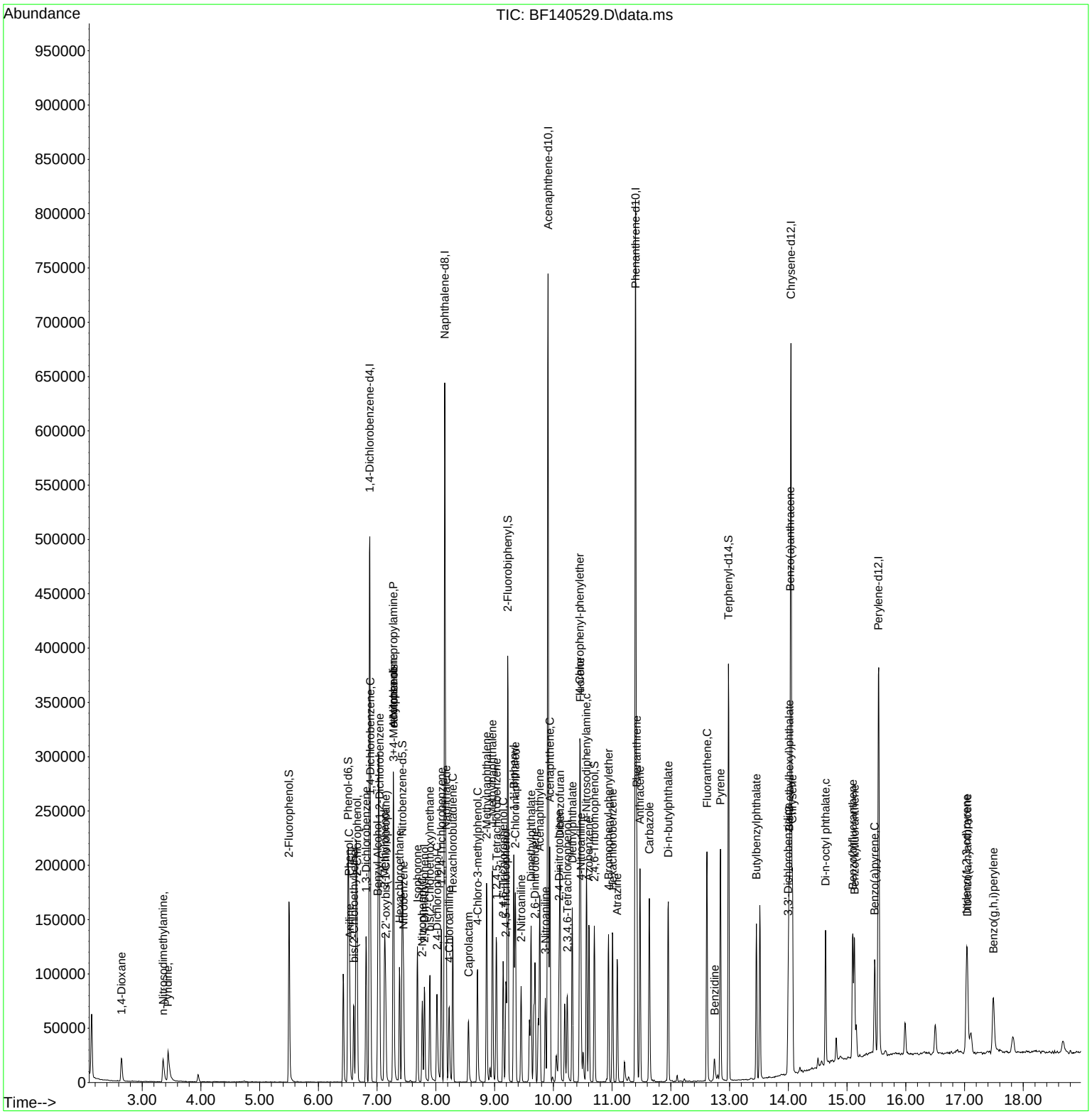
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 2-Nitroaniline	9.451	65	20109	5.050	ng		99
49) Acenaphthylene	9.769	152	103605	5.527	ng		99
50) Dimethylphthalate	9.622	163	79770	5.523	ng		98
51) 2,6-Dinitrotoluene	9.687	165	17217	5.256	ng		99
52) Acenaphthene	9.939	154	64777	5.337	ng		97
53) 3-Nitroaniline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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	101758	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	377828	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	213774	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	399362	20.000	ng		0.00
76) Chrysene-d12	14.045	240	256196	20.000	ng		0.00
86) Perylene-d12	15.533	264	194024	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	125454	21.035	ng		0.00
7) Phenol-d6	6.504	99	164515	20.866	ng		-0.01
23) Nitrobenzene-d5	7.428	82	152410	20.633	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	44626	19.519	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	299817	20.896	ng		0.00
79) Terphenyl-d14	12.980	244	321362	19.532	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	25524	10.179	ng		99
3) Pyridine	3.428	79	51851	9.398	ng		96
4) n-Nitrosodimethylamine	3.357	42	31093	9.589	ng		99
6) Aniline	6.534	93	60808	10.957	ng	#	79
8) 2-Chlorophenol	6.657	128	67572	10.531	ng		98
9) Benzaldehyde	6.422	77	51225	12.273	ng		99
10) Phenol	6.522	94	83830	10.411	ng		94
11) bis(2-Chloroethyl)ether	6.604	93	63186	10.255	ng		99
12) 1,3-Dichlorobenzene	6.810	146	75941	10.533	ng		99
13) 1,4-Dichlorobenzene	6.887	146	76389	10.464	ng		99
14) 1,2-Dichlorobenzene	7.040	146	72962	10.666	ng		100
15) Benzyl Alcohol	7.010	79	59748	10.218	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	75295	10.344	ng		79
17) 2-Methylphenol	7.128	107	52599	10.241	ng		94
18) Hexachloroethane	7.381	117	27715	10.165	ng		98
19) n-Nitroso-di-n-propyla...	7.275	70	48309	10.367	ng		98
20) 3+4-Methylphenols	7.281	107	69290	10.496	ng		98
22) Acetophenone	7.275	105	96618	10.489	ng		97
24) Nitrobenzene	7.451	77	77259	10.120	ng		99
25) Isophorone	7.687	82	123528	10.026	ng		99
26) 2-Nitrophenol	7.769	139	32564	9.625	ng		98
27) 2,4-Dimethylphenol	7.804	122	40421	9.986	ng		99
28) bis(2-Chloroethoxy)met...	7.898	93	77116	10.274	ng		99
29) 2,4-Dichlorophenol	8.016	162	55037	10.261	ng		99
30) 1,2,4-Trichlorobenzene	8.092	180	63769	10.413	ng		98
31) Naphthalene	8.175	128	203054	10.434	ng		99
32) Benzoic acid	7.887	122	19174m	11.820	ng		
33) 4-Chloroaniline	8.222	127	60102	10.315	ng		99
34) Hexachlorobutadiene	8.287	225	42479	10.472	ng		98
35) Caprolactam	8.563	113	17126	10.317	ng		96
36) 4-Chloro-3-methylphenol	8.704	107	60104	10.008	ng		99
37) 2-Methylnaphthalene	8.863	142	128393	10.387	ng		100
38) 1-Methylnaphthalene	8.963	142	125672	10.372	ng		99
40) 1,2,4,5-Tetrachloroben...	9.034	216	64508	10.308	ng		99
41) Hexachlorocyclopentadiene	9.016	237	5836	11.063	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	38279	9.748	ng		99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

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

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

ICAL Form

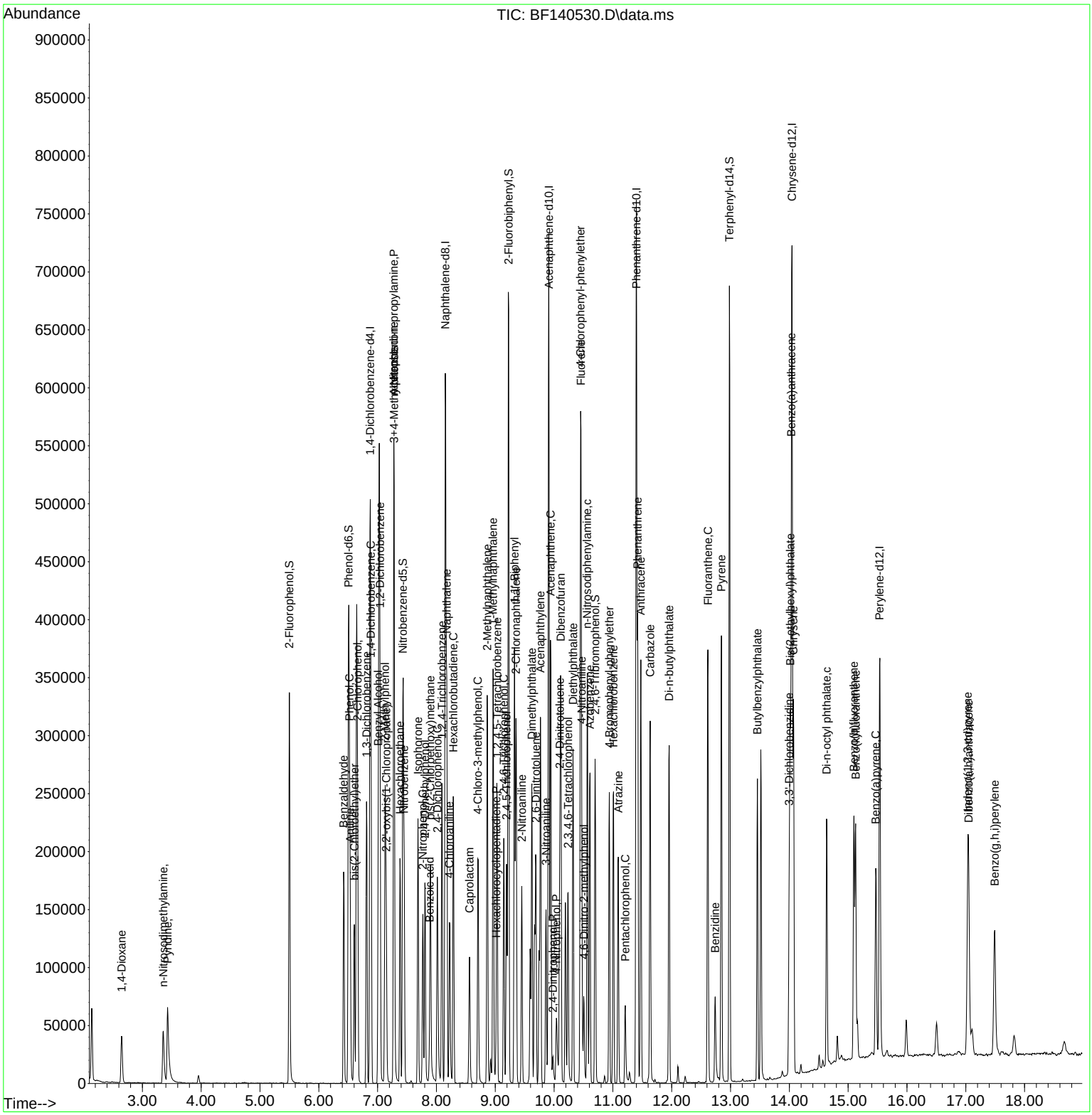
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140530.D
Acq On : 21 Nov 2024 12:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	99570	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	364692	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	198805	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	382041	20.000	ng	0.00
76) Chrysene-d12	14.051	240	225903	20.000	ng	0.00
86) Perylene-d12	15.533	264	173612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	239365	41.017	ng	0.00
7) Phenol-d6	6.510	99	310375	40.230	ng	0.00
23) Nitrobenzene-d5	7.434	82	288201	40.422	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	87426	41.118	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	565607	42.389	ng	0.00
79) Terphenyl-d14	12.986	244	590771	40.721	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	57318	23.361	ng	98
3) Pyridine	3.422	79	111651	20.682	ng	98
4) n-Nitrosodimethylamine	3.357	42	65851	20.754	ng	95
6) Aniline	6.534	93	112828	20.778	ng	88
8) 2-Chlorophenol	6.663	128	127220	20.263	ng	96
9) Benzaldehyde	6.422	77	96584	23.648	ng	97
10) Phenol	6.522	94	161262	20.467	ng	94
11) bis(2-Chloroethyl)ether	6.604	93	120837	20.042	ng	100
12) 1,3-Dichlorobenzene	6.816	146	142704	20.228	ng	99
13) 1,4-Dichlorobenzene	6.893	146	144955	20.293	ng	100
14) 1,2-Dichlorobenzene	7.045	146	136939	20.459	ng	99
15) Benzyl Alcohol	7.010	79	115602	20.205	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.146	45	142742	20.040	ng	81
17) 2-Methylphenol	7.128	107	102895	20.473	ng	94
18) Hexachloroethane	7.381	117	54624	20.475	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	91173	19.996	ng	97
20) 3+4-Methylphenols	7.281	107	129954	20.117	ng	94
22) Acetophenone	7.281	105	180222	20.270	ng	100
24) Nitrobenzene	7.451	77	148986	20.218	ng	100
25) Isophorone	7.687	82	239713	20.158	ng	98
26) 2-Nitrophenol	7.769	139	67593	20.699	ng	100
27) 2,4-Dimethylphenol	7.804	122	77504	19.836	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	146899	20.277	ng	100
29) 2,4-Dichlorophenol	8.016	162	105906	20.456	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	120949	20.461	ng	100
31) Naphthalene	8.175	128	387236	20.614	ng	99
32) Benzoic acid	7.904	122	45935	18.678	ng	99
33) 4-Chloroaniline	8.222	127	112719	20.042	ng	100
34) Hexachlorobutadiene	8.287	225	79980	20.427	ng	99
35) Caprolactam	8.581	113	33020	20.609	ng	94
36) 4-Chloro-3-methylphenol	8.710	107	115782	19.974	ng	98
37) 2-Methylnaphthalene	8.863	142	243949	20.446	ng	99
38) 1-Methylnaphthalene	8.963	142	240502	20.564	ng	98
40) 1,2,4,5-Tetrachloroben...	9.034	216	120444	20.695	ng	100
41) Hexachlorocyclopentadiene	9.016	237	17909	19.734	ng	98
43) 2,4,6-Trichlorophenol	9.145	196	74538	20.410	ng	100

ICAL Form

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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

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

ICAL Form

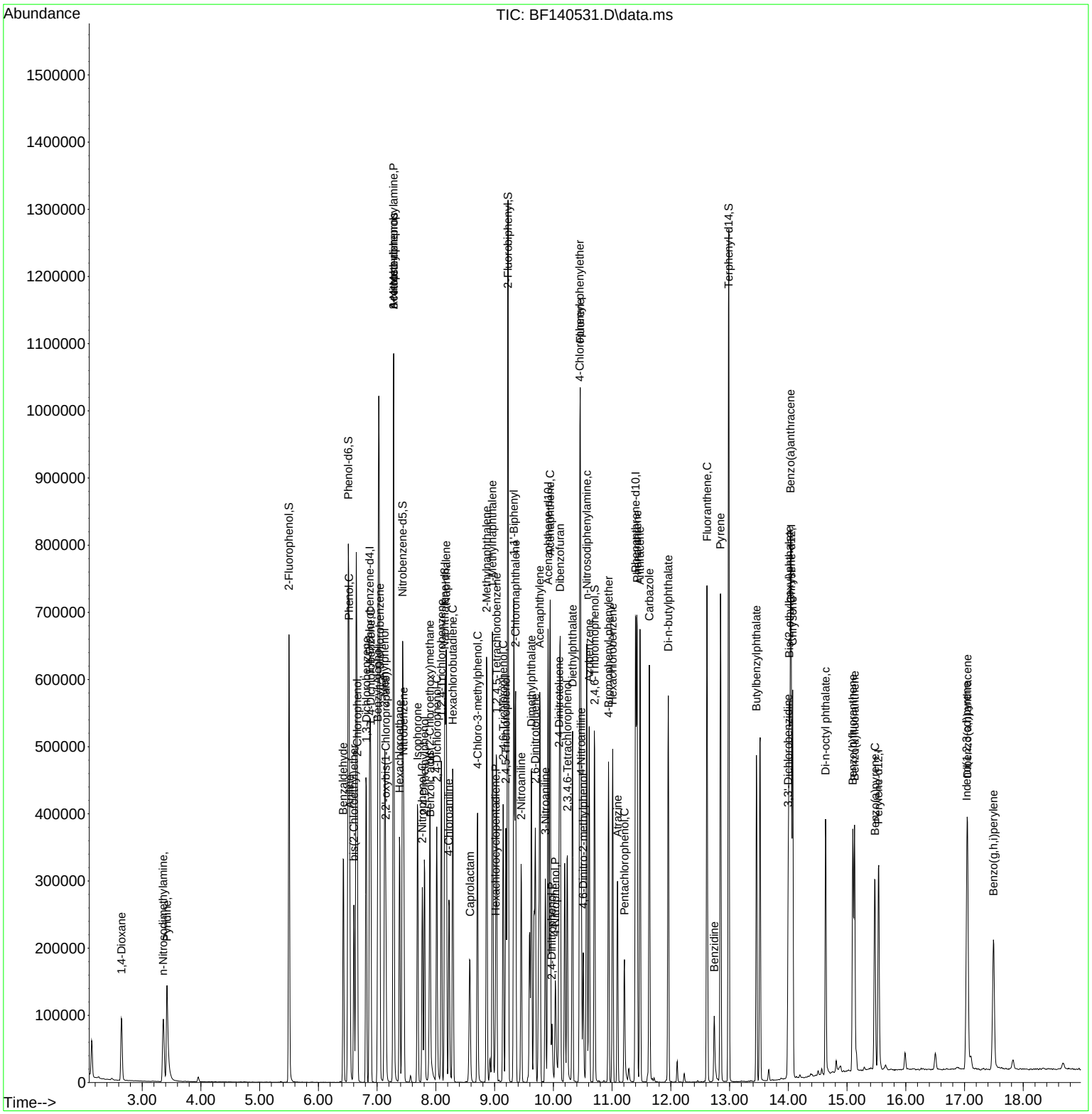
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140531.D
Acq On : 21 Nov 2024 12:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	107516	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	413408	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	234407	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	437466	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239343	20.000	ng	0.00
86) Perylene-d12	15.539	264	211422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	504816	80.111	ng	0.00
7) Phenol-d6	6.516	99	688812	82.684	ng	0.00
23) Nitrobenzene-d5	7.439	82	648845	80.281	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	202517	80.781	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1210929	76.969	ng	0.00
79) Terphenyl-d14	12.992	244	1228064	79.896	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	105183	39.700	ng	100
3) Pyridine	3.422	79	256255	43.959	ng	100
4) n-Nitrosodimethylamine	3.381	42	139435	40.698	ng	100
6) Aniline	6.540	93	268994	45.875	ng	100
8) 2-Chlorophenol	6.663	128	275937	40.702	ng	100
9) Benzaldehyde	6.428	77	158653	35.975	ng	100
10) Phenol	6.528	94	358490	42.137	ng	100
11) bis(2-Chloroethyl)ether	6.610	93	267847	41.142	ng	100
12) 1,3-Dichlorobenzene	6.816	146	300744	39.480	ng	100
13) 1,4-Dichlorobenzene	6.892	146	307112	39.817	ng	100
14) 1,2-Dichlorobenzene	7.045	146	291347	40.311	ng	100
15) Benzyl Alcohol	7.016	79	263144	42.594	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314582	40.901	ng	100
17) 2-Methylphenol	7.134	107	223977	41.272	ng	100
18) Hexachloroethane	7.387	117	115481	40.087	ng	100
19) n-Nitroso-di-n-propyla...	7.287	70	203356	41.304	ng	100
20) 3+4-Methylphenols	7.287	107	289597	41.517	ng	100
22) Acetophenone	7.287	105	397747	39.464	ng	100
24) Nitrobenzene	7.457	77	331927	39.736	ng	100
25) Isophorone	7.698	82	546985	40.576	ng	100
26) 2-Nitrophenol	7.775	139	149133	40.287	ng	100
27) 2,4-Dimethylphenol	7.810	122	185514	41.885	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	328053	39.946	ng	100
29) 2,4-Dichlorophenol	8.016	162	233140	39.725	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	261862	39.078	ng	100
31) Naphthalene	8.181	128	837233	39.318	ng	100
32) Benzoic acid	7.939	122	146245	39.450	ng	100
33) 4-Chloroaniline	8.228	127	268662	42.139	ng	100
34) Hexachlorobutadiene	8.292	225	175198	39.473	ng	100
35) Caprolactam	8.604	113	74771	41.168	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	270395	41.150	ng	100
37) 2-Methylnaphthalene	8.869	142	537039	39.707	ng	100
38) 1-Methylnaphthalene	8.969	142	527387	39.781	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	263939	38.462	ng	100
41) Hexachlorocyclopentadiene	9.016	237	53531	38.833	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	171374	39.799	ng	100

ICAL Form

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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

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

ICAL Form

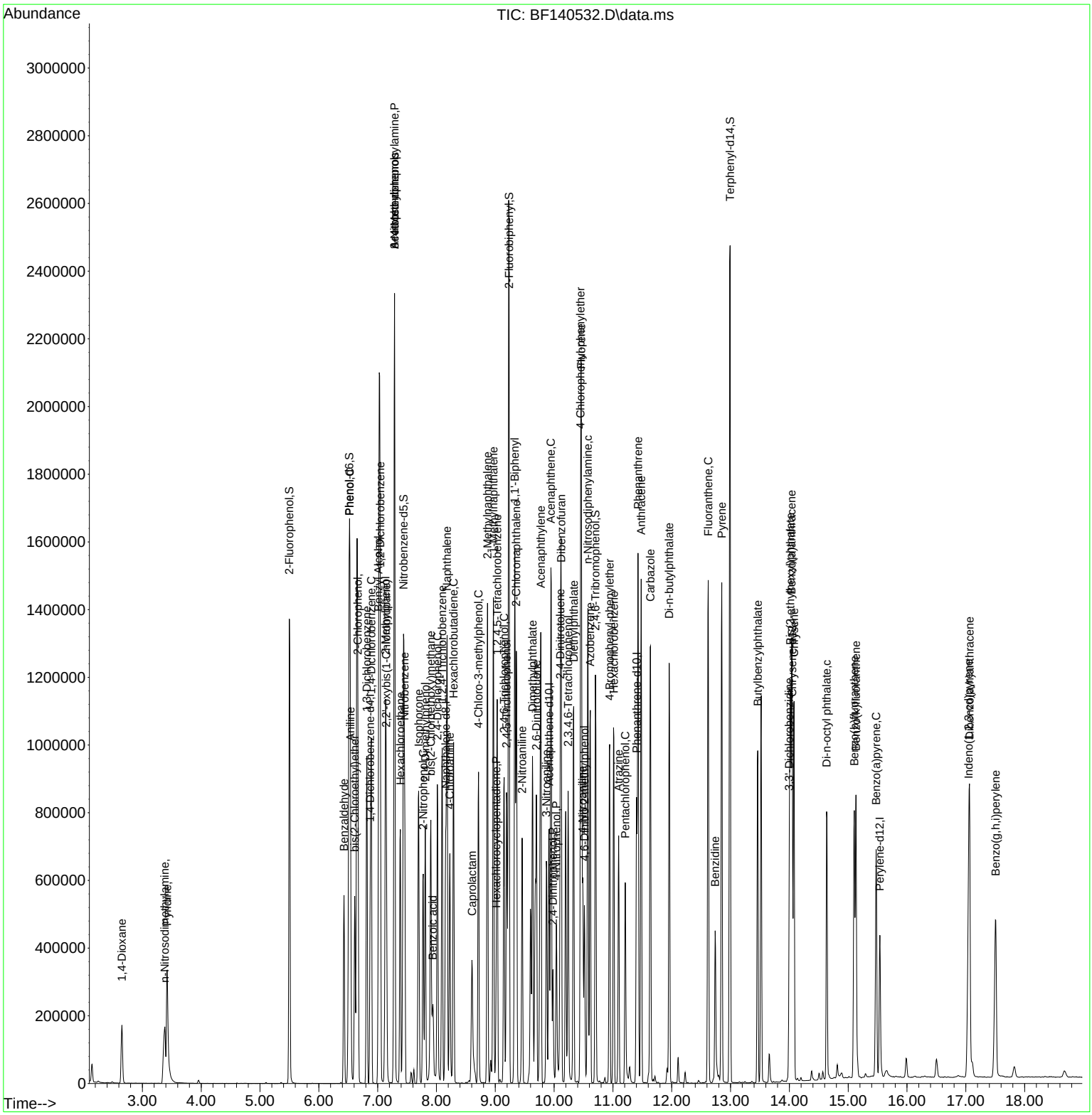
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140532.D
Acq On : 21 Nov 2024 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	117539	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	425301	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	233869	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	432727	20.000	ng	0.00
76) Chrysene-d12	14.057	240	241266	20.000	ng	0.00
86) Perylene-d12	15.545	264	219139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	656695	95.327	ng	0.00
7) Phenol-d6	6.522	99	860924	94.531	ng	0.00
23) Nitrobenzene-d5	7.445	82	801144	96.352	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	245159	98.015	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1467020	93.462	ng	0.00
79) Terphenyl-d14	12.992	244	1481875	95.640	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	132951	45.902	ng	99
3) Pyridine	3.416	79	312094	48.973	ng	97
4) n-Nitrosodimethylamine	3.387	42	185759	49.595	ng	99
6) Aniline	6.545	93	306198	47.767	ng	99
8) 2-Chlorophenol	6.669	128	352950	47.623	ng	97
9) Benzaldehyde	6.428	77	220959	45.830	ng	100
10) Phenol	6.534	94	444859	47.830	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	336892	47.335	ng	100
12) 1,3-Dichlorobenzene	6.816	146	395334	47.472	ng	99
13) 1,4-Dichlorobenzene	6.892	146	399191	47.341	ng	100
14) 1,2-Dichlorobenzene	7.045	146	372552	47.151	ng	98
15) Benzyl Alcohol	7.022	79	327081	48.428	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	392372	46.665	ng	93
17) 2-Methylphenol	7.134	107	280882	47.344	ng	98
18) Hexachloroethane	7.386	117	151045	47.961	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	251453	46.718	ng	99
20) 3+4-Methylphenols	7.292	107	355860	46.666	ng	95
22) Acetophenone	7.286	105	492194	47.469	ng	98
24) Nitrobenzene	7.463	77	412860	48.043	ng	99
25) Isophorone	7.698	82	668649	48.214	ng	100
26) 2-Nitrophenol	7.775	139	189056	49.644	ng	99
27) 2,4-Dimethylphenol	7.816	122	217017	47.628	ng	99
28) bis(2-Chloroethoxy)met...	7.904	93	402409	47.630	ng	100
29) 2,4-Dichlorophenol	8.022	162	295023	48.863	ng	98
30) 1,2,4-Trichlorobenzene	8.098	180	336812	48.858	ng	98
31) Naphthalene	8.181	128	1055423	48.178	ng	100
32) Benzoic acid	7.957	122	196545	49.333	ng	99
33) 4-Chloroaniline	8.233	127	322212	49.125	ng	99
34) Hexachlorobutadiene	8.292	225	221707	48.555	ng	99
35) Caprolactam	8.616	113	90596	48.486	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	326418	48.287	ng	99
37) 2-Methylnaphthalene	8.869	142	662592	47.620	ng	100
38) 1-Methylnaphthalene	8.969	142	649248	47.603	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	328190	47.935	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70831	49.123	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	212974	49.574	ng	99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

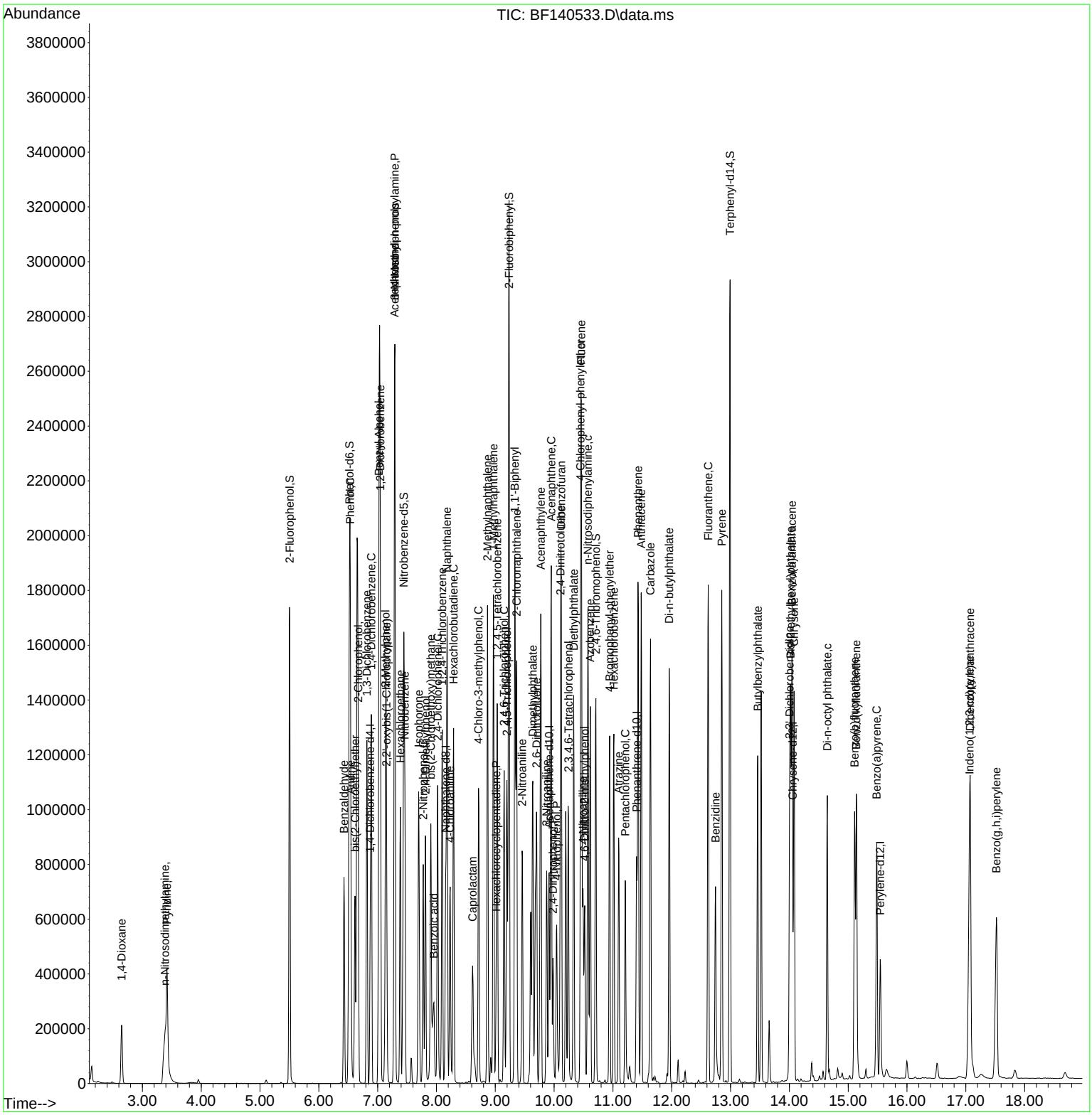
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227840	48.866	ng	98
46) 1,1'-Biphenyl	9.333	154	834139	47.772	ng	99
47) 2-Chloronaphthalene	9.363	162	632459	47.803	ng	99
48) 2-Nitroaniline	9.457	65	212420	50.020	ng	98
49) Acenaphthylene	9.775	152	951784	47.612	ng	99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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	126992	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	460987	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	252108	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	449876	20.000	ng		0.00
76) Chrysene-d12	14.051	240	226512	20.000	ng		0.00
86) Perylene-d12	15.539	264	216239	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	858529	115.348	ng		0.00
7) Phenol-d6	6.522	99	1119751	113.799	ng		0.00
23) Nitrobenzene-d5	7.445	82	1043537	115.789	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	317506	117.756	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1875064	110.815	ng		0.00
79) Terphenyl-d14	12.992	244	1783980	122.638	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.651	88	172855	55.237	ng		100
3) Pyridine	3.422	79	414269	60.167	ng		97
4) n-Nitrosodimethylamine	3.398	42	240667	59.472	ng		99
6) Aniline	6.545	93	388609	56.111	ng	#	75
8) 2-Chlorophenol	6.669	128	460365	57.492	ng		99
9) Benzaldehyde	6.428	77	242020	46.462	ng		98
10) Phenol	6.539	94	567815	56.506	ng		97
11) bis(2-Chloroethyl)ether	6.616	93	457231	59.461	ng		99
12) 1,3-Dichlorobenzene	6.816	146	518683	57.647	ng		99
13) 1,4-Dichlorobenzene	6.892	146	522883	57.394	ng		99
14) 1,2-Dichlorobenzene	7.051	146	482402	56.509	ng		99
15) Benzyl Alcohol	7.022	79	415427	56.931	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	524697	57.758	ng		98
17) 2-Methylphenol	7.139	107	365400	57.006	ng		97
18) Hexachloroethane	7.386	117	194336	57.114	ng		100
19) n-Nitroso-di-n-propyla...	7.298	70	326639	56.169	ng		98
20) 3+4-Methylphenols	7.292	107	460654	55.912	ng		95
22) Acetophenone	7.292	105	636564	56.641	ng		98
24) Nitrobenzene	7.463	77	540526	58.030	ng		100
25) Isophorone	7.698	82	876972	58.340	ng		99
26) 2-Nitrophenol	7.775	139	249133	60.355	ng		100
27) 2,4-Dimethylphenol	7.816	122	285825	57.873	ng		98
28) bis(2-Chloroethoxy)met...	7.904	93	531210	58.008	ng		100
29) 2,4-Dichlorophenol	8.022	162	379082	57.925	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	431792	57.787	ng		100
31) Naphthalene	8.181	128	1359743	57.265	ng		99
32) Benzoic acid	7.969	122	265434	59.698	ng		99
33) 4-Chloroaniline	8.233	127	425356	59.831	ng		99
34) Hexachlorobutadiene	8.292	225	286614	57.911	ng		98
35) Caprolactam	8.622	113	117351	57.943	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	424528	57.938	ng		99
37) 2-Methylnaphthalene	8.869	142	857509	56.857	ng		100
38) 1-Methylnaphthalene	8.969	142	841528	56.925	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	427164	57.878	ng		99
41) Hexachlorocyclopentadiene	9.016	237	97536	60.727	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	272399	58.819	ng		100

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

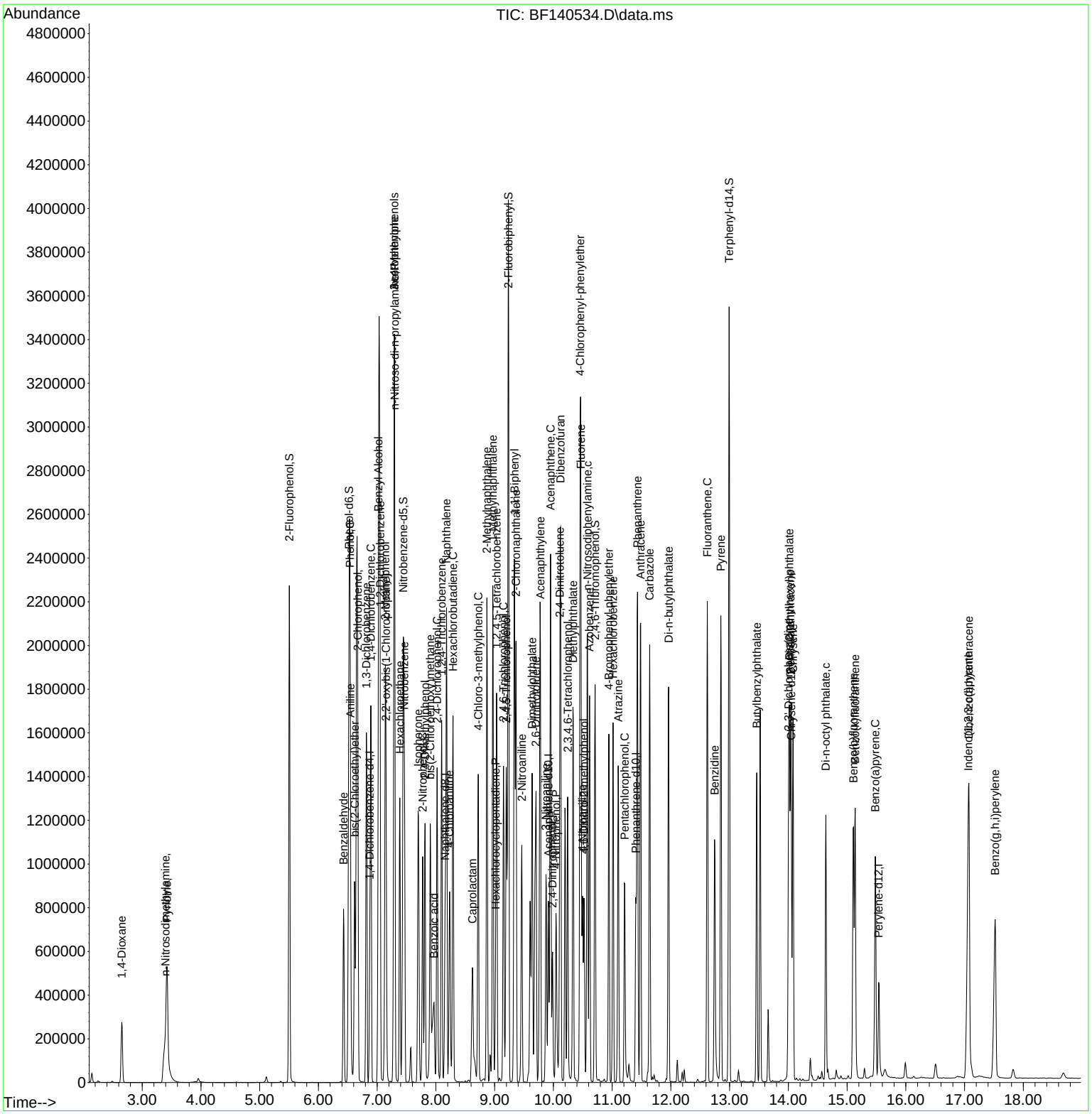
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	300029	59.694	ng	98
46) 1,1'-Biphenyl	9.339	154	1072474	56.978	ng	99
47) 2-Chloronaphthalene	9.363	162	819966	57.492	ng	99
48) 2-Nitroaniline	9.463	65	269813	58.938	ng	96
49) Acenaphthylene	9.780	152	1227568	56.965	ng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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	111872	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	386311	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	207499	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	377113	20.000	ng		0.00
76) Chrysene-d12	14.057	240	187912	20.000	ng		0.00
86) Perylene-d12	15.539	264	185457	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	976816	148.979	ng		0.01
7) Phenol-d6	6.528	99	1259345	145.284	ng		0.01
23) Nitrobenzene-d5	7.451	82	1184453	156.830	ng		0.01
42) 2,4,6-Tribromophenol	10.710	330	350473	157.926	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	2050501	147.236	ng		0.00
79) Terphenyl-d14	12.992	244	1884646	156.171	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.663	88	213294	77.371	ng		100
3) Pyridine	3.434	79	504657	83.201	ng		98
4) n-Nitrosodimethylamine	3.416	42	295436	82.873	ng		99
6) Aniline	6.551	93	373764	61.261	ng	#	66
8) 2-Chlorophenol	6.675	128	512168	72.606	ng		97
10) Phenol	6.545	94	633910	71.609	ng		99
11) bis(2-Chloroethyl)ether	6.622	93	509142	75.160	ng		100
12) 1,3-Dichlorobenzene	6.822	146	576538	72.737	ng		99
13) 1,4-Dichlorobenzene	6.893	146	587901	73.253	ng		98
14) 1,2-Dichlorobenzene	7.051	146	541244	71.971	ng		99
15) Benzyl Alcohol	7.028	79	469135	72.980	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	571163	71.370	ng		89
17) 2-Methylphenol	7.140	107	412367	73.028	ng		97
18) Hexachloroethane	7.387	117	223281	74.489	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	370745	72.370	ng		97
20) 3+4-Methylphenols	7.298	107	516442	71.155	ng		91
22) Acetophenone	7.292	105	722622	76.727	ng	#	98
24) Nitrobenzene	7.469	77	605207	77.534	ng		98
25) Isophorone	7.704	82	981772	77.937	ng		100
26) 2-Nitrophenol	7.775	139	277762	80.298	ng		98
27) 2,4-Dimethylphenol	7.816	122	336239	81.241	ng		100
28) bis(2-Chloroethoxy)met...	7.904	93	591884	77.128	ng		100
29) 2,4-Dichlorophenol	8.022	162	418686	76.344	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	482134	76.997	ng		99
31) Naphthalene	8.181	128	1498520	75.309	ng		100
32) Benzoic acid	7.981	122	312770	81.021	ng		99
33) 4-Chloroaniline	8.239	127	446235	74.901	ng		99
34) Hexachlorobutadiene	8.292	225	315951	76.179	ng		99
35) Caprolactam	8.634	113	127641	75.207	ng		99
36) 4-Chloro-3-methylphenol	8.728	107	465184	75.759	ng		100
37) 2-Methylnaphthalene	8.869	142	949611	75.136	ng		100
38) 1-Methylnaphthalene	8.969	142	928964	74.987	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	468632	77.147	ng		100
41) Hexachlorocyclopentadiene	9.022	237	110015	80.520	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	302826	79.446	ng		99
44) 2,4,5-Trichlorophenol	9.204	196	325549	78.696	ng		98

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

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

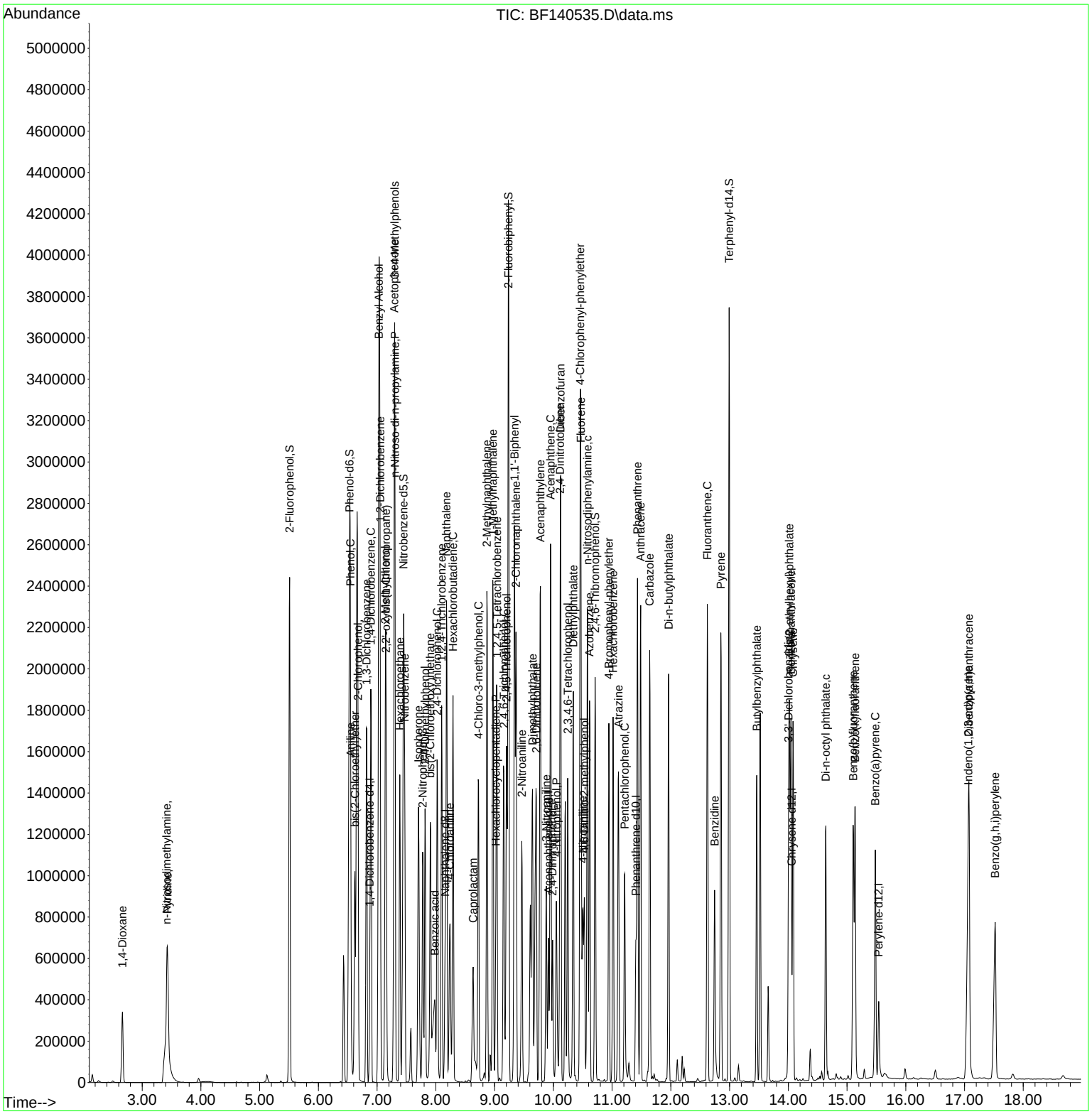
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	106835	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	417612	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	239418	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	448820	20.000	ng	0.00
76) Chrysene-d12	14.057	240	266538	20.000	ng	0.00
86) Perylene-d12	15.551	264	215076	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	494717	79.009	ng	0.00
7) Phenol-d6	6.516	99	674309	81.459	ng	0.00
23) Nitrobenzene-d5	7.439	82	644226	78.907	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	204020	79.677	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1227501	76.390	ng	0.00
79) Terphenyl-d14	12.992	244	1291669	75.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	102768	39.036	ng	99
3) Pyridine	3.410	79	258925	44.701	ng	99
4) n-Nitrosodimethylamine	3.369	42	140208	41.184	ng	98
6) Aniline	6.539	93	274234	47.067	ng	91
8) 2-Chlorophenol	6.663	128	270746	40.191	ng	98
9) Benzaldehyde	6.428	77	161873	36.939	ng	99
10) Phenol	6.528	94	346860	41.030	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	257441	39.796	ng	99
12) 1,3-Dichlorobenzene	6.816	146	300749	39.732	ng	99
13) 1,4-Dichlorobenzene	6.892	146	304030	39.668	ng	100
14) 1,2-Dichlorobenzene	7.045	146	283001	39.406	ng	98
15) Benzyl Alcohol	7.016	79	257787	41.993	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	314742	41.183	ng	93
17) 2-Methylphenol	7.133	107	224359	41.606	ng	98
18) Hexachloroethane	7.381	117	114809	40.108	ng	98
19) n-Nitroso-di-n-propyla...	7.286	70	205658	42.038	ng	99
20) 3+4-Methylphenols	7.286	107	287897	41.536	ng	98
22) Acetophenone	7.281	105	396692	38.963	ng	99
24) Nitrobenzene	7.457	77	330161	39.127	ng	99
25) Isophorone	7.692	82	549222	40.332	ng	99
26) 2-Nitrophenol	7.769	139	150969	40.372	ng	98
27) 2,4-Dimethylphenol	7.810	122	177031	39.568	ng	99
28) bis(2-Chloroethoxy)met...	7.898	93	331321	39.938	ng	100
29) 2,4-Dichlorophenol	8.016	162	236857	39.952	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	263327	38.901	ng	99
31) Naphthalene	8.175	128	842187	39.152	ng	99
32) Benzoic acid	7.939	122	156794	41.429	ng	98
33) 4-Chloroaniline	8.228	127	280483	43.551	ng	99
34) Hexachlorobutadiene	8.292	225	176676	39.406	ng	99
35) Caprolactam	8.604	113	74088	40.381	ng	94
36) 4-Chloro-3-methylphenol	8.716	107	266862	40.203	ng	99
37) 2-Methylnaphthalene	8.869	142	546332	39.987	ng	99
38) 1-Methylnaphthalene	8.969	142	531502	39.688	ng	99
40) 1,2,4,5-Tetrachloroben...	9.033	216	272114	38.824	ng	100
41) Hexachlorocyclopentadiene	9.016	237	52730	37.711	ng	97
43) 2,4,6-Trichlorophenol	9.151	196	173239	39.390	ng	99

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

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

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

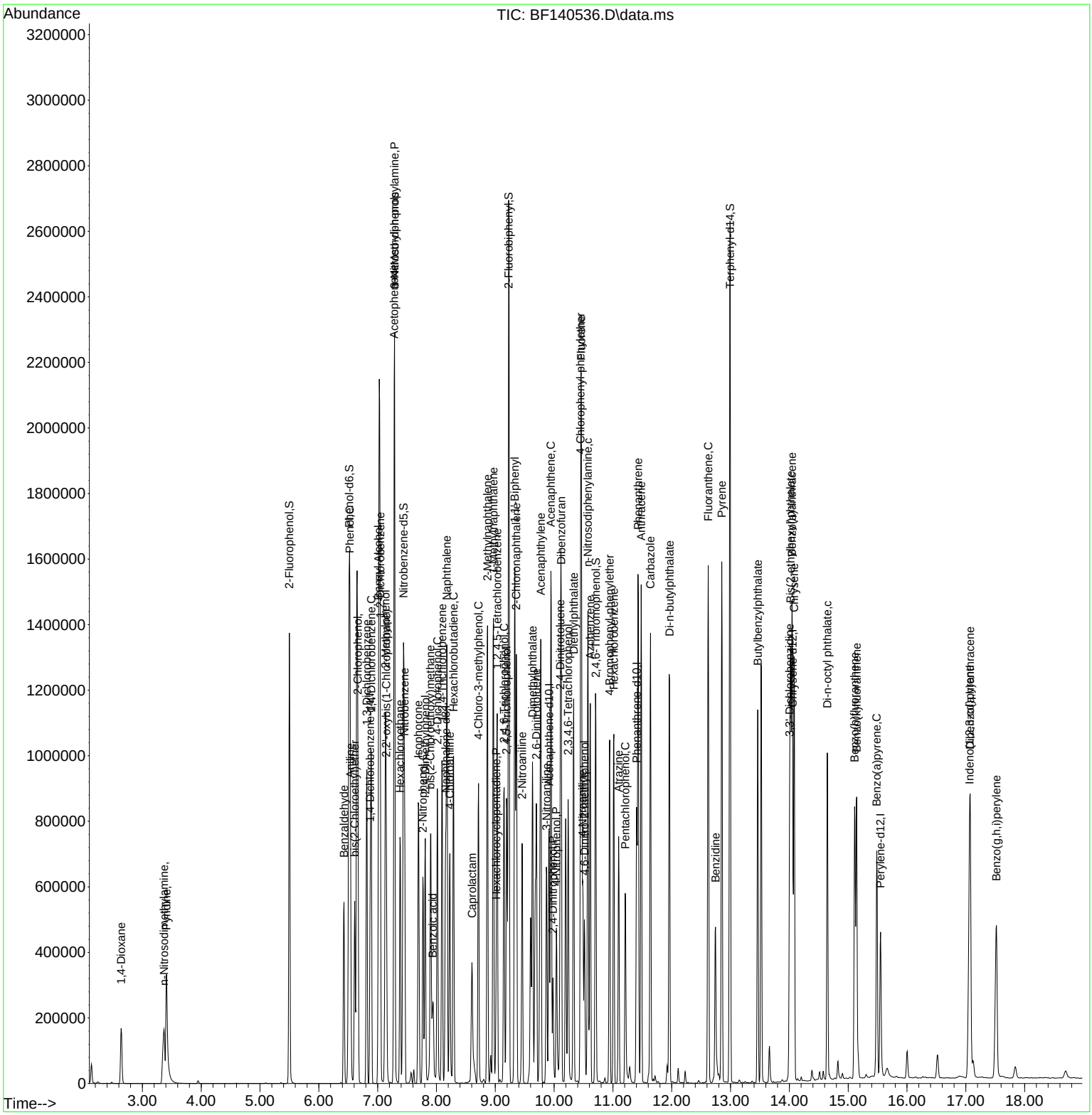
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140536.D
Acq On : 21 Nov 2024 15:07
Operator : RC/JU
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BNA_F
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ICVBF112124

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2		1,4-Dioxane	0.493	0.481	2.4	98	-0.01
3		Pyridine	1.084	1.212	-11.8	101	-0.01
4		n-Nitrosodimethylamine	0.637	0.656	-3.0	101	-0.01
5	S	2-Fluorophenol	1.172	1.158	1.2	98	0.00
6		Aniline	1.091	1.283	-17.6	102	0.00
7	S	Phenol-d6	1.550	1.578	-1.8	98	0.00
8		2-Chlorophenol	1.261	1.267	-0.5	98	0.00
9		Benzaldehyde	0.820	0.758	7.6	102	0.00
10	C	Phenol	1.583	1.623	-2.5	97	0.00
11		bis(2-Chloroethyl)ether	1.211	1.205	0.5	96	0.00
12		1,3-Dichlorobenzene	1.417	1.408	0.6	100	0.00
13	C	1,4-Dichlorobenzene	1.435	1.423	0.8	99	0.00
14		1,2-Dichlorobenzene	1.344	1.324	1.5	97	0.00
15		Benzyl Alcohol	1.149	1.206	-5.0	98	0.00
16		2,2'-oxybis(1-Chloropropane	1.431	1.473	-2.9	100	0.00
17		2-Methylphenol	1.009	1.050	-4.1	100	0.00
18		Hexachloroethane	0.536	0.537	-0.2	99	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.963	-5.1	101	0.00
20		3+4-Methylphenols	1.298	1.347	-3.8	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.488	0.475	2.7	100	0.00
23	S	Nitrobenzene-d5	0.391	0.386	1.3	99	0.00
24		Nitrobenzene	0.404	0.395	2.2	99	0.00
25		Isophorone	0.652	0.658	-0.9	100	0.00
26	C	2-Nitrophenol	0.179	0.181	-1.1	101	0.00
27		2,4-Dimethylphenol	0.214	0.212	0.9	95	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.397	0.0	101	0.00
29	C	2,4-Dichlorophenol	0.284	0.284	0.0	102	0.00
30		1,2,4-Trichlorobenzene	0.324	0.315	2.8	101	0.00
31		Naphthalene	1.030	1.008	2.1	101	0.00
32		Benzoic acid	0.164	0.188	-14.6	107	0.00
33		4-Chloroaniline	0.308	0.336	-9.1	104	0.00
34	C	Hexachlorobutadiene	0.215	0.212	1.4	101	0.00
35		Caprolactam	0.088	0.089	-1.1	99	0.00
36	C	4-Chloro-3-methylphenol	0.318	0.320	-0.6	99	0.00
37		2-Methylnaphthalene	0.654	0.654	0.0	102	0.00
38		1-Methylnaphthalene	0.641	0.636	0.8	101	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.568	3.1	103	0.00
41	P	Hexachlorocyclopentadiene	0.107	0.110	-2.8	99	0.00
42	S	2,4,6-Tribromophenol	0.214	0.213	0.5	101	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.362	1.4	101	0.00
44		2,4,5-Trichlorophenol	0.399	0.402	-0.8	102	0.00
45	S	2-Fluorobiphenyl	1.342	1.282	4.5	101	0.00
46		1,1'-Biphenyl	1.493	1.447	3.1	102	0.00
47		2-Chloronaphthalene	1.131	1.109	1.9	102	0.00

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

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

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

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

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2		1,4-Dioxane	40.000	39.036	2.4	98	-0.01
3		Pyridine	40.000	44.701	-11.8	101	-0.01
4		n-Nitrosodimethylamine	40.000	41.184	-3.0	101	-0.01
5	S	2-Fluorophenol	80.000	79.009	1.2	98	0.00
6		Aniline	40.000	47.067	-17.7	102	0.00
7	S	Phenol-d6	80.000	81.459	-1.8	98	0.00
8		2-Chlorophenol	40.000	40.191	-0.5	98	0.00
9		Benzaldehyde	40.000	36.939	7.7	102	0.00
10	C	Phenol	40.000	41.030	-2.6	97	0.00
11		bis(2-Chloroethyl)ether	40.000	39.796	0.5	96	0.00
12		1,3-Dichlorobenzene	40.000	39.732	0.7	100	0.00
13	C	1,4-Dichlorobenzene	40.000	39.668	0.8	99	0.00
14		1,2-Dichlorobenzene	40.000	39.406	1.5	97	0.00
15		Benzyl Alcohol	40.000	41.993	-5.0	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.183	-3.0	100	0.00
17		2-Methylphenol	40.000	41.606	-4.0	100	0.00
18		Hexachloroethane	40.000	40.108	-0.3	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.038	-5.1	101	0.00
20		3+4-Methylphenols	40.000	41.536	-3.8	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.963	2.6	100	0.00
23	S	Nitrobenzene-d5	80.000	78.907	1.4	99	0.00
24		Nitrobenzene	40.000	39.127	2.2	99	0.00
25		Isophorone	40.000	40.332	-0.8	100	0.00
26	C	2-Nitrophenol	40.000	40.372	-0.9	101	0.00
27		2,4-Dimethylphenol	40.000	39.568	1.1	95	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.938	0.2	101	0.00
29	C	2,4-Dichlorophenol	40.000	39.952	0.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	38.901	2.7	101	0.00
31		Naphthalene	40.000	39.152	2.1	101	0.00
32		Benzoic acid	40.000	41.429	-3.6	107	0.00
33		4-Chloroaniline	40.000	43.551	-8.9	104	0.00
34	C	Hexachlorobutadiene	40.000	39.406	1.5	101	0.00
35		Caprolactam	40.000	40.381	-1.0	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.203	-0.5	99	0.00
37		2-Methylnaphthalene	40.000	39.987	0.0	102	0.00
38		1-Methylnaphthalene	40.000	39.688	0.8	101	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.824	2.9	103	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.711	5.7	99	0.00
42	S	2,4,6-Tribromophenol	80.000	79.677	0.4	101	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.390	1.5	101	0.00
44		2,4,5-Trichlorophenol	40.000	40.302	-0.8	102	0.00
45	S	2-Fluorobiphenyl	80.000	76.390	4.5	101	0.00
46		1,1'-Biphenyl	40.000	38.769	3.1	102	0.00
47		2-Chloronaphthalene	40.000	39.197	2.0	102	0.00

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

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

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
ICVBF112124

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

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.144		1.1	
Benzaldehyde	0.759	0.637		-16.1	
Phenol-d6	1.551	1.521		-1.9	
Phenol	1.688	1.674		-0.8	20.0
bis(2-Chloroethyl)ether	1.397	1.299		-7.0	
2-Chlorophenol	1.340	1.311		-2.2	
2-Methylphenol	1.093	1.083		-0.9	
2,2-oxybis(1-Chloropropane)	1.654	1.620		-2.1	
Acetophenone	0.453	0.450		-0.7	
3+4-Methylphenols	1.515	1.436		-5.2	
n-Nitroso-di-n-propylamine	1.023	0.964	0.050	-5.8	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.496		-0.8	
Nitrobenzene	0.329	0.342		4.0	
Isophorone	0.616	0.606		-1.6	
2-Nitrophenol	0.175	0.178		1.7	20.0
2,4-Dimethylphenol	0.203	0.200		-1.5	
bis(2-Chloroethoxy)methane	0.377	0.369		-2.1	
2,4-Dichlorophenol	0.288	0.285		-1.0	20.0
Naphthalene	1.010	1.004		-0.6	
4-Chloroaniline	0.355	0.354		-0.3	
Hexachlorobutadiene	0.198	0.197		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.717	0.691		-3.6	
Hexachlorocyclopentadiene	0.154	0.169	0.050	9.7	
2,4,6-Trichlorophenol	0.362	0.367		1.4	20.0
2-Fluorobiphenyl	1.225	1.272		3.8	
2,4,5-Trichlorophenol	0.403	0.405		0.5	
1,1-Biphenyl	1.380	1.417		2.7	
2-Chloronaphthalene	1.088	1.105		1.6	
2-Nitroaniline	0.288	0.314		9.0	
Dimethylphthalate	1.424	1.379		-3.2	
Acenaphthylene	1.622	1.643		1.3	
2,6-Dinitrotoluene	0.329	0.331		0.6	
3-Nitroaniline	0.319	0.336		5.3	
Acenaphthene	1.035	1.053		1.7	20.0
2,4-Dinitrophenol	0.193	0.200	0.050	3.6	
4-Nitrophenol	0.264	0.279	0.050	5.7	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.655		-0.7	
2,4-Dinitrotoluene	0.462	0.469		1.5	
Diethylphthalate	1.502	1.462		-2.7	
4-Chlorophenyl-phenylether	0.706	0.688		-2.5	
Fluorene	1.391	1.403		0.9	
4-Nitroaniline	0.344	0.366		6.4	
4,6-Dinitro-2-methylphenol	0.119	0.124		4.2	
n-Nitrosodiphenylamine	0.531	0.531		0.0	20.0
2,4,6-Tribromophenol	0.376	0.358		-4.8	
4-Bromophenyl-phenylether	0.221	0.215		-2.7	
Hexachlorobenzene	0.290	0.280		-3.4	
Atrazine	0.157	0.151		-3.8	
Pentachlorophenol	0.158	0.160		1.3	20.0
Phenanthrene	0.973	0.971		-0.2	
Anthracene	0.961	0.970		0.9	
Carbazole	0.963	0.977		1.5	
Di-n-butylphthalate	1.190	1.176		-1.2	
Fluoranthene	1.247	1.250		0.2	20.0
Pyrene	1.138	1.143		0.4	
Terphenyl-d14	0.904	0.906		0.2	
Butylbenzylphthalate	0.511	0.511		0.0	
3,3-Dichlorobenzidine	0.468	0.485		3.6	
Benzo(a)anthracene	1.188	1.172		-1.3	
Chrysene	1.129	1.122		-0.6	
Bis(2-ethylhexyl)phthalate	0.773	0.758		-1.9	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo(b)fluoranthene	1.097	1.086		-1.0	
Benzo(k)fluoranthene	0.996	1.026		3.0	
Benzo(a)pyrene	0.947	0.951		0.4	20.0
Indeno(1,2,3-cd)pyrene	1.374	1.381		0.5	
Dibenzo(a,h)anthracene	1.145	1.157		1.0	
Benzo(g,h,i)perylene	1.163	1.156		-0.6	
1,2,4,5-Tetrachlorobenzene	0.527	0.541		2.7	
1,4-Dioxane	0.421	0.425		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.363		-2.7	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/13/2024
Supervised By :mohammad ahmed
11/13/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.553	152	74030	20.000	ng		-0.01
21) Naphthalene-d8	10.326	136	315608	20.000	ng		0.00
39) Acenaphthene-d10	14.169	164	204281	20.000	ng		0.00
64) Phenanthrene-d10	16.907	188	460719	20.000	ng		0.00
76) Chrysene-d12	21.072	240	529921	20.000	ng		0.00
86) Perylene-d12	23.352	264	667920	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.303	112	338659	80.887	ng		-0.01
7) Phenol-d6	6.942	99	450494	78.477	ng		0.00
23) Nitrobenzene-d5	8.769	82	415403	83.138	ng		0.00
42) 2,4,6-Tribromophenol	15.679	330	292515	76.098	ng		0.00
45) 2-Fluorobiphenyl	12.794	172	1039060	83.051	ng		0.00
79) Terphenyl-d14	19.504	244	1919862	80.196	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.187	88	62968	40.414	ng		98
3) Pyridine	3.605	79	147707	33.898	ng		98
4) n-Nitrosodimethylamine	3.534	42	76606	44.396	ng		93
6) Aniline	6.995	93	174926	40.601	ng		96
8) 2-Chlorophenol	7.200	128	194160	39.143	ng		98
9) Benzaldehyde	6.760	77	94326	33.593	ng		97
10) Phenol	6.965	94	247782	39.655	ng		99
11) bis(2-Chloroethyl)ether	7.024	93	192316m	37.179	ng		
12) 1,3-Dichlorobenzene	7.441	146	213567	39.438	ng		98
13) 1,4-Dichlorobenzene	7.588	146	217343	39.625	ng		98
14) 1,2-Dichlorobenzene	7.917	146	211223	39.231	ng		98
15) Benzyl Alcohol	7.894	79	134569	40.131	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.064	45	239862	39.174	ng		98
17) 2-Methylphenol	8.140	107	160319	39.630	ng		98
18) Hexachloroethane	8.610	117	73471	39.664	ng		99
19) n-Nitroso-di-n-propyla...	8.358	70	142689	37.699	ng		98
20) 3+4-Methylphenols	8.481	107	212672	37.915	ng		97
22) Acetophenone	8.411	105	283999	39.734	ng	#	99
24) Nitrobenzene	8.810	77	215923	41.548	ng		98
25) Isophorone	9.257	82	382232	39.309	ng		99
26) 2-Nitrophenol	9.492	139	112079	40.525	ng		98
27) 2,4-Dimethylphenol	9.615	122	126131	39.415	ng		98
28) bis(2-Chloroethoxy)met...	9.756	93	232925	39.133	ng		99
29) 2,4-Dichlorophenol	10.050	162	179908	39.603	ng		98
30) 1,2,4-Trichlorobenzene	10.167	180	201061	39.646	ng		99
31) Naphthalene	10.373	128	633627	39.768	ng		99
32) Benzoic acid	9.909	122	109285	38.179	ng		98
33) 4-Chloroaniline	10.596	127	223545	39.897	ng		99
34) Hexachlorobutadiene	10.620	225	124199	39.734	ng		98
35) Caprolactam	11.390	113	63328	37.961	ng		95
36) 4-Chloro-3-methylphenol	11.777	107	192345	38.773	ng		100
37) 2-Methylnaphthalene	11.965	142	436408	38.563	ng		98
38) 1-Methylnaphthalene	12.189	142	432593	38.331	ng		99
40) 1,2,4,5-Tetrachloroben...	12.324	216	220904	41.016	ng		100
41) Hexachlorocyclopentadiene	12.300	237	69123	43.980	ng		99
43) 2,4,6-Trichlorophenol	12.641	196	149834	40.509	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel
11/13/2024
Supervised By :mohammad ahmed
11/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.753	196	165416	40.142	ng	99
46) 1,1'-Biphenyl	12.994	154	579128	41.099	ng	99
47) 2-Chloronaphthalene	13.041	162	451301	40.607	ng	98
48) 2-Nitroaniline	13.375	65	128427	43.654	ng	94
49) Acenaphthylene	13.898	152	671108	40.520	ng	99
50) Dimethylphthalate	13.675	163	563492	38.736	ng	100
51) 2,6-Dinitrotoluene	13.816	165	135217	40.273	ng	99
52) Acenaphthene	14.233	154	430071	40.692	ng	99
53) 3-Nitroaniline	14.221	138	137216	42.098	ng	96
54) 2,4-Dinitrophenol	14.363	184	81666	41.506	ng	96
55) Dibenzofuran	14.574	168	676218	39.732	ng	99
56) 4-Nitrophenol	14.650	139	114076	42.384	ng	94
57) 2,4-Dinitrotoluene	14.598	165	191435	40.585	ng	96
58) Fluorene	15.214	166	573379	40.369	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.844	232	148382	38.915	ng	99
60) Diethylphthalate	14.997	149	597249	38.939	ng	99
61) 4-Chlorophenyl-phenyle...	15.197	204	280911	38.947	ng	98
62) 4-Nitroaniline	15.414	138	149671	42.620	ng	97
63) Azobenzene	15.496	77	510234	40.775	ng	99
65) 4,6-Dinitro-2-methylph...	15.344	198	114559	41.888	ng	95
66) n-Nitrosodiphenylamine	15.449	169	489472	40.033	ng	100
67) 4-Bromophenyl-phenylether	16.084	248	197822	38.931	ng	99
68) Hexachlorobenzene	16.196	284	258017	38.582	ng	98
69) Atrazine	16.384	200	139555	38.660	ng	99
70) Pentachlorophenol	16.601	266	147133	40.549	ng	99
71) Phenanthrene	16.948	178	894640	39.925	ng	99
72) Anthracene	17.036	178	893341	40.371	ng	100
73) Carbazole	17.365	167	900148	40.564	ng	99
74) Di-n-butylphthalate	17.811	149	1084027	39.557	ng	99
75) Fluoranthene	18.957	202	1151544	40.081	ng	100
77) Benzidine	19.216	184	644239	56.596	ng	100
78) Pyrene	19.327	202	1211021	40.164	ng	100
80) Butylbenzylphthalate	20.173	149	541862	39.990	ng	98
81) Benzo(a)anthracene	21.049	228	1241985	39.463	ng	100
82) 3,3'-Dichlorobenzidine	21.025	252	513719	41.465	ng	99
83) Chrysene	21.108	228	1188952	39.745	ng	100
84) Bis(2-ethylhexyl)phtha...	20.873	149	803133	39.204	ng	99
85) Di-n-octyl phthalate	21.719	149	1376819	39.727	ng	99
87) Indeno(1,2,3-cd)pyrene	25.696	276	1844517	40.186	ng	99
88) Benzo(b)fluoranthene	22.647	252	1450100	39.572	ng	99
89) Benzo(k)fluoranthene	22.694	252	1370505	41.199	ng	99
90) Benzo(a)pyrene	23.252	252	1271036	40.176	ng	100
91) Dibenzo(a,h)anthracene	25.679	278	1545780	40.438	ng	100
92) Benzo(g,h,i)perylene	26.437	276	1543706	39.749	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

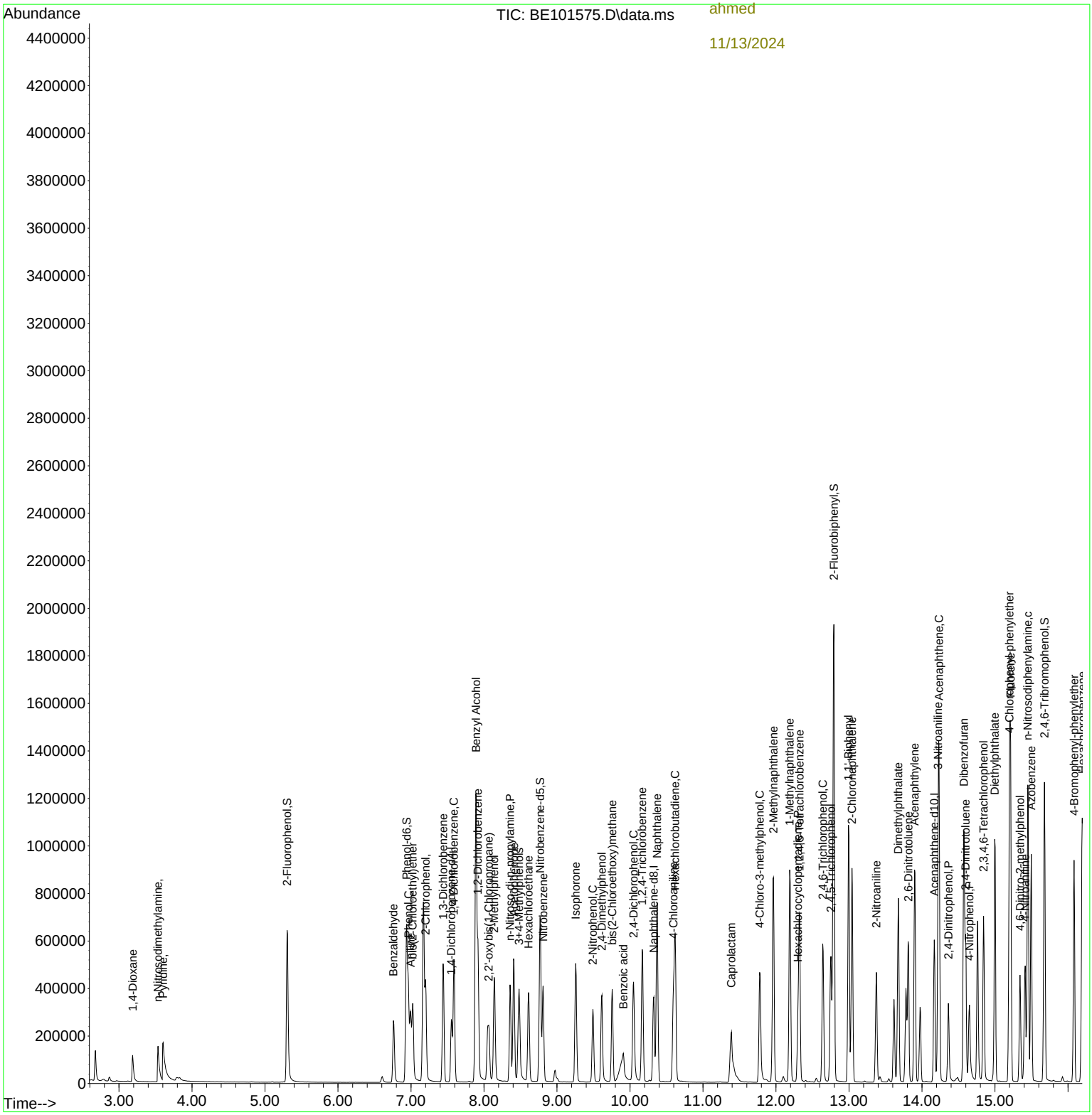
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/13/2024

Supervised By :mohammad ahmed

11/13/2024



Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
SSTDCCC040

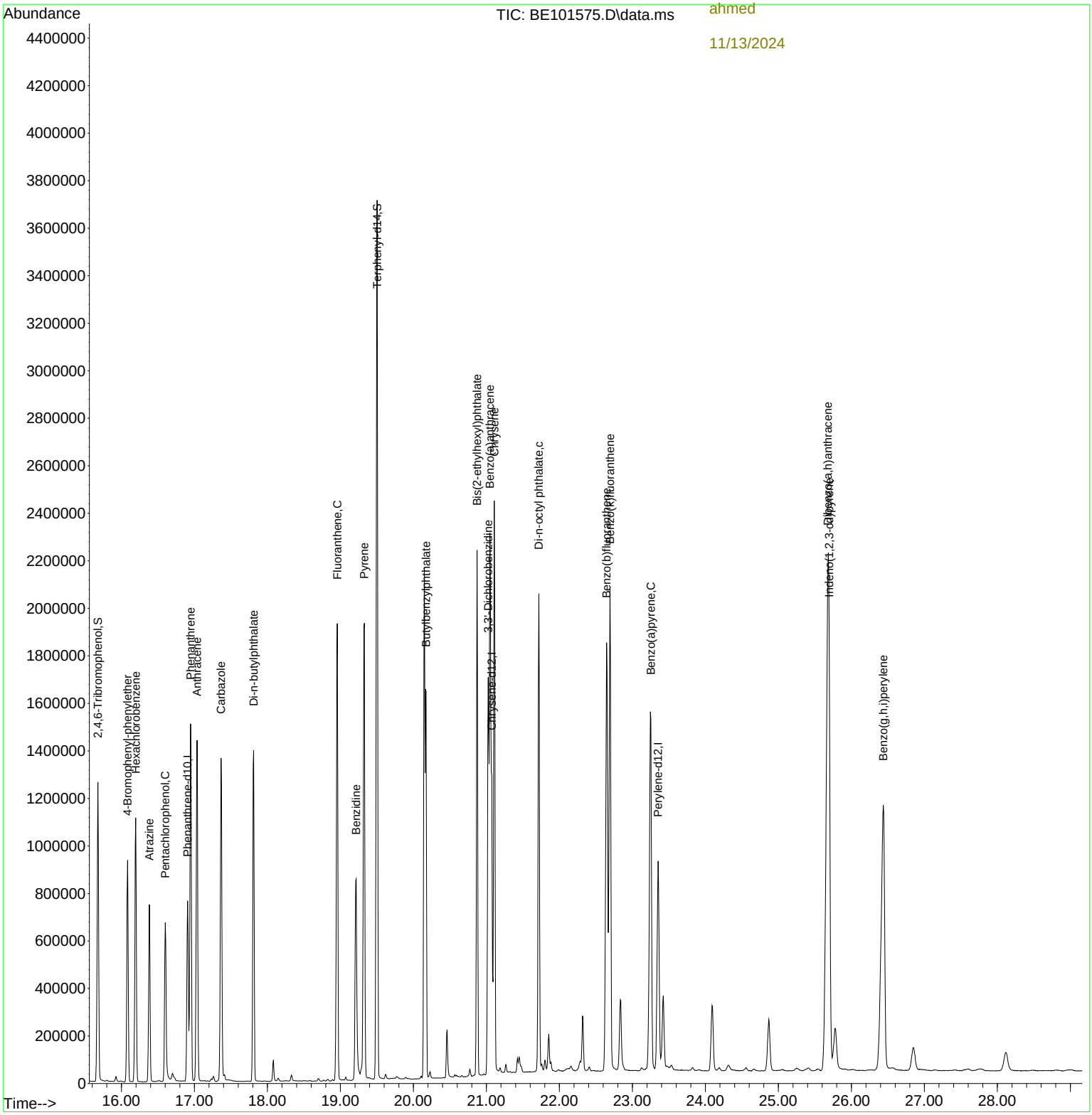
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

11/13/2024

Supervised By :mohammad ahmed

11/13/2024



Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	-0.01
2		1,4-Dioxane	0.421	0.425	-1.0	119	0.00
3		Pyridine	1.177	0.998	15.2	98	-0.02
4		n-Nitrosodimethylamine	0.466	0.517	-10.9	131	-0.01
5	S	2-Fluorophenol	1.131	1.144	-1.1	118	-0.01
6		Aniline	1.164	1.181	-1.5	98	0.00
7	S	Phenol-d6	1.551	1.521	1.9	112	0.00
8		2-Chlorophenol	1.340	1.311	2.2	113	0.00
9		Benzaldehyde	0.759	0.637	16.1	94	-0.01
10	C	Phenol	1.688	1.674	0.8	114	0.00
11		bis(2-Chloroethyl)ether	1.397	1.299	7.0	126	0.00
12		1,3-Dichlorobenzene	1.463	1.442	1.4	115	-0.01
13	C	1,4-Dichlorobenzene	1.482	1.468	0.9	115	-0.01
14		1,2-Dichlorobenzene	1.455	1.427	1.9	114	-0.01
15		Benzyl Alcohol	0.906	0.909	-0.3	112	0.00
16		2,2'-oxybis(1-Chloropropane	1.654	1.620	2.1	113	0.00
17		2-Methylphenol	1.093	1.083	0.9	110	-0.01
18		Hexachloroethane	0.500	0.496	0.8	116	0.00
19	P	n-Nitroso-di-n-propylamine	1.023	0.964	5.8	106	0.00
20		3+4-Methylphenols	1.515	1.436	5.2	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.453	0.450	0.7	106	0.00
23	S	Nitrobenzene-d5	0.317	0.329	-3.8	110	0.00
24		Nitrobenzene	0.329	0.342	-4.0	110	0.00
25		Isophorone	0.616	0.606	1.6	103	-0.01
26	C	2-Nitrophenol	0.175	0.178	-1.7	106	-0.01
27		2,4-Dimethylphenol	0.203	0.200	1.5	105	0.00
28		bis(2-Chloroethoxy)methane	0.377	0.369	2.1	104	0.00
29	C	2,4-Dichlorophenol	0.288	0.285	1.0	105	0.00
30		1,2,4-Trichlorobenzene	0.321	0.319	0.6	107	-0.01
31		Naphthalene	1.010	1.004	0.6	106	0.00
32		Benzoic acid	0.168	0.173	-3.0	109	0.01
33		4-Chloroaniline	0.355	0.354	0.3	103	0.00
34	C	Hexachlorobutadiene	0.198	0.197	0.5	107	0.00
35		Caprolactam	0.106	0.100	5.7	98	0.00
36	C	4-Chloro-3-methylphenol	0.314	0.305	2.9	102	-0.01
37		2-Methylnaphthalene	0.717	0.691	3.6	102	0.00
38		1-Methylnaphthalene	0.715	0.685	4.2	102	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.527	0.541	-2.7	100	0.00
41	P	Hexachlorocyclopentadiene	0.154	0.169	-9.7	96	-0.01
42	S	2,4,6-Tribromophenol	0.376	0.358	4.8	92	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.367	-1.4	97	0.00
44		2,4,5-Trichlorophenol	0.403	0.405	-0.5	96	0.00
45	S	2-Fluorobiphenyl	1.225	1.272	-3.8	100	0.00
46		1,1'-Biphenyl	1.380	1.417	-2.7	101	0.00
47		2-Chloronaphthalene	1.088	1.105	-1.6	99	0.00

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.288	0.314	-9.0	103	0.00
49		Acenaphthylene	1.622	1.643	-1.3	98	-0.01
50		Dimethylphthalate	1.424	1.379	3.2	94	0.00
51		2,6-Dinitrotoluene	0.329	0.331	-0.6	97	0.00
52	C	Acenaphthene	1.035	1.053	-1.7	99	0.00
53		3-Nitroaniline	0.319	0.336	-5.3	97	0.00
54	P	2,4-Dinitrophenol	0.193	0.200	-3.6	98	0.00
55		Dibenzofuran	1.666	1.655	0.7	97	0.00
56	P	4-Nitrophenol	0.264	0.279	-5.7	96	0.00
57		2,4-Dinitrotoluene	0.462	0.469	-1.5	97	0.00
58		Fluorene	1.391	1.403	-0.9	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.373	0.363	2.7	93	0.00
60		Diethylphthalate	1.502	1.462	2.7	95	0.00
61		4-Chlorophenyl-phenylether	0.706	0.688	2.5	95	0.00
62		4-Nitroaniline	0.344	0.366	-6.4	100	0.00
63		Azobenzene	1.225	1.249	-2.0	99	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.124	-4.2	95	0.00
66	c	n-Nitrosodiphenylamine	0.531	0.531	0.0	96	0.00
67		4-Bromophenyl-phenylether	0.221	0.215	2.7	94	0.00
68		Hexachlorobenzene	0.290	0.280	3.4	93	0.00
69		Atrazine	0.157	0.151	3.8	83	0.00
70	C	Pentachlorophenol	0.158	0.160	-1.3	93	0.00
71		Phenanthrene	0.973	0.971	0.2	97	0.00
72		Anthracene	0.961	0.970	-0.9	96	0.00
73		Carbazole	0.963	0.977	-1.5	97	0.00
74		Di-n-butylphthalate	1.190	1.176	1.2	94	0.00
75	C	Fluoranthene	1.247	1.250	-0.2	97	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	96	0.00
77		Benzidine	0.430	0.608	-41.4#	145	0.00
78		Pyrene	1.138	1.143	-0.4	97	0.00
79	S	Terphenyl-d14	0.904	0.906	-0.2	97	0.00
80		Butylbenzylphthalate	0.511	0.511	0.0	97	0.00
81		Benzo(a)anthracene	1.188	1.172	1.3	96	0.00
82		3,3'-Dichlorobenzidine	0.468	0.485	-3.6	99	0.00
83		Chrysene	1.129	1.122	0.6	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.773	0.758	1.9	96	0.00
85	c	Di-n-octyl phthalate	1.308	1.299	0.7	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	1.374	1.381	-0.5	96	0.00
88		Benzo(b)fluoranthene	1.097	1.086	1.0	96	0.00
89		Benzo(k)fluoranthene	0.996	1.026	-3.0	98	0.00
90	C	Benzo(a)pyrene	0.947	0.951	-0.4	96	0.00
91		Dibenzo(a,h)anthracene	1.145	1.157	-1.0	96	0.00
92		Benzo(g,h,i)perylene	1.163	1.156	0.6	95	0.00

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	113	-0.01
2		1,4-Dioxane	40.000	40.414	-1.0	119	0.00
3		Pyridine	40.000	33.898	15.3	98	-0.02
4		n-Nitrosodimethylamine	40.000	44.396	-11.0	131	-0.01
5	S	2-Fluorophenol	80.000	80.887	-1.1	118	-0.01
6		Aniline	40.000	40.601	-1.5	98	0.00
7	S	Phenol-d6	80.000	78.477	1.9	112	0.00
8		2-Chlorophenol	40.000	39.143	2.1	113	0.00
9		Benzaldehyde	40.000	33.593	16.0	94	-0.01
10	C	Phenol	40.000	39.655	0.9	114	0.00
11		bis(2-Chloroethyl)ether	40.000	37.179	7.1	126	0.00
12		1,3-Dichlorobenzene	40.000	39.438	1.4	115	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.625	0.9	115	-0.01
14		1,2-Dichlorobenzene	40.000	39.231	1.9	114	-0.01
15		Benzyl Alcohol	40.000	40.131	-0.3	112	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.174	2.1	113	0.00
17		2-Methylphenol	40.000	39.630	0.9	110	-0.01
18		Hexachloroethane	40.000	39.664	0.8	116	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.699	5.8	106	0.00
20		3+4-Methylphenols	40.000	37.915	5.2	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	39.734	0.7	106	0.00
23	S	Nitrobenzene-d5	80.000	83.138	-3.9	110	0.00
24		Nitrobenzene	40.000	41.548	-3.9	110	0.00
25		Isophorone	40.000	39.309	1.7	103	-0.01
26	C	2-Nitrophenol	40.000	40.525	-1.3	106	-0.01
27		2,4-Dimethylphenol	40.000	39.415	1.5	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.133	2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	39.603	1.0	105	0.00
30		1,2,4-Trichlorobenzene	40.000	39.646	0.9	107	-0.01
31		Naphthalene	40.000	39.768	0.6	106	0.00
32		Benzoic acid	40.000	38.179	4.6	109	0.01
33		4-Chloroaniline	40.000	39.897	0.3	103	0.00
34	C	Hexachlorobutadiene	40.000	39.734	0.7	107	0.00
35		Caprolactam	40.000	37.961	5.1	98	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.773	3.1	102	-0.01
37		2-Methylnaphthalene	40.000	38.563	3.6	102	0.00
38		1-Methylnaphthalene	40.000	38.331	4.2	102	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.016	-2.5	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.980	-9.9	96	-0.01
42	S	2,4,6-Tribromophenol	80.000	76.098	4.9	92	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.509	-1.3	97	0.00
44		2,4,5-Trichlorophenol	40.000	40.142	-0.4	96	0.00
45	S	2-Fluorobiphenyl	80.000	83.051	-3.8	100	0.00
46		1,1'-Biphenyl	40.000	41.099	-2.7	101	0.00
47		2-Chloronaphthalene	40.000	40.607	-1.5	99	0.00

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.654	-9.1	103	0.00
49		Acenaphthylene	40.000	40.520	-1.3	98	-0.01
50		Dimethylphthalate	40.000	38.736	3.2	94	0.00
51		2,6-Dinitrotoluene	40.000	40.273	-0.7	97	0.00
52	C	Acenaphthene	40.000	40.692	-1.7	99	0.00
53		3-Nitroaniline	40.000	42.098	-5.2	97	0.00
54	P	2,4-Dinitrophenol	40.000	41.506	-3.8	98	0.00
55		Dibenzofuran	40.000	39.732	0.7	97	0.00
56	P	4-Nitrophenol	40.000	42.384	-6.0	96	0.00
57		2,4-Dinitrotoluene	40.000	40.585	-1.5	97	0.00
58		Fluorene	40.000	40.369	-0.9	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.915	2.7	93	0.00
60		Diethylphthalate	40.000	38.939	2.7	95	0.00
61		4-Chlorophenyl-phenylether	40.000	38.947	2.6	95	0.00
62		4-Nitroaniline	40.000	42.620	-6.5	100	0.00
63		Azobenzene	40.000	40.775	-1.9	99	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	94	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.888	-4.7	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.033	-0.1	96	0.00
67		4-Bromophenyl-phenylether	40.000	38.931	2.7	94	0.00
68		Hexachlorobenzene	40.000	38.582	3.5	93	0.00
69		Atrazine	40.000	38.660	3.4	83	0.00
70	C	Pentachlorophenol	40.000	40.549	-1.4	93	0.00
71		Phenanthrene	40.000	39.925	0.2	97	0.00
72		Anthracene	40.000	40.371	-0.9	96	0.00
73		Carbazole	40.000	40.564	-1.4	97	0.00
74		Di-n-butylphthalate	40.000	39.557	1.1	94	0.00
75	C	Fluoranthene	40.000	40.081	-0.2	97	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	96	0.00
77		Benzidine	40.000	56.596	-41.5#	145	0.00
78		Pyrene	40.000	40.164	-0.4	97	0.00
79	S	Terphenyl-d14	80.000	80.196	-0.2	97	0.00
80		Butylbenzylphthalate	40.000	39.990	0.0	97	0.00
81		Benzo(a)anthracene	40.000	39.463	1.3	96	0.00
82		3,3'-Dichlorobenzidine	40.000	41.465	-3.7	99	0.00
83		Chrysene	40.000	39.745	0.6	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.204	2.0	96	0.00
85	c	Di-n-octyl phthalate	40.000	39.727	0.7	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	93	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.186	-0.5	96	0.00
88		Benzo(b)fluoranthene	40.000	39.572	1.1	96	0.00
89		Benzo(k)fluoranthene	40.000	41.199	-3.0	98	0.00
90	C	Benzo(a)pyrene	40.000	40.176	-0.4	96	0.00
91		Dibenzo(a,h)anthracene	40.000	40.438	-1.1	96	0.00
92		Benzo(g,h,i)perylene	40.000	39.749	0.6	95	0.00

Sample Results: **BE101575.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101575.D
Acq On : 12 Nov 2024 10:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
LabSampleId :
SSTDCCC040

Quant Time: Nov 12 11:05:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

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

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

Raw Data: **BF140366.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

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

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/14/2024 17:02

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

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

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

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

All other compounds must meet a minimum RRF of 0.010.

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	130579	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	484942	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	265027	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	494420	20.000	ng	0.00
76) Chrysene-d12	14.062	240	287889	20.000	ng	0.01
86) Perylene-d12	15.592	264	258896	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	620529	81.137	ng	0.00
7) Phenol-d6	6.504	99	824375	79.560	ng	0.00
23) Nitrobenzene-d5	7.439	82	740018	79.508	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	211524	80.260	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1304500	79.126	ng	0.00
79) Terphenyl-d14	12.986	244	1322468	79.737	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	142931	41.932	ng	99
3) Pyridine	3.398	79	341136	40.709	ng	99
4) n-Nitrosodimethylamine	3.351	42	170660	40.295	ng	98
6) Aniline	6.539	93	366954	40.711	ng	97
8) 2-Chlorophenol	6.663	128	328140	39.943	ng	97
9) Benzaldehyde	6.428	77	224764	36.193	ng	99
10) Phenol	6.516	94	438278	40.109	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	324570	39.201	ng	99
12) 1,3-Dichlorobenzene	6.816	146	361421	39.873	ng	99
13) 1,4-Dichlorobenzene	6.892	146	362191	39.407	ng	99
14) 1,2-Dichlorobenzene	7.045	146	341302	40.001	ng	99
15) Benzyl Alcohol	7.016	79	300203	40.213	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	438212	38.318	ng	98
17) 2-Methylphenol	7.122	107	269885	39.935	ng	99
18) Hexachloroethane	7.386	117	131631	38.740	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	237407	37.936	ng	99
20) 3+4-Methylphenols	7.275	107	336358	39.798	ng	99
22) Acetophenone	7.281	105	448649	39.778	ng	99
24) Nitrobenzene	7.457	77	388560	40.097	ng	100
25) Isophorone	7.692	82	641082	38.864	ng	100
26) 2-Nitrophenol	7.769	139	172692	40.158	ng	97
27) 2,4-Dimethylphenol	7.804	122	220557	40.061	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	391929	38.749	ng	99
29) 2,4-Dichlorophenol	8.010	162	272161	40.000	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	302881	39.983	ng	99
31) Naphthalene	8.175	128	978565	39.779	ng	100
32) Benzoic acid	7.916	122	192803	39.799	ng	96
33) 4-Chloroaniline	8.228	127	317418	37.102	ng	100
34) Hexachlorobutadiene	8.292	225	189276	39.216	ng	99
35) Caprolactam	8.592	113	90934	40.211	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	301671	40.008	ng	99
37) 2-Methylnaphthalene	8.869	142	623118	39.503	ng	99
38) 1-Methylnaphthalene	8.969	142	604506	39.135	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	294261	40.151	ng	99
41) Hexachlorocyclopentadiene	9.016	237	70659	37.550	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	194970	40.537	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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

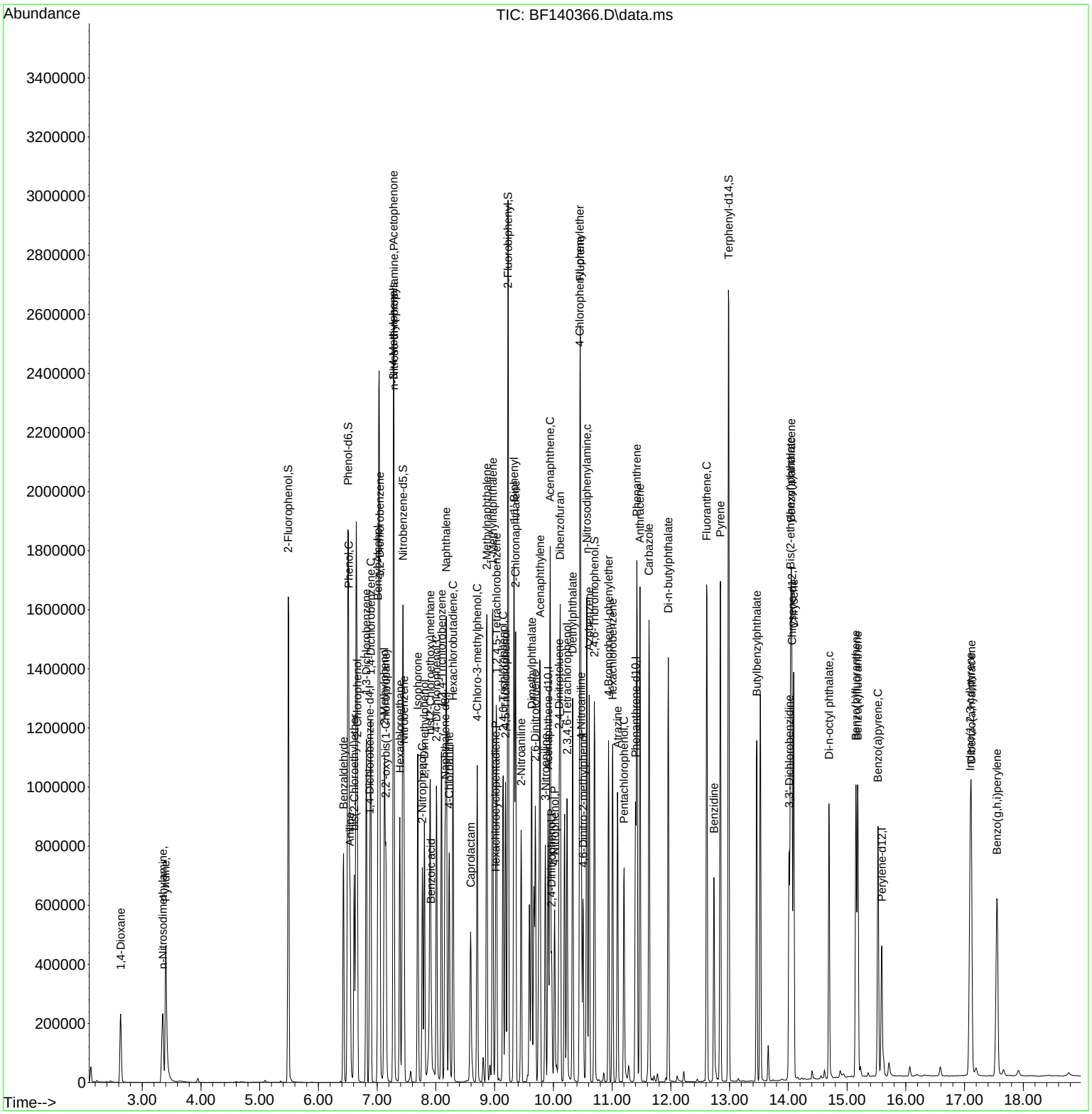
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	216613	41.193	ng	97
46) 1,1'-Biphenyl	9.333	154	777694	40.335	ng	99
47) 2-Chloronaphthalene	9.357	162	588883	40.095	ng	99
48) 2-Nitroaniline	9.451	65	198227	40.696	ng	97
49) Acenaphthylene	9.774	152	886051	39.873	ng	100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

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

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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



Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2		1,4-Dioxane	0.522	0.547	-4.8	94	0.00
3		Pyridine	1.283	1.306	-1.8	88	0.00
4		n-Nitrosodimethylamine	0.649	0.653	-0.6	88	0.00
5	S	2-Fluorophenol	1.171	1.188	-1.5	92	0.00
6		Aniline	1.381	1.405	-1.7	86	0.00
7	S	Phenol-d6	1.587	1.578	0.6	87	0.00
8		2-Chlorophenol	1.258	1.256	0.2	88	0.00
9		Benzaldehyde	0.951	0.861	9.5	86	0.00
10	C	Phenol	1.674	1.678	-0.2	86	0.00
11		bis(2-Chloroethyl)ether	1.268	1.243	2.0	87	0.00
12		1,3-Dichlorobenzene	1.388	1.384	0.3	89	0.00
13	C	1,4-Dichlorobenzene	1.408	1.387	1.5	88	0.00
14		1,2-Dichlorobenzene	1.307	1.307	0.0	90	0.00
15		Benzyl Alcohol	1.143	1.150	-0.6	84	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.678	4.2	82	0.00
17		2-Methylphenol	1.035	1.033	0.2	86	0.00
18		Hexachloroethane	0.520	0.504	3.1	87	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.909	5.2	82	0.00
20		3+4-Methylphenols	1.294	1.288	0.5	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22		Acetophenone	0.465	0.463	0.4	85	0.00
23	S	Nitrobenzene-d5	0.384	0.381	0.8	84	0.00
24		Nitrobenzene	0.400	0.401	-0.3	84	0.00
25		Isophorone	0.680	0.661	2.8	81	0.00
26	C	2-Nitrophenol	0.177	0.178	-0.6	82	0.00
27		2,4-Dimethylphenol	0.227	0.227	0.0	84	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.404	3.1	82	0.00
29	C	2,4-Dichlorophenol	0.281	0.281	0.0	84	0.00
30		1,2,4-Trichlorobenzene	0.312	0.312	0.0	85	0.00
31		Naphthalene	1.015	1.009	0.6	85	0.00
32		Benzoic acid	0.200	0.199	0.5	77	-0.01
33		4-Chloroaniline	0.353	0.327	7.4	79	0.00
34	C	Hexachlorobutadiene	0.199	0.195	2.0	83	0.00
35		Caprolactam	0.093	0.094	-1.1	84	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.311	0.0	83	0.00
37		2-Methylnaphthalene	0.651	0.642	1.4	84	0.00
38		1-Methylnaphthalene	0.637	0.623	2.2	82	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.555	-0.4	83	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.133	6.3	76	0.00
42	S	2,4,6-Tribromophenol	0.199	0.200	-0.5	82	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.368	-1.4	81	0.00
44		2,4,5-Trichlorophenol	0.397	0.409	-3.0	83	0.00
45	S	2-Fluorobiphenyl	1.244	1.231	1.0	83	0.00
46		1,1'-Biphenyl	1.455	1.467	-0.8	83	0.00
47		2-Chloronaphthalene	1.108	1.111	-0.3	83	0.00

Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.374	-1.6	81	0.00
49		Acenaphthylene	1.677	1.672	0.3	81	0.00
50		Dimethylphthalate	1.304	1.272	2.5	80	0.00
51		2,6-Dinitrotoluene	0.297	0.303	-2.0	81	0.00
52	C	Acenaphthene	1.133	1.135	-0.2	82	0.00
53		3-Nitroaniline	0.312	0.313	-0.3	80	0.00
54	P	2,4-Dinitrophenol	0.153	0.154	-0.7	83	0.00
55		Dibenzofuran	1.603	1.616	-0.8	82	0.00
56	P	4-Nitrophenol	0.228	0.236	-3.5	79	0.00
57		2,4-Dinitrotoluene	0.391	0.397	-1.5	81	0.00
58		Fluorene	1.267	1.256	0.9	83	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.320	-2.2	80	0.00
60		Diethylphthalate	1.333	1.281	3.9	79	0.00
61		4-Chlorophenyl-phenylether	0.625	0.604	3.4	79	0.00
62		4-Nitroaniline	0.319	0.328	-2.8	81	0.00
63		Azobenzene	1.317	1.270	3.6	78	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	79	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.114	-5.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.569	1.6	80	0.00
67		4-Bromophenyl-phenylether	0.200	0.193	3.5	78	0.00
68		Hexachlorobenzene	0.225	0.223	0.9	81	0.00
69		Atrazine	0.175	0.164	6.3	89	0.00
70	C	Pentachlorophenol	0.121	0.124	-2.5	77	0.00
71		Phenanthrene	0.940	0.926	1.5	81	0.00
72		Anthracene	0.921	0.905	1.7	80	0.00
73		Carbazole	0.909	0.912	-0.3	82	0.00
74		Di-n-butylphthalate	1.091	1.021	6.4	75	0.00
75	C	Fluoranthene	1.054	1.029	2.4	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	75	0.01
77		Benzidine	0.768	0.679	11.6	78	0.00
78		Pyrene	1.711	1.783	-4.2	79	0.00
79	S	Terphenyl-d14	1.152	1.148	0.3	76	0.00
80		Butylbenzylphthalate	0.657	0.642	2.3	69	0.00
81		Benzo(a)anthracene	1.314	1.308	0.5	77	0.01
82		3,3'-Dichlorobenzidine	0.418	0.409	2.2	76	0.02
83		Chrysene	1.199	1.156	3.6	74	0.01
84		Bis(2-ethylhexyl)phthalate	0.877	0.791	9.8	64	0.02
85	c	Di-n-octyl phthalate	1.235	1.083	12.3	63	0.03
86	I	Perylene-d12	1.000	1.000	0.0	80	0.04
87		Indeno(1,2,3-cd)pyrene	1.235	1.295	-4.9	83	0.04
88		Benzo(b)fluoranthene	1.308	1.240	5.2	79	0.04
89		Benzo(k)fluoranthene	1.069	1.043	2.4	79	0.03
90	C	Benzo(a)pyrene	1.016	1.000	1.6	80	0.04
91		Dibenzo(a,h)anthracene	1.021	1.058	-3.6	82	0.04
92		Benzo(g,h,i)perylene	1.044	1.108	-6.1	84	0.04

Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2		1,4-Dioxane	40.000	41.932	-4.8	94	0.00
3		Pyridine	40.000	40.709	-1.8	88	0.00
4		n-Nitrosodimethylamine	40.000	40.295	-0.7	88	0.00
5	S	2-Fluorophenol	80.000	81.137	-1.4	92	0.00
6		Aniline	40.000	40.711	-1.8	86	0.00
7	S	Phenol-d6	80.000	79.560	0.5	87	0.00
8		2-Chlorophenol	40.000	39.943	0.1	88	0.00
9		Benzaldehyde	40.000	36.193	9.5	86	0.00
10	C	Phenol	40.000	40.109	-0.3	86	0.00
11		bis(2-Chloroethyl)ether	40.000	39.201	2.0	87	0.00
12		1,3-Dichlorobenzene	40.000	39.873	0.3	89	0.00
13	C	1,4-Dichlorobenzene	40.000	39.407	1.5	88	0.00
14		1,2-Dichlorobenzene	40.000	40.001	-0.0	90	0.00
15		Benzyl Alcohol	40.000	40.213	-0.5	84	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.318	4.2	82	0.00
17		2-Methylphenol	40.000	39.935	0.2	86	0.00
18		Hexachloroethane	40.000	38.740	3.1	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.936	5.2	82	0.00
20		3+4-Methylphenols	40.000	39.798	0.5	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22		Acetophenone	40.000	39.778	0.6	85	0.00
23	S	Nitrobenzene-d5	80.000	79.508	0.6	84	0.00
24		Nitrobenzene	40.000	40.097	-0.2	84	0.00
25		Isophorone	40.000	38.864	2.8	81	0.00
26	C	2-Nitrophenol	40.000	40.158	-0.4	82	0.00
27		2,4-Dimethylphenol	40.000	40.061	-0.2	84	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.749	3.1	82	0.00
29	C	2,4-Dichlorophenol	40.000	40.000	0.0	84	0.00
30		1,2,4-Trichlorobenzene	40.000	39.983	0.0	85	0.00
31		Naphthalene	40.000	39.779	0.6	85	0.00
32		Benzoic acid	40.000	39.799	0.5	77	-0.01
33		4-Chloroaniline	40.000	37.102	7.2	79	0.00
34	C	Hexachlorobutadiene	40.000	39.216	2.0	83	0.00
35		Caprolactam	40.000	40.211	-0.5	84	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.008	-0.0	83	0.00
37		2-Methylnaphthalene	40.000	39.503	1.2	84	0.00
38		1-Methylnaphthalene	40.000	39.135	2.2	82	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	79	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.151	-0.4	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.550	6.1	76	0.00
42	S	2,4,6-Tribromophenol	80.000	80.260	-0.3	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.537	-1.3	81	0.00
44		2,4,5-Trichlorophenol	40.000	41.193	-3.0	83	0.00
45	S	2-Fluorobiphenyl	80.000	79.126	1.1	83	0.00
46		1,1'-Biphenyl	40.000	40.335	-0.8	83	0.00
47		2-Chloronaphthalene	40.000	40.095	-0.2	83	0.00

Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.696	-1.7	81	0.00
49		Acenaphthylene	40.000	39.873	0.3	81	0.00
50		Dimethylphthalate	40.000	39.043	2.4	80	0.00
51		2,6-Dinitrotoluene	40.000	40.717	-1.8	81	0.00
52	C	Acenaphthene	40.000	40.074	-0.2	82	0.00
53		3-Nitroaniline	40.000	40.079	-0.2	80	0.00
54	P	2,4-Dinitrophenol	40.000	40.067	-0.2	83	0.00
55		Dibenzofuran	40.000	40.313	-0.8	82	0.00
56	P	4-Nitrophenol	40.000	41.437	-3.6	79	0.00
57		2,4-Dinitrotoluene	40.000	40.596	-1.5	81	0.00
58		Fluorene	40.000	39.655	0.9	83	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.828	-2.1	80	0.00
60		Diethylphthalate	40.000	38.443	3.9	79	0.00
61		4-Chlorophenyl-phenylether	40.000	38.659	3.4	79	0.00
62		4-Nitroaniline	40.000	41.121	-2.8	81	0.00
63		Azobenzene	40.000	38.567	3.6	78	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	79	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.223	-5.6	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.354	1.6	80	0.00
67		4-Bromophenyl-phenylether	40.000	38.665	3.3	78	0.00
68		Hexachlorobenzene	40.000	39.648	0.9	81	0.00
69		Atrazine	40.000	37.433	6.4	89	0.00
70	C	Pentachlorophenol	40.000	40.991	-2.5	77	0.00
71		Phenanthrene	40.000	39.434	1.4	81	0.00
72		Anthracene	40.000	39.328	1.7	80	0.00
73		Carbazole	40.000	40.121	-0.3	82	0.00
74		Di-n-butylphthalate	40.000	37.443	6.4	75	0.00
75	C	Fluoranthene	40.000	39.064	2.3	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	75	0.01
77		Benzidine	40.000	35.395	11.5	78	0.00
78		Pyrene	40.000	41.696	-4.2	79	0.00
79	S	Terphenyl-d14	80.000	79.737	0.3	76	0.00
80		Butylbenzylphthalate	40.000	39.065	2.3	69	0.00
81		Benzo(a)anthracene	40.000	39.818	0.5	77	0.01
82		3,3'-Dichlorobenzidine	40.000	39.116	2.2	76	0.02
83		Chrysene	40.000	38.550	3.6	74	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	36.092	9.8	64	0.02
85	c	Di-n-octyl phthalate	40.000	35.080	12.3	63	0.03
86	I	Perylene-d12	20.000	20.000	0.0	80	0.04
87		Indeno(1,2,3-cd)pyrene	40.000	41.918	-4.8	83	0.04
88		Benzo(b)fluoranthene	40.000	37.914	5.2	79	0.04
89		Benzo(k)fluoranthene	40.000	39.052	2.4	79	0.03
90	C	Benzo(a)pyrene	40.000	39.374	1.6	80	0.04
91		Dibenzo(a,h)anthracene	40.000	41.429	-3.6	82	0.04
92		Benzo(g,h,i)perylene	40.000	42.441	-6.1	84	0.04

Sample Results: **BF140366.D**

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

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

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

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

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

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

Raw Data: **BF140391.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.174		0.3	
Benzaldehyde	0.951	0.866		-8.9	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.610		-3.8	20.0
bis(2-Chloroethyl)ether	1.268	1.224		-3.5	
2-Chlorophenol	1.258	1.239		-1.5	
2-Methylphenol	1.035	0.992		-4.2	
2,2-oxybis(1-Chloropropane)	1.752	1.582		-9.7	
Acetophenone	0.465	0.462		-0.6	
3+4-Methylphenols	1.295	1.266		-2.2	
n-Nitroso-di-n-propylamine	0.959	0.883	0.050	-7.9	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.507		-2.5	
Nitrobenzene	0.400	0.397		-0.8	
Isophorone	0.680	0.646		-5.0	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.221		-2.6	
bis(2-Chloroethoxy)methane	0.417	0.394		-5.5	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	1.007		-0.8	
4-Chloroaniline	0.353	0.334		-5.4	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.633		-2.8	
Hexachlorocyclopentadiene	0.142	0.122	0.050	-14.1	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.225		-1.5	
2,4,5-Trichlorophenol	0.397	0.403		1.5	
1,1-Biphenyl	1.455	1.438		-1.2	
2-Chloronaphthalene	1.108	1.095		-1.2	
2-Nitroaniline	0.368	0.371		0.8	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.677		0.0	
2,6-Dinitrotoluene	0.297	0.302		1.7	
3-Nitroaniline	0.312	0.312		0.0	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.595		-0.5	
2,4-Dinitrotoluene	0.391	0.402		2.8	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.612		-2.1	
Fluorene	1.267	1.257		-0.8	
4-Nitroaniline	0.319	0.335		5.0	
4,6-Dinitro-2-methylphenol	0.108	0.116		7.4	
n-Nitrosodiphenylamine	0.578	0.566		-2.1	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.225		0.0	
Atrazine	0.175	0.155		-11.4	
Pentachlorophenol	0.121	0.117		-3.3	20.0
Phenanthrene	0.940	0.915		-2.7	
Anthracene	0.921	0.914		-0.8	
Carbazole	0.909	0.920		1.2	
Di-n-butylphthalate	1.091	1.028		-5.8	
Fluoranthene	1.054	1.039		-1.4	20.0
Pyrene	1.711	1.790		4.6	
Terphenyl-d14	1.152	1.158		0.5	
Butylbenzylphthalate	0.657	0.675		2.7	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo(a)anthracene	1.314	1.279		-2.7	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.861		-1.8	
Di-n-octyl phthalate	1.235	1.164		-5.7	20.0
Benzo(b)fluoranthene	1.308	1.193		-8.8	
Benzo(k)fluoranthene	1.069	1.073		0.4	
Benzo(a)pyrene	1.016	1.005		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.249		1.1	
Dibenzo(a,h)anthracene	1.021	1.024		0.3	
Benzo(g,h,i)perylene	1.044	1.073		2.8	
1,2,4,5-Tetrachlorobenzene	0.553	0.546		-1.3	
1,4-Dioxane	0.522	0.518		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.312		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	137586	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	510501	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	282269	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	532450	20.000	ng		0.00
76) Chrysene-d12	14.063	240	316907	20.000	ng		0.01
86) Perylene-d12	15.574	264	286665	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	645906	80.154	ng		0.02
7) Phenol-d6	6.522	99	842168	77.138	ng		0.02
23) Nitrobenzene-d5	7.439	82	777839	79.388	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	223500	79.624	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1383177	78.773	ng		0.00
79) Terphenyl-d14	12.992	244	1467568	80.383	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	142524	39.683	ng		99
3) Pyridine	3.410	79	355585	40.272	ng		100
4) n-Nitrosodimethylamine	3.363	42	175089	39.235	ng		100
6) Aniline	6.545	93	345718	36.401	ng	#	48
8) 2-Chlorophenol	6.669	128	341050	39.400	ng		99
9) Benzaldehyde	6.428	77	238171	36.399	ng		100
10) Phenol	6.539	94	443150	38.489	ng	#	73
11) bis(2-Chloroethyl)ether	6.610	93	336686	38.594	ng		99
12) 1,3-Dichlorobenzene	6.822	146	378509	39.632	ng		99
13) 1,4-Dichlorobenzene	6.898	146	387724	40.037	ng		99
14) 1,2-Dichlorobenzene	7.051	146	358382	39.863	ng		100
15) Benzyl Alcohol	7.022	79	305050	38.782	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	435241	36.120	ng		62
17) 2-Methylphenol	7.139	107	273053	38.346	ng	#	93
18) Hexachloroethane	7.386	117	139622	38.999	ng		98
19) n-Nitroso-di-n-propyla...	7.286	70	242899	36.837	ng		99
20) 3+4-Methylphenols	7.292	107	348503	39.135	ng		98
22) Acetophenone	7.286	105	471910	39.746	ng		98
24) Nitrobenzene	7.463	77	404843	39.685	ng		99
25) Isophorone	7.698	82	659463	37.977	ng		99
26) 2-Nitrophenol	7.775	139	183342	40.500	ng		98
27) 2,4-Dimethylphenol	7.816	122	225457m	38.901	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	402489	37.800	ng		99
29) 2,4-Dichlorophenol	8.022	162	285923	39.919	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	315622	39.579	ng		100
31) Naphthalene	8.181	128	1028026	39.697	ng		100
32) Benzoic acid	7.934	122	214457	42.052	ng		96
33) 4-Chloroaniline	8.233	127	340749	37.835	ng		99
34) Hexachlorobutadiene	8.292	225	200748	39.511	ng		98
35) Caprolactam	8.598	113	96224	40.419	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	316665	39.894	ng		98
37) 2-Methylnaphthalene	8.869	142	646451	38.930	ng		100
38) 1-Methylnaphthalene	8.969	142	631921	38.862	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	307958	39.453	ng		99
41) Hexachlorocyclopentadiene	9.022	237	68792	34.325	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	207526	40.512	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227545	40.628	ng	98
46) 1,1'-Biphenyl	9.333	154	811589	39.522	ng	99
47) 2-Chloronaphthalene	9.363	162	618193	39.519	ng	99
48) 2-Nitroaniline	9.457	65	209611	40.405	ng	97
49) Acenaphthylene	9.780	152	946507	39.992	ng	100
50) Dimethylphthalate	9.633	163	718203	39.036	ng	99
51) 2,6-Dinitrotoluene	9.698	165	170409	40.628	ng	99
52) Acenaphthene	9.951	154	634430	39.688	ng	100
53) 3-Nitroaniline	9.875	138	176253	40.013	ng	98
54) 2,4-Dinitrophenol	9.980	184	83401	38.558	ng	97
55) Dibenzofuran	10.122	168	900455	39.791	ng	100
56) 4-Nitrophenol	10.045	139	133026	41.402	ng	97
57) 2,4-Dinitrotoluene	10.104	165	226868	41.097	ng	99
58) Fluorene	10.469	166	709723	39.701	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	176290	39.865	ng	99
60) Diethylphthalate	10.333	149	729288	38.764	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	345585	39.157	ng	98
62) 4-Nitroaniline	10.486	138	189032	41.970	ng	99
63) Azobenzene	10.616	77	710719	38.234	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	123344	43.056	ng	96
66) n-Nitrosodiphenylamine	10.575	169	602930	39.191	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	205033	38.522	ng	97
68) Hexachlorobenzene	11.016	284	239911	40.062	ng	97
69) Atrazine	11.104	200	165528	35.563	ng	99
70) Pentachlorophenol	11.216	266	125086	38.777	ng	99
71) Phenanthrene	11.427	178	973993	38.941	ng	100
72) Anthracene	11.480	178	973208	39.701	ng	100
73) Carbazole	11.639	167	979587	40.471	ng	100
74) Di-n-butylphthalate	11.963	149	1094325	37.669	ng	100
75) Fluoranthene	12.621	202	1106665	39.437	ng	100
77) Benzidine	12.745	184	417263	34.306	ng	98
78) Pyrene	12.851	202	1134803	41.863	ng	100
80) Butylbenzylphthalate	13.463	149	427850	41.087	ng	98
81) Benzo(a)anthracene	14.051	228	810541	38.916	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	269418	40.697	ng	100
83) Chrysene	14.092	228	757510	39.861	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	545578	39.252	ng	100
85) Di-n-octyl phthalate	14.674	149	737911	37.695	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	716330	40.452	ng	100
88) Benzo(b)fluoranthene	15.139	252	684079	36.480	ng	99
89) Benzo(k)fluoranthene	15.168	252	615340	40.168	ng	99
90) Benzo(a)pyrene	15.509	252	576074	39.559	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	586986	40.102	ng	100
92) Benzo(g,h,i)perylene	17.545	276	615070	41.103	ng	100

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

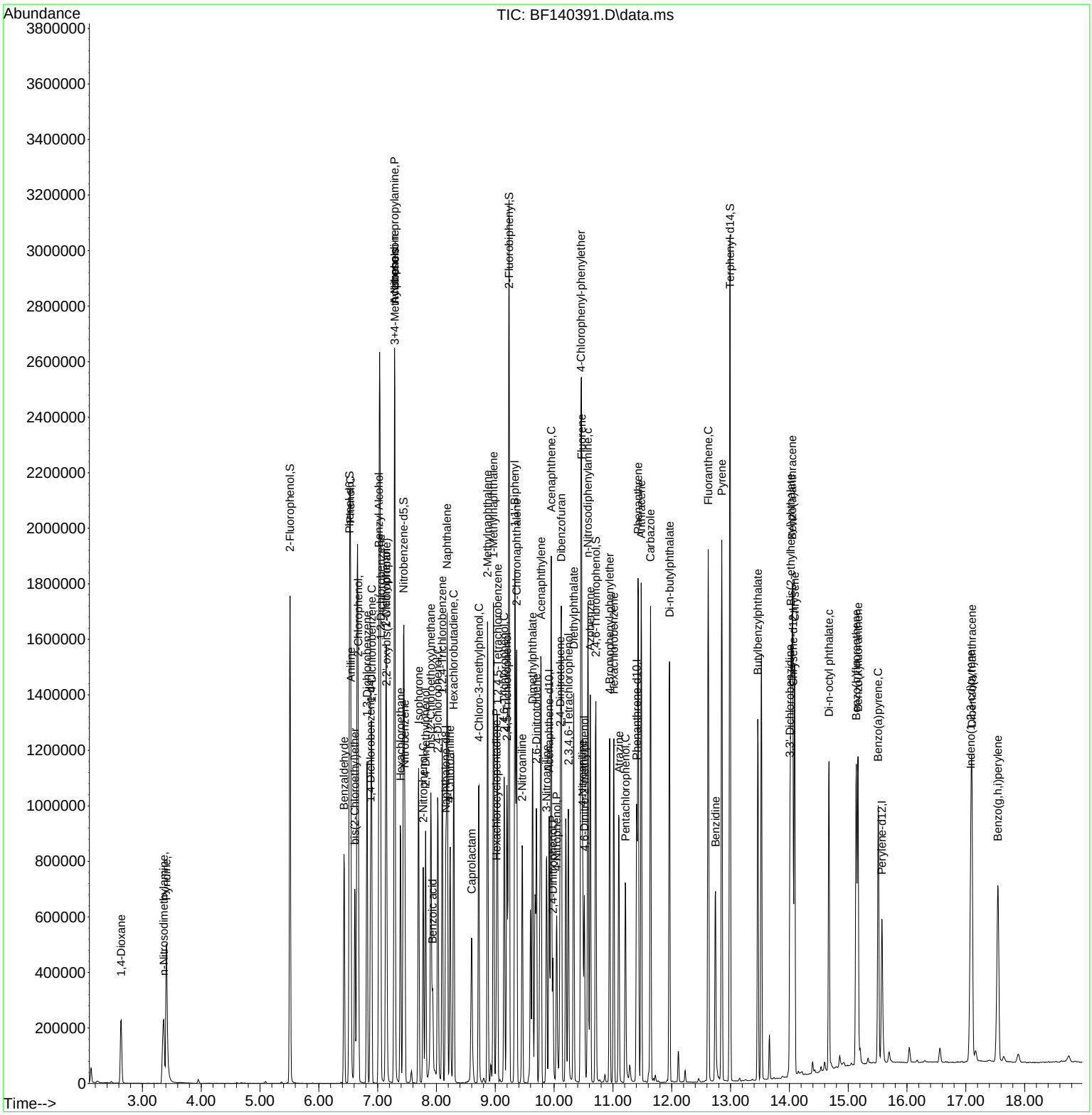
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



Sample Results: **BF140391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
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Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.522	0.518	0.8	94	0.00
3		Pyridine	1.283	1.292	-0.7	92	0.00
4		n-Nitrosodimethylamine	0.649	0.636	2.0	90	0.00
5	S	2-Fluorophenol	1.171	1.174	-0.3	95	0.02
6		Aniline	1.381	1.256	9.1	81	0.00
7	S	Phenol-d6	1.587	1.530	3.6	89	0.02
8		2-Chlorophenol	1.258	1.239	1.5	92	0.00
9		Benzaldehyde	0.951	0.866	8.9	91	0.00
10	C	Phenol	1.674	1.610	3.8	87	0.02
11		bis(2-Chloroethyl)ether	1.268	1.224	3.5	91	0.00
12		1,3-Dichlorobenzene	1.388	1.376	0.9	94	0.00
13	C	1,4-Dichlorobenzene	1.408	1.409	-0.1	95	0.00
14		1,2-Dichlorobenzene	1.307	1.302	0.4	94	0.00
15		Benzyl Alcohol	1.143	1.109	3.0	86	0.00
16		2,2'-oxybis(1-Chloropropane	1.752	1.582	9.7	81	0.00
17		2-Methylphenol	1.035	0.992	4.2	87	0.01
18		Hexachloroethane	0.520	0.507	2.5	92	0.00
19	P	n-Nitroso-di-n-propylamine	0.959	0.883	7.9	84	0.00
20		3+4-Methylphenols	1.294	1.266	2.2	88	0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.465	0.462	0.6	89	0.00
23	S	Nitrobenzene-d5	0.384	0.381	0.8	88	0.00
24		Nitrobenzene	0.400	0.397	0.8	87	0.00
25		Isophorone	0.680	0.646	5.0	83	0.00
26	C	2-Nitrophenol	0.177	0.180	-1.7	87	0.00
27		2,4-Dimethylphenol	0.227	0.221	2.6	86	0.00
28		bis(2-Chloroethoxy)methane	0.417	0.394	5.5	84	0.00
29	C	2,4-Dichlorophenol	0.281	0.280	0.4	88	0.00
30		1,2,4-Trichlorobenzene	0.312	0.309	1.0	89	0.00
31		Naphthalene	1.015	1.007	0.8	89	0.00
32		Benzoic acid	0.200	0.210	-5.0	86	0.00
33		4-Chloroaniline	0.353	0.334	5.4	85	0.00
34	C	Hexachlorobutadiene	0.199	0.197	1.0	88	0.00
35		Caprolactam	0.093	0.094	-1.1	89	0.00
36	C	4-Chloro-3-methylphenol	0.311	0.310	0.3	87	0.02
37		2-Methylnaphthalene	0.651	0.633	2.8	87	0.00
38		1-Methylnaphthalene	0.637	0.619	2.8	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.546	1.3	87	0.00
41	P	Hexachlorocyclopentadiene	0.142	0.122	14.1	74	0.00
42	S	2,4,6-Tribromophenol	0.199	0.198	0.5	87	0.00
43	C	2,4,6-Trichlorophenol	0.363	0.368	-1.4	86	0.00
44		2,4,5-Trichlorophenol	0.397	0.403	-1.5	87	0.01
45	S	2-Fluorobiphenyl	1.244	1.225	1.5	88	0.00
46		1,1'-Biphenyl	1.455	1.438	1.2	86	0.00
47		2-Chloronaphthalene	1.108	1.095	1.2	87	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.368	0.371	-0.8	86	0.00
49		Acenaphthylene	1.677	1.677	0.0	86	0.00
50		Dimethylphthalate	1.304	1.272	2.5	85	0.00
51		2,6-Dinitrotoluene	0.297	0.302	-1.7	86	0.00
52	C	Acenaphthene	1.133	1.124	0.8	87	0.00
53		3-Nitroaniline	0.312	0.312	0.0	85	0.00
54	P	2,4-Dinitrophenol	0.153	0.148	3.3	85	0.00
55		Dibenzofuran	1.603	1.595	0.5	86	0.00
56	P	4-Nitrophenol	0.228	0.236	-3.5	84	0.02
57		2,4-Dinitrotoluene	0.391	0.402	-2.8	88	0.00
58		Fluorene	1.267	1.257	0.8	88	0.00
59		2,3,4,6-Tetrachlorophenol	0.313	0.312	0.3	83	0.00
60		Diethylphthalate	1.333	1.292	3.1	85	0.00
61		4-Chlorophenyl-phenylether	0.625	0.612	2.1	86	0.00
62		4-Nitroaniline	0.319	0.335	-5.0	88	0.00
63		Azobenzene	1.317	1.259	4.4	82	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	0.108	0.116	-7.4	90	0.00
66	c	n-Nitrosodiphenylamine	0.578	0.566	2.1	86	0.00
67		4-Bromophenyl-phenylether	0.200	0.193	3.5	84	0.00
68		Hexachlorobenzene	0.225	0.225	0.0	88	0.00
69		Atrazine	0.175	0.155	11.4	91	0.00
70	C	Pentachlorophenol	0.121	0.117	3.3	78	0.01
71		Phenanthrene	0.940	0.915	2.7	86	0.00
72		Anthracene	0.921	0.914	0.8	87	0.00
73		Carbazole	0.909	0.920	-1.2	89	0.00
74		Di-n-butylphthalate	1.091	1.028	5.8	81	0.00
75	C	Fluoranthene	1.054	1.039	1.4	86	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	82	0.01
77		Benzidine	0.768	0.658	14.3	83	0.01
78		Pyrene	1.711	1.790	-4.6	88	0.00
79	S	Terphenyl-d14	1.152	1.158	-0.5	85	0.00
80		Butylbenzylphthalate	0.657	0.675	-2.7	80	0.00
81		Benzo(a)anthracene	1.314	1.279	2.7	83	0.01
82		3,3'-Dichlorobenzidine	0.418	0.425	-1.7	87	0.01
83		Chrysene	1.199	1.195	0.3	84	0.01
84		Bis(2-ethylhexyl)phthalate	0.877	0.861	1.8	76	0.00
85	c	Di-n-octyl phthalate	1.235	1.164	5.7	74	0.01
86	I	Perylene-d12	1.000	1.000	0.0	89	0.02
87		Indeno(1,2,3-cd)pyrene	1.235	1.249	-1.1	88	0.03
88		Benzo(b)fluoranthene	1.308	1.193	8.8	84	0.02
89		Benzo(k)fluoranthene	1.069	1.073	-0.4	90	0.02
90	C	Benzo(a)pyrene	1.016	1.005	1.1	89	0.02
91		Dibenzo(a,h)anthracene	1.021	1.024	-0.3	88	0.03
92		Benzo(g,h,i)perylene	1.044	1.073	-2.8	90	0.03

Sample Results: **BF140391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF140391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2		1,4-Dioxane	40.000	39.683	0.8	94	0.00
3		Pyridine	40.000	40.272	-0.7	92	0.00
4		n-Nitrosodimethylamine	40.000	39.235	1.9	90	0.00
5	S	2-Fluorophenol	80.000	80.154	-0.2	95	0.02
6		Aniline	40.000	36.401	9.0	81	0.00
7	S	Phenol-d6	80.000	77.138	3.6	89	0.02
8		2-Chlorophenol	40.000	39.400	1.5	92	0.00
9		Benzaldehyde	40.000	36.399	9.0	91	0.00
10	C	Phenol	40.000	38.489	3.8	87	0.02
11		bis(2-Chloroethyl)ether	40.000	38.594	3.5	91	0.00
12		1,3-Dichlorobenzene	40.000	39.632	0.9	94	0.00
13	C	1,4-Dichlorobenzene	40.000	40.037	-0.1	95	0.00
14		1,2-Dichlorobenzene	40.000	39.863	0.3	94	0.00
15		Benzyl Alcohol	40.000	38.782	3.0	86	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.120	9.7	81	0.00
17		2-Methylphenol	40.000	38.346	4.1	87	0.01
18		Hexachloroethane	40.000	38.999	2.5	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.837	7.9	84	0.00
20		3+4-Methylphenols	40.000	39.135	2.2	88	0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	39.746	0.6	89	0.00
23	S	Nitrobenzene-d5	80.000	79.388	0.8	88	0.00
24		Nitrobenzene	40.000	39.685	0.8	87	0.00
25		Isophorone	40.000	37.977	5.1	83	0.00
26	C	2-Nitrophenol	40.000	40.500	-1.3	87	0.00
27		2,4-Dimethylphenol	40.000	38.901	2.7	86	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.800	5.5	84	0.00
29	C	2,4-Dichlorophenol	40.000	39.919	0.2	88	0.00
30		1,2,4-Trichlorobenzene	40.000	39.579	1.1	89	0.00
31		Naphthalene	40.000	39.697	0.8	89	0.00
32		Benzoic acid	40.000	42.052	-5.1	86	0.00
33		4-Chloroaniline	40.000	37.835	5.4	85	0.00
34	C	Hexachlorobutadiene	40.000	39.511	1.2	88	0.00
35		Caprolactam	40.000	40.419	-1.0	89	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.894	0.3	87	0.02
37		2-Methylnaphthalene	40.000	38.930	2.7	87	0.00
38		1-Methylnaphthalene	40.000	38.862	2.8	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	84	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.453	1.4	87	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.325	14.2	74	0.00
42	S	2,4,6-Tribromophenol	80.000	79.624	0.5	87	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.512	-1.3	86	0.00
44		2,4,5-Trichlorophenol	40.000	40.628	-1.6	87	0.01
45	S	2-Fluorobiphenyl	80.000	78.773	1.5	88	0.00
46		1,1'-Biphenyl	40.000	39.522	1.2	86	0.00
47		2-Chloronaphthalene	40.000	39.519	1.2	87	0.00

Sample Results: **BF140391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.405	-1.0	86	0.00
49		Acenaphthylene	40.000	39.992	0.0	86	0.00
50		Dimethylphthalate	40.000	39.036	2.4	85	0.00
51		2,6-Dinitrotoluene	40.000	40.628	-1.6	86	0.00
52	C	Acenaphthene	40.000	39.688	0.8	87	0.00
53		3-Nitroaniline	40.000	40.013	-0.0	85	0.00
54	P	2,4-Dinitrophenol	40.000	38.558	3.6	85	0.00
55		Dibenzofuran	40.000	39.791	0.5	86	0.00
56	P	4-Nitrophenol	40.000	41.402	-3.5	84	0.02
57		2,4-Dinitrotoluene	40.000	41.097	-2.7	88	0.00
58		Fluorene	40.000	39.701	0.7	88	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.865	0.3	83	0.00
60		Diethylphthalate	40.000	38.764	3.1	85	0.00
61		4-Chlorophenyl-phenylether	40.000	39.157	2.1	86	0.00
62		4-Nitroaniline	40.000	41.970	-4.9	88	0.00
63		Azobenzene	40.000	38.234	4.4	82	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	85	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.056	-7.6	90	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.191	2.0	86	0.00
67		4-Bromophenyl-phenylether	40.000	38.522	3.7	84	0.00
68		Hexachlorobenzene	40.000	40.062	-0.2	88	0.00
69		Atrazine	40.000	35.563	11.1	91	0.00
70	C	Pentachlorophenol	40.000	38.777	3.1	78	0.01
71		Phenanthrene	40.000	38.941	2.6	86	0.00
72		Anthracene	40.000	39.701	0.7	87	0.00
73		Carbazole	40.000	40.471	-1.2	89	0.00
74		Di-n-butylphthalate	40.000	37.669	5.8	81	0.00
75	C	Fluoranthene	40.000	39.437	1.4	86	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	82	0.01
77		Benzidine	40.000	34.306	14.2	83	0.01
78		Pyrene	40.000	41.863	-4.7	88	0.00
79	S	Terphenyl-d14	80.000	80.383	-0.5	85	0.00
80		Butylbenzylphthalate	40.000	41.087	-2.7	80	0.00
81		Benzo(a)anthracene	40.000	38.916	2.7	83	0.01
82		3,3'-Dichlorobenzidine	40.000	40.697	-1.7	87	0.01
83		Chrysene	40.000	39.861	0.3	84	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	39.252	1.9	76	0.00
85	c	Di-n-octyl phthalate	40.000	37.695	5.8	74	0.01
86	I	Perylene-d12	20.000	20.000	0.0	89	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	40.452	-1.1	88	0.03
88		Benzo(b)fluoranthene	40.000	36.480	8.8	84	0.02
89		Benzo(k)fluoranthene	40.000	40.168	-0.4	90	0.02
90	C	Benzo(a)pyrene	40.000	39.559	1.1	89	0.02
91		Dibenzo(a,h)anthracene	40.000	40.102	-0.3	88	0.03
92		Benzo(g,h,i)perylene	40.000	41.103	-2.8	90	0.03

Sample Results: **BF140391.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140391.D
Acq On : 15 Nov 2024 09:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 15 10:44:42 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.119		-4.5	
Benzaldehyde	0.820	0.779		-5.0	
Phenol-d6	1.550	1.507		-2.8	
Phenol	1.583	1.586		0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.180		-2.6	
2-Chlorophenol	1.261	1.243		-1.4	
2-Methylphenol	1.010	0.988		-2.2	
2,2-oxybis(1-Chloropropane)	1.431	1.423		-0.6	
Acetophenone	0.488	0.461		-5.5	
3+4-Methylphenols	1.298	1.252		-3.5	
n-Nitroso-di-n-propylamine	0.916	0.880	0.050	-3.9	
Nitrobenzene-d5	0.391	0.377		-3.6	
Hexachloroethane	0.536	0.520		-3.0	
Nitrobenzene	0.404	0.386		-4.5	
Isophorone	0.652	0.631		-3.2	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.218		1.9	
bis(2-Chloroethoxy)methane	0.397	0.394		-0.8	
2,4-Dichlorophenol	0.284	0.282		-0.7	20.0
Naphthalene	1.030	1.017		-1.3	
4-Chloroaniline	0.308	0.331		7.5	
Hexachlorobutadiene	0.215	0.212		-1.4	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.650		-0.6	
Hexachlorocyclopentadiene	0.107	0.100	0.050	-6.5	
2,4,6-Trichlorophenol	0.367	0.368		0.3	20.0
2-Fluorobiphenyl	1.342	1.315		-2.0	
2,4,5-Trichlorophenol	0.399	0.405		1.5	
1,1-Biphenyl	1.493	1.483		-0.7	
2-Chloronaphthalene	1.131	1.133		0.2	
2-Nitroaniline	0.363	0.361		-0.6	
Dimethylphthalate	1.317	1.305		-0.9	
Acenaphthylene	1.710	1.718		0.5	
2,6-Dinitrotoluene	0.299	0.304		1.7	
3-Nitroaniline	0.292	0.298		2.1	
Acenaphthene	1.086	1.091		0.5	20.0
2,4-Dinitrophenol	0.122	0.127	0.050	4.1	
4-Nitrophenol	0.199	0.190	0.050	-4.5	

Raw Data: **BF140590.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

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

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.654		-0.2	
2,4-Dinitrotoluene	0.397	0.407		2.5	
Diethylphthalate	1.338	1.312		-1.9	
4-Chlorophenyl-phenylether	0.653	0.649		-0.6	
Fluorene	1.330	1.315		-1.1	
4-Nitroaniline	0.306	0.308		0.7	
4,6-Dinitro-2-methylphenol	0.102	0.105		2.9	
n-Nitrosodiphenylamine	0.591	0.579		-2.0	20.0
2,4,6-Tribromophenol	0.214	0.210		-1.9	
4-Bromophenyl-phenylether	0.206	0.203		-1.5	
Hexachlorobenzene	0.238	0.233		-2.1	
Atrazine	0.166	0.168		1.2	
Pentachlorophenol	0.105	0.110		4.8	20.0
Phenanthrene	0.961	0.960		-0.1	
Anthracene	0.940	0.932		-0.9	
Carbazole	0.905	0.906		0.1	
Di-n-butylphthalate	1.044	1.047		0.3	
Fluoranthene	1.044	1.089		4.3	20.0
Pyrene	1.849	1.784		-3.5	
Terphenyl-d14	1.284	1.204		-6.2	
Butylbenzylphthalate	0.666	0.675		1.4	
3,3-Dichlorobenzidine	0.397	0.378		-4.8	
Benzo(a)anthracene	1.324	1.309		-1.1	
Chrysene	1.211	1.194		-1.4	
Bis(2-ethylhexyl)phthalate	0.841	0.854		1.5	
Di-n-octyl phthalate	1.150	1.214		5.6	20.0
Benzo(b)fluoranthene	1.256	1.296		3.2	
Benzo(k)fluoranthene	1.099	1.007		-8.4	
Benzo(a)pyrene	1.021	1.000		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.273		-2.3	
Dibenzo(a,h)anthracene	1.067	1.042		-2.3	
Benzo(g,h,i)perylene	1.089	1.078		-1.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.586		0.0	
1,4-Dioxane	0.493	0.469		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.320		4.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	105131	20.000	ng		0.00
21) Naphthalene-d8	8.151	136	390145	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	212616	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	399326	20.000	ng		0.00
76) Chrysene-d12	14.051	240	244297	20.000	ng		0.00
86) Perylene-d12	15.545	264	211888	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	470615	76.378	ng		0.00
7) Phenol-d6	6.510	99	633777	77.804	ng		0.00
23) Nitrobenzene-d5	7.434	82	587615	77.040	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	178367	78.440	ng		0.00
45) 2-Fluorobiphenyl	9.228	172	1118753	78.399	ng		0.00
79) Terphenyl-d14	12.980	244	1176908	75.015	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	98712	38.103	ng		97
3) Pyridine	3.416	79	236295	41.455	ng		99
4) n-Nitrosodimethylamine	3.369	42	119549	35.685	ng		94
6) Aniline	6.540	93	259443	45.250	ng	#	74
8) 2-Chlorophenol	6.663	128	261308	39.419	ng		97
9) Benzaldehyde	6.422	77	163823	37.990	ng		97
10) Phenol	6.528	94	333559	40.096	ng		99
11) bis(2-Chloroethyl)ether	6.610	93	248111	38.975	ng		99
12) 1,3-Dichlorobenzene	6.810	146	290542	39.006	ng		100
13) 1,4-Dichlorobenzene	6.887	146	294081	38.992	ng		99
14) 1,2-Dichlorobenzene	7.045	146	276053	39.061	ng		99
15) Benzyl Alcohol	7.016	79	237020	39.236	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.145	45	299235	39.789	ng		85
17) 2-Methylphenol	7.128	107	207834	39.166	ng		96
18) Hexachloroethane	7.381	117	109405	38.839	ng		98
19) n-Nitroso-di-n-propyla...	7.281	70	185130	38.455	ng		98
20) 3+4-Methylphenols	7.281	107	263244	38.595	ng		97
22) Acetophenone	7.281	105	359944	37.843	ng		99
24) Nitrobenzene	7.457	77	300910	38.171	ng		98
25) Isophorone	7.692	82	492431	38.707	ng		100
26) 2-Nitrophenol	7.769	139	140623	40.253	ng		98
27) 2,4-Dimethylphenol	7.804	122	169792m	40.621	ng		
28) bis(2-Chloroethoxy)met...	7.898	93	307613	39.691	ng		100
29) 2,4-Dichlorophenol	8.016	162	219962	39.714	ng		98
30) 1,2,4-Trichlorobenzene	8.092	180	249413	39.440	ng		99
31) Naphthalene	8.175	128	793741	39.498	ng		99
32) Benzoic acid	7.928	122	139453	39.786	ng		98
33) 4-Chloroaniline	8.222	127	258045	42.887	ng		99
34) Hexachlorobutadiene	8.287	225	165048	39.404	ng		99
35) Caprolactam	8.598	113	70356	41.047	ng		97
36) 4-Chloro-3-methylphenol	8.710	107	244946	39.500	ng		100
37) 2-Methylnaphthalene	8.863	142	507122	39.730	ng		99
38) 1-Methylnaphthalene	8.963	142	497021	39.726	ng		100
40) 1,2,4,5-Tetrachloroben...	9.034	216	249192	40.035	ng		99
41) Hexachlorocyclopentadiene	9.016	237	42528	34.918	ng		98
43) 2,4,6-Trichlorophenol	9.145	196	156306	40.020	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

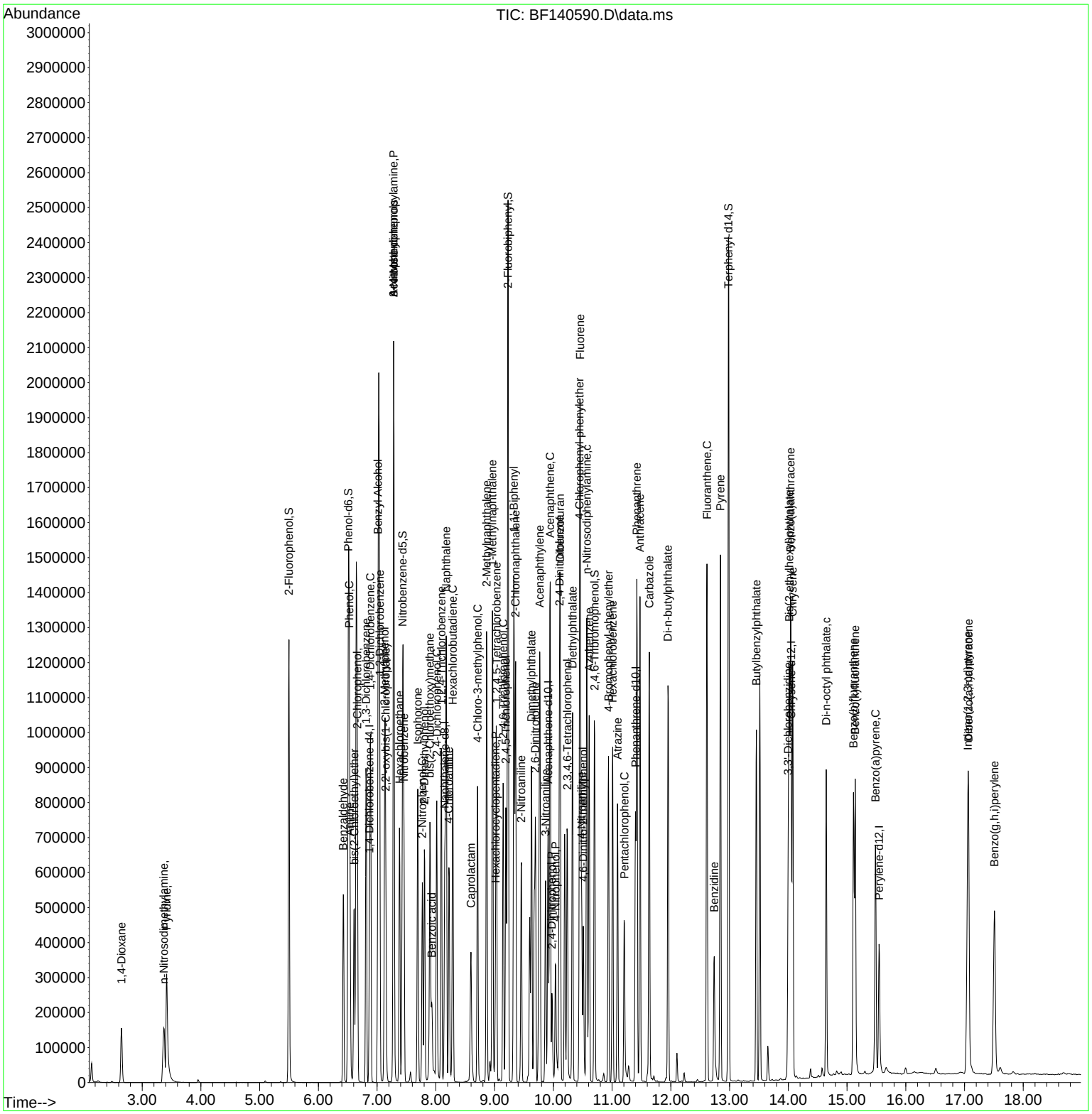
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	172363	40.663	ng	97
46) 1,1'-Biphenyl	9.328	154	630797	39.737	ng	100
47) 2-Chloronaphthalene	9.357	162	481726	40.050	ng	99
48) 2-Nitroaniline	9.451	65	153300	39.707	ng	99
49) Acenaphthylene	9.769	152	730688	40.206	ng	100
50) Dimethylphthalate	9.628	163	554938	39.631	ng	100
51) 2,6-Dinitrotoluene	9.692	165	129116	40.657	ng	98
52) Acenaphthene	9.945	154	463893	40.173	ng	99
53) 3-Nitroaniline	9.869	138	126708	40.794	ng	95
54) 2,4-Dinitrophenol	9.975	184	54066	37.481	ng	99
55) Dibenzofuran	10.116	168	703450	39.938	ng	100
56) 4-Nitrophenol	10.039	139	80992	38.234	ng	90
57) 2,4-Dinitrotoluene	10.104	165	173064	41.004	ng	97
58) Fluorene	10.457	166	559305	39.561	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	136090	41.775	ng	95
60) Diethylphthalate	10.328	149	558054	39.225	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	276169	39.804	ng	99
62) 4-Nitroaniline	10.481	138	130860	40.170	ng	96
63) Azobenzene	10.610	77	535875	39.774	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	83926	41.129	ng	98
66) n-Nitrosodiphenylamine	10.569	169	462410	39.157	ng	100
67) 4-Bromophenyl-phenylether	10.939	248	162115	39.421	ng	98
68) Hexachlorobenzene	11.010	284	186412	39.147	ng	99
69) Atrazine	11.092	200	134171	40.387	ng	99
70) Pentachlorophenol	11.210	266	87978	41.979	ng	100
71) Phenanthrene	11.422	178	766734	39.944	ng	99
72) Anthracene	11.475	178	744369	39.643	ng	99
73) Carbazole	11.633	167	723289	40.042	ng	100
74) Di-n-butylphthalate	11.951	149	836498	40.112	ng	100
75) Fluoranthene	12.616	202	869668	41.729	ng	99
77) Benzidine	12.739	184	240586	33.872	ng	99
78) Pyrene	12.845	202	871645	38.588	ng	99
80) Butylbenzylphthalate	13.457	149	329616	40.507	ng	99
81) Benzo(a)anthracene	14.039	228	639698	39.557	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	184849	38.072	ng	100
83) Chrysene	14.074	228	583254	39.444	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	417403	40.623	ng	99
85) Di-n-octyl phthalate	14.645	149	593296	42.252	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	539566	39.075	ng	98
88) Benzo(b)fluoranthene	15.110	252	549051	41.254	ng	99
89) Benzo(k)fluoranthene	15.139	252	426772	36.644	ng	99
90) Benzo(a)pyrene	15.486	252	423923	39.175	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	441641	39.053	ng	99
92) Benzo(g,h,i)perylene	17.510	276	456904	39.594	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
2		1,4-Dioxane	0.493	0.469	4.9	94	0.00
3		Pyridine	1.084	1.124	-3.7	92	0.00
4		n-Nitrosodimethylamine	0.637	0.569	10.7	86	-0.01
5	S	2-Fluorophenol	1.172	1.119	4.5	93	0.00
6		Aniline	1.091	1.234	-13.1	96	0.00
7	S	Phenol-d6	1.550	1.507	2.8	92	0.00
8		2-Chlorophenol	1.261	1.243	1.4	95	0.00
9		Benzaldehyde	0.820	0.779	5.0	103	0.00
10	C	Phenol	1.583	1.586	-0.2	93	0.00
11		bis(2-Chloroethyl)ether	1.211	1.180	2.6	93	0.00
12		1,3-Dichlorobenzene	1.417	1.382	2.5	97	0.00
13	C	1,4-Dichlorobenzene	1.435	1.399	2.5	96	0.00
14		1,2-Dichlorobenzene	1.344	1.313	2.3	95	0.00
15		Benzyl Alcohol	1.149	1.127	1.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	1.431	1.423	0.6	95	0.00
17		2-Methylphenol	1.009	0.988	2.1	93	0.00
18		Hexachloroethane	0.536	0.520	3.0	95	0.00
19	P	n-Nitroso-di-n-propylamine	0.916	0.880	3.9	91	0.00
20		3+4-Methylphenols	1.298	1.252	3.5	91	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.488	0.461	5.5	90	0.00
23	S	Nitrobenzene-d5	0.391	0.377	3.6	91	0.00
24		Nitrobenzene	0.404	0.386	4.5	91	0.00
25		Isophorone	0.652	0.631	3.2	90	0.00
26	C	2-Nitrophenol	0.179	0.180	-0.6	94	0.00
27		2,4-Dimethylphenol	0.214	0.218	-1.9	92	0.00
28		bis(2-Chloroethoxy)methane	0.397	0.394	0.8	94	0.00
29	C	2,4-Dichlorophenol	0.284	0.282	0.7	94	0.00
30		1,2,4-Trichlorobenzene	0.324	0.320	1.2	95	0.00
31		Naphthalene	1.030	1.017	1.3	95	0.00
32		Benzoic acid	0.164	0.179	-9.1	95	-0.01
33		4-Chloroaniline	0.308	0.331	-7.5	96	0.00
34	C	Hexachlorobutadiene	0.215	0.212	1.4	94	0.00
35		Caprolactam	0.088	0.090	-2.3	94	0.00
36	C	4-Chloro-3-methylphenol	0.318	0.314	1.3	91	0.00
37		2-Methylnaphthalene	0.654	0.650	0.6	94	0.00
38		1-Methylnaphthalene	0.641	0.637	0.6	94	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.586	0.0	94	0.00
41	P	Hexachlorocyclopentadiene	0.107	0.100	6.5	79	0.00
42	S	2,4,6-Tribromophenol	0.214	0.210	1.9	88	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.368	-0.3	91	0.00
44		2,4,5-Trichlorophenol	0.399	0.405	-1.5	91	0.00
45	S	2-Fluorobiphenyl	1.342	1.315	2.0	92	0.00
46		1,1'-Biphenyl	1.493	1.483	0.7	93	0.00
47		2-Chloronaphthalene	1.131	1.133	-0.2	93	0.00

Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.363	0.361	0.6	89	0.00
49		Acenaphthylene	1.710	1.718	-0.5	94	0.00
50		Dimethylphthalate	1.317	1.305	0.9	91	0.00
51		2,6-Dinitrotoluene	0.299	0.304	-1.7	92	0.00
52	C	Acenaphthene	1.086	1.091	-0.5	93	0.00
53		3-Nitroaniline	0.292	0.298	-2.1	90	0.00
54	P	2,4-Dinitrophenol	0.122	0.127	-4.1	82	0.00
55		Dibenzofuran	1.657	1.654	0.2	93	0.00
56	P	4-Nitrophenol	0.199	0.190	4.5	83	0.00
57		2,4-Dinitrotoluene	0.397	0.407	-2.5	91	0.00
58		Fluorene	1.330	1.315	1.1	92	0.00
59		2,3,4,6-Tetrachlorophenol	0.306	0.320	-4.6	93	0.00
60		Diethylphthalate	1.338	1.312	1.9	91	0.00
61		4-Chlorophenyl-phenylether	0.653	0.649	0.6	92	0.00
62		4-Nitroaniline	0.306	0.308	-0.7	89	0.00
63		Azobenzene	1.267	1.260	0.6	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	91	0.00
65		4,6-Dinitro-2-methylphenol	0.102	0.105	-2.9	87	0.00
66	c	n-Nitrosodiphenylamine	0.591	0.579	2.0	91	0.00
67		4-Bromophenyl-phenylether	0.206	0.203	1.5	93	0.00
68		Hexachlorobenzene	0.238	0.233	2.1	91	0.00
69		Atrazine	0.166	0.168	-1.2	110	0.00
70	C	Pentachlorophenol	0.105	0.110	-4.8	87	0.00
71		Phenanthrene	0.961	0.960	0.1	93	0.00
72		Anthracene	0.940	0.932	0.9	92	0.00
73		Carbazole	0.905	0.906	-0.1	93	0.00
74		Di-n-butylphthalate	1.044	1.047	-0.3	93	0.00
75	C	Fluoranthene	1.044	1.089	-4.3	98	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.581	0.492	15.3	87	0.00
78		Pyrene	1.849	1.784	3.5	98	0.00
79	S	Terphenyl-d14	1.284	1.204	6.2	96	-0.01
80		Butylbenzylphthalate	0.666	0.675	-1.4	101	0.00
81		Benzo(a)anthracene	1.324	1.309	1.1	104	0.00
82		3,3'-Dichlorobenzidine	0.397	0.378	4.8	94	0.00
83		Chrysene	1.211	1.194	1.4	101	0.00
84		Bis(2-ethylhexyl)phthalate	0.841	0.854	-1.5	105	0.00
85	c	Di-n-octyl phthalate	1.150	1.214	-5.6	109	0.01
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	1.303	1.273	2.3	98	0.00
88		Benzo(b)fluoranthene	1.256	1.296	-3.2	109	0.00
89		Benzo(k)fluoranthene	1.099	1.007	8.4	92	0.00
90	C	Benzo(a)pyrene	1.021	1.000	2.1	100	0.01
91		Dibenzo(a,h)anthracene	1.067	1.042	2.3	98	0.00
92		Benzo(g,h,i)perylene	1.089	1.078	1.0	100	0.00

Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	98	0.00
2		1,4-Dioxane	40.000	38.103	4.7	94	0.00
3		Pyridine	40.000	41.455	-3.6	92	0.00
4		n-Nitrosodimethylamine	40.000	35.685	10.8	86	-0.01
5	S	2-Fluorophenol	80.000	76.378	4.5	93	0.00
6		Aniline	40.000	45.250	-13.1	96	0.00
7	S	Phenol-d6	80.000	77.804	2.7	92	0.00
8		2-Chlorophenol	40.000	39.419	1.5	95	0.00
9		Benzaldehyde	40.000	37.990	5.0	103	0.00
10	C	Phenol	40.000	40.096	-0.2	93	0.00
11		bis(2-Chloroethyl)ether	40.000	38.975	2.6	93	0.00
12		1,3-Dichlorobenzene	40.000	39.006	2.5	97	0.00
13	C	1,4-Dichlorobenzene	40.000	38.992	2.5	96	0.00
14		1,2-Dichlorobenzene	40.000	39.061	2.3	95	0.00
15		Benzyl Alcohol	40.000	39.236	1.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.789	0.5	95	0.00
17		2-Methylphenol	40.000	39.166	2.1	93	0.00
18		Hexachloroethane	40.000	38.839	2.9	95	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.455	3.9	91	0.00
20		3+4-Methylphenols	40.000	38.595	3.5	91	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	37.843	5.4	90	0.00
23	S	Nitrobenzene-d5	80.000	77.040	3.7	91	0.00
24		Nitrobenzene	40.000	38.171	4.6	91	0.00
25		Isophorone	40.000	38.707	3.2	90	0.00
26	C	2-Nitrophenol	40.000	40.253	-0.6	94	0.00
27		2,4-Dimethylphenol	40.000	40.621	-1.6	92	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.691	0.8	94	0.00
29	C	2,4-Dichlorophenol	40.000	39.714	0.7	94	0.00
30		1,2,4-Trichlorobenzene	40.000	39.440	1.4	95	0.00
31		Naphthalene	40.000	39.498	1.3	95	0.00
32		Benzoic acid	40.000	39.786	0.5	95	-0.01
33		4-Chloroaniline	40.000	42.887	-7.2	96	0.00
34	C	Hexachlorobutadiene	40.000	39.404	1.5	94	0.00
35		Caprolactam	40.000	41.047	-2.6	94	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.500	1.3	91	0.00
37		2-Methylnaphthalene	40.000	39.730	0.7	94	0.00
38		1-Methylnaphthalene	40.000	39.726	0.7	94	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.035	-0.1	94	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.918	12.7	79	0.00
42	S	2,4,6-Tribromophenol	80.000	78.440	2.0	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.020	-0.1	91	0.00
44		2,4,5-Trichlorophenol	40.000	40.663	-1.7	91	0.00
45	S	2-Fluorobiphenyl	80.000	78.399	2.0	92	0.00
46		1,1'-Biphenyl	40.000	39.737	0.7	93	0.00
47		2-Chloronaphthalene	40.000	40.050	-0.1	93	0.00

Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.707	0.7	89	0.00
49		Acenaphthylene	40.000	40.206	-0.5	94	0.00
50		Dimethylphthalate	40.000	39.631	0.9	91	0.00
51		2,6-Dinitrotoluene	40.000	40.657	-1.6	92	0.00
52	C	Acenaphthene	40.000	40.173	-0.4	93	0.00
53		3-Nitroaniline	40.000	40.794	-2.0	90	0.00
54	P	2,4-Dinitrophenol	40.000	37.481	6.3	82	0.00
55		Dibenzofuran	40.000	39.938	0.2	93	0.00
56	P	4-Nitrophenol	40.000	38.234	4.4	83	0.00
57		2,4-Dinitrotoluene	40.000	41.004	-2.5	91	0.00
58		Fluorene	40.000	39.561	1.1	92	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.775	-4.4	93	0.00
60		Diethylphthalate	40.000	39.225	1.9	91	0.00
61		4-Chlorophenyl-phenylether	40.000	39.804	0.5	92	0.00
62		4-Nitroaniline	40.000	40.170	-0.4	89	0.00
63		Azobenzene	40.000	39.774	0.6	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	91	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.129	-2.8	87	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.157	2.1	91	0.00
67		4-Bromophenyl-phenylether	40.000	39.421	1.4	93	0.00
68		Hexachlorobenzene	40.000	39.147	2.1	91	0.00
69		Atrazine	40.000	40.387	-1.0	110	0.00
70	C	Pentachlorophenol	40.000	41.979	-4.9	87	0.00
71		Phenanthrene	40.000	39.944	0.1	93	0.00
72		Anthracene	40.000	39.643	0.9	92	0.00
73		Carbazole	40.000	40.042	-0.1	93	0.00
74		Di-n-butylphthalate	40.000	40.112	-0.3	93	0.00
75	C	Fluoranthene	40.000	41.729	-4.3	98	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	33.872	15.3	87	0.00
78		Pyrene	40.000	38.588	3.5	98	0.00
79	S	Terphenyl-d14	80.000	75.015	6.2	96	-0.01
80		Butylbenzylphthalate	40.000	40.507	-1.3	101	0.00
81		Benzo(a)anthracene	40.000	39.557	1.1	104	0.00
82		3,3'-Dichlorobenzidine	40.000	38.072	4.8	94	0.00
83		Chrysene	40.000	39.444	1.4	101	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.623	-1.6	105	0.00
85	c	Di-n-octyl phthalate	40.000	42.252	-5.6	109	0.01
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.075	2.3	98	0.00
88		Benzo(b)fluoranthene	40.000	41.254	-3.1	109	0.00
89		Benzo(k)fluoranthene	40.000	36.644	8.4	92	0.00
90	C	Benzo(a)pyrene	40.000	39.175	2.1	100	0.01
91		Dibenzo(a,h)anthracene	40.000	39.053	2.4	98	0.00
92		Benzo(g,h,i)perylene	40.000	39.594	1.0	100	0.00

Sample Results: **BF140590.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140590.D
Acq On : 25 Nov 2024 09:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Nov 25 18:48:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

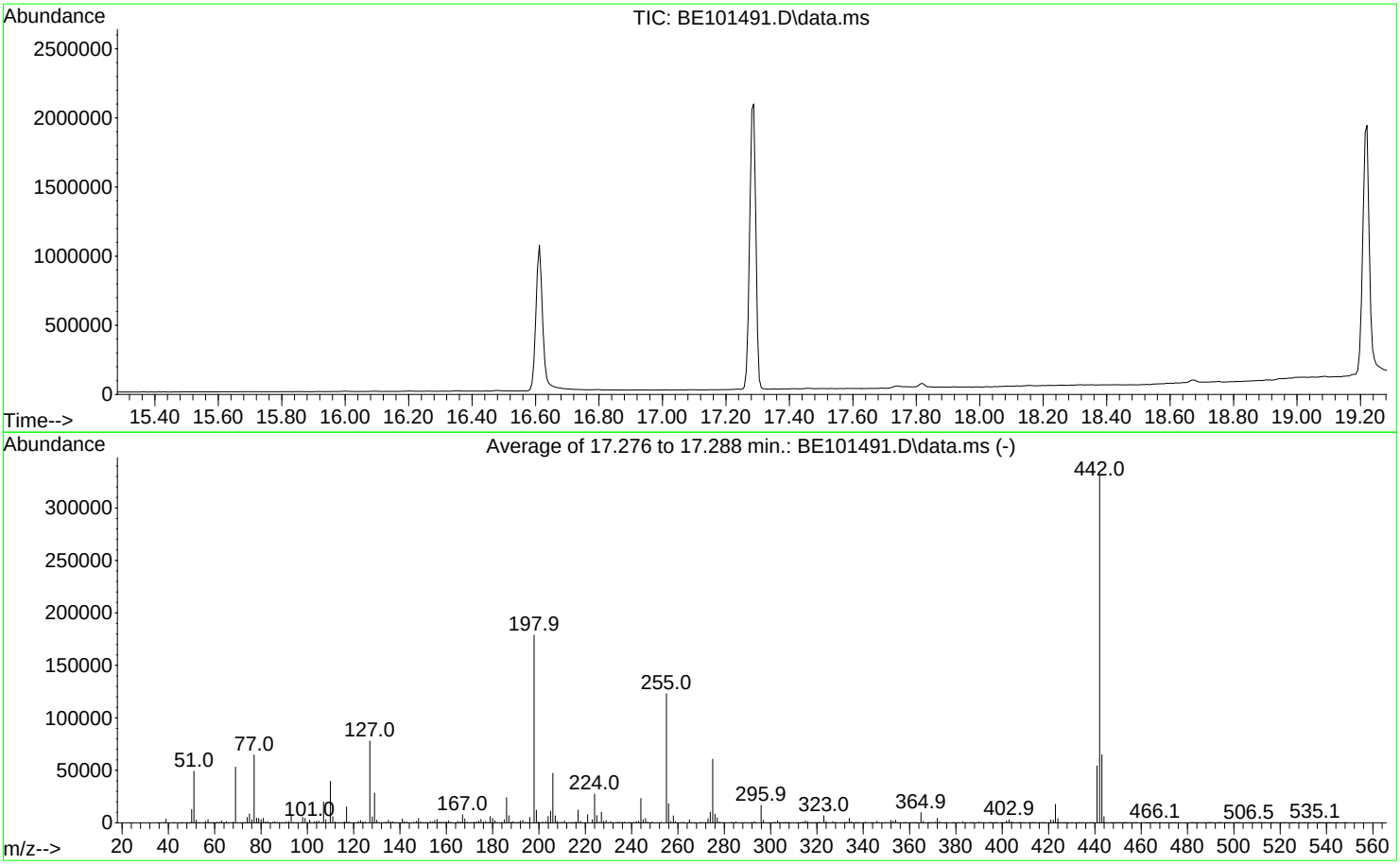
Sample Results: **BE101491.D**

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

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

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



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

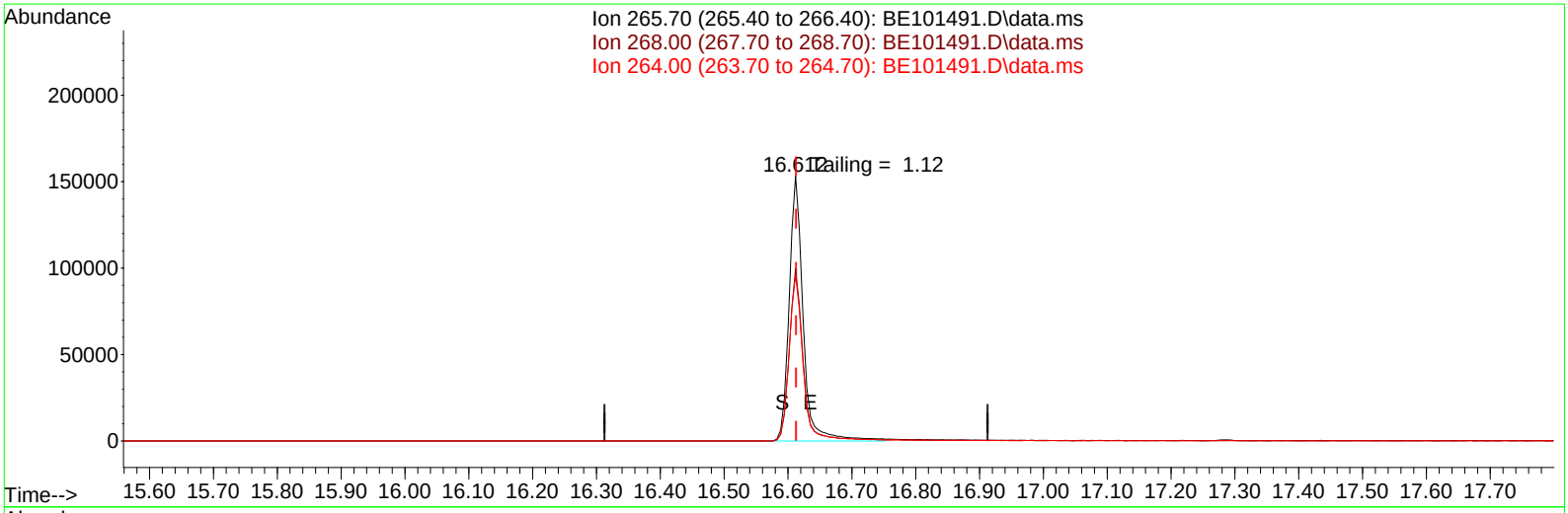
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.5	49133	PASS
68	69	0.00	2	1.3	713	PASS
69	198	0.00	100	29.7	53047	PASS
70	69	0.00	2	0.4	228	PASS
127	198	10	80	43.5	77857	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	178817	PASS
199	198	5	9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

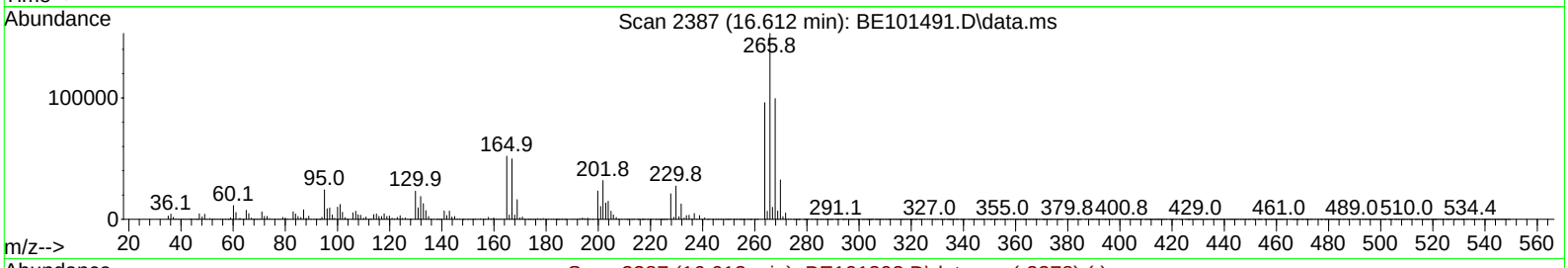
Sample Results: **BE101491.D**

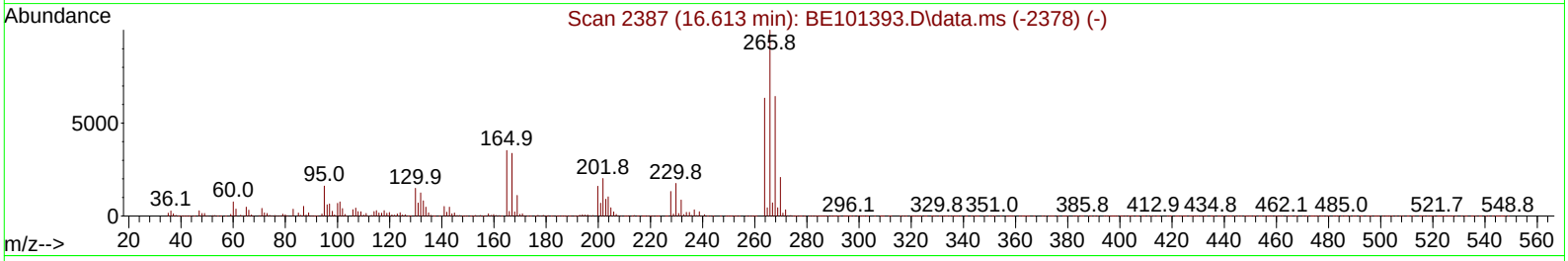
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

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







TIC: BE101491.D\data.ms

(70) Pentachlorophenol (C)

16.612min (-0.001) 879438.33 ng

response 237313

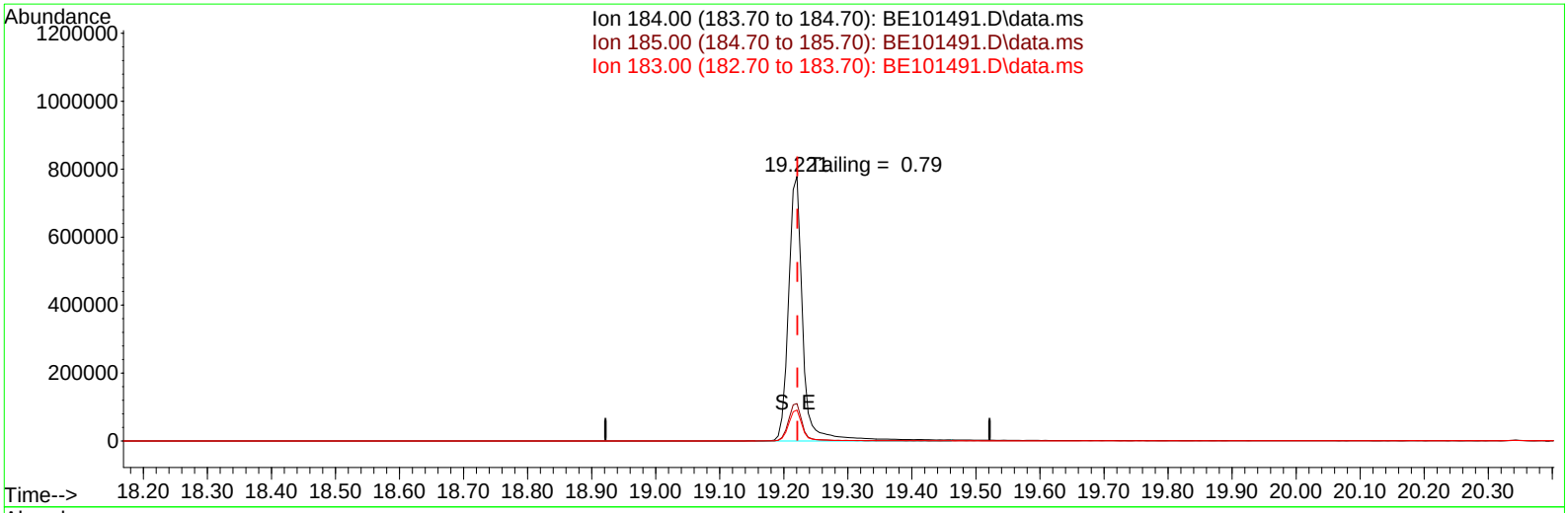
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.40	64.98
264.00	63.40	62.72
0.00	0.00	0.00

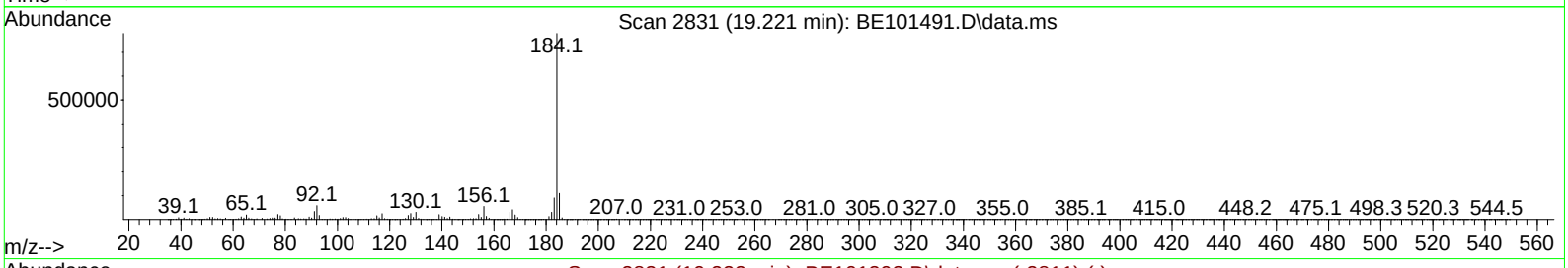
Sample Results: **BE101491.D**

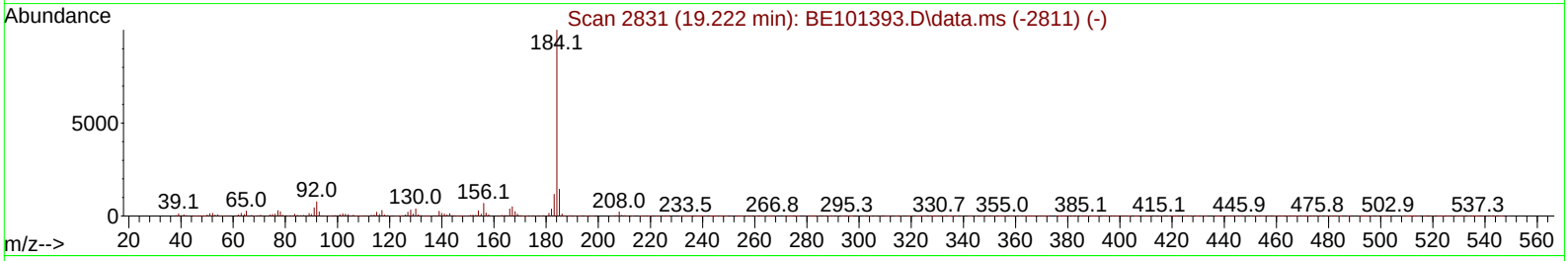
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE110624\
Data File : BE101491.D
Acq On : 6 Nov 2024 11:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

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







TIC: BE101491.D\data.ms

(77) Benzidine

19.221min (-0.001) 515869.86 ng

response 1191601

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

DDT Breakdown

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

Instrument :
BNA_E
ClientSampleId :
DFTPP

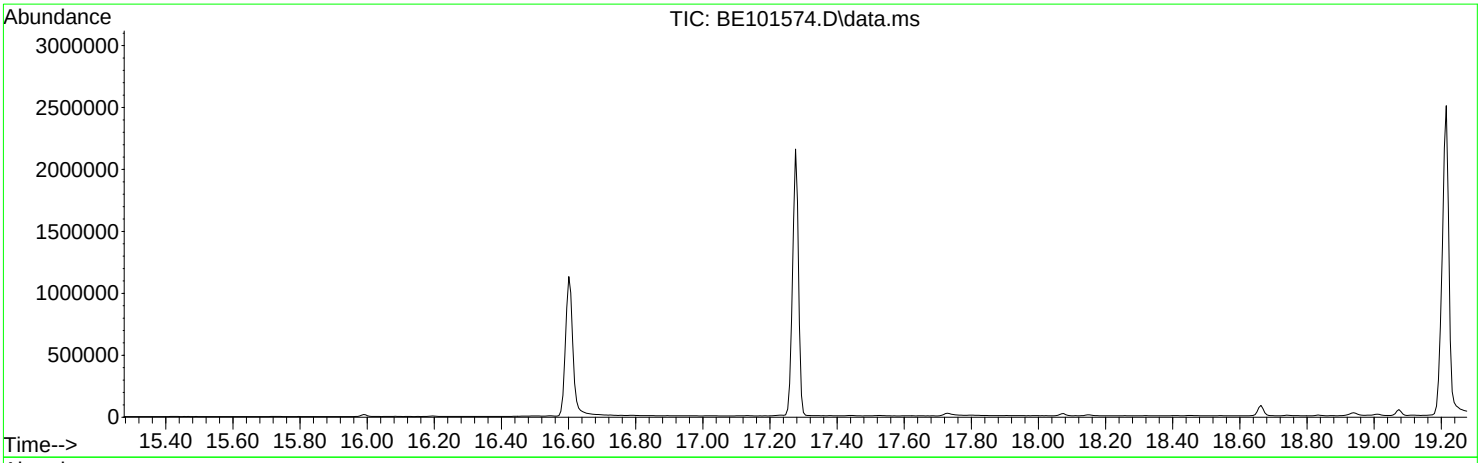
Sample Results: **BE101574.D**

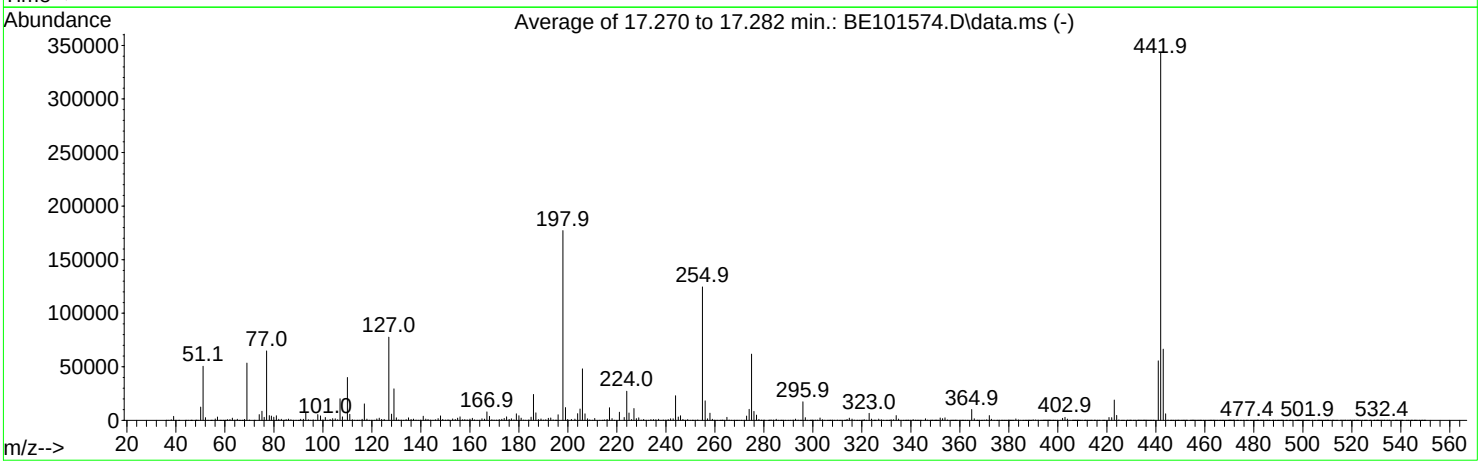
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101574.D
Acq On : 12 Nov 2024 9:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 2499, 2500, 2501; Background Corrected with Scan 2491

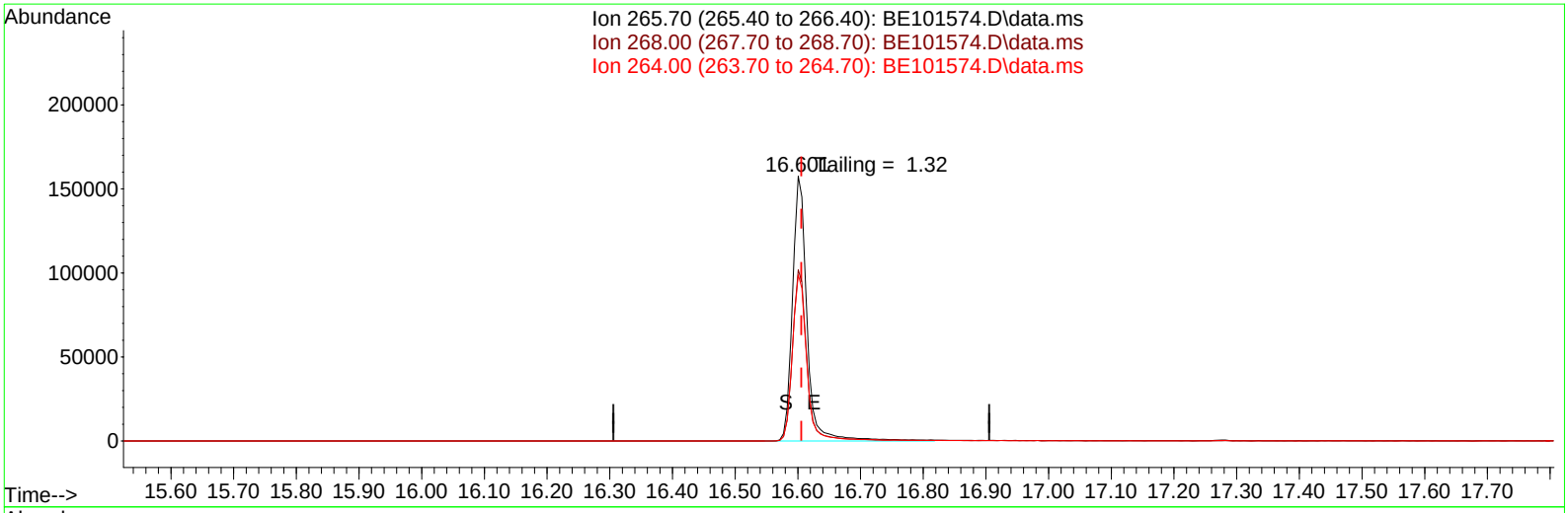
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.5	50565	PASS
68	69	0.00	2	1.7	904	PASS
69	198	0.00	100	30.2	53455	PASS
70	69	0.00	2	0.5	244	PASS
127	198	10	80	43.9	77729	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	177164	PASS
199	198	5	9	6.8	11982	PASS
275	198	10	60	34.9	61835	PASS
365	198	1	100	5.7	10154	PASS
441	198	0.01	100	31.4	55627	PASS
442	442	50	100	100.0	343375	PASS
443	442	15	24	19.4	66533	PASS

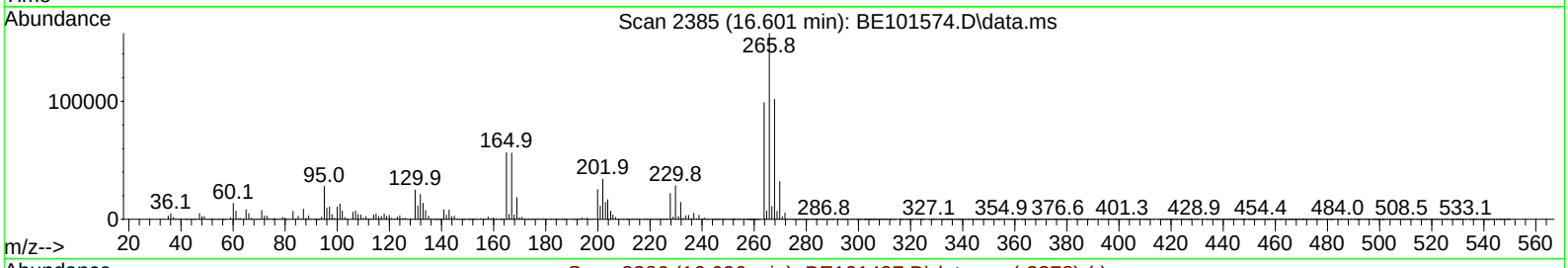
Sample Results: **BE101574.D**

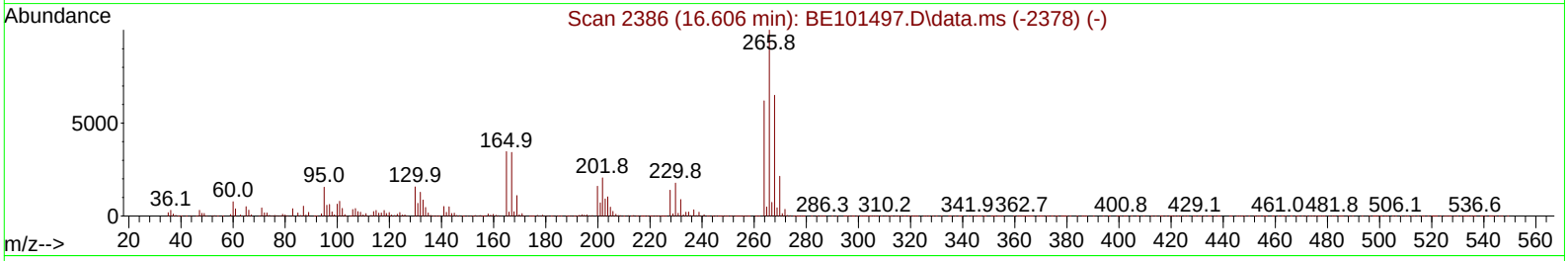
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101574.D
Acq On : 12 Nov 2024 9:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:49:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration







TIC: BE101574.D\data.ms

(70) Pentachlorophenol (C)

16.601min (-0.005) 60825.00 ng

response 252938

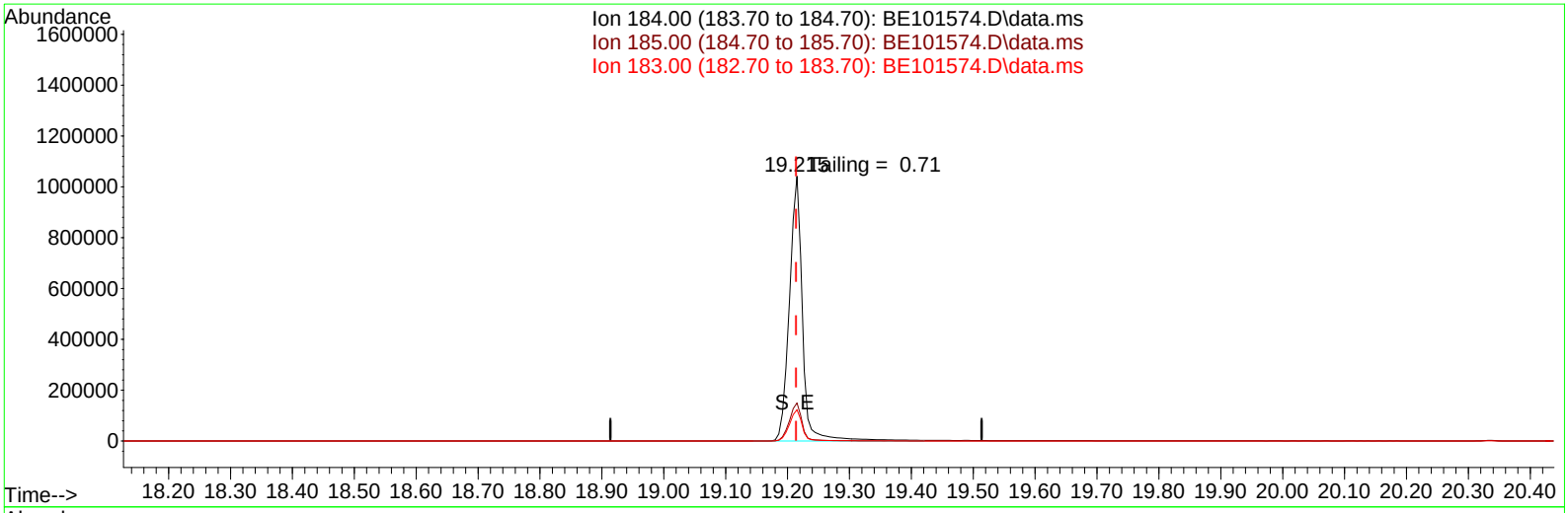
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.00	64.63
264.00	62.00	62.75
0.00	0.00	0.00

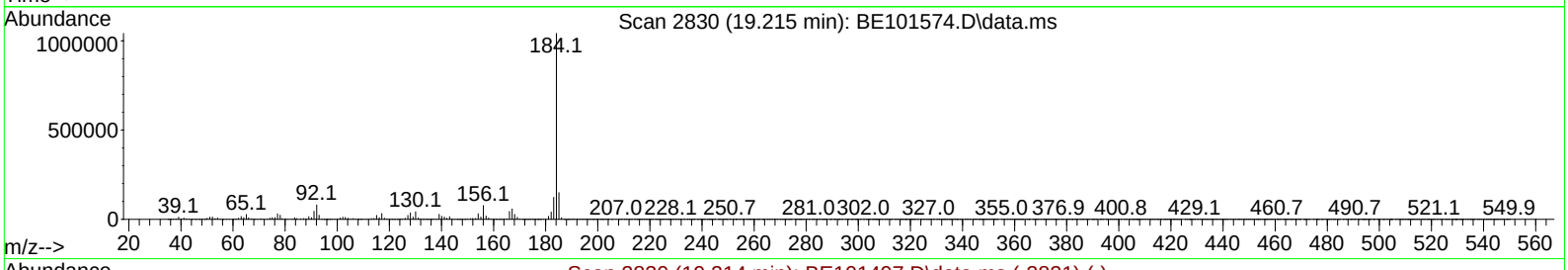
Sample Results: **BE101574.D**

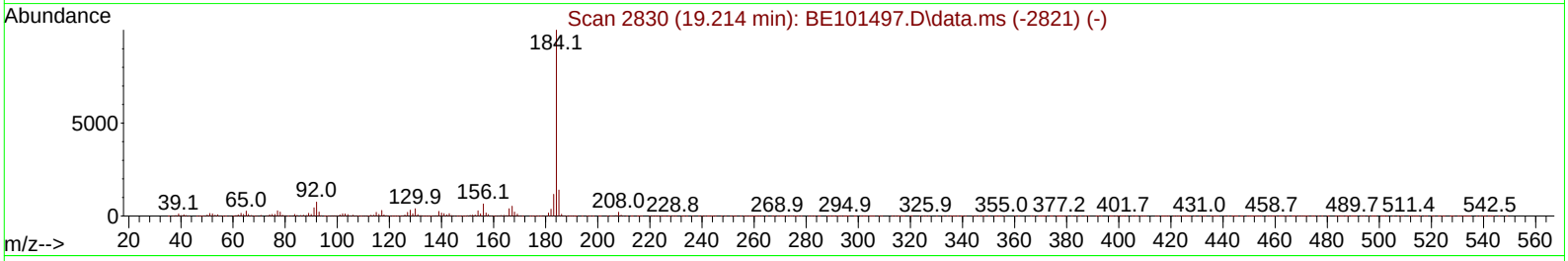
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101574.D
Acq On : 12 Nov 2024 9:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
DFTPP

Quant Time: Nov 12 11:49:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration







TIC: BE101574.D\data.ms

(77) Benzidine

19.215min (+ 0.001) 5484.13 ng

response 1525802

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.36
183.00	11.70	11.81
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/12/2024	BNA_E	BE101574.D
Compound Name	**Response**	**Retention Time**
DDT	806084	20.337
DDD	20095	19.903
DDE	818	19.386
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
20913	826997	2.53

Instrument :
BNA_E
ClientSampleId :
DFTPP

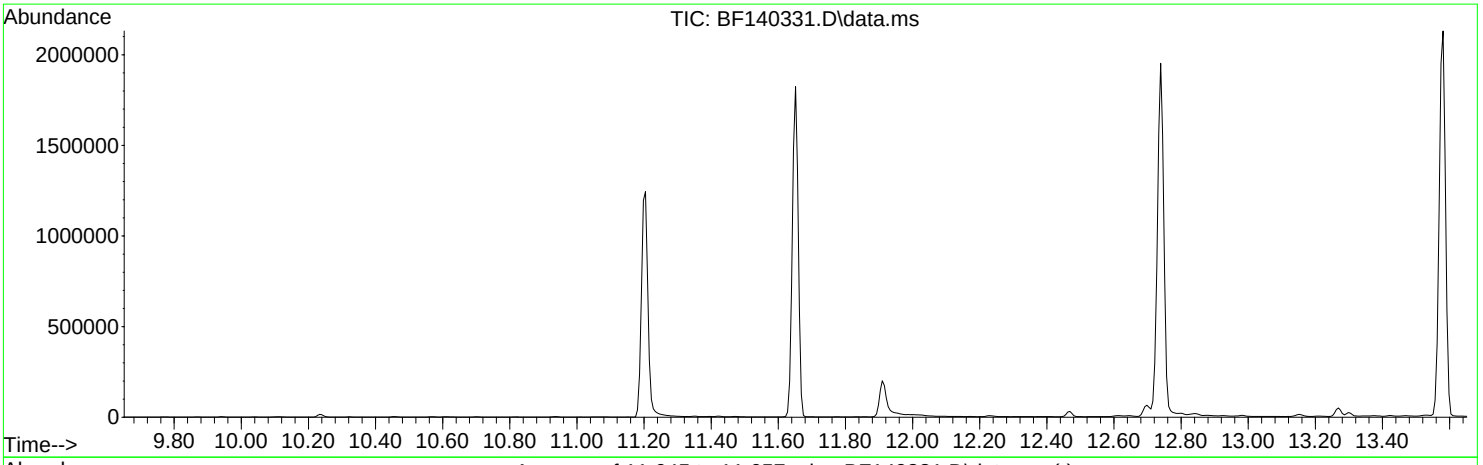
Sample Results: **BF140331.D**

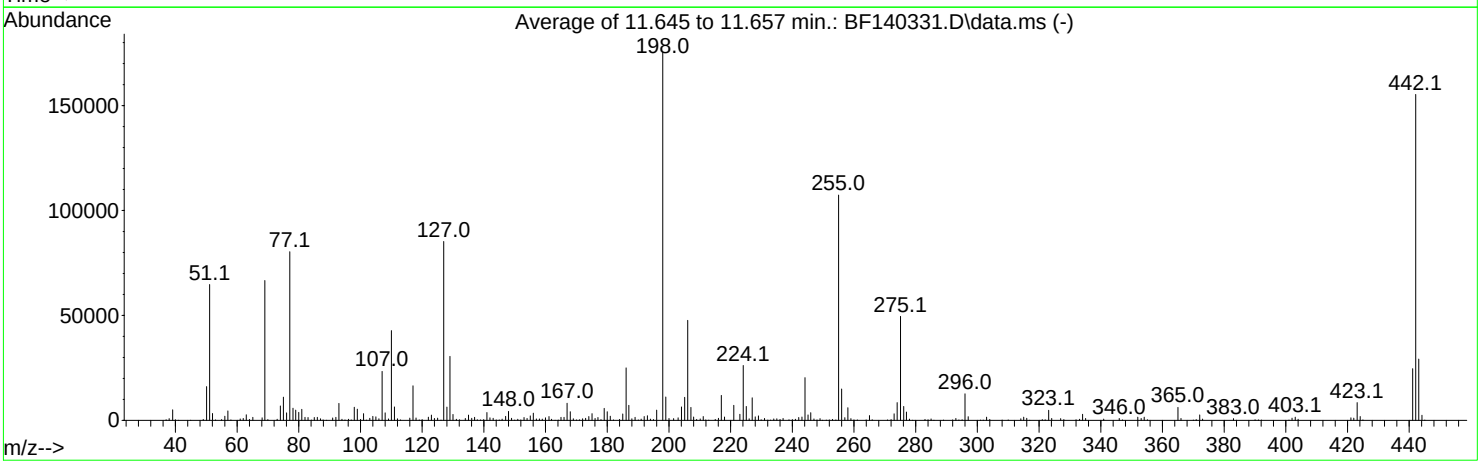
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





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

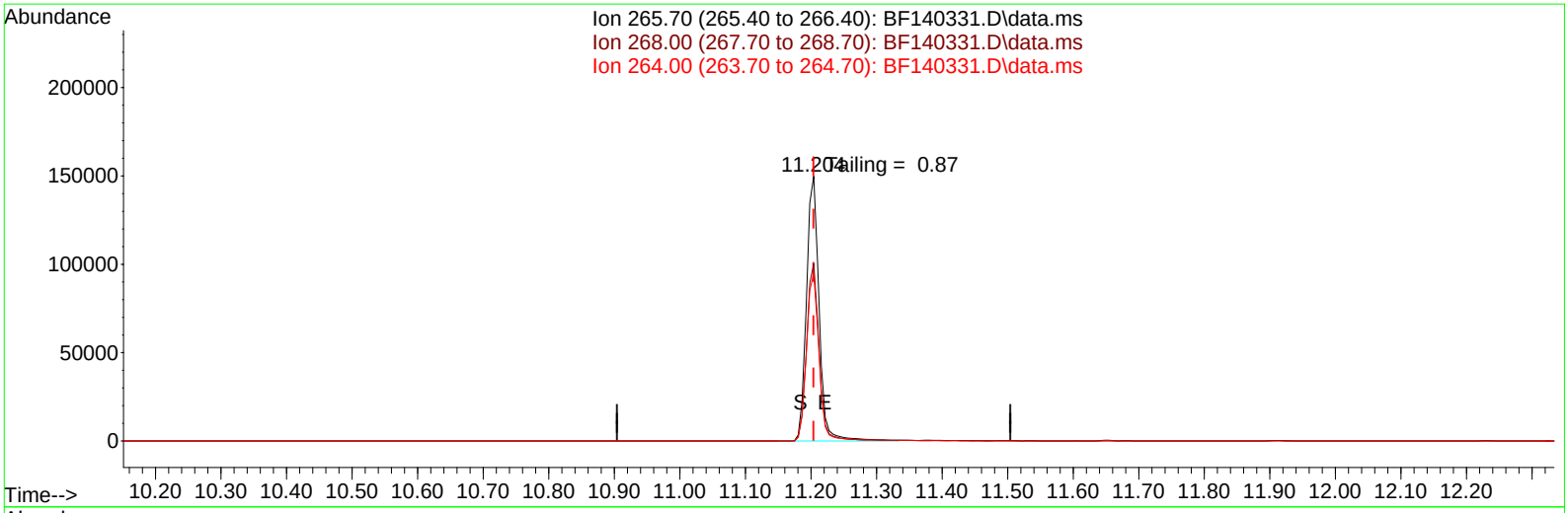
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.9	64757	PASS
68	69	0.00	2	1.8	1226	PASS
69	198	0.00	100	38.0	66677	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	85245	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	175296	PASS
199	198	5	9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

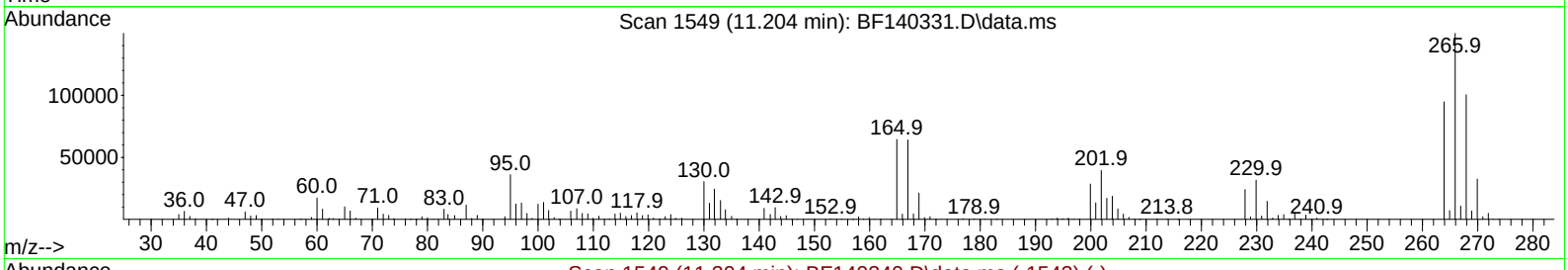
Sample Results: **BF140331.D**

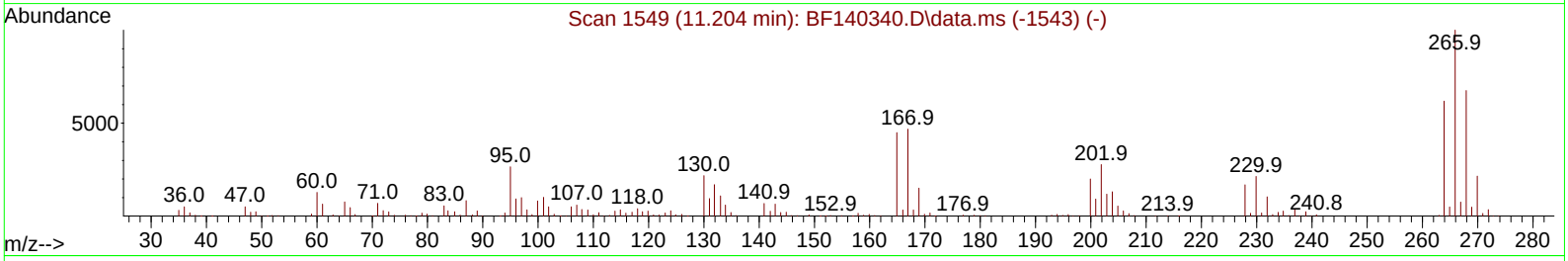
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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







TIC: BF140331.D\data.ms

(70) Pentachlorophenol (C)

11.204min (0.000) 23118.21 ng

response 201406

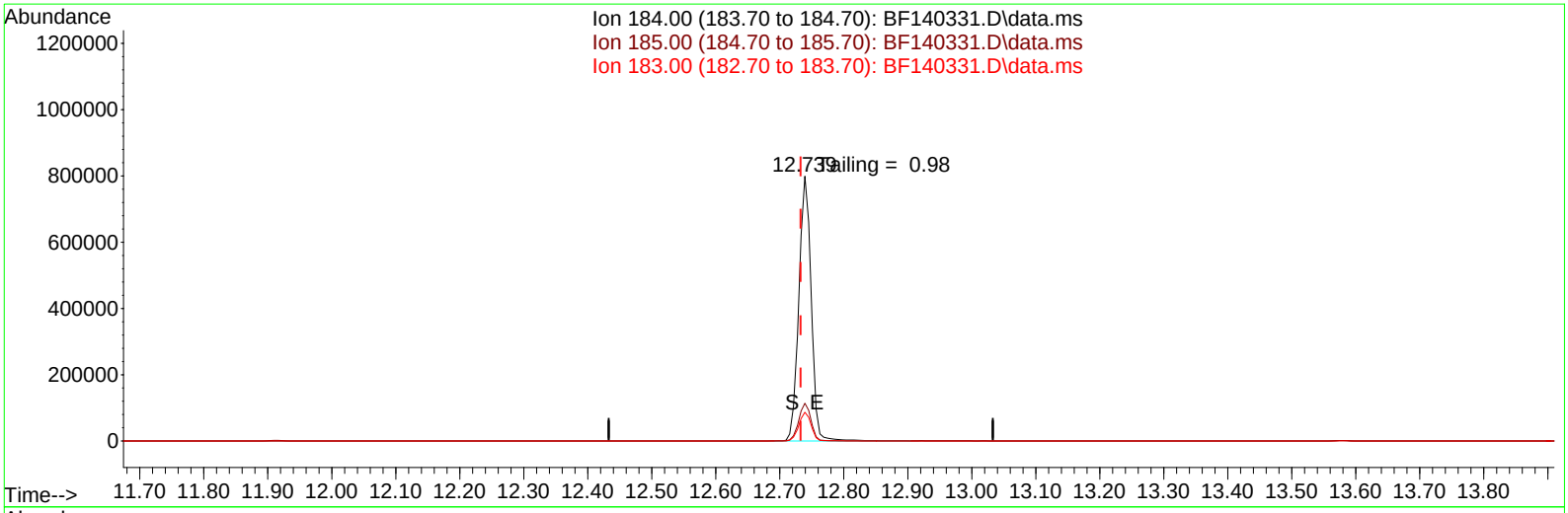
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.05
264.00	62.90	63.20
0.00	0.00	0.00

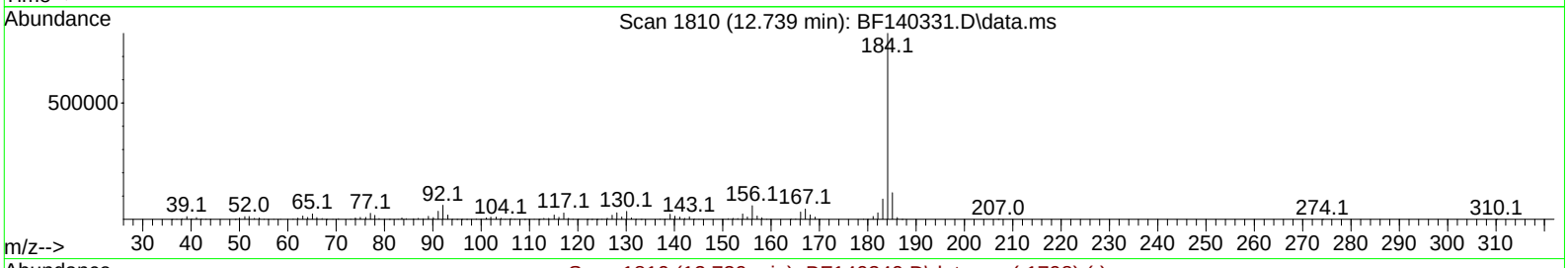
Sample Results: **BF140331.D**

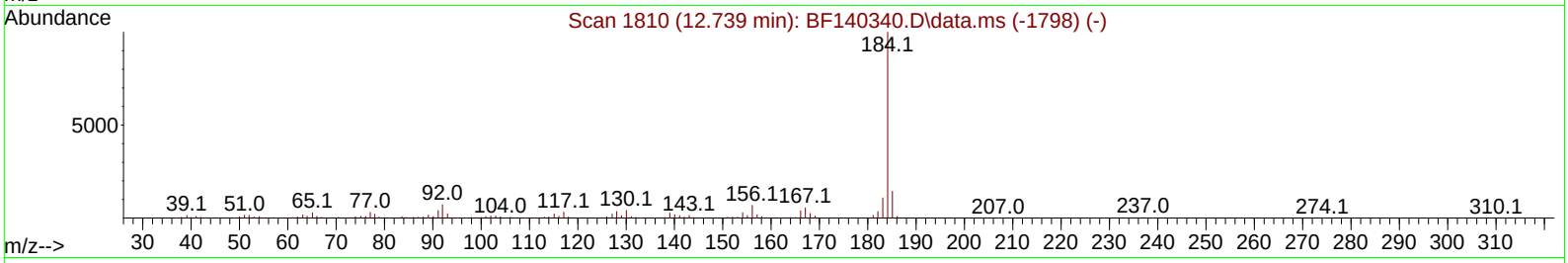
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111324\
Data File : BF140331.D
Acq On : 13 Nov 2024 08:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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







TIC: BF140331.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 47514.94 ng

response 1075955

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

DDT Breakdown

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

Instrument :
BNA_F
ClientSampleId :
DFTPP

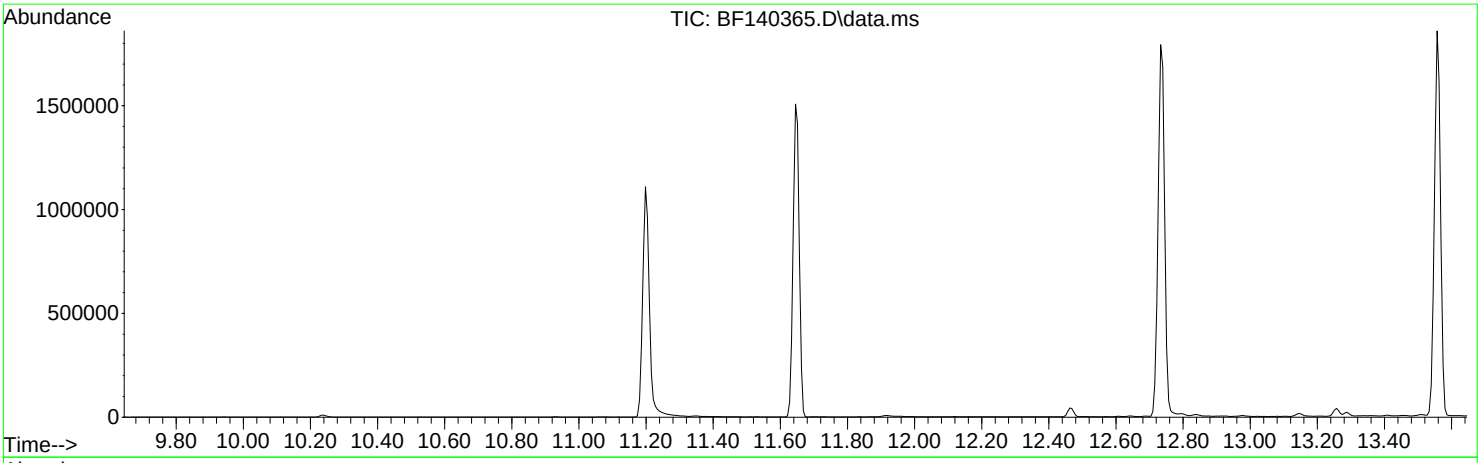
Sample Results: **BF140365.D**

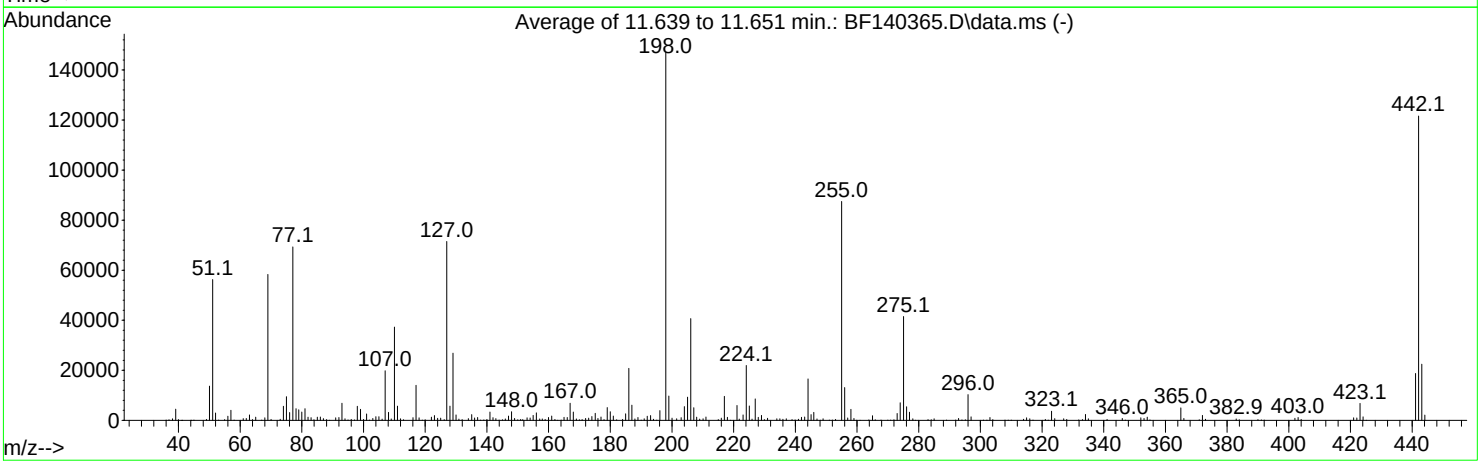
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





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

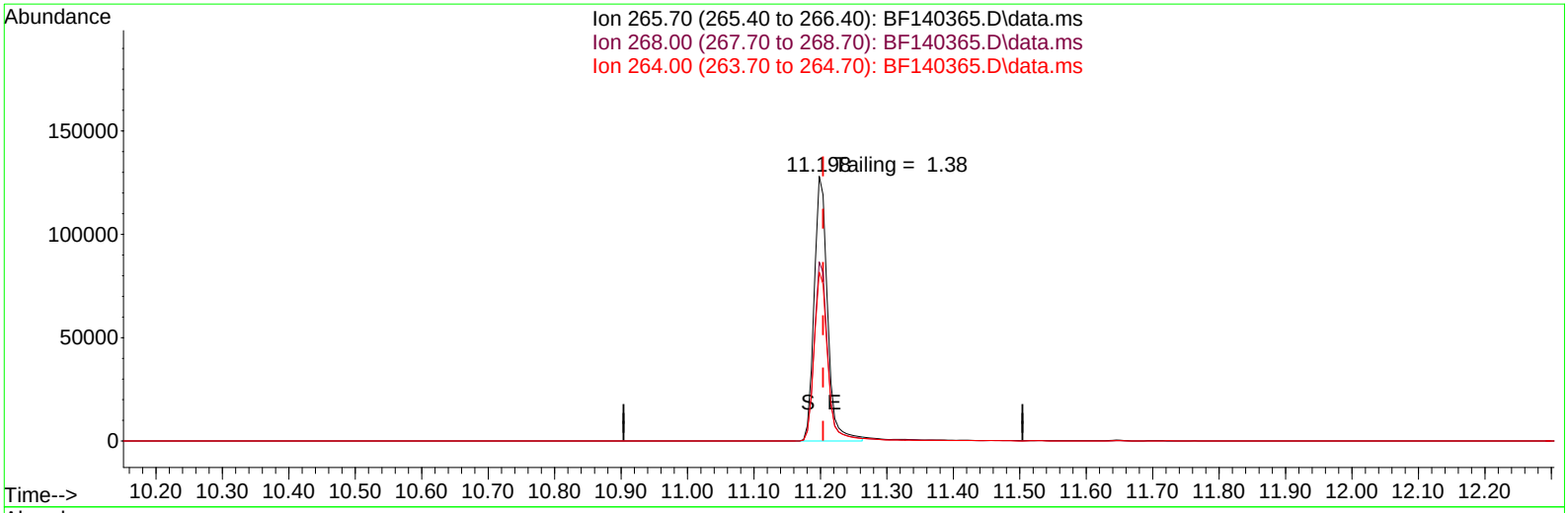
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.3	56256	PASS
68	69	0.00	2	1.8	1048	PASS
69	198	0.00	100	39.7	58288	PASS
70	69	0.00	2	0.6	372	PASS
127	198	10	80	48.6	71504	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	146981	PASS
199	198	5	9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

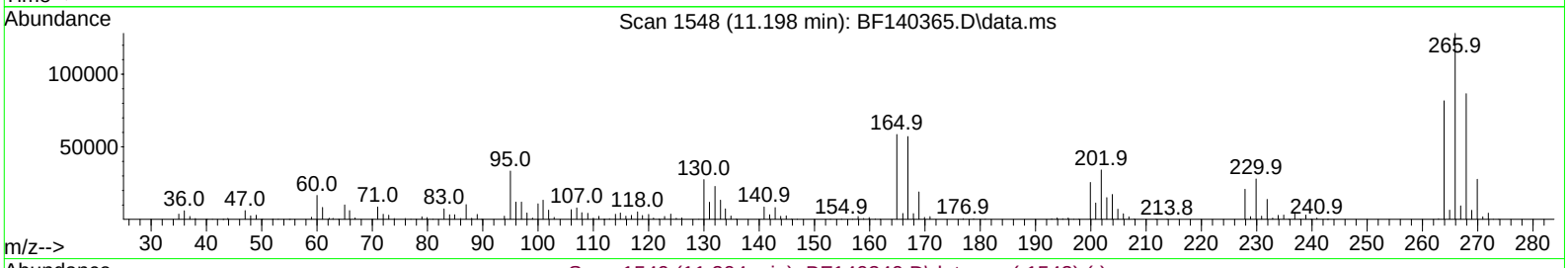
Sample Results: **BF140365.D**

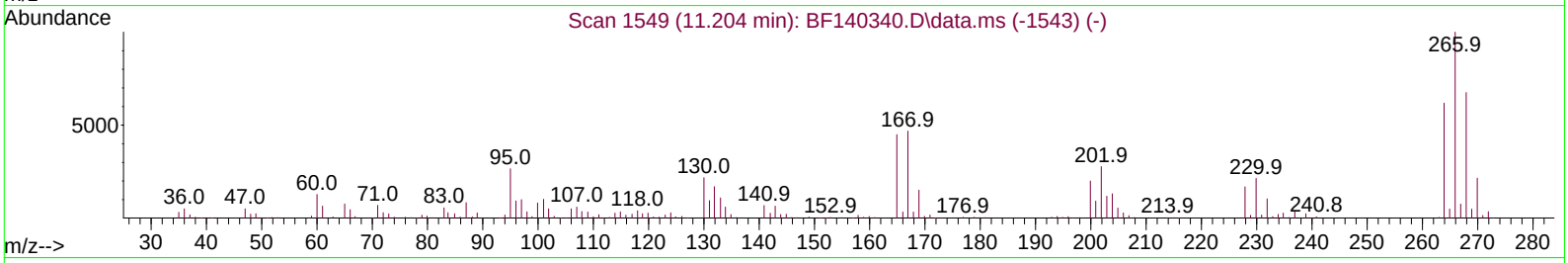
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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







TIC: BF140365.D\data.ms

(70) Pentachlorophenol (C)

11.198min (-0.006) 63998.59 ng

response 182621

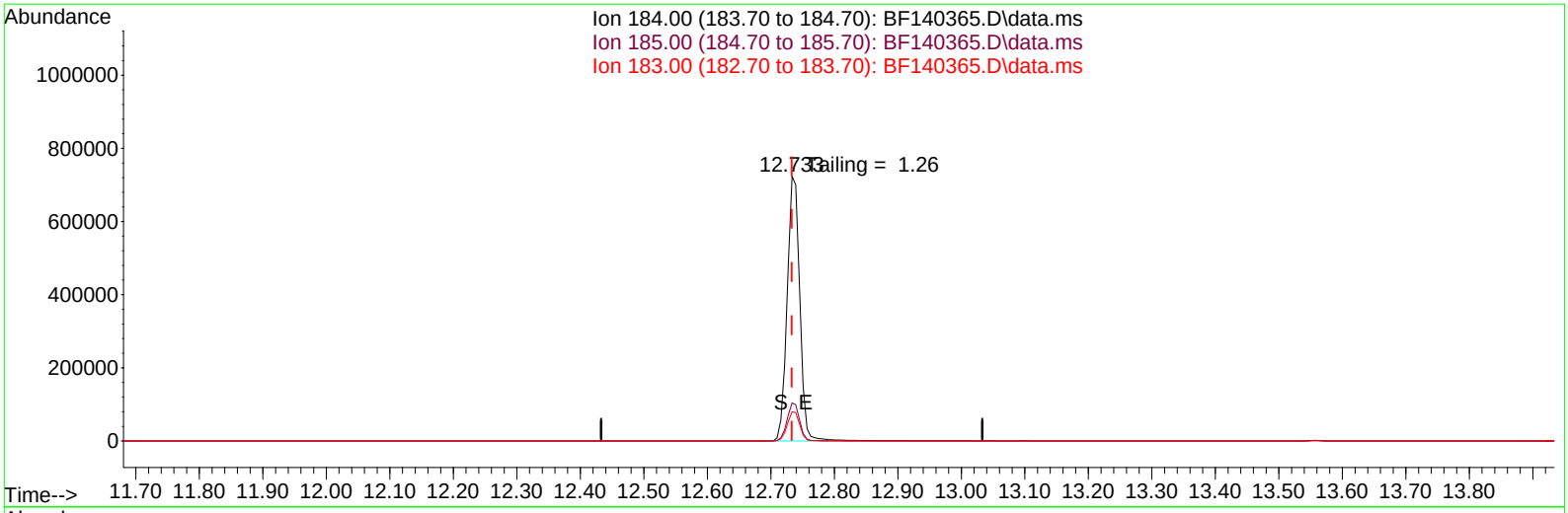
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	67.63
264.00	62.90	63.80
0.00	0.00	0.00

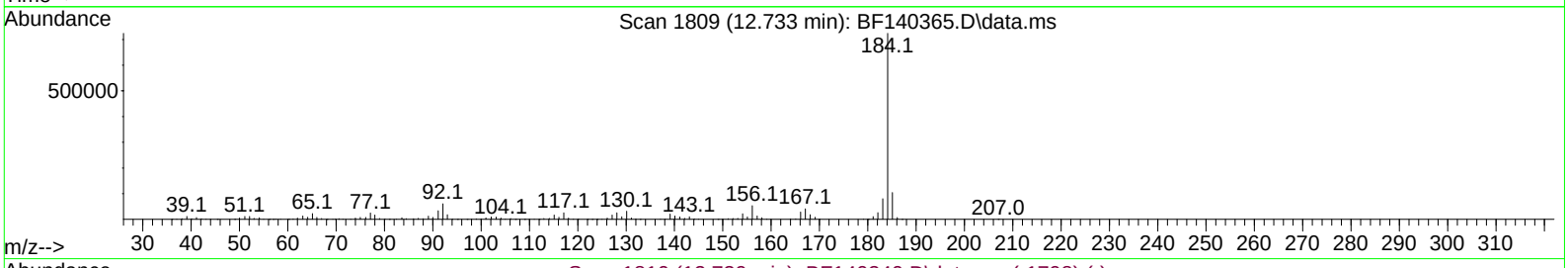
Sample Results: **BF140365.D**

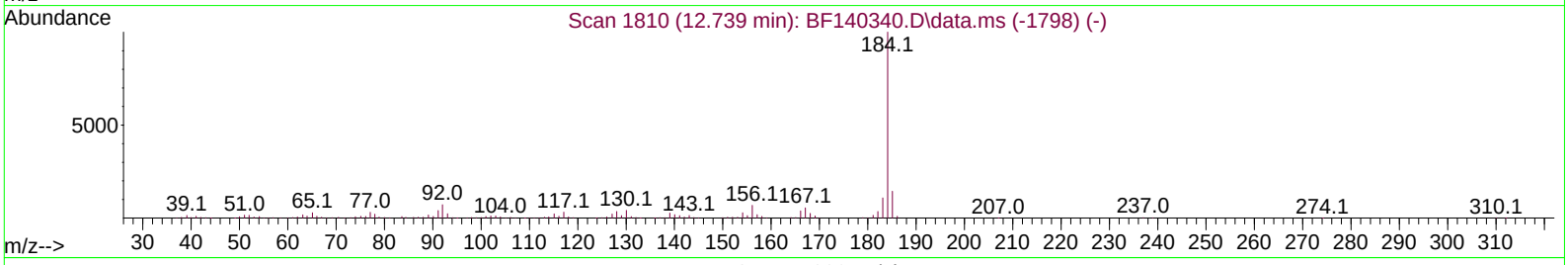
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
Data File : BF140365.D
Acq On : 14 Nov 2024 16:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

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







TIC: BF140365.D\data.ms

(77) Benzidine

12.733min (+ 0.000) 36692.71 ng

response 1009743

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

DDT Breakdown

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

Instrument :
BNA_F
ClientSampleId :
DFTPP

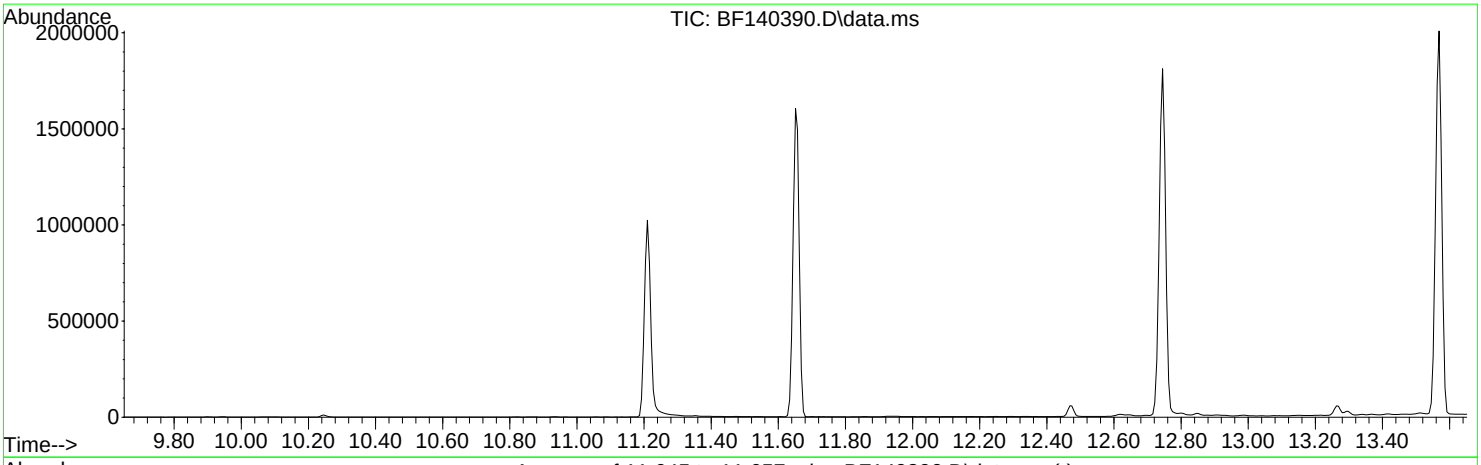
Sample Results: **BF140390.D**

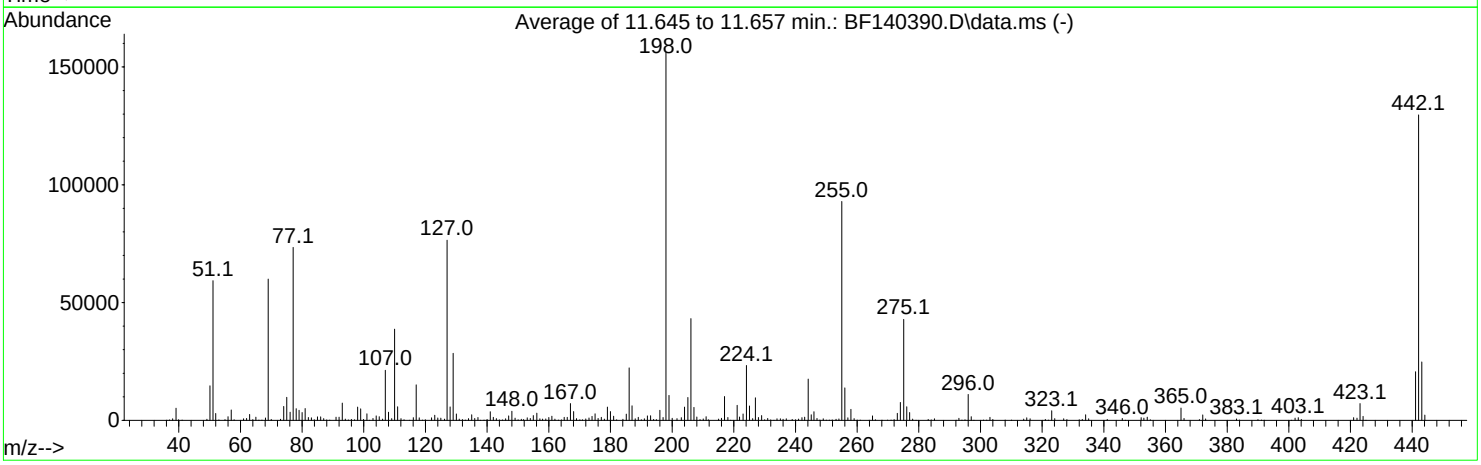
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.0	59293	PASS
68	69	0.00	2	1.7	1041	PASS
69	198	0.00	100	38.4	59949	PASS
70	69	0.00	2	0.6	377	PASS
127	198	10	80	49.0	76480	PASS
197	198	0.00	2	0.8	1225	PASS
198	198	100	100	100.0	156141	PASS
199	198	5	9	6.8	10617	PASS
275	198	10	60	27.5	42883	PASS
365	198	1	100	3.3	5208	PASS
441	198	0.01	100	13.2	20622	PASS
442	442	50	100	100.0	129669	PASS
443	442	15	24	19.1	24766	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/15/2024	BNA_F	BF140390.D
Compound Name	**Response**	**Retention Time**
DDT	501404	13.569
DDD	18593	13.263
DDE	712	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19305	520709	3.71

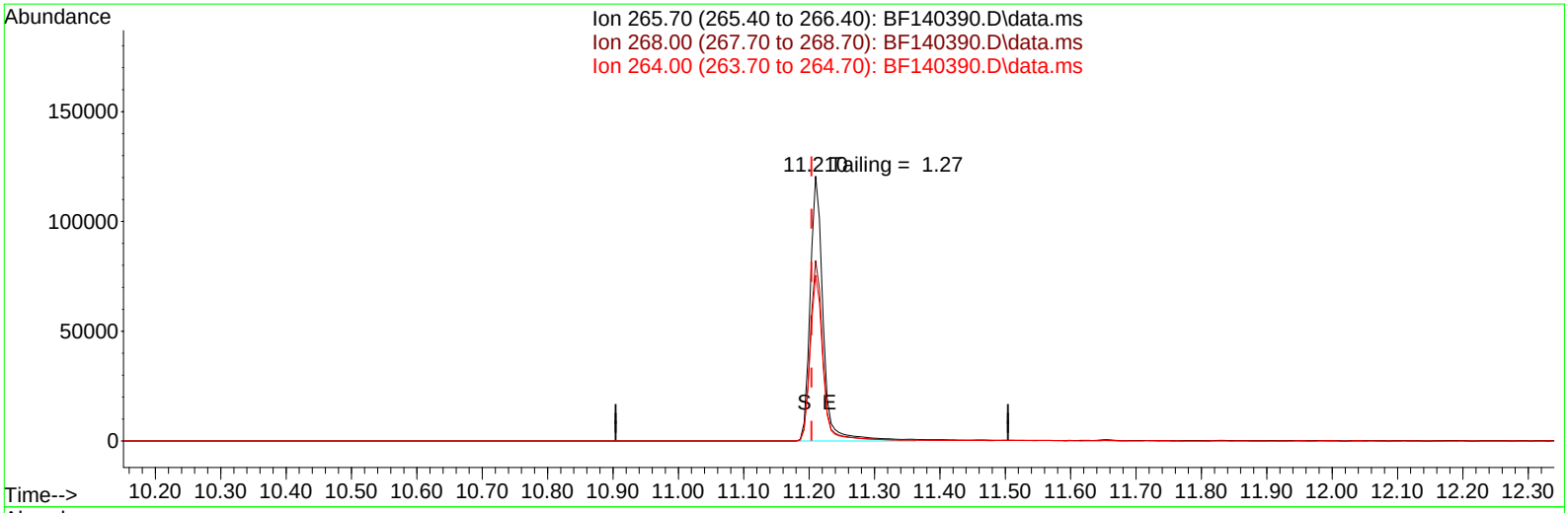
Instrument :
BNA_F
ClientSampleId :
DFTPP

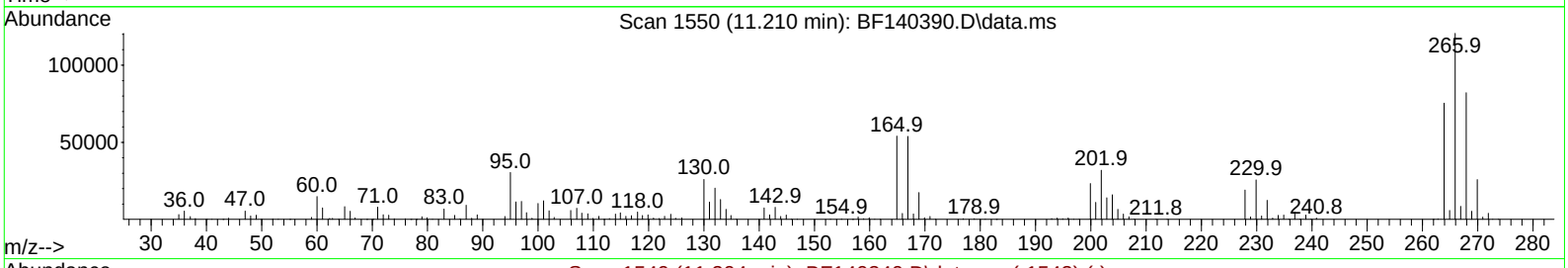
Sample Results: **BF140390.D**

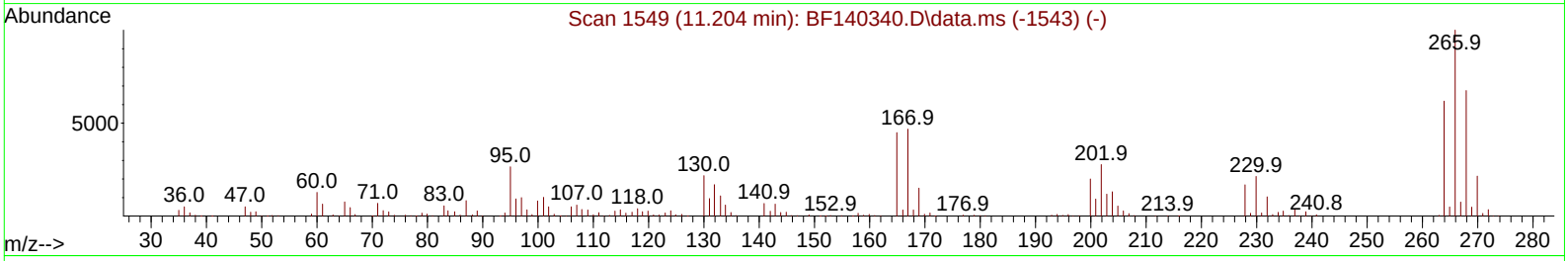
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 10:40:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140390.D\data.ms

(70) Pentachlorophenol (C)

11.210min (+ 0.006) 50509.13 ng

response 166467

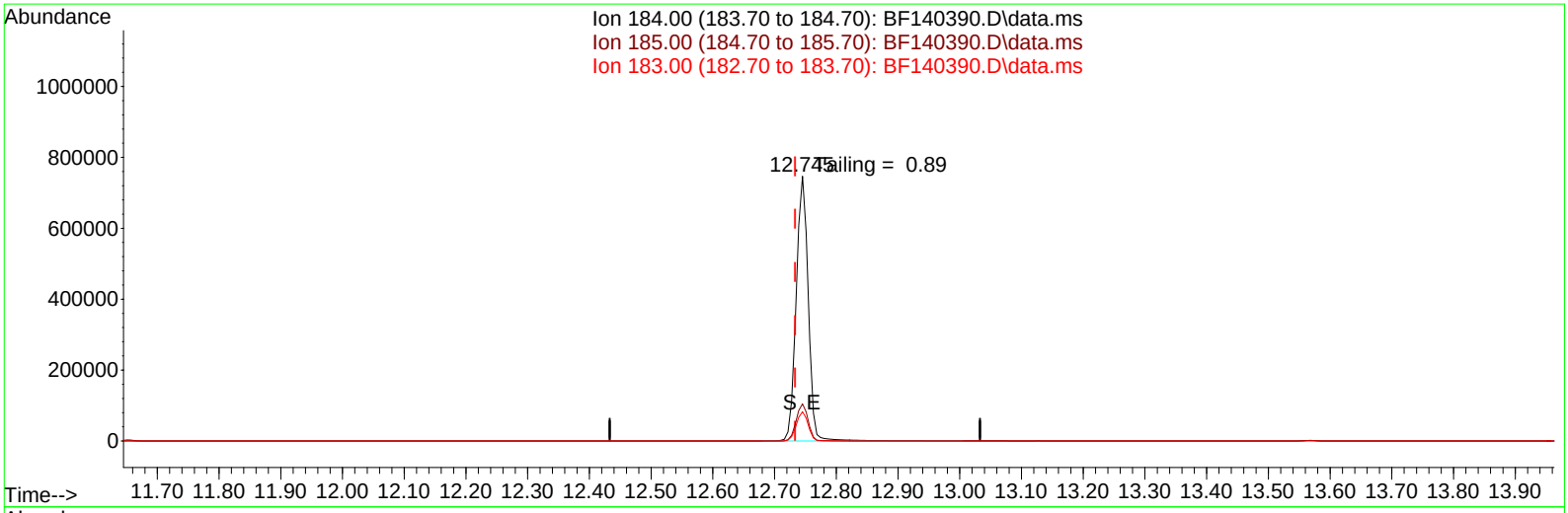
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	66.10	68.10
264.00	62.90	62.52
0.00	0.00	0.00

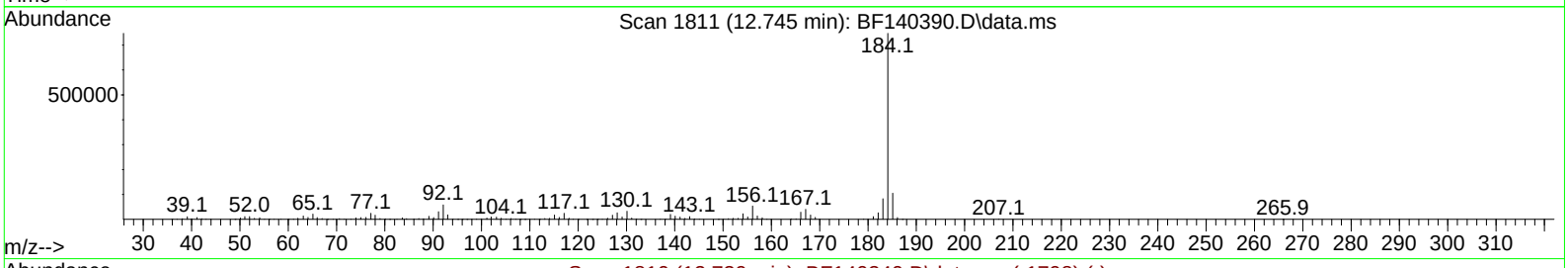
Sample Results: **BF140390.D**

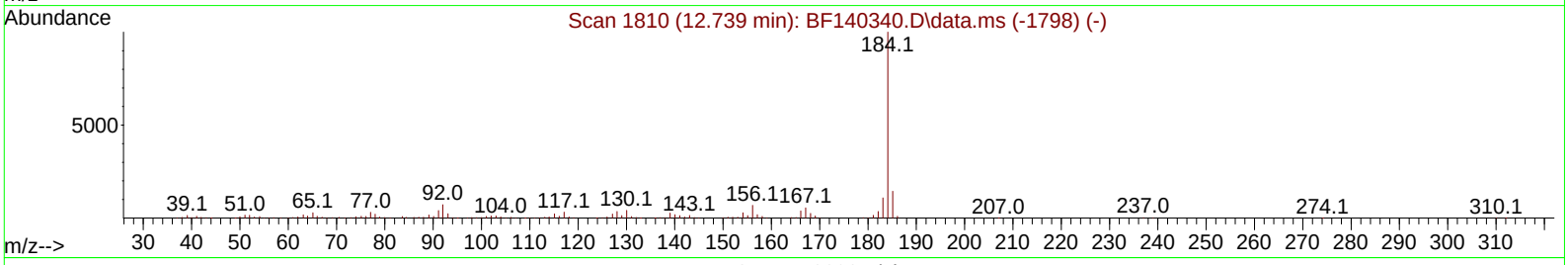
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140390.D
Acq On : 15 Nov 2024 09:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 15 10:40:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration







TIC: BF140390.D\data.ms

(77) Benzidine

12.745min (+ 0.012) 31749.52 ng

response 1013847

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.05
183.00	10.80	11.05
0.00	0.00	0.00

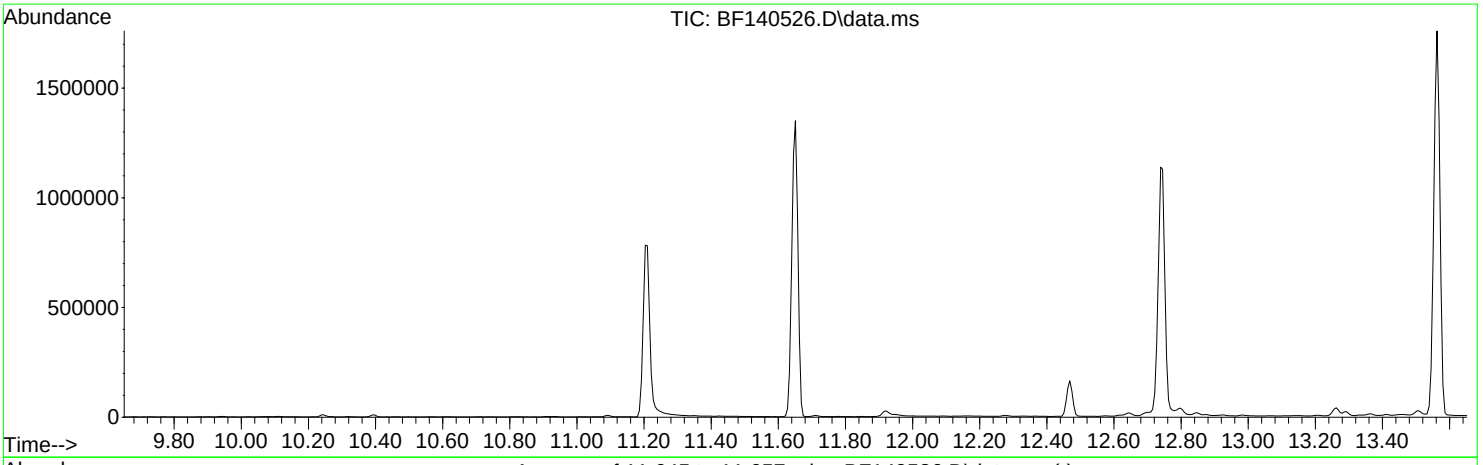
Sample Results: **BF140526.D**

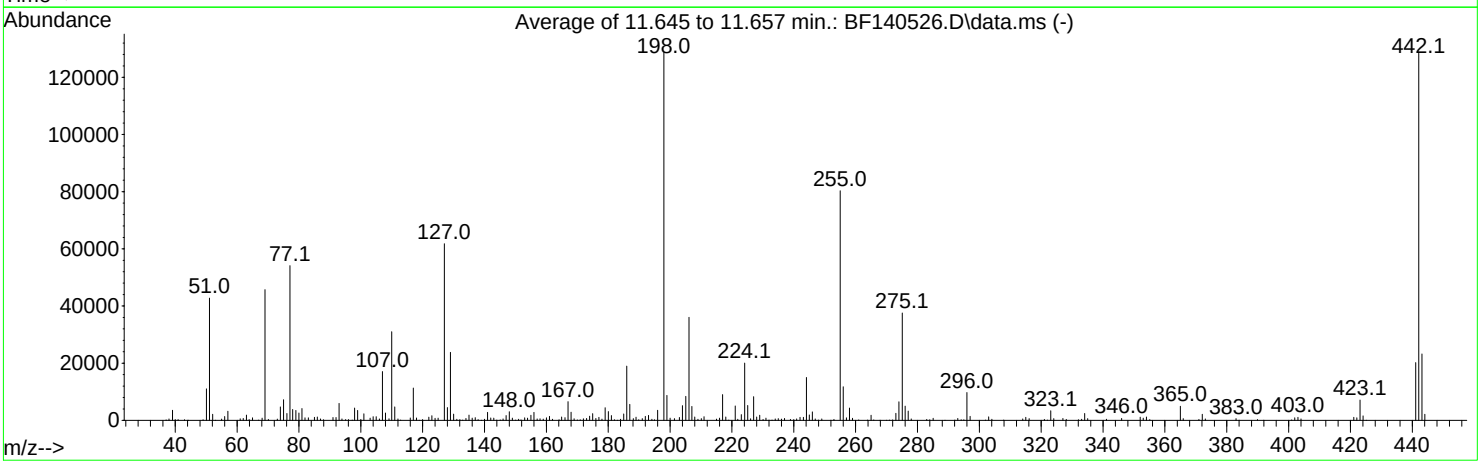
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.3	42792	PASS
68	69	0.00	2	1.8	810	PASS
69	198	0.00	100	35.5	45731	PASS
70	69	0.00	2	0.7	327	PASS
127	198	10	80	48.0	61811	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128688	PASS
199	198	5	9	6.8	8723	PASS
275	198	10	60	29.2	37552	PASS
365	198	1	100	3.8	4944	PASS
441	198	0.01	100	15.7	20189	PASS
442	442	50	100	100.0	128421	PASS
443	442	15	24	18.1	23261	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/21/2024	BNA_F	BF140526.D
Compound Name	**Response**	**Retention Time**
DDT	424151	13.562
DDD	14557	13.262
DDE	1132	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15689	439840	3.57

Instrument :
BNA_F
ClientSampleId :
DFTPP

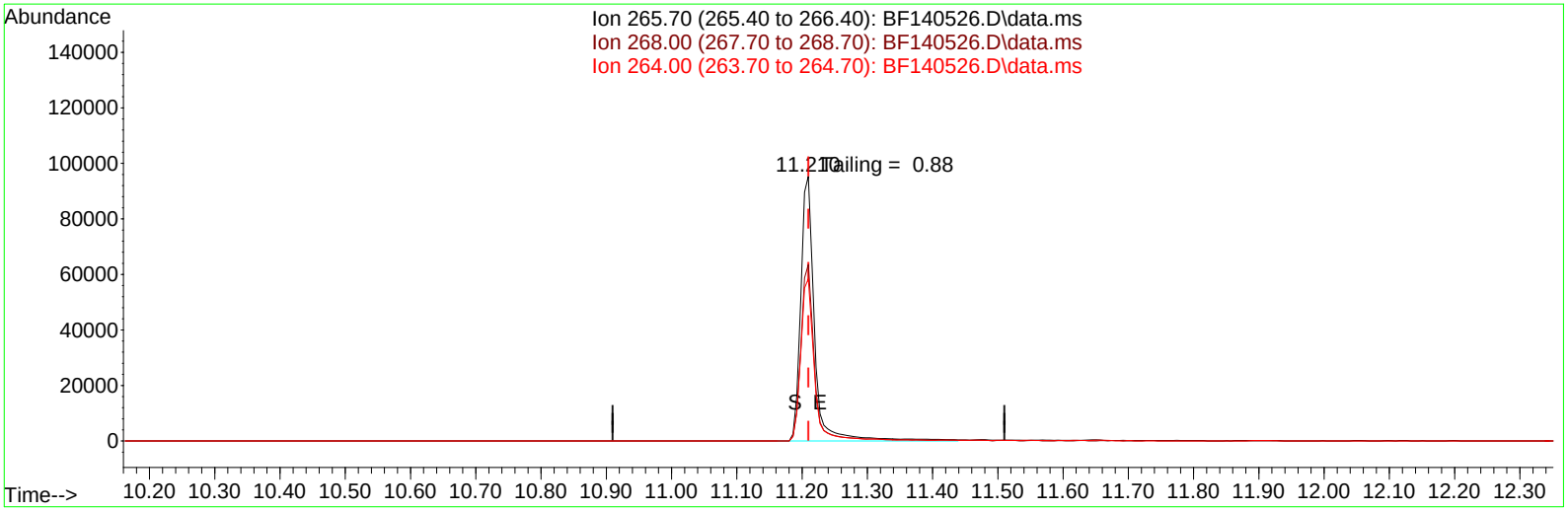
Quantitation Report (Qedit)

Sample Results: **BF140526.D**

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

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

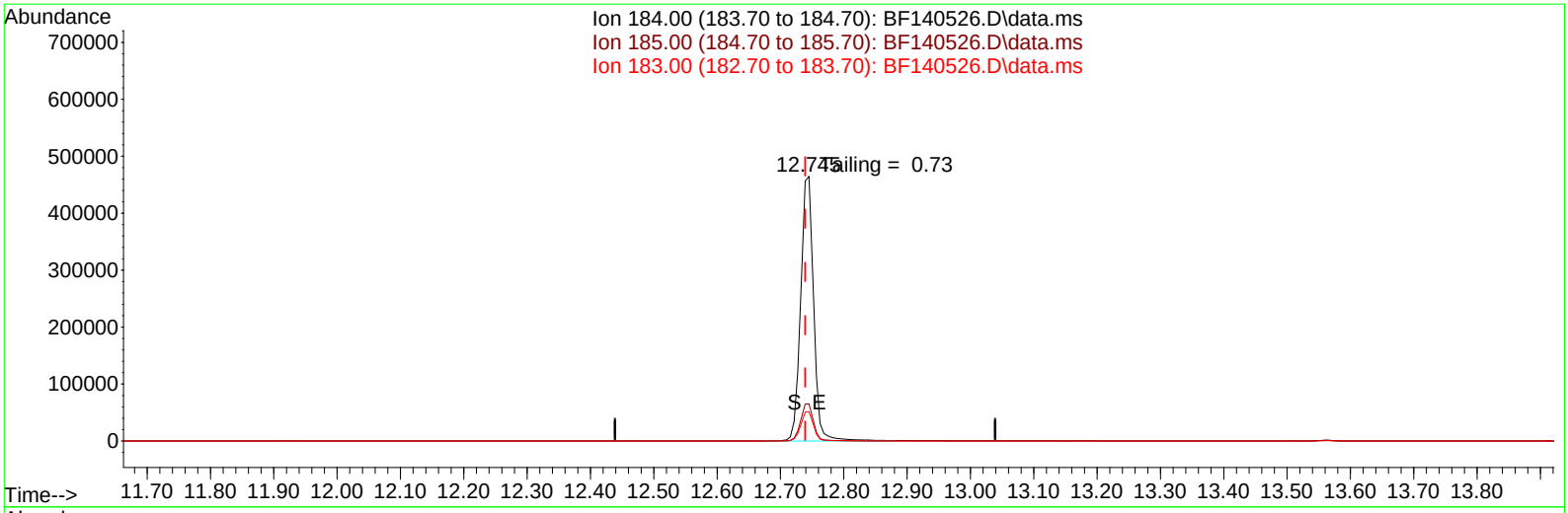


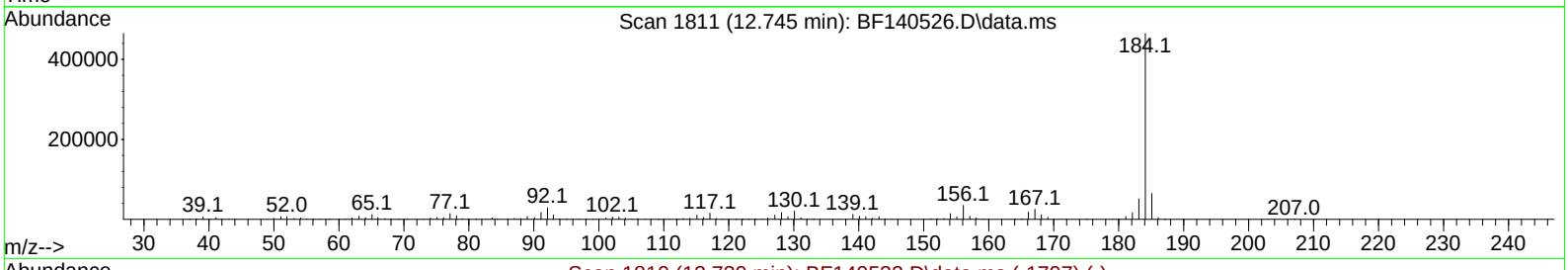
Sample Results: **BF140526.D**

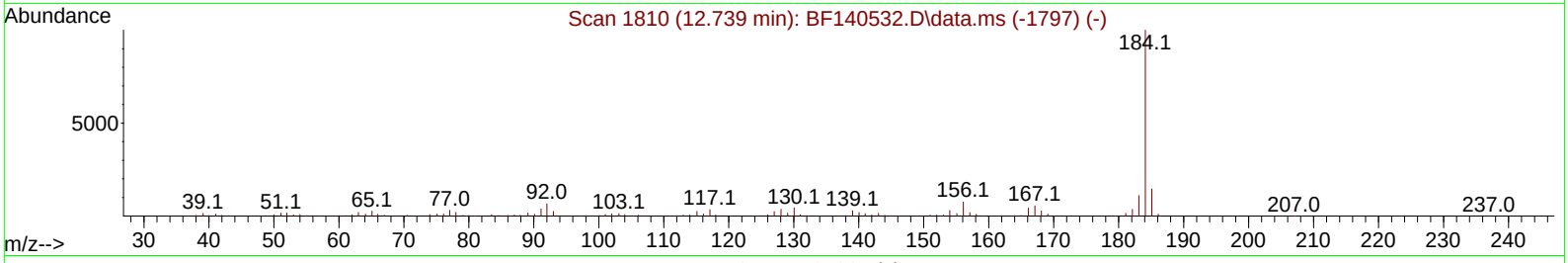
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112124\
Data File : BF140526.D
Acq On : 21 Nov 2024 10:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 21 15:24:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration







TIC: BF140526.D\data.ms

(77) Benzidine

12.745min (+ 0.006) 32779.12 ng

response 668077

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.02
183.00	11.00	11.11
0.00	0.00	0.00

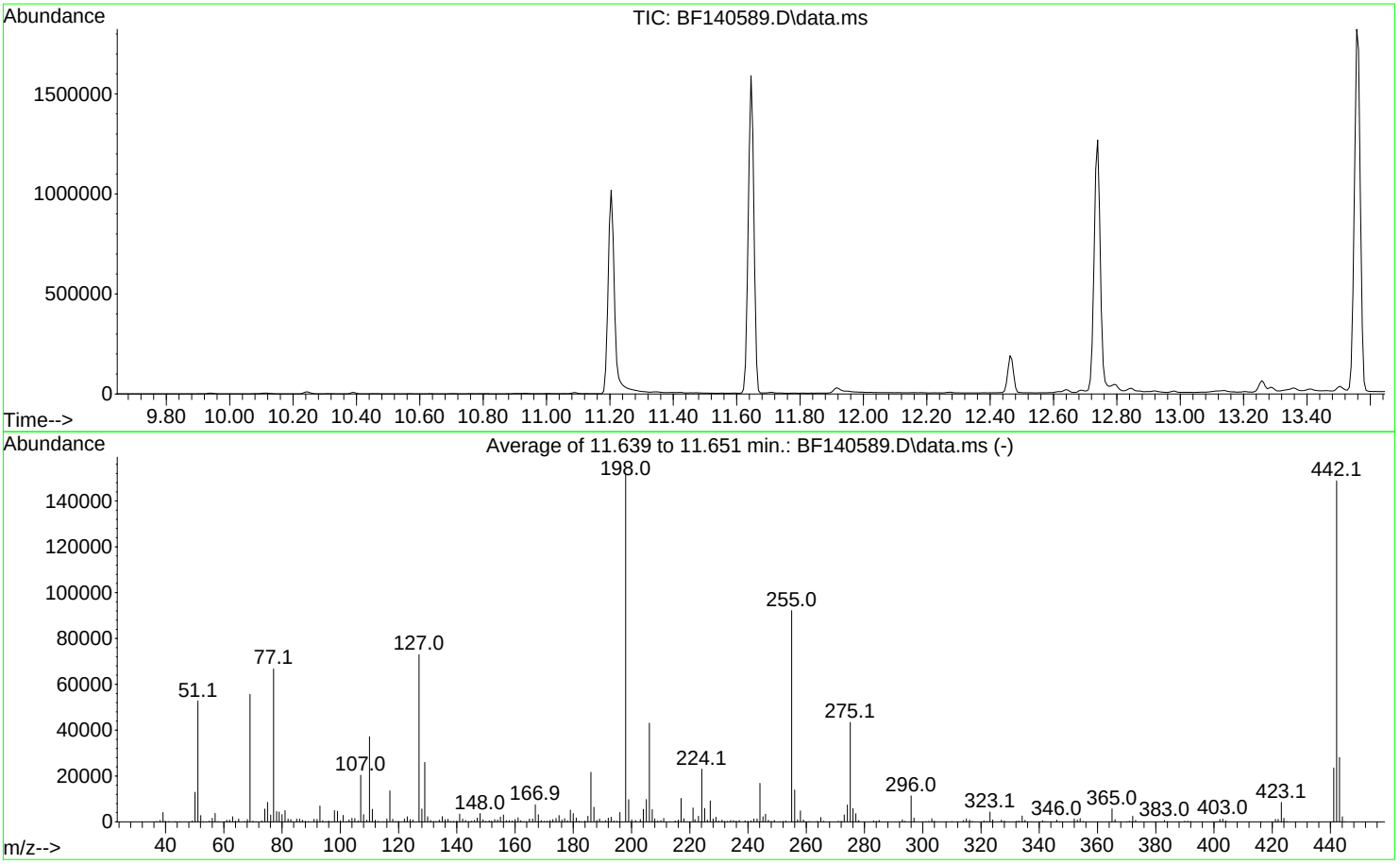
Sample Results: **BF140589.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140589.D
Acq On : 25 Nov 2024 09:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.8	52725	PASS
68	69	0.00	2	1.9	1053	PASS
69	198	0.00	100	36.7	55652	PASS
70	69	0.00	2	0.6	343	PASS
127	198	10	80	48.2	73005	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	151552	PASS
199	198	5	9	6.4	9710	PASS
275	198	10	60	28.6	43365	PASS
365	198	1	100	3.7	5678	PASS
441	198	0.01	100	15.5	23530	PASS
442	442	50	100	100.0	148813	PASS
443	442	15	24	18.9	28083	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/25/2024	BNA_F	BF140589.D
Compound Name	**Response**	**Retention Time**
DDT	468664	13.557
DDD	19968	13.257
DDE	1731	12.922
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21699	490363	4.43

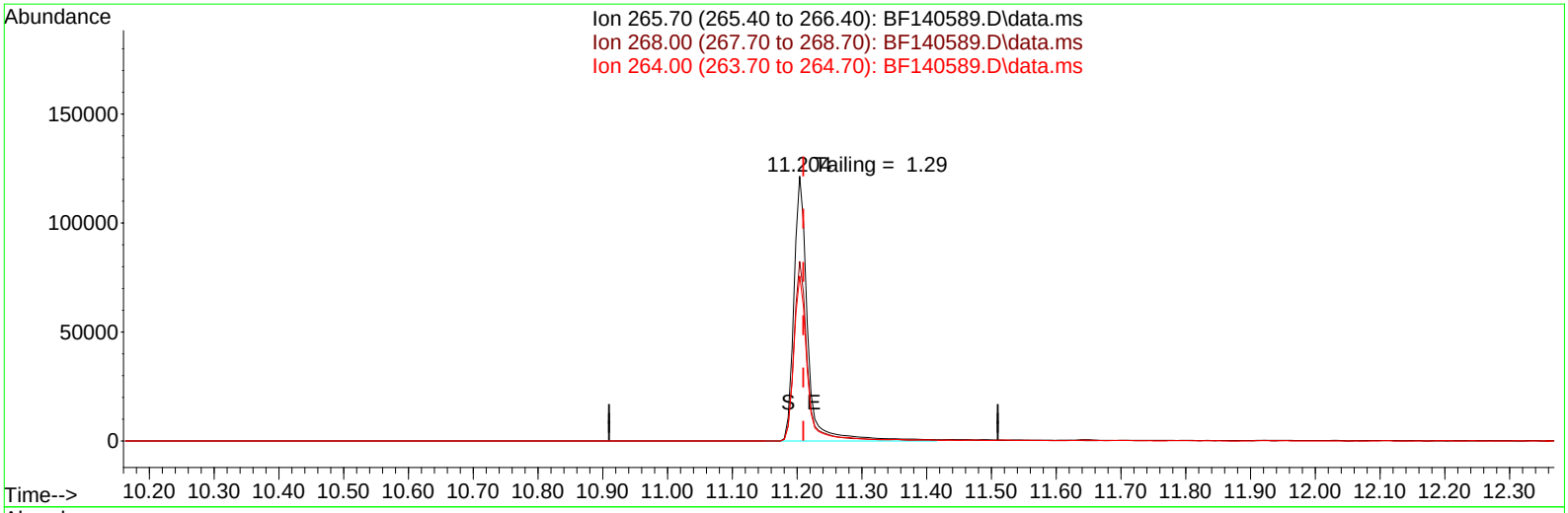
Instrument :
BNA_F
ClientSampleId :
DFTPP

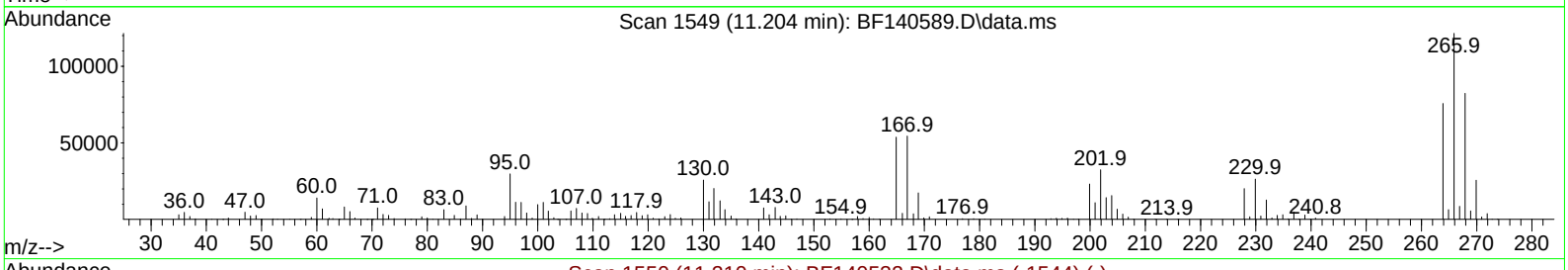
Sample Results: **BF140589.D**

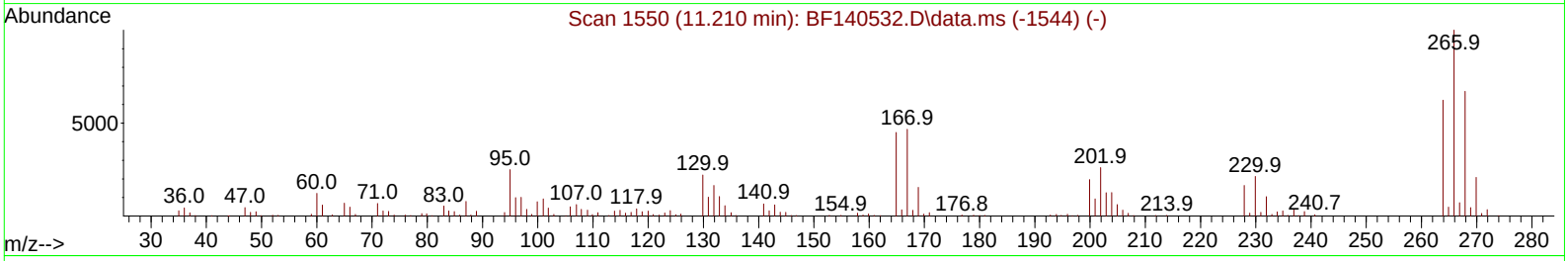
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140589.D
Acq On : 25 Nov 2024 09:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 25 10:32:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration







TIC: BF140589.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 31422.92 ng

response 179265

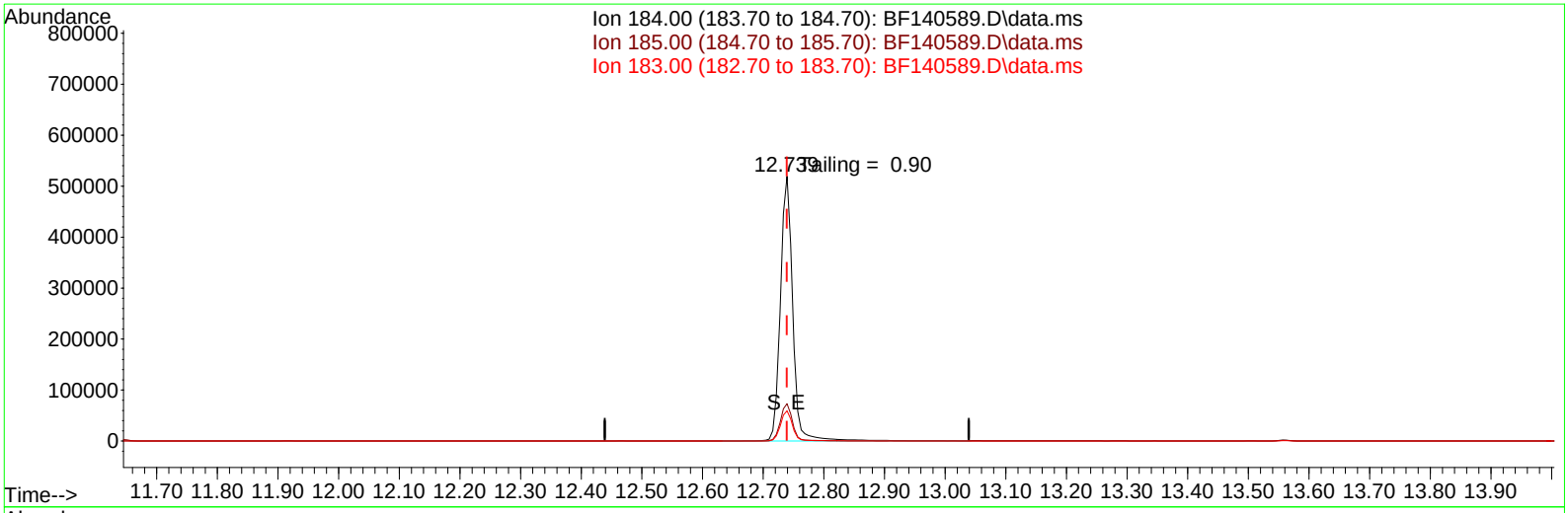
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	67.10	67.82
264.00	62.30	62.34
0.00	0.00	0.00

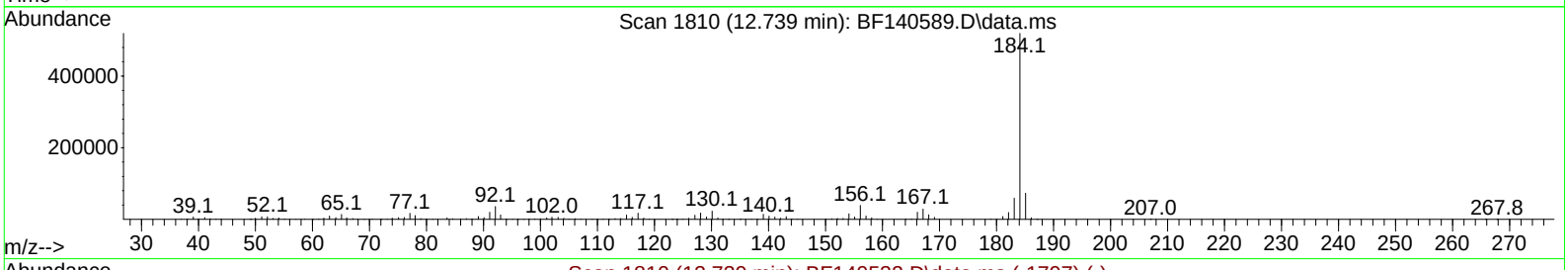
Sample Results: **BF140589.D**

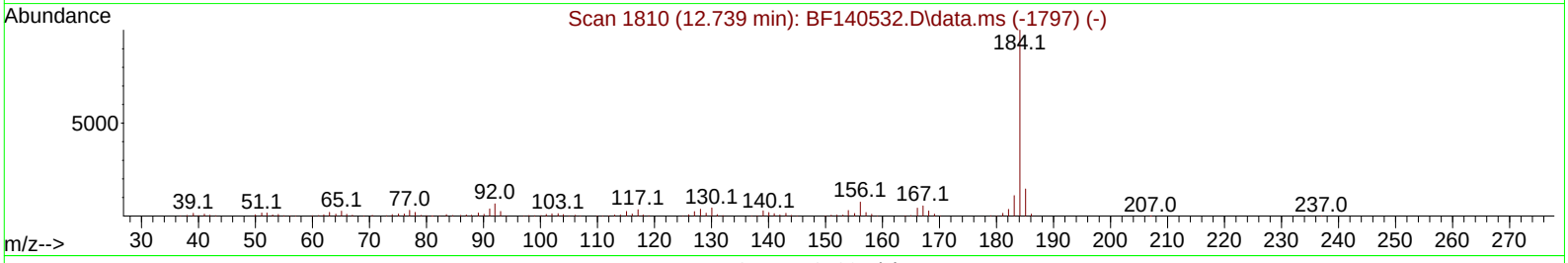
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
Data File : BF140589.D
Acq On : 25 Nov 2024 09:07
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Nov 25 10:32:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration







TIC: BF140589.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 27658.53 ng

response 736607

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.07
183.00	11.00	11.40
0.00	0.00	0.00

Raw Data: **BE101576.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BE101576.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BL	SDG No.:	P4722
Lab Sample ID:	PB164886BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101576.D	1	11/10/24 13:32	11/12/24 11:11	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	153		10 - 139	102%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 134	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.0		49 - 133	98%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		52 - 132	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	99.2		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43700	7.555			
1146-65-2	Naphthalene-d8	176000	10.322			
15067-26-2	Acenaphthene-d10	107000	14.165			
1517-22-2	Phenanthrene-d10	234000	16.903			
1719-03-5	Chrysene-d12	304000	21.069			
1520-96-3	Perylene-d12	454000	23.348			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101576.D
Acq On : 12 Nov 2024 11:11
Operator : RC/JU
Sample : PB164886BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Quant Time: Nov 12 12:01:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

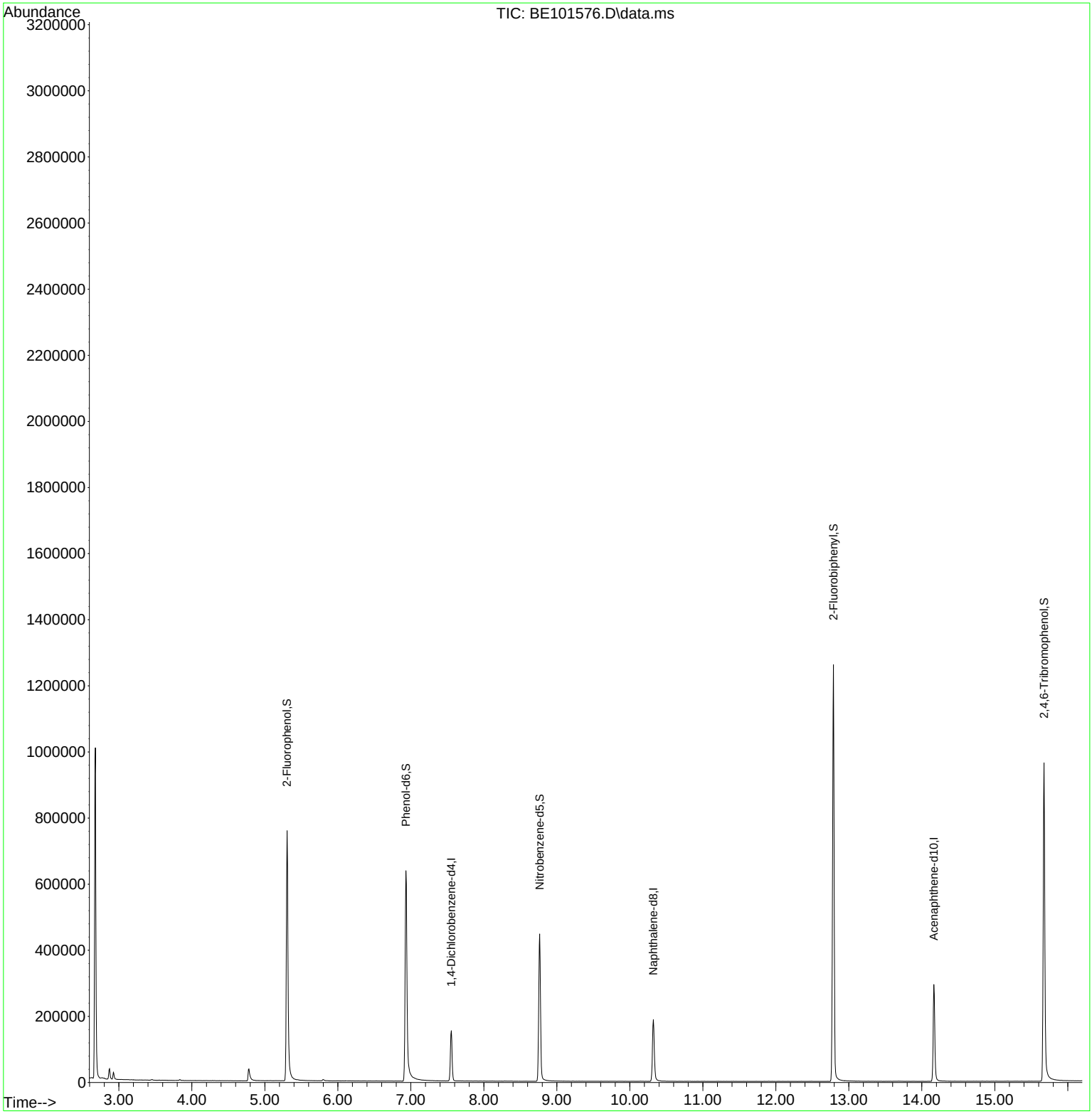
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.555	152	43722	20.000	ng	0.00
21) Naphthalene-d8	10.322	136	176416	20.000	ng	0.00
39) Acenaphthene-d10	14.165	164	107077	20.000	ng	0.00
64) Phenanthrene-d10	16.903	188	234410	20.000	ng	0.00
76) Chrysene-d12	21.069	240	303518	20.000	ng	0.00
86) Perylene-d12	23.348	264	454322	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	377504	152.668	ng	0.00
7) Phenol-d6	6.932	99	456197	134.560	ng	-0.01
23) Nitrobenzene-d5	8.765	82	273748	98.014	ng	0.00
42) 2,4,6-Tribromophenol	15.675	330	251995	125.068	ng	0.00
45) 2-Fluorobiphenyl	12.790	172	676726	103.193	ng	0.00
79) Terphenyl-d14	19.500	244	1360432	99.217	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101576.D
Acq On : 12 Nov 2024 11:11
Operator : RC/JU
Sample : PB164886BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Quant Time: Nov 12 12:01:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



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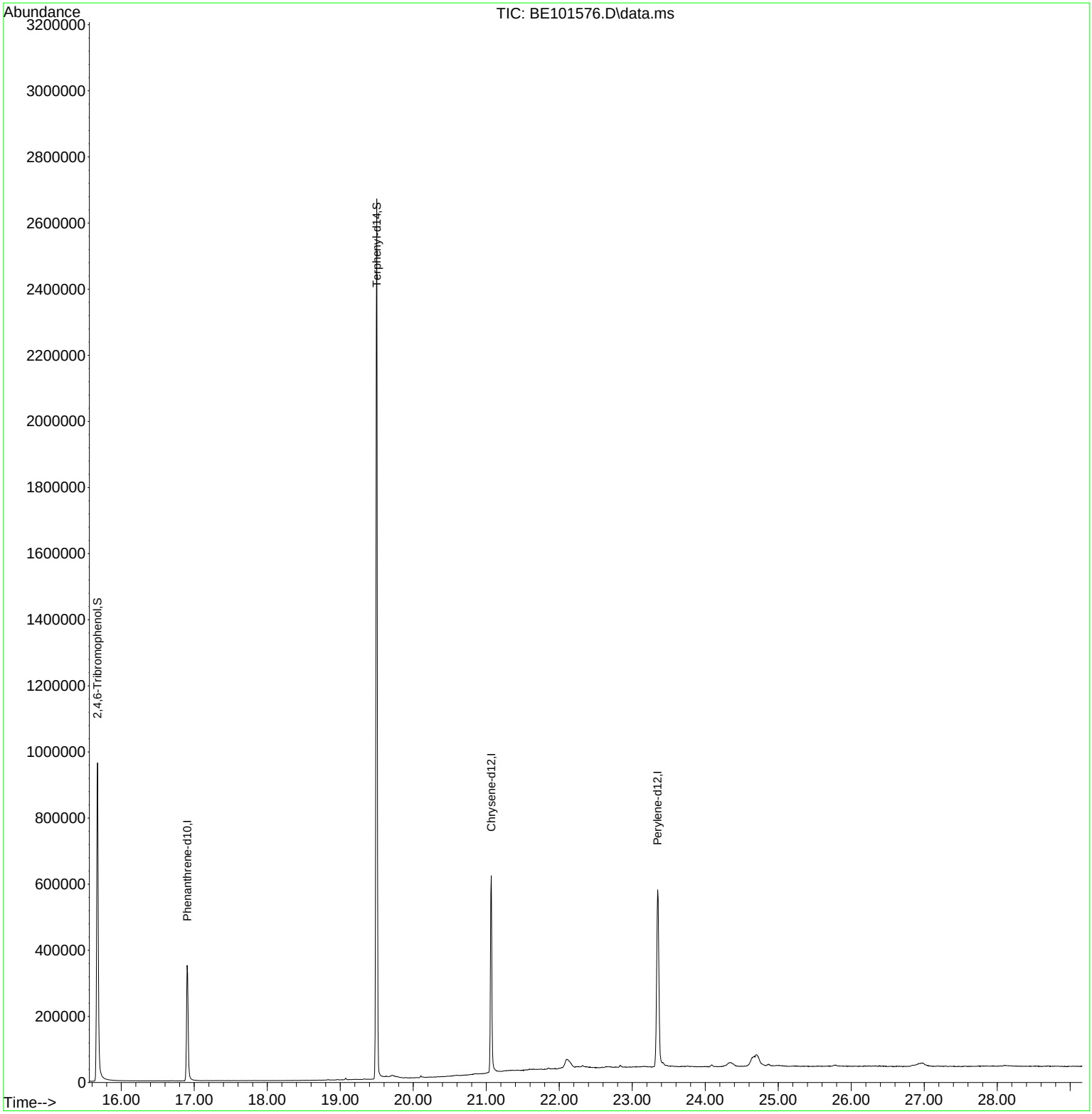
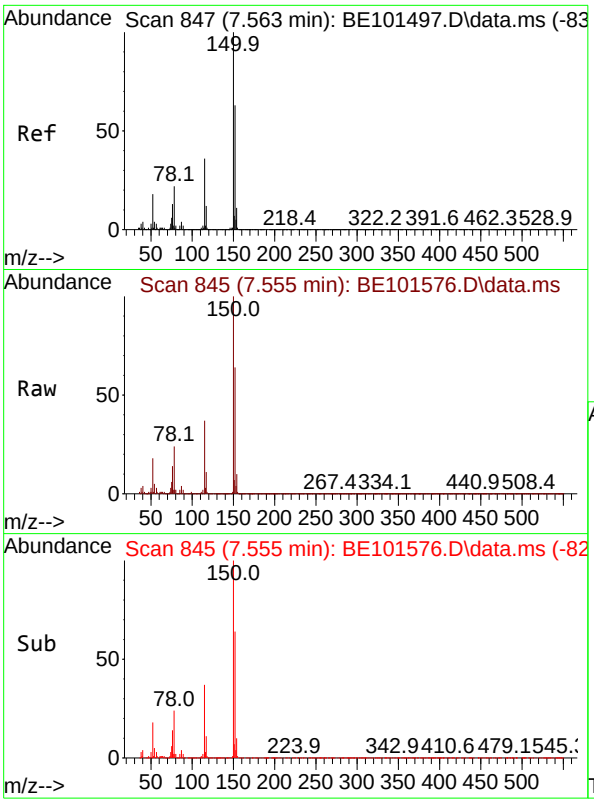
Data File : BE101576.D
Acq On : 12 Nov 2024 11:11
Operator : RC/JU
Sample : PB164886BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Quant Time: Nov 12 12:01:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration



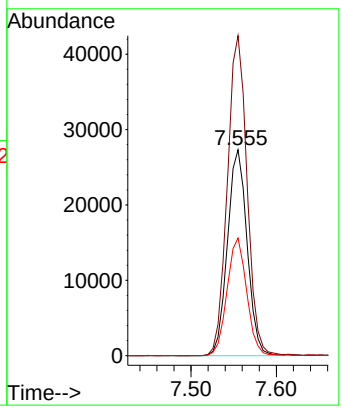


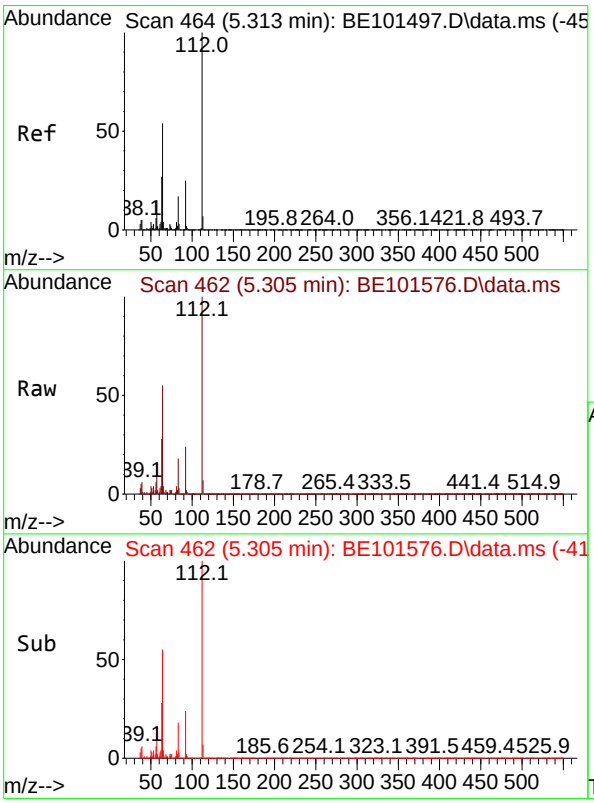
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.555 min Scan# 84
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion:152 Resp: 43722

Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.3	189.5
115	57.1	45.0	67.4

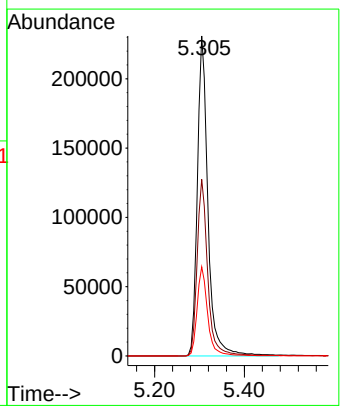


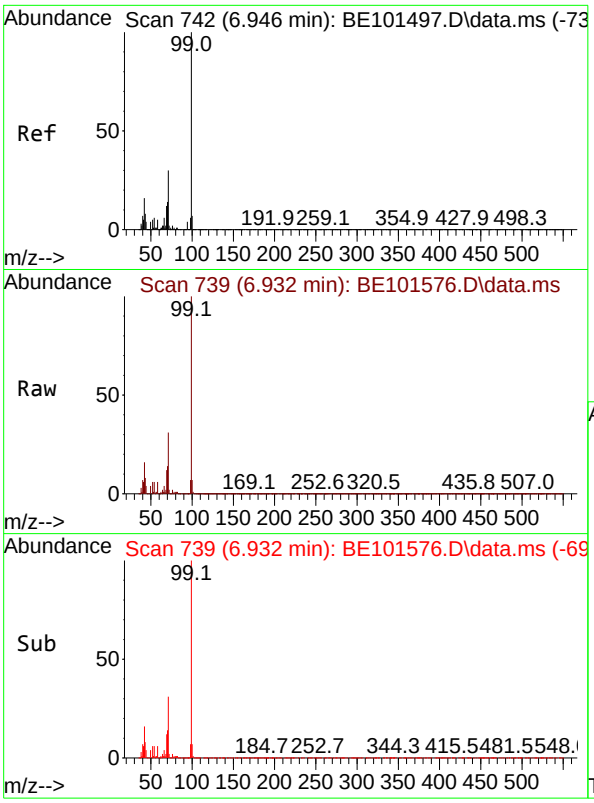


#5
2-Fluorophenol
Concen: 152.668 ng
RT: 5.305 min Scan# 462
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:112 Resp: 377504

Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.2	64.8
63	27.9	21.8	32.6



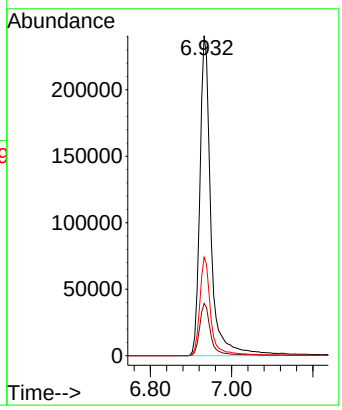


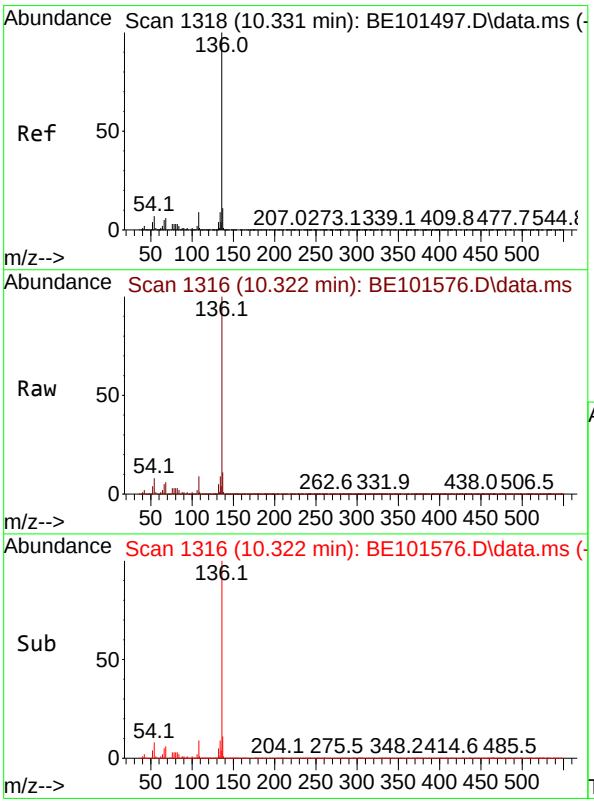
#7
Phenol-d6
Concen: 134.560 ng
RT: 6.932 min Scan# 7
Delta R.T. -0.014 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion: 99 Resp: 456197

Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.5	18.7
71	30.8	24.2	36.2

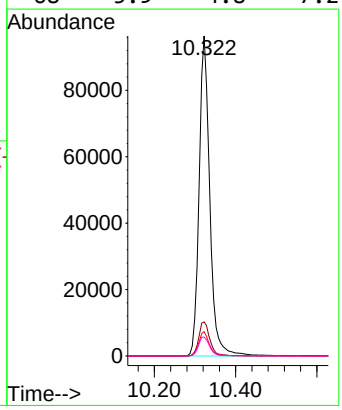


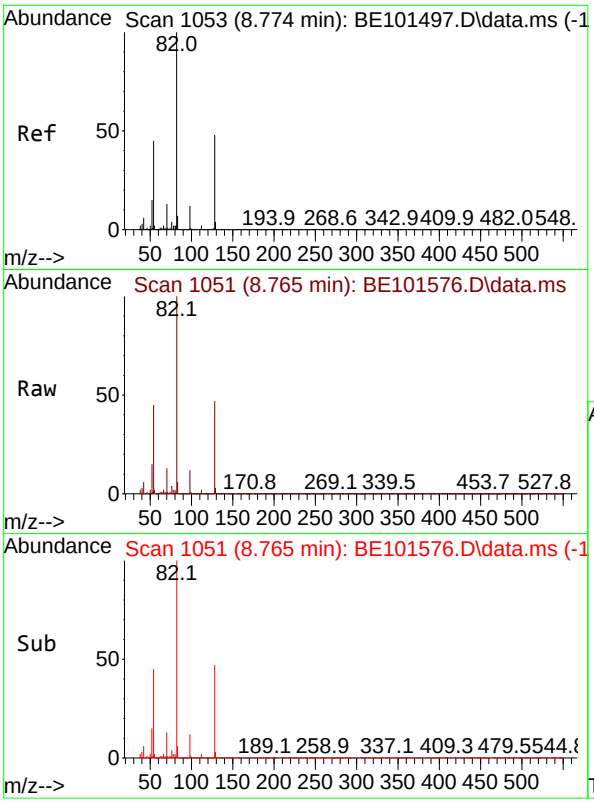


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.322 min Scan# 1316
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:136 Resp: 176416

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.6	5.6	8.4
68	5.9	4.8	7.2



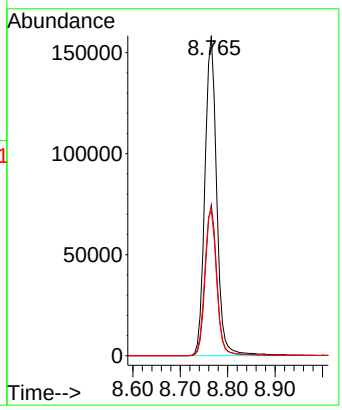


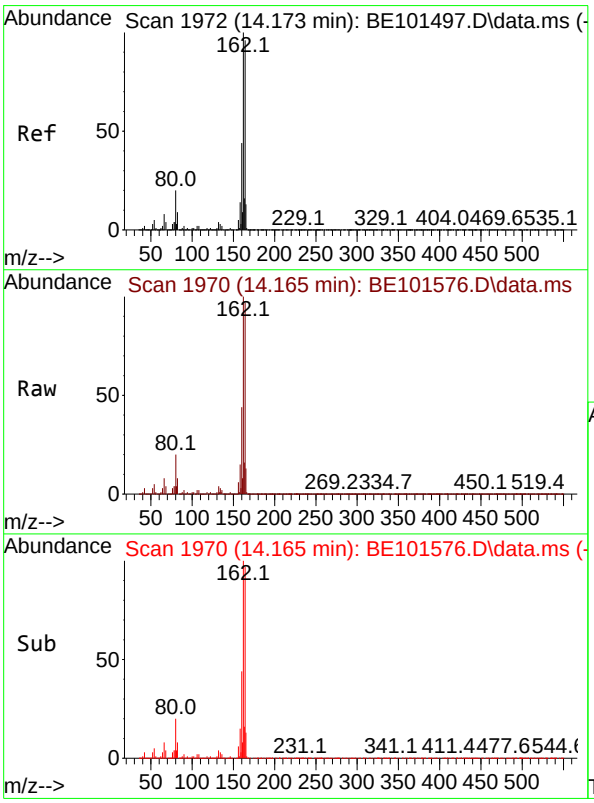
#23
Nitrobenzene-d5
Concen: 98.014 ng
RT: 8.765 min Scan# 1
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion: 82 Resp: 273748

Ion	Ratio	Lower	Upper
82	100		
128	47.1	38.6	58.0
54	45.2	36.3	54.5

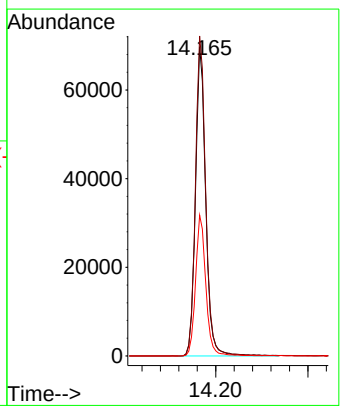


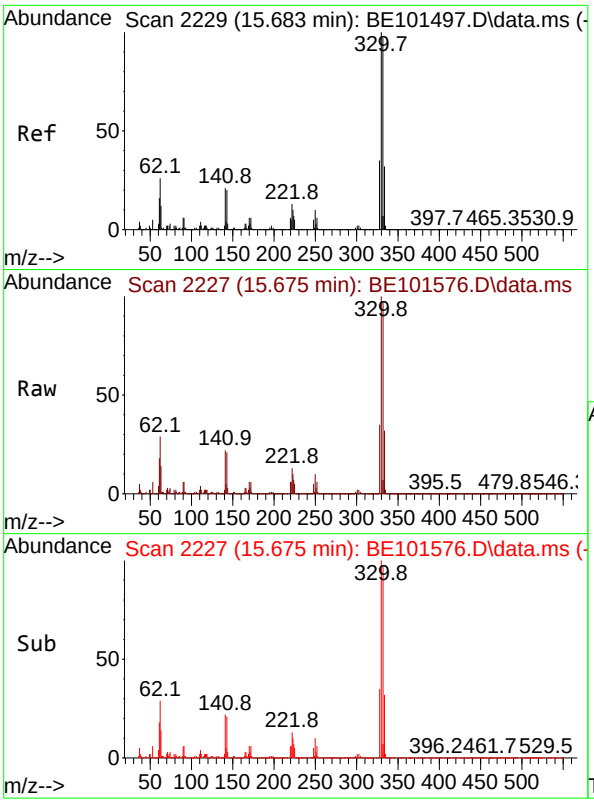


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.165 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:164 Resp: 107077

Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.7	125.5
160	45.5	37.1	55.7



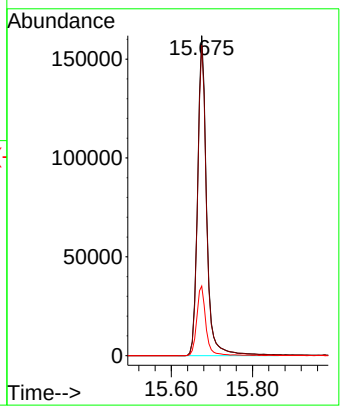


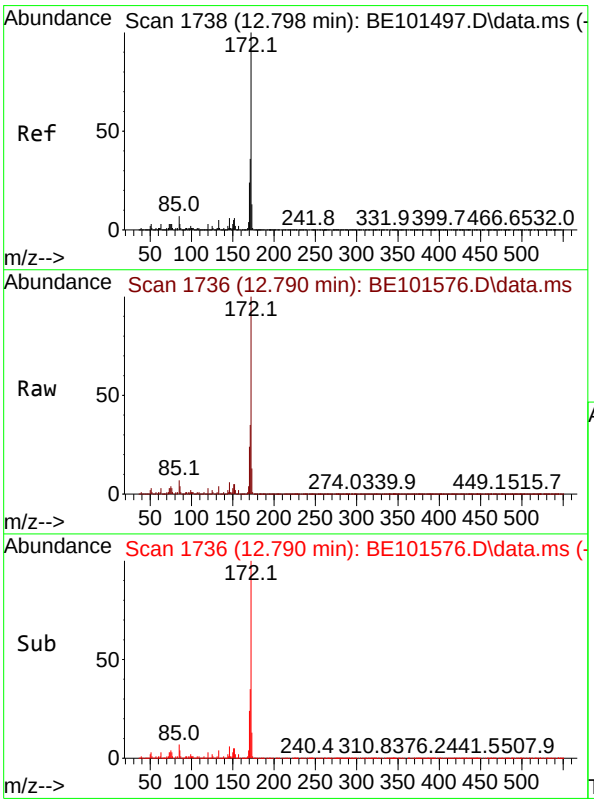
#42
2,4,6-Tribromophenol
Concen: 125.068 ng
RT: 15.675 min Scan# 2
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion:330 Resp: 251995

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	21.9	17.0	25.4

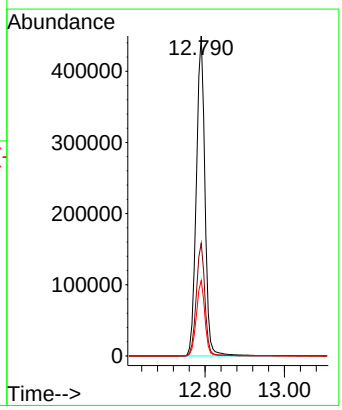


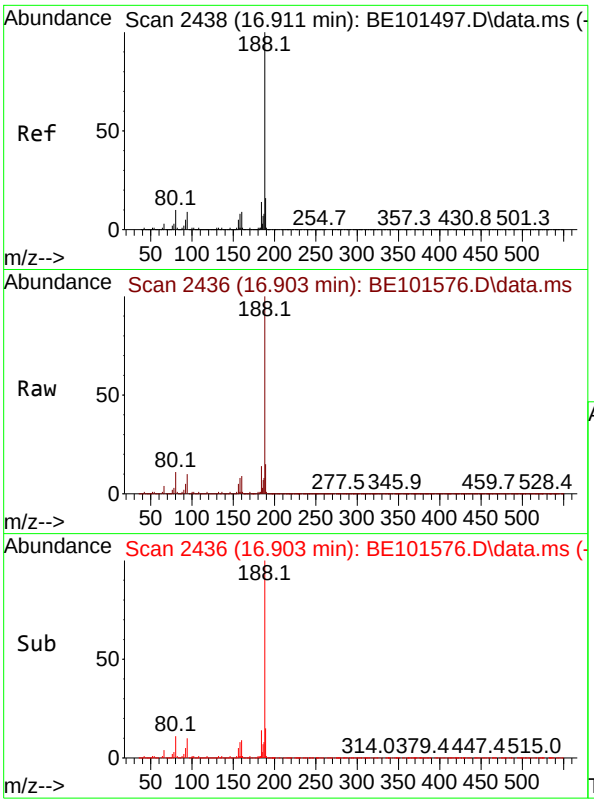


#45
2-Fluorobiphenyl
Concen: 103.193 ng
RT: 12.790 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:172 Resp: 676726

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	43.0
170	23.6	18.9	28.3



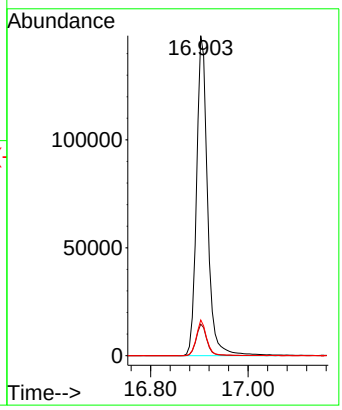


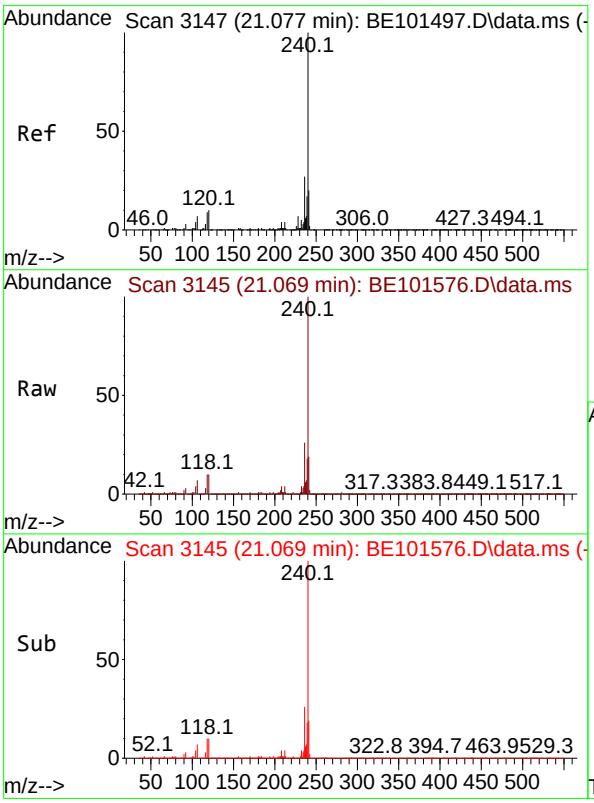
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.903 min Scan# 24
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion:188 Resp: 234410

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.4	11.2
80	11.1	8.0	12.0

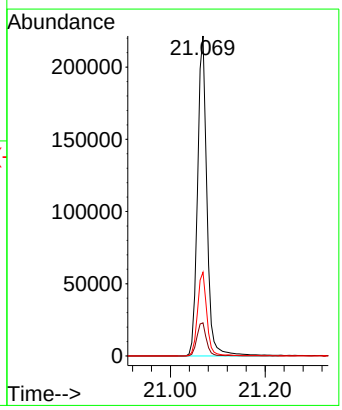


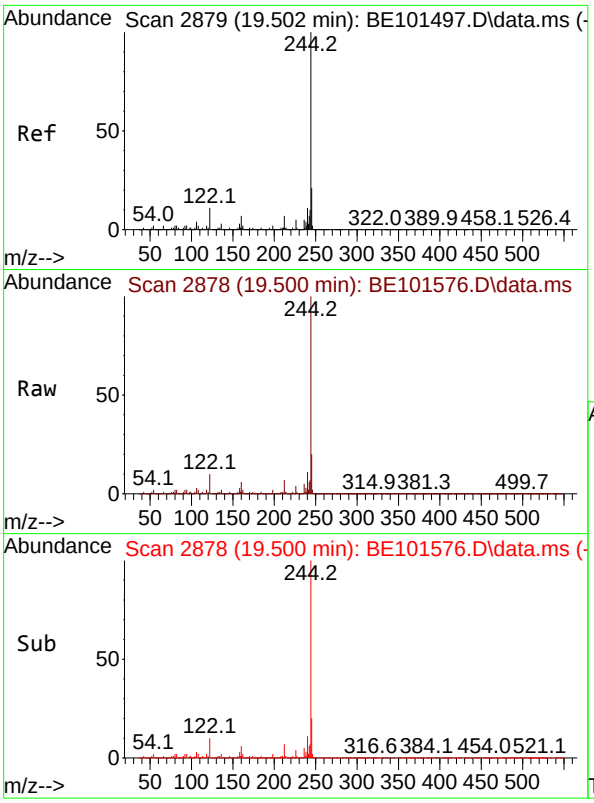


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.069 min Scan# 3145
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:240 Resp: 303518

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.4
236	26.1	21.4	32.2



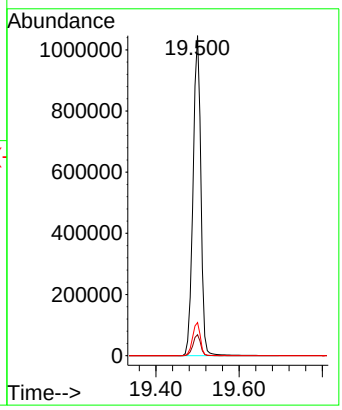


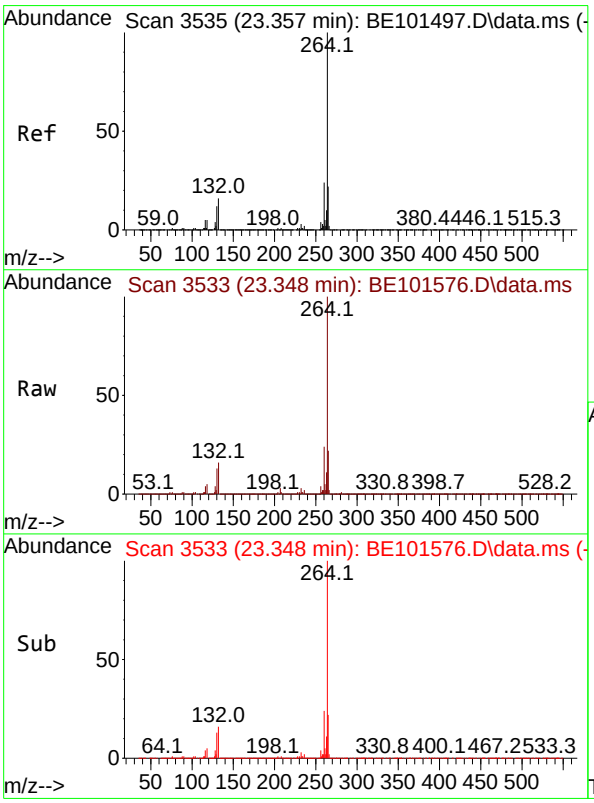
#79
Terphenyl-d14
Concen: 99.217 ng
RT: 19.500 min Scan# 2
Delta R.T. -0.002 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Instrument :
BNA_E
ClientSampleId :
PB164886BL

Tgt Ion:244 Resp: 1360432

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	10.4	8.4	12.6

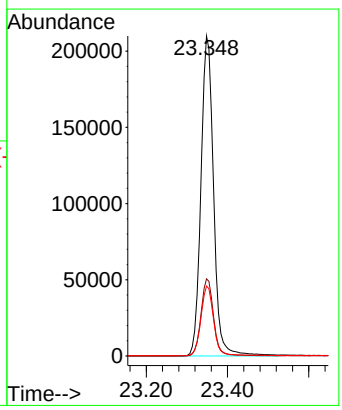




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.348 min Scan# 3533
Delta R.T. -0.008 min
Lab File: BE101576.D
Acq: 12 Nov 2024 11:11

Tgt Ion:264 Resp: 454322

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.9	17.4	26.2



Raw Data: **BF140394.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	40.9		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.2		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.2		0.71	5.00	ug/L
95-48-7	2-Methylphenol	42.1		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.0		1.40	5.00	ug/L
98-86-2	Acetophenone	41.8		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.5		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	42.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	40.3		1.30	5.00	ug/L
78-59-1	Isophorone	41.5		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	50.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40.8		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	42.7		0.88	5.00	ug/L
91-20-3	Naphthalene	41.2		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	31.3		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.5		1.30	5.00	ug/L
105-60-2	Caprolactam	44.2		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.5		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.3		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.2		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	44.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	42.8		0.93	5.00	ug/L

Raw Data: **BF140394.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	41.5		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	33.0		1.40	5.00	ug/L
83-32-9	Acenaphthene	48.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.7	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	89.1	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	43.3		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.1		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.3		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.5		0.98	5.00	ug/L
86-73-7	Fluorene	42.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.7		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.7		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	42.1		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	42.3		1.10	5.00	ug/L
1912-24-9	Atrazine	35.1		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	83.4	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.7		0.89	5.00	ug/L
120-12-7	Anthracene	45.3		1.10	5.00	ug/L
86-74-8	Carbazole	43.0		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	42.0		1.30	5.00	ug/L
129-00-0	Pyrene	46.1		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	46.2		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.3		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.8		0.94	5.00	ug/L
218-01-9	Chrysene	45.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.4		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	38.5		1.10	5.00	ug/L

Raw Data: **BF140394.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	
Client Sample ID:	PB164886BS	SDG No.:	P4722
Lab Sample ID:	PB164886BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140394.D	1	11/10/24 13:32	11/15/24 11:00	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.7		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.7		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.0		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.5		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	36.8		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		10 - 139	82%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.1		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	93.2		48 - 125	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	150000	6.875			
1146-65-2	Naphthalene-d8	577000	8.157			
15067-26-2	Acenaphthene-d10	317000	9.916			
1517-22-2	Phenanthrene-d10	599000	11.404			
1719-03-5	Chrysene-d12	344000	14.068			
1520-96-3	Perylene-d12	316000	15.58			

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\BF111524\
Data File : BF140394.D
Acq On : 15 Nov 2024 11:00
Operator : RC/JU
Sample : PB164886BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:44:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164886BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	150149	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	576878	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	316651	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	599000	20.000	ng		0.00
76) Chrysene-d12	14.068	240	344150	20.000	ng		0.02
86) Perylene-d12	15.580	264	315700	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.522	112	1083525	123.211	ng		0.03
7) Phenol-d6	6.528	99	1401882	117.661	ng		0.02
23) Nitrobenzene-d5	7.439	82	931424	84.125	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	410503	130.366	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1619106	82.197	ng		0.00
79) Terphenyl-d14	12.992	244	1847948	93.205	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	144193	36.789	ng		99
3) Pyridine	3.493	79	367423	38.131	ng		99
4) n-Nitrosodimethylamine	3.451	42	208945	42.905	ng		99
6) Aniline	6.539	93	410114	39.569	ng	#	13
8) 2-Chlorophenol	6.669	128	417922	44.241	ng		98
9) Benzaldehyde	6.428	77	21505	3.012	ng		94
10) Phenol	6.539	94	513962	40.905	ng	#	68
11) bis(2-Chloroethyl)ether	6.610	93	411350	43.207	ng		99
12) 1,3-Dichlorobenzene	6.816	146	426828	40.951	ng		99
13) 1,4-Dichlorobenzene	6.892	146	435435	41.201	ng		99
14) 1,2-Dichlorobenzene	7.045	146	414513	42.249	ng		99
15) Benzyl Alcohol	7.022	79	375350	43.726	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.145	45	538924	40.982	ng	#	37
17) 2-Methylphenol	7.139	107	327492	42.143	ng	#	91
18) Hexachloroethane	7.386	117	164015	41.979	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	295881	41.118	ng		99
20) 3+4-Methylphenols	7.292	107	413437	42.542	ng		95
22) Acetophenone	7.287	105	560563	41.780	ng		99
24) Nitrobenzene	7.457	77	464908	40.329	ng		99
25) Isophorone	7.698	82	815295	41.548	ng		100
26) 2-Nitrophenol	7.775	139	223403	43.672	ng		99
27) 2,4-Dimethylphenol	7.816	122	333611m	50.939	ng		
28) bis(2-Chloroethoxy)met...	7.904	93	491055	40.812	ng		100
29) 2,4-Dichlorophenol	8.022	162	345383	42.672	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	360873	40.047	ng		100
31) Naphthalene	8.181	128	1204408	41.157	ng		100
32) Benzoic acid	7.945	122	249229	43.248	ng		96
33) 4-Chloroaniline	8.228	127	318749	31.320	ng		99
34) Hexachlorobutadiene	8.292	225	232791	40.545	ng		99
35) Caprolactam	8.598	113	118992m	44.232	ng		
36) 4-Chloro-3-methylphenol	8.722	107	382581	42.653	ng		99
37) 2-Methylnaphthalene	8.869	142	779061	41.518	ng		100
38) 1-Methylnaphthalene	8.969	142	715970	38.964	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	366912	41.902	ng		99
41) Hexachlorocyclopentadiene	9.022	237	382182	169.991	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	247125	43.004	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140394.D
Acq On : 15 Nov 2024 11:00
Operator : RC/JU
Sample : PB164886BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB164886BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 11:44:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	266023	42.341	ng	97
46) 1,1'-Biphenyl	9.333	154	950078	41.243	ng	99
47) 2-Chloronaphthalene	9.363	162	719286	40.989	ng	99
48) 2-Nitroaniline	9.463	65	258271	44.379	ng	100
49) Acenaphthylene	9.780	152	1195706	45.036	ng	100
50) Dimethylphthalate	9.639	163	882347	42.750	ng	99
51) 2,6-Dinitrotoluene	9.698	165	195426	41.533	ng	98
52) Acenaphthene	9.951	154	868744m	48.445	ng	
53) 3-Nitroaniline	9.875	138	163085	33.003	ng	99
54) 2,4-Dinitrophenol	9.980	184	234698	96.725	ng	97
55) Dibenzofuran	10.122	168	1099605	43.316	ng	100
56) 4-Nitrophenol	10.051	139	320998	89.058	ng	98
57) 2,4-Dinitrotoluene	10.110	165	272858	44.061	ng	98
58) Fluorene	10.469	166	843339	42.053	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	232266	46.820	ng	97
60) Diethylphthalate	10.333	149	892587	42.293	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	410580	41.470	ng	98
62) 4-Nitroaniline	10.492	138	220910	43.722	ng	100
63) Azobenzene	10.616	77	878054	42.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	157937	49.007	ng	99
66) n-Nitrosodiphenylamine	10.575	169	755732	43.666	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	252075	42.099	ng	99
68) Hexachlorobenzene	11.016	284	284843	42.281	ng	97
69) Atrazine	11.104	200	183883	35.118	ng	100
70) Pentachlorophenol	11.216	266	302760	83.428	ng	99
71) Phenanthrene	11.433	178	1229610	43.699	ng	100
72) Anthracene	11.480	178	1249524	45.310	ng	100
73) Carbazole	11.639	167	1169783	42.959	ng	100
74) Di-n-butylphthalate	11.963	149	1351711	41.360	ng	100
75) Fluoranthene	12.621	202	1327049	42.037	ng	100
77) Benzidine	12.739	184	244785	18.532	ng	98
78) Pyrene	12.851	202	1358443	46.147	ng	99
80) Butylbenzylphthalate	13.463	149	522743	46.226	ng	99
81) Benzo(a)anthracene	14.051	228	1036279	45.816	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	275560	38.330	ng	98
83) Chrysene	14.092	228	927679	44.951	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	669927	44.383	ng	100
85) Di-n-octyl phthalate	14.680	149	928629	43.682	ng	100
87) Indeno(1,2,3-cd)pyrene	17.098	276	897189	46.006	ng	99
88) Benzo(b)fluoranthene	15.145	252	796026	38.546	ng	99
89) Benzo(k)fluoranthene	15.174	252	788699	46.749	ng	100
90) Benzo(a)pyrene	15.521	252	748285	46.659	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	729963	45.283	ng	100
92) Benzo(g,h,i)perylene	17.556	276	683162	41.454	ng	100

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

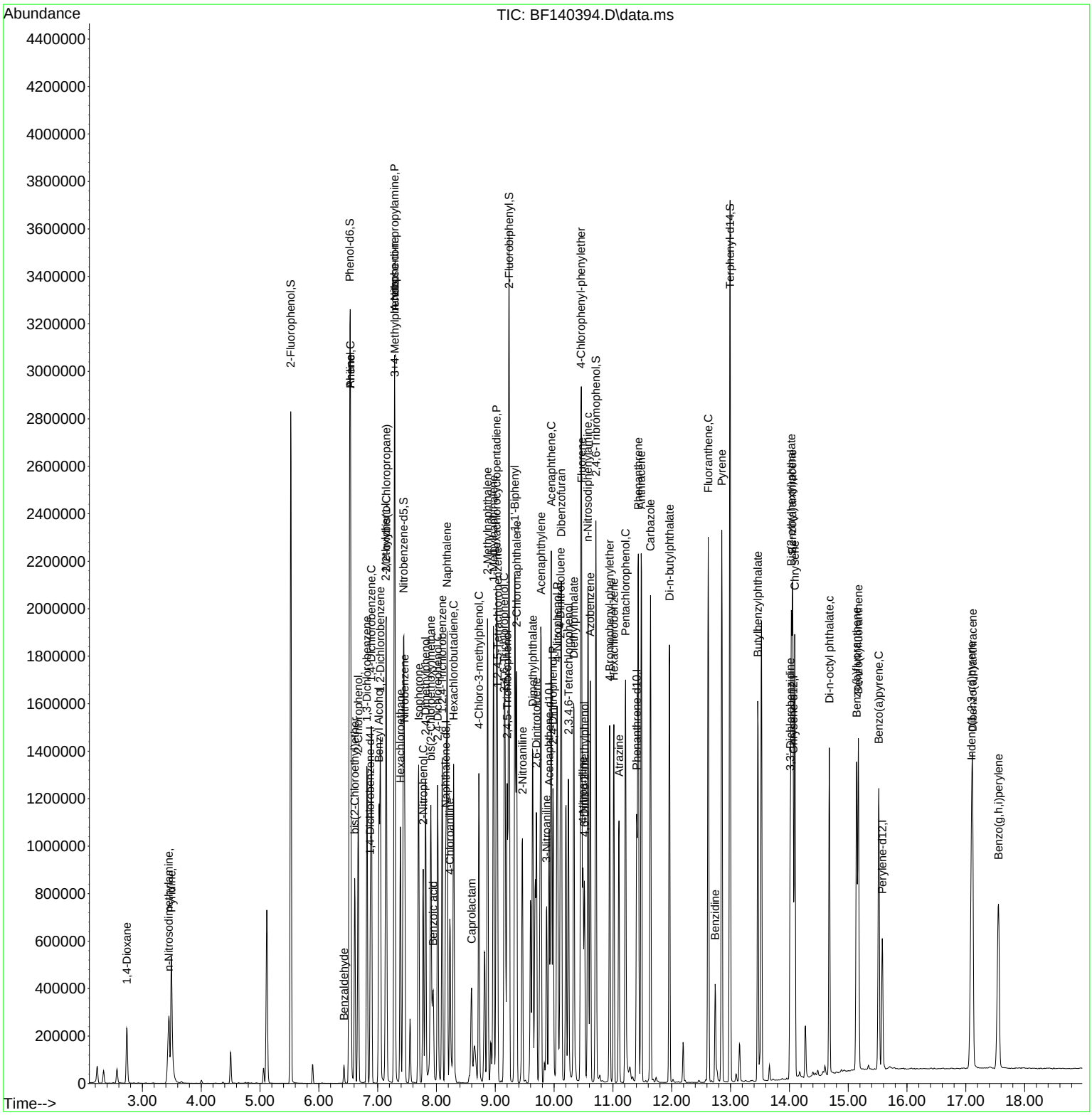
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140394.D
Acq On : 15 Nov 2024 11:00
Operator : RC/JU
Sample : PB164886BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 11:44:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB164886BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.60	J	4.00	10.0	ug/L
108-95-2	Phenol	17.5		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	37.7		0.71	5.00	ug/L
95-48-7	2-Methylphenol	34.4		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.4		1.40	5.00	ug/L
98-86-2	Acetophenone	42.0		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.4		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.1		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.2		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.0		1.30	5.00	ug/L
78-59-1	Isophorone	44.1		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.0		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.7		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.6		0.88	5.00	ug/L
91-20-3	Naphthalene	36.6		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	21.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	26.9		1.30	5.00	ug/L
105-60-2	Caprolactam	7.40	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.7		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	120	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.0		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.4		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	40.8		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.3		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	45.8		0.93	5.00	ug/L

Raw Data: **BE101581.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	46.3		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.5		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	96.6	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	36.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	45.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.7		1.50	5.00	ug/L
84-66-2	Diethylphthalate	46.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.7		0.98	5.00	ug/L
86-73-7	Fluorene	46.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	43.9		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.5		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.6		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	43.5		1.10	5.00	ug/L
1912-24-9	Atrazine	60.6		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	89.1	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.0		0.89	5.00	ug/L
120-12-7	Anthracene	50.0		1.10	5.00	ug/L
86-74-8	Carbazole	46.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.5		1.30	5.00	ug/L
129-00-0	Pyrene	46.9		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.6		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.8		0.94	5.00	ug/L
218-01-9	Chrysene	48.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	49.1		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.6		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.4		1.10	5.00	ug/L

Raw Data: **BE101581.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MS	SDG No.:	P4722
Lab Sample ID:	P4722-15MS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101581.D	1	11/10/24 13:32	11/12/24 14:13	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.8		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.3		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.4		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.8		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.5		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	18.0		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	68.4		10 - 139	46%	SPK: 150
13127-88-3	Phenol-d6	41.5		10 - 134	28%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.1		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	87.7		52 - 132	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	98.2		48 - 125	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	40100	7.552			
1146-65-2	Naphthalene-d8	193000	10.32			
15067-26-2	Acenaphthene-d10	137000	14.162			
1517-22-2	Phenanthrene-d10	318000	16.9			
1719-03-5	Chrysene-d12	362000	21.066			
1520-96-3	Perylene-d12	463000	23.346			

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: **BE101581.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101581.D
Acq On : 12 Nov 2024 14:13
Operator : RC/JU
Sample : P4722-15MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:56:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152	40085	20.000	ng		-0.01
21) Naphthalene-d8	10.320	136	193126	20.000	ng		-0.01
39) Acenaphthene-d10	14.162	164	136804	20.000	ng		-0.01
64) Phenanthrene-d10	16.900	188	318029	20.000	ng		-0.01
76) Chrysene-d12	21.066	240	362423	20.000	ng		-0.01
86) Perylene-d12	23.346	264	463405	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.308	112	154991	68.368	ng		0.00
7) Phenol-d6	6.936	99	129093	41.532	ng		-0.01
23) Nitrobenzene-d5	8.763	82	266295	87.096	ng		-0.01
42) 2,4,6-Tribromophenol	15.672	330	332473	129.154	ng		-0.01
45) 2-Fluorobiphenyl	12.788	172	735062	87.732	ng		-0.01
79) Terphenyl-d14	19.497	244	1607969	98.210	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.193	88	15217	18.037	ng		97
3) Pyridine	3.639	79	32994	13.984	ng		93
4) n-Nitrosodimethylamine	3.545	42	18027	19.294	ng		91
6) Aniline	6.988	93	80042m	34.310	ng		
8) 2-Chlorophenol	7.200	128	101179	37.671	ng		98
9) Benzaldehyde	6.765	77	11497	7.562	ng		97
10) Phenol	6.959	94	59357	17.544	ng		99
11) bis(2-Chloroethyl)ether	7.018	93	116152m	41.470	ng		
12) 1,3-Dichlorobenzene	7.441	146	75242	25.661	ng		98
13) 1,4-Dichlorobenzene	7.588	146	79374	26.726	ng		97
14) 1,2-Dichlorobenzene	7.917	146	81877	28.085	ng		99
15) Benzyl Alcohol	7.887	79	55838	30.753	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.046	45	150582	45.418	ng		95
17) 2-Methylphenol	8.140	107	75387	34.416	ng		97
18) Hexachloroethane	8.610	117	24230	24.158	ng		98
19) n-Nitroso-di-n-propyla...	8.352	70	94433	46.077	ng		97
20) 3+4-Methylphenols	8.475	107	92290	30.386	ng		99
22) Acetophenone	8.404	105	183904	42.048	ng	#	100
24) Nitrobenzene	8.804	77	130322	40.980	ng		96
25) Isophorone	9.250	82	262402	44.100	ng		98
26) 2-Nitrophenol	9.491	139	69372	40.991	ng		99
27) 2,4-Dimethylphenol	9.609	122	97396	49.738	ng		97
28) bis(2-Chloroethoxy)met...	9.756	93	159264	43.727	ng		99
29) 2,4-Dichlorophenol	10.044	162	115616	41.591	ng		96
30) 1,2,4-Trichlorobenzene	10.167	180	95597	30.805	ng		100
31) Naphthalene	10.367	128	357112	36.628	ng		100
32) Benzoic acid	9.838	122	15889m	14.281	ng		
33) 4-Chloroaniline	10.590	127	72285	21.083	ng		99
34) Hexachlorobutadiene	10.619	225	51535	26.943	ng		98
35) Caprolactam	11.436	113	7559m	7.405	ng		
36) 4-Chloro-3-methylphenol	11.771	107	120663	39.749	ng		98
37) 2-Methylnaphthalene	11.959	142	284724	41.116	ng		99
38) 1-Methylnaphthalene	12.188	142	272775	39.498	ng		98
40) 1,2,4,5-Tetrachloroben...	12.317	216	142537	39.519	ng		99
41) Hexachlorocyclopentadiene	12.300	237	130095	123.602	ng		100
43) 2,4,6-Trichlorophenol	12.641	196	109018	44.011	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101581.D
Acq On : 12 Nov 2024 14:13
Operator : RC/JU
Sample : P4722-15MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:56:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.746	196	117461	42.564	ng	99
46) 1,1'-Biphenyl	12.993	154	399898	42.377	ng	99
47) 2-Chloronaphthalene	13.040	162	303589	40.789	ng	100
48) 2-Nitroaniline	13.369	65	95128	48.285	ng	93
49) Acenaphthylene	13.898	152	514003	46.342	ng	99
50) Dimethylphthalate	13.675	163	446449	45.828	ng	99
51) 2,6-Dinitrotoluene	13.810	165	96677	42.997	ng	98
52) Acenaphthene	14.227	154	318889	45.055	ng	99
53) 3-Nitroaniline	14.215	138	60081	27.524	ng	96
54) 2,4-Dinitrophenol	14.362	184	127261	96.583	ng	98
55) Dibenzofuran	14.574	168	515487	45.227	ng	99
56) 4-Nitrophenol	14.644	139	65930	36.578	ng	94
57) 2,4-Dinitrotoluene	14.597	165	144247	45.665	ng	99
58) Fluorene	15.208	166	438201	46.069	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.844	232	115685	45.304	ng	99
60) Diethylphthalate	14.997	149	480508	46.780	ng	100
61) 4-Chlorophenyl-phenyle...	15.196	204	215678	44.652	ng	100
62) 4-Nitroaniline	15.408	138	103213	43.888	ng	96
63) Azobenzene	15.490	77	410018	48.928	ng	97
65) 4,6-Dinitro-2-methylph...	15.343	198	88904	47.093	ng	98
66) n-Nitrosodiphenylamine	15.449	169	392601	46.517	ng	99
67) 4-Bromophenyl-phenylether	16.084	248	156305	44.561	ng	99
68) Hexachlorobenzene	16.189	284	200855	43.510	ng	98
69) Atrazine	16.383	200	151037	60.614	ng	99
70) Pentachlorophenol	16.601	266	223283	89.144	ng	99
71) Phenanthrene	16.947	178	741919	47.965	ng	99
72) Anthracene	17.035	178	763918	50.011	ng	100
73) Carbazole	17.364	167	716628	46.783	ng	99
74) Di-n-butylphthalate	17.805	149	918496	48.554	ng	100
75) Fluoranthene	18.951	202	921473	46.464	ng	100
77) Benzidine	19.203	184	224297	28.811	ng	100
78) Pyrene	19.321	202	967604	46.922	ng	100
80) Butylbenzylphthalate	20.167	149	449006	48.451	ng	96
81) Benzo(a)anthracene	21.048	228	1027871	47.753	ng	100
82) 3,3'-Dichlorobenzidine	21.019	252	284812	33.613	ng	99
83) Chrysene	21.101	228	982361	48.016	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	687838	49.093	ng	99
85) Di-n-octyl phthalate	21.712	149	1176629	49.641	ng	99
87) Indeno(1,2,3-cd)pyrene	25.678	276	1533643	48.159	ng	100
88) Benzo(b)fluoranthene	22.641	252	1154570	45.412	ng	100
89) Benzo(k)fluoranthene	22.688	252	1126100	48.792	ng	99
90) Benzo(a)pyrene	23.246	252	1081378	49.266	ng	99
91) Dibenzo(a,h)anthracene	25.667	278	1284182	48.421	ng	99
92) Benzo(g,h,i)perylene	26.419	276	1153132	42.796	ng	99

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

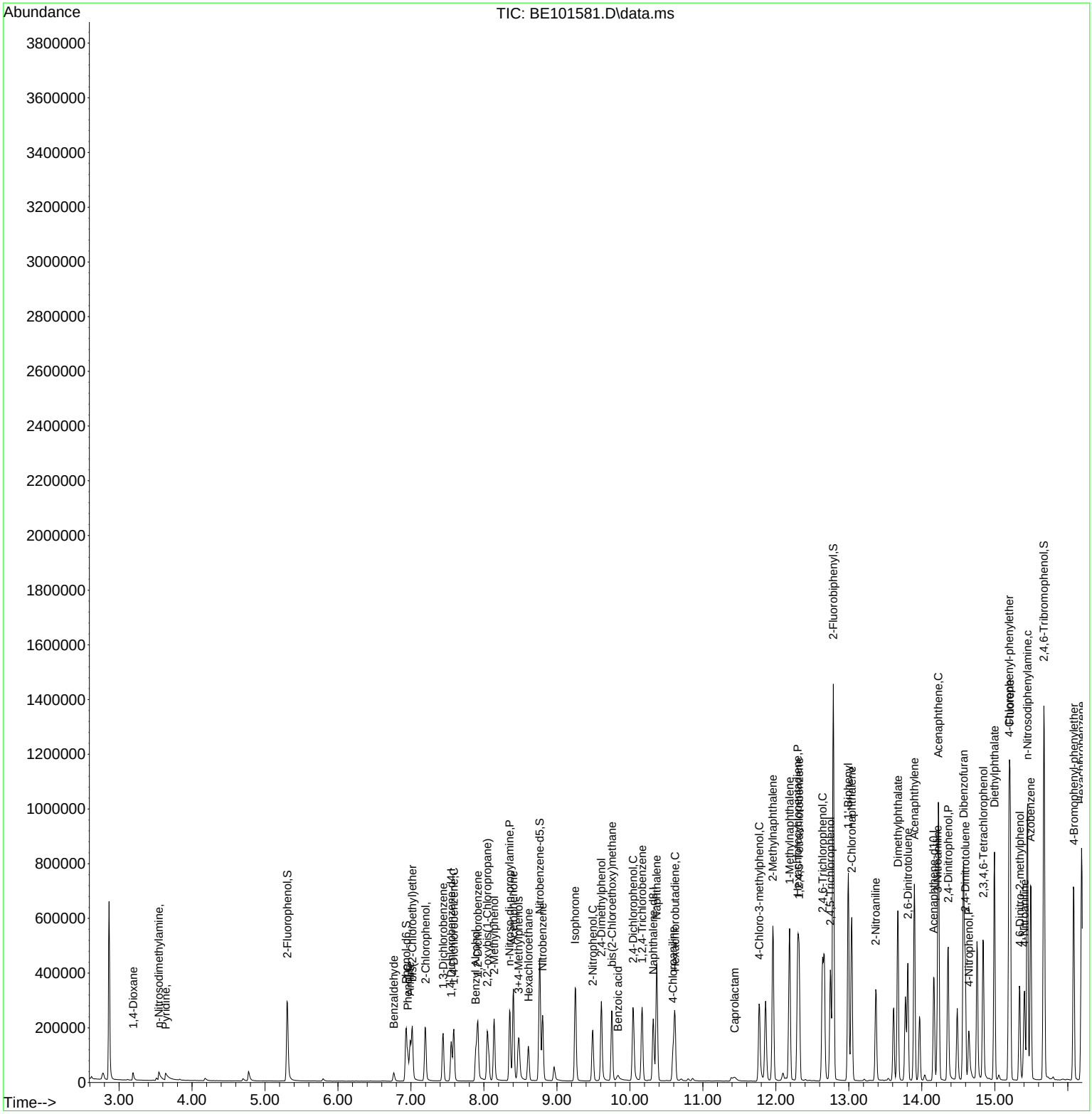
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101581.D
Acq On : 12 Nov 2024 14:13
Operator : RC/JU
Sample : P4722-15MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:56:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024



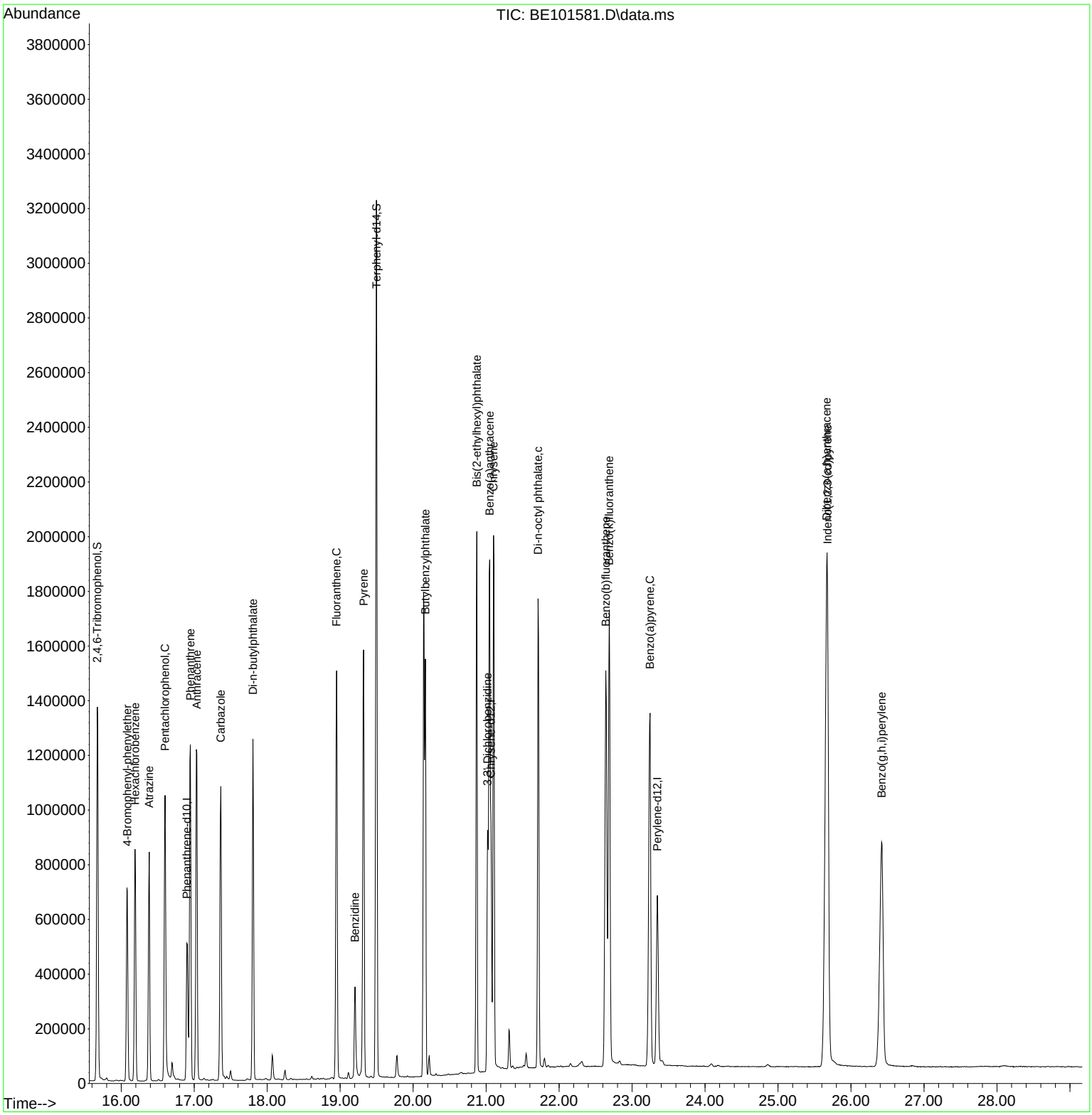
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101581.D
Acq On : 12 Nov 2024 14:13
Operator : RC/JU
Sample : P4722-15MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 12 14:56:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024



Raw Data: **BE101582.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	7.50	J	4.00	10.0	ug/L
108-95-2	Phenol	16.8		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.1		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	36.5		0.71	5.00	ug/L
95-48-7	2-Methylphenol	32.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	44.5		1.40	5.00	ug/L
98-86-2	Acetophenone	41.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.9		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.3		1.50	2.50	ug/L
67-72-1	Hexachloroethane	24.4		1.00	5.00	ug/L
98-95-3	Nitrobenzene	41.2		1.30	5.00	ug/L
78-59-1	Isophorone	44.0		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	41.2		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	49.2		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.5		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.2		0.88	5.00	ug/L
91-20-3	Naphthalene	37.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.8		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	27.6		1.30	5.00	ug/L
105-60-2	Caprolactam	7.20	J	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	39.4		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	130	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.4		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.0		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	48.4		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	46.0		0.93	5.00	ug/L

Raw Data: **BE101582.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.7		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	27.3		1.40	5.00	ug/L
83-32-9	Acenaphthene	45.4		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	97.8	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	38.6		2.00	10.0	ug/L
132-64-9	Dibenzofuran	47.2		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	47.3		1.50	5.00	ug/L
84-66-2	Diethylphthalate	47.8		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.1		0.98	5.00	ug/L
86-73-7	Fluorene	48.1		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	45.4		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.1		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.2		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	44.3		1.10	5.00	ug/L
1912-24-9	Atrazine	60.2		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	91.2	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	48.1		0.89	5.00	ug/L
120-12-7	Anthracene	49.1		1.10	5.00	ug/L
86-74-8	Carbazole	46.4		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.6		1.50	5.00	ug/L
206-44-0	Fluoranthene	45.6		1.30	5.00	ug/L
129-00-0	Pyrene	47.4		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.4		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	34.1		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.2		0.94	5.00	ug/L
218-01-9	Chrysene	47.8		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.8		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		1.10	5.00	ug/L

Raw Data: **BE101582.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	WC-3(0-6)MSD	SDG No.:	P4722
Lab Sample ID:	P4722-15MSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SPLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101582.D	1	11/10/24 13:32	11/12/24 14:49	PB164886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	52.1		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.6		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.2		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.9		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.1		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	17.6		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	47.8		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.3		10 - 139	45%	SPK: 150
13127-88-3	Phenol-d6	41.0		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.0		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.5		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		48 - 125	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	43600	7.552			
1146-65-2	Naphthalene-d8	202000	10.319			
15067-26-2	Acenaphthene-d10	141000	14.168			
1517-22-2	Phenanthrene-d10	336000	16.906			
1719-03-5	Chrysene-d12	377000	21.065			
1520-96-3	Perylene-d12	474000	23.345			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101582.D
Acq On : 12 Nov 2024 14:49
Operator : RC/JU
Sample : P4722-15MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 15:36:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.552	152	43626	20.000	ng		-0.01
21) Naphthalene-d8	10.319	136	201868	20.000	ng		-0.01
39) Acenaphthene-d10	14.168	164	141265	20.000	ng		0.00
64) Phenanthrene-d10	16.906	188	336224	20.000	ng		0.00
76) Chrysene-d12	21.065	240	377212	20.000	ng		-0.01
86) Perylene-d12	23.345	264	473853	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.307	112	166065	67.307	ng		0.00
7) Phenol-d6	6.935	99	138824	41.038	ng		-0.01
23) Nitrobenzene-d5	8.762	82	281348	88.034	ng		-0.01
42) 2,4,6-Tribromophenol	15.678	330	359869	135.382	ng		0.00
45) 2-Fluorobiphenyl	12.787	172	765944	88.531	ng		-0.01
79) Terphenyl-d14	19.497	244	1658941	97.350	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.192	88	16196	17.639	ng		96
3) Pyridine	3.633	79	34360	13.381	ng		94
4) n-Nitrosodimethylamine	3.545	42	18545	18.238	ng		94
6) Aniline	6.994	93	82227m	32.386	ng		
8) 2-Chlorophenol	7.199	128	106689	36.498	ng		100
9) Benzaldehyde	6.765	77	12340	7.457	ng		94
10) Phenol	6.958	94	61696	16.755	ng		98
11) bis(2-Chloroethyl)ether	7.017	93	122381m	40.148	ng		
12) 1,3-Dichlorobenzene	7.440	146	81811	25.636	ng		99
13) 1,4-Dichlorobenzene	7.587	146	86394	26.728	ng		99
14) 1,2-Dichlorobenzene	7.916	146	88381	27.855	ng		99
15) Benzyl Alcohol	7.887	79	58098	29.401	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.045	45	160460	44.469	ng		95
17) 2-Methylphenol	8.139	107	78049	32.739	ng		99
18) Hexachloroethane	8.609	117	26581	24.351	ng		98
19) n-Nitroso-di-n-propyla...	8.357	70	98913	44.346	ng		98
20) 3+4-Methylphenols	8.474	107	95571	28.913	ng		97
22) Acetophenone	8.404	105	189993	41.559	ng	#	100
24) Nitrobenzene	8.803	77	136890	41.181	ng		97
25) Isophorone	9.256	82	273371	43.954	ng		98
26) 2-Nitrophenol	9.491	139	72938	41.232	ng		97
27) 2,4-Dimethylphenol	9.608	122	100750	49.222	ng		99
28) bis(2-Chloroethoxy)met...	9.755	93	165697	43.523	ng		99
29) 2,4-Dichlorophenol	10.043	162	119623	41.169	ng		97
30) 1,2,4-Trichlorobenzene	10.166	180	102138	31.488	ng		99
31) Naphthalene	10.366	128	376817	36.975	ng		99
32) Benzoic acid	9.843	122	15487	13.778	ng		94
33) 4-Chloroaniline	10.595	127	71005	19.813	ng		99
34) Hexachlorobutadiene	10.619	225	55254	27.637	ng		98
35) Caprolactam	11.430	113	7641m	7.161	ng		
36) 4-Chloro-3-methylphenol	11.770	107	124976	39.387	ng		98
37) 2-Methylnaphthalene	11.958	142	297640	41.120	ng		99
38) 1-Methylnaphthalene	12.188	142	284613	39.428	ng		99
40) 1,2,4,5-Tetrachloroben...	12.317	216	149461	40.130	ng		99
41) Hexachlorocyclopentadiene	12.299	237	138694	127.610	ng		97
43) 2,4,6-Trichlorophenol	12.640	196	112956	44.161	ng		99

Sample Results: **BE101582.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101582.D
Acq On : 12 Nov 2024 14:49
Operator : RC/JU
Sample : P4722-15MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 15:36:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.746	196	123673	43.400	ng	97
46) 1,1'-Biphenyl	12.993	154	416863	42.780	ng	99
47) 2-Chloronaphthalene	13.040	162	315436	41.043	ng	100
48) 2-Nitroaniline	13.369	65	98482	48.408	ng	94
49) Acenaphthylene	13.897	152	537726	46.950	ng	99
50) Dimethylphthalate	13.668	163	462470	45.974	ng	99
51) 2,6-Dinitrotoluene	13.809	165	101537	43.732	ng	99
52) Acenaphthene	14.232	154	331596	45.370	ng	100
53) 3-Nitroaniline	14.220	138	61483	27.277	ng	99
54) 2,4-Dinitrophenol	14.361	184	133055	97.791	ng	98
55) Dibenzofuran	14.573	168	555043	47.160	ng	99
56) 4-Nitrophenol	14.644	139	71934	38.649	ng	94
57) 2,4-Dinitrotoluene	14.597	165	154414	47.340	ng	99
58) Fluorene	15.213	166	472583	48.114	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.843	232	126055	47.806	ng	100
60) Diethylphthalate	14.996	149	507021	47.802	ng	99
61) 4-Chlorophenyl-phenyle...	15.196	204	230033	46.120	ng	100
62) 4-Nitroaniline	15.407	138	110203	45.380	ng	97
63) Azobenzene	15.495	77	430783	49.783	ng	100
65) 4,6-Dinitro-2-methylph...	15.343	198	94869	47.533	ng	99
66) n-Nitrosodiphenylamine	15.448	169	420059	47.077	ng	99
67) 4-Bromophenyl-phenylether	16.083	248	167500	45.169	ng	98
68) Hexachlorobenzene	16.195	284	216430	44.346	ng	99
69) Atrazine	16.383	200	158643	60.221	ng	98
70) Pentachlorophenol	16.600	266	241427	91.171	ng	99
71) Phenanthrene	16.947	178	786696	48.107	ng	99
72) Anthracene	17.035	178	793682	49.147	ng	100
73) Carbazole	17.364	167	751991	46.435	ng	99
74) Di-n-butylphthalate	17.805	149	971213	48.563	ng	99
75) Fluoranthene	18.950	202	956416	45.616	ng	99
77) Benzidine	19.203	184	259462	32.021	ng	99
78) Pyrene	19.320	202	1017099	47.389	ng	100
80) Butylbenzylphthalate	20.166	149	476331	49.385	ng	97
81) Benzo(a)anthracene	21.048	228	1079718	48.196	ng	99
82) 3,3'-Dichlorobenzidine	21.018	252	300834	34.112	ng	97
83) Chrysene	21.107	228	1017485	47.783	ng	99
84) Bis(2-ethylhexyl)phtha...	20.872	149	696955	47.794	ng	99
85) Di-n-octyl phthalate	21.712	149	1193070	48.361	ng	99
87) Indeno(1,2,3-cd)pyrene	25.678	276	1597298	49.052	ng	99
88) Benzo(b)fluoranthene	22.646	252	1222463	47.023	ng	99
89) Benzo(k)fluoranthene	22.687	252	1230311	52.132	ng	100
90) Benzo(a)pyrene	23.239	252	1113700	49.620	ng	100
91) Dibenzo(a,h)anthracene	25.672	278	1334049	49.192	ng	100
92) Benzo(g,h,i)perylene	26.424	276	1208362	43.857	ng	99

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

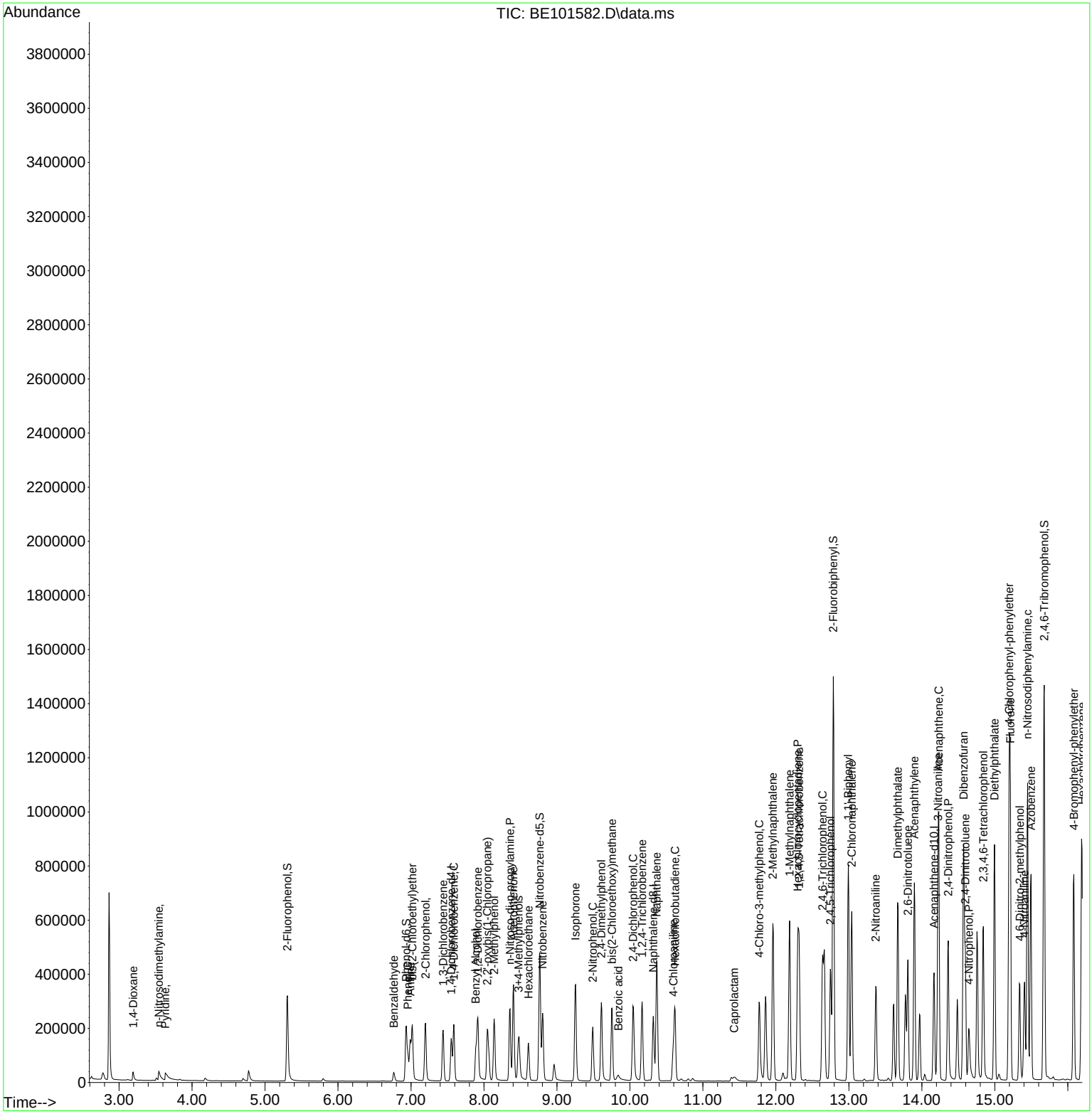
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101582.D
Acq On : 12 Nov 2024 14:49
Operator : RC/JU
Sample : P4722-15MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 15:36:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024



Sample Results: **BE101582.D**

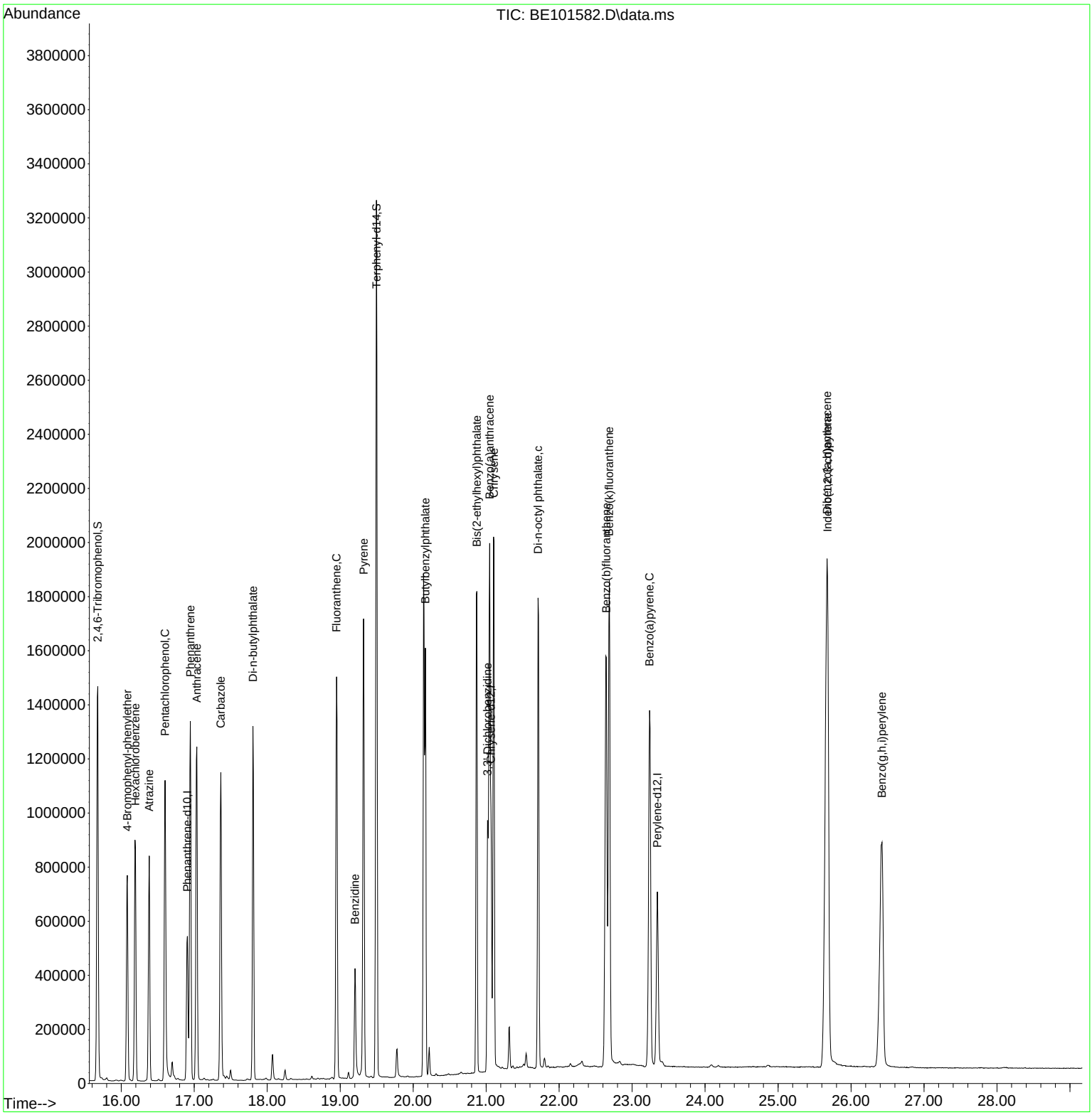
Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE111224\
Data File : BE101582.D
Acq On : 12 Nov 2024 14:49
Operator : RC/JU
Sample : P4722-15MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 12 15:36:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE110624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 07 00:01:20 2024
Response via : Initial Calibration

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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/13/2024
Supervised By :Jagrut Upadhyay 11/13/2024



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Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e

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

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Manual Integration Report

Sequence:	BE110624	Instrument	BNA_e

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

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Manual Integration Report

Sequence:	be111224	Instrument	BNA_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BE101575.D	bis(2-Chloroethyl)ether	yogesh	11/13/2024 2:16:17 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MS	BE101581.D	Aniline	yogesh	11/13/2024 2:16:36 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MS	BE101581.D	Benzoic acid	yogesh	11/13/2024 2:16:36 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MS	BE101581.D	bis(2-Chloroethyl)ether	yogesh	11/13/2024 2:16:36 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MS	BE101581.D	Caprolactam	yogesh	11/13/2024 2:16:36 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MSD	BE101582.D	Aniline	yogesh	11/13/2024 2:16:43 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MSD	BE101582.D	bis(2-Chloroethyl)ether	yogesh	11/13/2024 2:16:43 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software
P4722-15MSD	BE101582.D	Caprolactam	yogesh	11/13/2024 2:16:43 AM	mohammad	11/14/2024 3:21:57 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF111324	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF140333.D	Benzoic acid	yogesh	11/14/2024 3:08:33 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	2,3,4,6-Tetrachlorophenol	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC010	BF140334.D	Benzoic acid	yogesh	11/14/2024 3:08:38 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software
SSTDICC080	BF140339.D	Caprolactam	yogesh	11/14/2024 3:08:41 AM	mohammad	11/15/2024 5:49:17 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf111424	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bf111524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140391.D	2,4-Dimethylphenol	yogesh	11/18/2024 1:26:25 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164886BS	BF140394.D	2,4-Dimethylphenol	yogesh	11/18/2024 1:26:28 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164886BS	BF140394.D	Acenaphthene	yogesh	11/18/2024 1:26:28 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software
PB164886BS	BF140394.D	Caprolactam	yogesh	11/18/2024 1:26:28 AM	mohammad	11/18/2024 2:51:39 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF112124	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BF140530.D	Benzoic acid	yogesh	11/22/2024 3:53:18 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICC020	BF140531.D	Acenaphthene	yogesh	11/22/2024 3:53:19 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICCC040	BF140532.D	Acenaphthene	yogesh	11/22/2024 3:53:21 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDICV040	BF140536.D	Acenaphthene	yogesh	11/22/2024 3:53:22 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	2,4-Dimethylphenol	yogesh	11/22/2024 3:53:24 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software
SSTDCCC040	BF140539.D	Acenaphthene	yogesh	11/22/2024 3:53:24 AM	mohammad	11/22/2024 4:01:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf112524	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

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

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

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101491.D	6 Nov 2024 11:40	RC/JU	Ok
2	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	RC/JU	Not Ok
3	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51	RC/JU	Ok
4	SSTDICC005	BE101494.D	6 Nov 2024 14:27	RC/JU	Ok,M
5	SSTDICC010	BE101495.D	6 Nov 2024 15:03	RC/JU	Ok,M
6	SSTDICC020	BE101496.D	6 Nov 2024 15:39	RC/JU	Ok,M
7	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	RC/JU	Ok,M
8	SSTDICC050	BE101498.D	6 Nov 2024 16:50	RC/JU	Ok,M
9	SSTDICC060	BE101499.D	6 Nov 2024 17:26	RC/JU	Ok,M
10	SSTDICC080	BE101500.D	6 Nov 2024 18:02	RC/JU	Ok,M
11	SSTDICV040	BE101501.D	6 Nov 2024 18:41	RC/JU	Ok,M
12	PB164561BL	BE101502.D	6 Nov 2024 19:16	RC/JU	Ok
13	DFTPP	BE101503.D	6 Nov 2024 19:52	RC/JU	Ok
14	SSTDCCC040	BE101504.D	6 Nov 2024 20:28	RC/JU	Ok,M
15	PB164561TB	BE101505.D	6 Nov 2024 21:04	RC/JU	Ok
16	PB164561BS	BE101506.D	6 Nov 2024 21:40	RC/JU	Ok,M
17	P4660-11	BE101507.D	6 Nov 2024 22:15	RC/JU	Ok
18	P4667-04	BE101508.D	6 Nov 2024 22:51	RC/JU	Ok
19	P4667-08	BE101509.D	6 Nov 2024 23:27	RC/JU	ReRun
20	P4667-12	BE101510.D	7 Nov 2024 00:03	RC/JU	ReRun
21	P4667-16	BE101511.D	7 Nov 2024 00:39	RC/JU	Ok

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

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

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

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

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE111224

Review By	yogesh	Review On	11/13/2024 2:17:26 AM				
Supervise By	mohammad	Supervise On	11/14/2024 3:21:57 AM				
SubDirectory	BE111224	HP Acquire Method	BNA_E			HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BE101574.D	12 Nov 2024 9:33	RC/JU	Ok
2	SSTDCCC040	BE101575.D	12 Nov 2024 10:18	RC/JU	Ok,M
3	PB164886BL	BE101576.D	12 Nov 2024 11:11	RC/JU	Ok
4	PB164886BS	BE101577.D	12 Nov 2024 11:47	RC/JU	Not Ok
5	P4722-05	BE101578.D	12 Nov 2024 12:29	RC/JU	Ok
6	P4722-10	BE101579.D	12 Nov 2024 13:05	RC/JU	ReRun
7	P4722-15	BE101580.D	12 Nov 2024 13:38	RC/JU	ReRun
8	P4722-15MS	BE101581.D	12 Nov 2024 14:13	RC/JU	Ok,M
9	P4722-15MSD	BE101582.D	12 Nov 2024 14:49	RC/JU	Ok,M
10	P4796-07RE	BE101583.D	12 Nov 2024 15:25	RC/JU	Confirms
11	P4796-05	BE101584.D	12 Nov 2024 16:01	RC/JU	ReRun
12	P4738-01	BE101585.D	12 Nov 2024 16:37	RC/JU	Ok
13	P4796-01	BE101586.D	12 Nov 2024 21:38	RC/JU	ReRun
14	P4722-08DL	BE101587.D	12 Nov 2024 22:14	RC/JU	Not Ok
15	P4768-06DL	BE101588.D	12 Nov 2024 22:50	RC/JU	Not Ok
16	P4739-09DL	BE101589.D	12 Nov 2024 23:25	RC/JU	ReRun
17	P4795-01	BE101590.D	12 Nov 2024 23:58	RC/JU	ReRun
18	P4793-01	BE101591.D	13 Nov 2024 00:34	RC/JU	ReRun

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM				
SubDirectory	BF111324	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140331.D	13 Nov 2024 08:35	RC/JU	Ok
2	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01	RC/JU	Ok
3	SSTDICC005	BF140333.D	13 Nov 2024 09:27	RC/JU	Ok,M
4	SSTDICC010	BF140334.D	13 Nov 2024 09:53	RC/JU	Ok,M
5	SSTDICC020	BF140335.D	13 Nov 2024 10:29	RC/JU	Ok
6	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	RC/JU	Not Ok
7	SSTDICC050	BF140337.D	13 Nov 2024 11:21	RC/JU	Ok
8	SSTDICC060	BF140338.D	13 Nov 2024 11:47	RC/JU	Ok
9	SSTDICC080	BF140339.D	13 Nov 2024 12:13	RC/JU	Ok,M
10	SSTDICCC040	BF140340.D	13 Nov 2024 12:48	RC/JU	Ok
11	SSTDICV040	BF140341.D	13 Nov 2024 13:19	RC/JU	Ok
12	PB164401BL	BF140342.D	13 Nov 2024 13:45	RC/JU	Ok
13	P4495-11	BF140343.D	13 Nov 2024 15:25	RC/JU	Dilution
14	P4495-11DL	BF140344.D	13 Nov 2024 16:02	RC/JU	Ok
15	P3845-03	BF140345.D	13 Nov 2024 16:40	RC/JU	Dilution
16	P3845-03DL	BF140346.D	13 Nov 2024 17:06	RC/JU	Ok
17	P3845-06	BF140347.D	13 Nov 2024 17:32	RC/JU	Dilution
18	P3845-06DL	BF140348.D	13 Nov 2024 17:58	RC/JU	Not Ok
19	SP6681	BF140349.D	13 Nov 2024 18:39	RC/JU	Ok,NS

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM				
SubDirectory	BF111424	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140350.D	14 Nov 2024 08:47	RC/JU	Ok
2	SSTDCCC040	BF140351.D	14 Nov 2024 09:42	RC/JU	Ok
3	PB164908BL	BF140352.D	14 Nov 2024 10:08	RC/JU	Ok
4	PB164911BS	BF140353.D	14 Nov 2024 10:34	RC/JU	Ok,M
5	PB164911BSD	BF140354.D	14 Nov 2024 11:01	RC/JU	Ok,M
6	PB164911BL	BF140355.D	14 Nov 2024 11:27	RC/JU	Ok
7	P3845-06DL	BF140356.D	14 Nov 2024 11:54	RC/JU	Ok
8	P4762-02	BF140357.D	14 Nov 2024 13:03	RC/JU	Ok
9	P4792-03	BF140358.D	14 Nov 2024 13:29	RC/JU	Ok
10	P4837-03	BF140359.D	14 Nov 2024 13:55	RC/JU	Ok
11	P4834-03	BF140360.D	14 Nov 2024 14:21	RC/JU	Ok
12	P4779-01	BF140361.D	14 Nov 2024 14:47	RC/JU	Ok
13	P4838-03	BF140362.D	14 Nov 2024 15:13	RC/JU	Ok
14	P4718-04	BF140363.D	14 Nov 2024 15:39	RC/JU	Ok
15	P4812-01	BF140364.D	14 Nov 2024 16:04	RC/JU	Ok
16	DFTPP	BF140365.D	14 Nov 2024 16:35	RC/JU	Ok
17	SSTDCCC040	BF140366.D	14 Nov 2024 17:02	RC/JU	Ok
18	PB164846BL	BF140367.D	14 Nov 2024 17:28	RC/JU	Ok
19	P4722-10	BF140368.D	14 Nov 2024 17:59	RC/JU	Ok
20	P4722-15	BF140369.D	14 Nov 2024 18:25	RC/JU	Ok
21	P4791-02	BF140370.D	14 Nov 2024 18:51	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM				
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM				
SubDirectory	BF111424	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4792-04	BF140371.D	14 Nov 2024 19:17	RC/JU	Ok
23	P4788-01	BF140372.D	14 Nov 2024 19:43	RC/JU	Ok
24	P4788-01MS	BF140373.D	14 Nov 2024 20:09	RC/JU	Ok
25	P4788-01MSD	BF140374.D	14 Nov 2024 20:35	RC/JU	Ok
26	P4796-05RE	BF140375.D	14 Nov 2024 21:01	RC/JU	Confirms
27	P4796-01RE	BF140376.D	14 Nov 2024 21:28	RC/JU	Confirms
28	P4722-08DL	BF140377.D	14 Nov 2024 21:54	RC/JU	Ok,M
29	P4768-06DL	BF140378.D	14 Nov 2024 22:20	RC/JU	Ok,M
30	P4739-09DL	BF140379.D	14 Nov 2024 22:47	RC/JU	Ok
31	P4795-01RE	BF140380.D	14 Nov 2024 23:13	RC/JU	Confirms
32	P4811-01RE	BF140381.D	14 Nov 2024 23:39	RC/JU	Confirms
33	P4816-01RE	BF140382.D	15 Nov 2024 00:05	RC/JU	Confirms
34	P4807-05	BF140383.D	15 Nov 2024 00:32	RC/JU	Ok
35	P4807-05MS	BF140384.D	15 Nov 2024 00:58	RC/JU	Ok
36	P4807-05MSD	BF140385.D	15 Nov 2024 01:24	RC/JU	Ok
37	P4807-01	BF140386.D	15 Nov 2024 01:49	RC/JU	Ok
38	P4798-01	BF140387.D	15 Nov 2024 02:16	RC/JU	Dilution
39	P4789-01	BF140388.D	15 Nov 2024 02:42	RC/JU	Ok
40	P4793-01	BF140389.D	15 Nov 2024 03:08	RC/JU	Confirms

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM				
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM				
SubDirectory	BF111524	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140390.D	15 Nov 2024 09:16	RC/JU	Ok
2	SSTDCCC040	BF140391.D	15 Nov 2024 09:42	RC/JU	Ok,M
3	PB164789BL	BF140392.D	15 Nov 2024 10:08	RC/JU	Ok
4	PB164789BS	BF140393.D	15 Nov 2024 10:34	RC/JU	Ok,M
5	PB164886BS	BF140394.D	15 Nov 2024 11:00	RC/JU	Ok,M
6	P4799-03	BF140395.D	15 Nov 2024 11:33	RC/JU	Ok
7	P4799-03MS	BF140396.D	15 Nov 2024 11:59	RC/JU	Ok,M
8	P4799-03MSD	BF140397.D	15 Nov 2024 12:25	RC/JU	Ok,M
9	P4799-07	BF140398.D	15 Nov 2024 12:52	RC/JU	Ok
10	P4799-11	BF140399.D	15 Nov 2024 13:18	RC/JU	Ok
11	P4799-15	BF140400.D	15 Nov 2024 13:44	RC/JU	Ok
12	P4799-19	BF140401.D	15 Nov 2024 14:10	RC/JU	Ok
13	P4807-04	BF140402.D	15 Nov 2024 14:36	RC/JU	Ok
14	P4807-08	BF140403.D	15 Nov 2024 15:02	RC/JU	Ok
15	P4807-12	BF140404.D	15 Nov 2024 15:29	RC/JU	Ok
16	P4807-16	BF140405.D	15 Nov 2024 15:55	RC/JU	Ok
17	P4809-04	BF140406.D	15 Nov 2024 16:21	RC/JU	Ok
18	P4807-13	BF140407.D	15 Nov 2024 16:47	RC/JU	Ok
19	P4807-09	BF140408.D	15 Nov 2024 17:13	RC/JU	Ok
20	P4836-03	BF140409.D	15 Nov 2024 17:40	RC/JU	ReRun
21	P4835-03	BF140410.D	15 Nov 2024 18:06	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM				
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM				
SubDirectory	BF111524	HP Acquire Method	BNA_F		HP Processing Method	Bf111324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4798-01DL	BF140411.D	15 Nov 2024 18:32	RC/JU	Ok,M
23	P4825-01	BF140412.D	15 Nov 2024 18:58	RC/JU	Ok,M
24	P4809-01	BF140413.D	15 Nov 2024 19:25	RC/JU	Ok,M
25	P4850-01	BF140414.D	15 Nov 2024 19:51	RC/JU	Ok,M
26	P4851-01	BF140415.D	15 Nov 2024 20:17	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140526.D	21 Nov 2024 10:17	RC/JU	Ok
2	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	RC/JU	Not Ok
3	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13	RC/JU	Ok
4	SSTDICC005	BF140529.D	21 Nov 2024 11:39	RC/JU	Ok
5	SSTDICC010	BF140530.D	21 Nov 2024 12:05	RC/JU	Ok,M
6	SSTDICC020	BF140531.D	21 Nov 2024 12:32	RC/JU	Ok,M
7	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	RC/JU	Ok,M
8	SSTDICC050	BF140533.D	21 Nov 2024 13:25	RC/JU	Ok
9	SSTDICC060	BF140534.D	21 Nov 2024 13:51	RC/JU	Ok
10	SSTDICC080	BF140535.D	21 Nov 2024 14:18	RC/JU	Ok
11	SSTDICV040	BF140536.D	21 Nov 2024 15:07	RC/JU	Ok,M
12	PB165144BL	BF140537.D	21 Nov 2024 15:34	RC/JU	Ok
13	DFTPP	BF140538.D	21 Nov 2024 16:27	RC/JU	Ok
14	SSTDCCC040	BF140539.D	21 Nov 2024 16:54	RC/JU	Ok,M
15	PB165060TB	BF140540.D	21 Nov 2024 17:20	RC/JU	Ok
16	P4887-06	BF140541.D	21 Nov 2024 17:55	RC/JU	Ok
17	P4887-02	BF140542.D	21 Nov 2024 18:21	RC/JU	Ok
18	P4870-16	BF140543.D	21 Nov 2024 18:48	RC/JU	Ok
19	P4870-15	BF140544.D	21 Nov 2024 19:14	RC/JU	Ok
20	P4870-14	BF140545.D	21 Nov 2024 19:40	RC/JU	Ok
21	P4870-13	BF140546.D	21 Nov 2024 20:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM				
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM				
SubDirectory	BF112124	HP Acquire Method	BNA_F		HP Processing Method	bf112124	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4929-02	BF140547.D	21 Nov 2024 20:33	RC/JU	Ok
23	P4924-04	BF140548.D	21 Nov 2024 20:59	RC/JU	Ok
24	P4921-01	BF140549.D	21 Nov 2024 21:25	RC/JU	Ok
25	P4916-12	BF140550.D	21 Nov 2024 21:51	RC/JU	Ok
26	P4916-08	BF140551.D	21 Nov 2024 22:18	RC/JU	Ok
27	P4916-04	BF140552.D	21 Nov 2024 22:44	RC/JU	Ok
28	P4887-01	BF140553.D	21 Nov 2024 23:10	RC/JU	Ok
29	P4916-09	BF140554.D	21 Nov 2024 23:36	RC/JU	Ok
30	P4916-09MS	BF140555.D	22 Nov 2024 00:02	RC/JU	Ok,NS
31	P4916-09MSD	BF140556.D	22 Nov 2024 00:28	RC/JU	Ok,NS
32	P4916-01	BF140557.D	22 Nov 2024 00:54	RC/JU	Ok
33	P4916-05RE	BF140558.D	22 Nov 2024 01:21	RC/JU	Confirms
34	P4887-05RE	BF140559.D	22 Nov 2024 01:47	RC/JU	Confirms
35	P4924-01	BF140560.D	22 Nov 2024 02:13	RC/JU	ReRun
36	P4936-01	BF140561.D	22 Nov 2024 02:39	RC/JU	Ok,NS
37	P4929-01	BF140562.D	22 Nov 2024 03:06	RC/JU	Ok,NS

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140589.D	25 Nov 2024 09:07	RC/JU	Ok
2	SSTDCCC040	BF140590.D	25 Nov 2024 09:33	RC/JU	Ok,NR
3	PB165123TB	BF140591.D	25 Nov 2024 09:59	RC/JU	Ok
4	PB165155BS	BF140592.D	25 Nov 2024 10:25	RC/JU	Ok,NR
5	PB165155BL	BF140593.D	25 Nov 2024 10:51	RC/JU	Ok
6	PB165086BS	BF140594.D	25 Nov 2024 11:17	RC/JU	Not Ok
7	PB165111TB	BF140595.D	25 Nov 2024 11:43	RC/JU	Ok
8	PB165052BS	BF140596.D	25 Nov 2024 12:09	RC/JU	Ok,NR
9	PB164986TB	BF140597.D	25 Nov 2024 12:36	RC/JU	Ok
10	PB165152BS	BF140598.D	25 Nov 2024 13:02	RC/JU	Ok,NR
11	PB164886TB	BF140599.D	25 Nov 2024 13:27	RC/JU	Ok
12	PB165152BSD	BF140600.D	25 Nov 2024 13:54	RC/JU	Ok,NR
13	PB165152BL	BF140601.D	25 Nov 2024 14:28	RC/JU	Ok
14	PB165185BS	BF140602.D	25 Nov 2024 14:54	RC/JU	Ok,NR
15	DFTPP	BF140603.D	25 Nov 2024 15:23	RC/JU	Ok
16	SSTDCCC040	BF140604.D	25 Nov 2024 15:49	RC/JU	Ok,NR
17	PB165052BL	BF140605.D	25 Nov 2024 16:17	RC/JU	Ok
18	P4947-01	BF140606.D	25 Nov 2024 16:49	RC/JU	Ok
19	P4892-04	BF140607.D	25 Nov 2024 17:15	RC/JU	Ok
20	P4860-09	BF140608.D	25 Nov 2024 17:41	RC/JU	Ok
21	P4860-01	BF140609.D	25 Nov 2024 18:07	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4960-01	BF140610.D	25 Nov 2024 18:34	RC/JU	Ok
23	P4960-05	BF140611.D	25 Nov 2024 19:00	RC/JU	Ok
24	P4892-03	BF140612.D	25 Nov 2024 19:26	RC/JU	Ok
25	P4892-03MS	BF140613.D	25 Nov 2024 19:52	RC/JU	Ok,NR
26	P4892-03MSD	BF140614.D	25 Nov 2024 20:18	RC/JU	Ok,NR
27	P4860-06	BF140615.D	25 Nov 2024 20:45	RC/JU	Ok
28	P4860-09MS	BF140616.D	25 Nov 2024 21:11	RC/JU	Not Ok
29	P4860-09MSD	BF140617.D	25 Nov 2024 21:37	RC/JU	Not Ok
30	P4960-03	BF140618.D	25 Nov 2024 22:03	RC/JU	ReRun
31	P4860-10	BF140619.D	25 Nov 2024 22:29	RC/JU	ReRun
32	P4860-04	BF140620.D	25 Nov 2024 22:55	RC/JU	Ok
33	P4860-07	BF140621.D	25 Nov 2024 23:22	RC/JU	Ok
34	P4860-03	BF140622.D	25 Nov 2024 23:48	RC/JU	Ok
35	P4951-01	BF140623.D	26 Nov 2024 00:14	RC/JU	ReRun
36	P4954-01	BF140624.D	26 Nov 2024 00:40	RC/JU	Ok,NR
37	P4954-01MS	BF140625.D	26 Nov 2024 01:06	RC/JU	Ok,NR
38	P4954-01MSD	BF140626.D	26 Nov 2024 01:32	RC/JU	Ok,NR
39	P4954-03	BF140627.D	26 Nov 2024 01:58	RC/JU	ReRun

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

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

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

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101491.D	6 Nov 2024 11:40		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101492.D	6 Nov 2024 13:15	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BE101493.D	6 Nov 2024 13:51		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BE101494.D	6 Nov 2024 14:27	Compound #32,54 removed from 5ppm	RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BE101495.D	6 Nov 2024 15:03		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BE101496.D	6 Nov 2024 15:39	Compound #32 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BE101497.D	6 Nov 2024 16:14	The Calibration is Good For 8270 DOD Except com#77 and will NOT be used for 625.1 Method	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BE101498.D	6 Nov 2024 16:50	Com#77(Benzidine) Failed in the calibration for both DOD and NON-DOD	RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BE101499.D	6 Nov 2024 17:26		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BE101500.D	6 Nov 2024 18:02		RC/JU	Ok,M
11	SSTDICV040	ICVBE110624	BE101501.D	6 Nov 2024 18:41		RC/JU	Ok,M
12	PB164561BL	PB164561BL	BE101502.D	6 Nov 2024 19:16		RC/JU	Ok
13	DFTPP	DFTPP	BE101503.D	6 Nov 2024 19:52		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BE101504.D	6 Nov 2024 20:28		RC/JU	Ok,M
15	PB164561TB	PB164561TB	BE101505.D	6 Nov 2024 21:04		RC/JU	Ok
16	PB164561BS	PB164561BS	BE101506.D	6 Nov 2024 21:40		RC/JU	Ok,M

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE110624

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

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

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

M : Manual Integration

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE111224

Review By	yogesh	Review On	11/13/2024 2:17:26 AM				
Supervise By	mohammad	Supervise On	11/14/2024 3:21:57 AM				
SubDirectory	BE111224	HP Acquire Method	BNA_E	HP Processing Method	be110624		

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BE101574.D	12 Nov 2024 9:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BE101575.D	12 Nov 2024 10:18	CCC fail high side for com. #77	RC/JU	Ok,M
3	PB164886BL	PB164886BL	BE101576.D	12 Nov 2024 11:11		RC/JU	Ok
4	PB164886BS	PB164886BS	BE101577.D	12 Nov 2024 11:47	Recovery Fail Low for Many Compound	RC/JU	Not Ok
5	P4722-05	WC-1(0-6)	BE101578.D	12 Nov 2024 12:29		RC/JU	Ok
6	P4722-10	WC-2(0-6)	BE101579.D	12 Nov 2024 13:05	Internal standard fail	RC/JU	ReRun
7	P4722-15	WC-3(0-6)	BE101580.D	12 Nov 2024 13:38	Internal standard fail	RC/JU	ReRun
8	P4722-15MS	WC-3(0-6)MS	BE101581.D	12 Nov 2024 14:13		RC/JU	Ok,M
9	P4722-15MSD	WC-3(0-6)MSD	BE101582.D	12 Nov 2024 14:49		RC/JU	Ok,M
10	P4796-07RE	TP-4RE	BE101583.D	12 Nov 2024 15:25	Internal standard fail	RC/JU	Confirms
11	P4796-05	TP-3	BE101584.D	12 Nov 2024 16:01	Internal standard fail	RC/JU	ReRun
12	P4738-01	72-12018	BE101585.D	12 Nov 2024 16:37		RC/JU	Ok
13	P4796-01	TP-1	BE101586.D	12 Nov 2024 21:38	Out of Tune Time	RC/JU	ReRun
14	P4722-08DL	WC-2(0-6)DL	BE101587.D	12 Nov 2024 22:14	Out of Tune Time	RC/JU	Not Ok
15	P4768-06DL	B-6-2DL	BE101588.D	12 Nov 2024 22:50	Out of Tune Time	RC/JU	Not Ok
16	P4739-09DL	BP-B2DL	BE101589.D	12 Nov 2024 23:25	Out of Tune Time	RC/JU	ReRun
17	P4795-01	LAW-23-00189	BE101590.D	12 Nov 2024 23:58	Out of Tune Time	RC/JU	ReRun

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Instrument ID: BNA_E

Daily Analysis Runlog For Sequence/QCBatch ID # BE111224

Review By	yogesh	Review On	11/13/2024 2:17:26 AM		
Supervise By	mohammad	Supervise On	11/14/2024 3:21:57 AM		
SubDirectory	BE111224	HP Acquire Method	BNA_E	HP Processing Method	be110624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4793-01	M00-24-00345	BE101591.D	13 Nov 2024 00:34	Surrogate Fail,Out of Tune Time	RC/JU	ReRun

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140331.D	13 Nov 2024 08:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140332.D	13 Nov 2024 09:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140333.D	13 Nov 2024 09:27	Compound#41,54,77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF140334.D	13 Nov 2024 09:53		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF140335.D	13 Nov 2024 10:29		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140336.D	13 Nov 2024 10:55	Injection Error	RC/JU	Not Ok
7	SSTDICC050	SSTDICC050	BF140337.D	13 Nov 2024 11:21		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF140338.D	13 Nov 2024 11:47		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF140339.D	13 Nov 2024 12:13	Compound#09 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICCC040	SSTDICCC040	BF140340.D	13 Nov 2024 12:48		RC/JU	Ok
11	SSTDICV040	ICVBF111324	BF140341.D	13 Nov 2024 13:19		RC/JU	Ok
12	PB164401BL	PB164401BL	BF140342.D	13 Nov 2024 13:45		RC/JU	Ok
13	P4495-11	PT-BNA-SOIL	BF140343.D	13 Nov 2024 15:25	PT Sample, Need 5X Dilution	RC/JU	Dilution
14	P4495-11DL	PT-BNA-SOILDL	BF140344.D	13 Nov 2024 16:02		RC/JU	Ok
15	P3845-03	PT-BN-WP	BF140345.D	13 Nov 2024 16:40	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution
16	P3845-03DL	PT-BN-WPDL	BF140346.D	13 Nov 2024 17:06		RC/JU	Ok
17	P3845-06	PT-ACIDS-WP	BF140347.D	13 Nov 2024 17:32	PT Sample Analyzed for confirmation - Need 5X Dilution.	RC/JU	Dilution

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111324

Review By	yogesh	Review On	11/14/2024 3:08:53 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:17 AM		
SubDirectory	BF111324	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3845-06DL	PT-ACIDS-WPDL	BF140348.D	13 Nov 2024 17:58	Dilution not matching (Low results)	RC/JU	Not Ok
19	SP6681	SP6681	BF140349.D	13 Nov 2024 18:39	8270-625.1 SPIKE SOLUTION	RC/JU	Ok,NS

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140350.D	14 Nov 2024 08:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140351.D	14 Nov 2024 09:42		RC/JU	Ok
3	PB164908BL	PB164908BL	BF140352.D	14 Nov 2024 10:08		RC/JU	Ok
4	PB164911BS	PB164911BS	BF140353.D	14 Nov 2024 10:34		RC/JU	Ok,M
5	PB164911BSD	PB164911BSD	BF140354.D	14 Nov 2024 11:01		RC/JU	Ok,M
6	PB164911BL	PB164911BL	BF140355.D	14 Nov 2024 11:27		RC/JU	Ok
7	P3845-06DL	PT-ACIDS-WPDL	BF140356.D	14 Nov 2024 11:54		RC/JU	Ok
8	P4762-02	EFF-WW	BF140357.D	14 Nov 2024 13:03		RC/JU	Ok
9	P4792-03	OILY-STONE-DRUM	BF140358.D	14 Nov 2024 13:29		RC/JU	Ok
10	P4837-03	3TRK-STONE	BF140359.D	14 Nov 2024 13:55		RC/JU	Ok
11	P4834-03	SLP-1-STONE	BF140360.D	14 Nov 2024 14:21		RC/JU	Ok
12	P4779-01	SOIL-01	BF140361.D	14 Nov 2024 14:47		RC/JU	Ok
13	P4838-03	T1-STONE	BF140362.D	14 Nov 2024 15:13		RC/JU	Ok
14	P4718-04	WB-307-SW	BF140363.D	14 Nov 2024 15:39		RC/JU	Ok
15	P4812-01	RBR200035	BF140364.D	14 Nov 2024 16:04		RC/JU	Ok
16	DFTPP	DFTPP	BF140365.D	14 Nov 2024 16:35		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040	BF140366.D	14 Nov 2024 17:02		RC/JU	Ok
18	PB164846BL	PB164846BL	BF140367.D	14 Nov 2024 17:28		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4722-10	WC-2(0-6)	BF140368.D	14 Nov 2024 17:59		RC/JU	Ok
20	P4722-15	WC-3(0-6)	BF140369.D	14 Nov 2024 18:25		RC/JU	Ok
21	P4791-02	HINCHMAN-OILY-WAT	BF140370.D	14 Nov 2024 18:51	Internal Standard Fail	RC/JU	Ok
22	P4792-04	MANHOLE-WASTE-DR	BF140371.D	14 Nov 2024 19:17		RC/JU	Ok
23	P4788-01	BP-G3	BF140372.D	14 Nov 2024 19:43		RC/JU	Ok
24	P4788-01MS	BP-G3MS	BF140373.D	14 Nov 2024 20:09		RC/JU	Ok
25	P4788-01MSD	BP-G3MSD	BF140374.D	14 Nov 2024 20:35		RC/JU	Ok
26	P4796-05RE	TP-3RE	BF140375.D	14 Nov 2024 21:01	Fax is already given	RC/JU	Confirms
27	P4796-01RE	TP-1RE	BF140376.D	14 Nov 2024 21:28	Fax is already given	RC/JU	Confirms
28	P4722-08DL	WC-2(0-6)DL	BF140377.D	14 Nov 2024 21:54		RC/JU	Ok,M
29	P4768-06DL	B-6-2DL	BF140378.D	14 Nov 2024 22:20		RC/JU	Ok,M
30	P4739-09DL	BP-B2DL	BF140379.D	14 Nov 2024 22:47		RC/JU	Ok
31	P4795-01RE	LAW-23-00189RE	BF140380.D	14 Nov 2024 23:13	Fax is already given	RC/JU	Confirms
32	P4811-01RE	RB24008RE	BF140381.D	14 Nov 2024 23:39	Internal Standard Fail	RC/JU	Confirms
33	P4816-01RE	331RE	BF140382.D	15 Nov 2024 00:05	Fax is already given	RC/JU	Confirms
34	P4807-05	BF-F14	BF140383.D	15 Nov 2024 00:32		RC/JU	Ok
35	P4807-05MS	BF-F14MS	BF140384.D	15 Nov 2024 00:58		RC/JU	Ok
36	P4807-05MSD	BF-F14MSD	BF140385.D	15 Nov 2024 01:24		RC/JU	Ok
37	P4807-01	TP-7	BF140386.D	15 Nov 2024 01:49		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111424

Review By	yogesh	Review On	11/15/2024 5:15:55 AM		
Supervise By	mohammad	Supervise On	11/15/2024 5:49:37 AM		
SubDirectory	BF111424	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4798-01	MH-6	BF140387.D	15 Nov 2024 02:16	Need 2X Dilution	RC/JU	Dilution
39	P4789-01	BP-F21	BF140388.D	15 Nov 2024 02:42		RC/JU	Ok
40	P4793-01	M00-24-00345	BF140389.D	15 Nov 2024 03:08		RC/JU	Confirms

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM		
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM		
SubDirectory	BF111524	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140390.D	15 Nov 2024 09:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140391.D	15 Nov 2024 09:42		RC/JU	Ok,M
3	PB164789BL	PB164789BL	BF140392.D	15 Nov 2024 10:08		RC/JU	Ok
4	PB164789BS	PB164789BS	BF140393.D	15 Nov 2024 10:34		RC/JU	Ok,M
5	PB164886BS	PB164886BS	BF140394.D	15 Nov 2024 11:00		RC/JU	Ok,M
6	P4799-03	WC-TA2-02-C	BF140395.D	15 Nov 2024 11:33		RC/JU	Ok
7	P4799-03MS	WC-TA2-02-CMS	BF140396.D	15 Nov 2024 11:59		RC/JU	Ok,M
8	P4799-03MSD	WC-TA2-02-CMSD	BF140397.D	15 Nov 2024 12:25		RC/JU	Ok,M
9	P4799-07	WC-TA2-03-C	BF140398.D	15 Nov 2024 12:52		RC/JU	Ok
10	P4799-11	WC-TA1-01-C	BF140399.D	15 Nov 2024 13:18		RC/JU	Ok
11	P4799-15	WC-TA1-02-C	BF140400.D	15 Nov 2024 13:44		RC/JU	Ok
12	P4799-19	WC-TA1-03-C	BF140401.D	15 Nov 2024 14:10		RC/JU	Ok
13	P4807-04	TP-7	BF140402.D	15 Nov 2024 14:36		RC/JU	Ok
14	P4807-08	BF-F14	BF140403.D	15 Nov 2024 15:02		RC/JU	Ok
15	P4807-12	BF-F13	BF140404.D	15 Nov 2024 15:29		RC/JU	Ok
16	P4807-16	TP-6	BF140405.D	15 Nov 2024 15:55		RC/JU	Ok
17	P4809-04	MH-5	BF140406.D	15 Nov 2024 16:21		RC/JU	Ok
18	P4807-13	TP-6	BF140407.D	15 Nov 2024 16:47		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF111524

Review By	yogesh	Review On	11/18/2024 1:26:57 AM		
Supervise By	mohammad	Supervise On	11/18/2024 2:51:39 AM		
SubDirectory	BF111524	HP Acquire Method	BNA_F	HP Processing Method	Bf111324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12327,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4807-09	BF-F13	BF140408.D	15 Nov 2024 17:13		RC/JU	Ok
20	P4836-03	T3-STONE	BF140409.D	15 Nov 2024 17:40	Internal Standard Fail	RC/JU	ReRun
21	P4835-03	345-2-STONE	BF140410.D	15 Nov 2024 18:06		RC/JU	Ok
22	P4798-01DL	MH-6DL	BF140411.D	15 Nov 2024 18:32		RC/JU	Ok,M
23	P4825-01	STOCK-PILE	BF140412.D	15 Nov 2024 18:58		RC/JU	Ok,M
24	P4809-01	MH-5	BF140413.D	15 Nov 2024 19:25		RC/JU	Ok,M
25	P4850-01	OR-03-11142024	BF140414.D	15 Nov 2024 19:51		RC/JU	Ok,M
26	P4851-01	OK-02-11142024	BF140415.D	15 Nov 2024 20:17		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140526.D	21 Nov 2024 10:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140527.D	21 Nov 2024 10:44	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF140528.D	21 Nov 2024 11:13		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF140529.D	21 Nov 2024 11:39	Compound#9,32,41,54,56,65,70 removed from 5 ppm	RC/JU	Ok
5	SSTDICC010	SSTDICC010	BF140530.D	21 Nov 2024 12:05		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF140531.D	21 Nov 2024 12:32	Compound#32,41,54 Kept on LR	RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF140532.D	21 Nov 2024 12:58	Calibration failed for Benzidine	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF140533.D	21 Nov 2024 13:25	The Calibration is Good For 8270 DOD Except com#77 and good for 625.1 Method Except com#77	RC/JU	Ok
9	SSTDICC060	SSTDICC060	BF140534.D	21 Nov 2024 13:51		RC/JU	Ok
10	SSTDICC080	SSTDICC080	BF140535.D	21 Nov 2024 14:18	Compound#9 removed from 80 ppm	RC/JU	Ok
11	SSTDICV040	ICVBF112124	BF140536.D	21 Nov 2024 15:07		RC/JU	Ok,M
12	PB165144BL	PB165144BL	BF140537.D	21 Nov 2024 15:34		RC/JU	Ok
13	DFTPP	DFTPP	BF140538.D	21 Nov 2024 16:27		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF140539.D	21 Nov 2024 16:54		RC/JU	Ok,M
15	PB165060TB	PB165060TB	BF140540.D	21 Nov 2024 17:20		RC/JU	Ok
16	P4887-06	MH-760	BF140541.D	21 Nov 2024 17:55		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4887-02	MH-739	BF140542.D	21 Nov 2024 18:21		RC/JU	Ok
18	P4870-16	TP-15	BF140543.D	21 Nov 2024 18:48		RC/JU	Ok
19	P4870-15	MH-736	BF140544.D	21 Nov 2024 19:14		RC/JU	Ok
20	P4870-14	MH-735	BF140545.D	21 Nov 2024 19:40		RC/JU	Ok
21	P4870-13	TP-1	BF140546.D	21 Nov 2024 20:07		RC/JU	Ok
22	P4929-02	ARS520	BF140547.D	21 Nov 2024 20:33		RC/JU	Ok
23	P4924-04	MH-4	BF140548.D	21 Nov 2024 20:59		RC/JU	Ok
24	P4921-01	WC-11-A-202411	BF140549.D	21 Nov 2024 21:25		RC/JU	Ok
25	P4916-12	TP-3-WC	BF140550.D	21 Nov 2024 21:51		RC/JU	Ok
26	P4916-08	TP-2-WC	BF140551.D	21 Nov 2024 22:18		RC/JU	Ok
27	P4916-04	TP-1-WC	BF140552.D	21 Nov 2024 22:44		RC/JU	Ok
28	P4887-01	MH-739	BF140553.D	21 Nov 2024 23:10		RC/JU	Ok
29	P4916-09	TP-3-WC	BF140554.D	21 Nov 2024 23:36		RC/JU	Ok
30	P4916-09MS	TP-3-WCMS	BF140555.D	22 Nov 2024 00:02		RC/JU	Ok,NS
31	P4916-09MSD	TP-3-WCMSD	BF140556.D	22 Nov 2024 00:28		RC/JU	Ok,NS
32	P4916-01	TP-1-WC	BF140557.D	22 Nov 2024 00:54		RC/JU	Ok
33	P4916-05RE	TP-2-WCRE	BF140558.D	22 Nov 2024 01:21	Internal Standard Fail	RC/JU	Confirms
34	P4887-05RE	MH-760RE	BF140559.D	22 Nov 2024 01:47	Internal Standard Fail	RC/JU	Confirms
35	P4924-01	MH-4	BF140560.D	22 Nov 2024 02:13	Internal Standard Fail	RC/JU	ReRun

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112124

Review By	yogesh	Review On	11/22/2024 3:53:36 AM		
Supervise By	mohammad	Supervise On	11/22/2024 4:01:03 AM		
SubDirectory	BF112124	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12329,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

36	P4936-01	PL-01-11202024	BF140561.D	22 Nov 2024 02:39	Internal Standard Fail	RC/JU	Ok,NS
37	P4929-01	ARS520	BF140562.D	22 Nov 2024 03:06	Internal Standard Fail	RC/JU	Ok,NS

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140589.D	25 Nov 2024 09:07		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140590.D	25 Nov 2024 09:33		RC/JU	Ok,NR
3	PB165123TB	PB165123TB	BF140591.D	25 Nov 2024 09:59		RC/JU	Ok
4	PB165155BS	PB165155BS	BF140592.D	25 Nov 2024 10:25		RC/JU	Ok,NR
5	PB165155BL	PB165155BL	BF140593.D	25 Nov 2024 10:51		RC/JU	Ok
6	PB165086BS	PB165086BS	BF140594.D	25 Nov 2024 11:17	Recovery fail high for compound #72,90	RC/JU	Not Ok
7	PB165111TB	PB165111TB	BF140595.D	25 Nov 2024 11:43		RC/JU	Ok
8	PB165052BS	PB165052BS	BF140596.D	25 Nov 2024 12:09		RC/JU	Ok,NR
9	PB164986TB	PB164986TB	BF140597.D	25 Nov 2024 12:36		RC/JU	Ok
10	PB165152BS	PB165152BS	BF140598.D	25 Nov 2024 13:02		RC/JU	Ok,NR
11	PB164886TB	PB164886TB	BF140599.D	25 Nov 2024 13:27		RC/JU	Ok
12	PB165152BSD	PB165152BSD	BF140600.D	25 Nov 2024 13:54		RC/JU	Ok,NR
13	PB165152BL	PB165152BL	BF140601.D	25 Nov 2024 14:28		RC/JU	Ok
14	PB165185BS	PB165185BS	BF140602.D	25 Nov 2024 14:54		RC/JU	Ok,NR
15	DFTPP	DFTPP	BF140603.D	25 Nov 2024 15:23		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040	BF140604.D	25 Nov 2024 15:49	CCC fail high side for compound #77	RC/JU	Ok,NR
17	PB165052BL	PB165052BL	BF140605.D	25 Nov 2024 16:17		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4947-01	A3988	BF140606.D	25 Nov 2024 16:49		RC/JU	Ok
19	P4892-04	WB-310-SW	BF140607.D	25 Nov 2024 17:15		RC/JU	Ok
20	P4860-09	PH2-BOT-006	BF140608.D	25 Nov 2024 17:41		RC/JU	Ok
21	P4860-01	DUP-01	BF140609.D	25 Nov 2024 18:07		RC/JU	Ok
22	P4960-01	B1	BF140610.D	25 Nov 2024 18:34		RC/JU	Ok
23	P4960-05	SW3	BF140611.D	25 Nov 2024 19:00		RC/JU	Ok
24	P4892-03	WB-310-BOT	BF140612.D	25 Nov 2024 19:26		RC/JU	Ok
25	P4892-03MS	WB-310-BOTMS	BF140613.D	25 Nov 2024 19:52		RC/JU	Ok,NR
26	P4892-03MSD	WB-310-BOTMSD	BF140614.D	25 Nov 2024 20:18		RC/JU	Ok,NR
27	P4860-06	PH2-BOT-009	BF140615.D	25 Nov 2024 20:45		RC/JU	Ok
28	P4860-09MS	PH2-BOT-006MS	BF140616.D	25 Nov 2024 21:11	MSD Not Ok	RC/JU	Not Ok
29	P4860-09MSD	PH2-BOT-006MSD	BF140617.D	25 Nov 2024 21:37	Internal Standard Fail	RC/JU	Not Ok
30	P4960-03	SW1	BF140618.D	25 Nov 2024 22:03	Internal Standard Fail	RC/JU	ReRun
31	P4860-10	PH2-BOT-005	BF140619.D	25 Nov 2024 22:29	Internal Standard Fail	RC/JU	ReRun
32	P4860-04	PH2-BOT-003	BF140620.D	25 Nov 2024 22:55		RC/JU	Ok
33	P4860-07	PH2-BOT-008	BF140621.D	25 Nov 2024 23:22		RC/JU	Ok
34	P4860-03	PH2-BOT-002	BF140622.D	25 Nov 2024 23:48		RC/JU	Ok
35	P4951-01	AU-05-112124	BF140623.D	26 Nov 2024 00:14	Internal Standard Fail	RC/JU	ReRun
36	P4954-01	TR-05-112124	BF140624.D	26 Nov 2024 00:40	Internal Standard Fail	RC/JU	Ok,NR

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF112524

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF112524	HP Acquire Method	BNA_F	HP Processing Method	bf112124

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6628,SP6627,SP6626,SP6625,SP6624,SP6623,SP6622,SP6621
CCC	SP6624
Internal Standard/PEM	S12330,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	P4954-01MS	TR-05-112124MS	BF140625.D	26 Nov 2024 01:06	Internal Standard Fail	RC/JU	Ok,NR
38	P4954-01MSD	TR-05-112124MSD	BF140626.D	26 Nov 2024 01:32	Internal Standard Fail	RC/JU	Ok,NR
39	P4954-03	TR-06-112124	BF140627.D	26 Nov 2024 01:58	Internal Standard Fail	RC/JU	ReRun

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164694

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 114771

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

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

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 23 °C

TCLP Technician Signature :

Supervisor By : SJ

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

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

Extraction Conformance/Non-Conformance Comments:

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

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB164694

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4718-03	WB-307-SB02	01	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
P4719-03	BAYAVE-STOCKPILE	02	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
P4720-05	JC-701-COMP-01	03	100.04	2000	N/A	N/A	N/A	3.5	1.0	T-1
P4722-04	WC-1(0-6)	04	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
P4722-09	WC-2(0-6)	05	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
P4722-14	WC-3(0-6)	06	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
P4732-02	PPE-COMP	07	100.00	2000	N/A	N/A	N/A	6.0	1.0	T-1
P4738-02	72-12018	08	100.02	2000	N/A	N/A	N/A	4.5	1.5	T-1
P4739-04	TP-14	09	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4739-08	BP-G2	10	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4739-12	BP-B2	11	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-2
P4739-16	TP-11	12	100.04	2000	N/A	N/A	N/A	8.2	1.5	T-2
PB164694TB	LEB694	13	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2

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

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB164694

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4718-03	WB-307-SB02	5.02	96.5	8.4	3.0	#1	4.94
P4719-03	BAYAVE-STOCKPILE	5.01	96.5	8.4	3.0	#1	4.94
P4720-05	JC-701-COMP-01	5.02	96.5	6.0	2.0	#1	4.94
P4722-04	WC-1(0-6)	5.03	96.5	9.4	4.0	#1	4.94
P4722-09	WC-2(0-6)	5.02	96.5	9.0	3.5	#1	4.94
P4722-14	WC-3(0-6)	5.01	96.5	8.6	3.5	#1	4.94
P4732-02	PPE-COMP	5.00	96.5	8.4	3.0	#1	4.94
P4738-02	72-12018	5.02	96.5	7.0	2.5	#1	4.94
P4739-04	TP-14	5.03	96.5	7.2	2.5	#1	4.94
P4739-08	BP-G2	5.04	96.5	8.0	3.0	#1	4.94
P4739-12	BP-B2	5.02	96.5	7.6	2.5	#1	4.94
P4739-16	TP-11	5.01	96.5	10.0	4.0	#1	4.94
PB164694TB	LEB694	N/A	N/A	N/A	N/A	#1	4.94

WORKLIST(Hardcopy Internal Chain)

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

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

Date/Time 11/06/24 16:10

Raw Sample Received by:

Raw Sample Relinquished by: SM

Date/Time 11/06/24 18:00

Raw Sample Received by: SM

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164792

SOP ID : M1312-SPLP-10

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-4

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-2

TCLP Filter ID : 114771

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

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

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

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

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

Extraction Conformance/Non-Conformance Comments:

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

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

Alliance TECHNICAL GROUP

SPLP EXTRACTION LOGPAGE

PB164792

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4722-05	WC-1(0-6)	11	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4722-10	WC-2(0-6)	12	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-2
P4722-15	WC-3(0-6)	13	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
PB164792TB	LEB792	14	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-2

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

Alliance TECHNICAL GROUP

SPLP Fluid Determination

PB164792

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4722-05	WC-1(0-6)	N/A	N/A	N/A	N/A	#1	4.24
P4722-10	WC-2(0-6)	N/A	N/A	N/A	N/A	#1	4.24
P4722-15	WC-3(0-6)	N/A	N/A	N/A	N/A	#1	4.24
PB164792TB	LEB792	N/A	N/A	N/A	N/A	#1	4.24

WORKLIST(Hardcopy Internal Chain)

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

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

Date/Time 11/08/24 12:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 11/08/24 16:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164886

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	11/10/2024
Matrix :	Water			**Extraction Start Time :**	13:32
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/10/2024
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	18:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	4,6,7	**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	SP6630
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Baked Na2SO4	N/A	EP2556
Sand	N/A	E2865
Methylene Chloride	N/A	E3828
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH adjusted<2 with 1:1H2SO4 & >11 with 10 NaOH.

KD Bath ID:	Water bath -01,02	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/11/24	RP (EXT. LAB)	RC / SVOC
9:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164886

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 11/10/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164886BL	PB164886BL	SPLP BNA	1000	6	RUPESH	ritesh	1			SEP-1
PB164886BS	PB164886BS	SPLP BNA	1000	6	RUPESH	ritesh	1			2
PB164886TB	PB164886TB	SPLP BNA	1000	6	RUPESH	ritesh	1			3
P4722-05	WC-1(0-6)	SPLP BNA	1000	6	RUPESH	ritesh	1	A		4
P4722-10	WC-2(0-6)	SPLP BNA	1000	6	RUPESH	ritesh	1	A		5
P4722-15	WC-3(0-6)	SPLP BNA	1000	6	RUPESH	ritesh	1	A		6
P4722-15MS	WC-3(0-6)MS	SPLP BNA	1000	6	RUPESH	ritesh	1	A		7
P4722-15MSD	WC-3(0-6)MSD	SPLP BNA	1000	6	RUPESH	ritesh	1	A		8

11/10/24

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

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SPLP EXTRACTION LOGPAGE

PB164792

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4722-05	WC-1(0-6)	11	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
P4722-10	WC-2(0-6)	12	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-2
P4722-15	WC-3(0-6)	13	100.02	2000	N/A	N/A	N/A	7.2	1.5	T-2
PB164792TB	LEB792	14	N/A	2000	N/A	N/A	N/A	4.24	1.0	T-2

11/04/2024

11:30

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

QUOTE NO. P4722
COC Number 2046205

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

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

PRESERVATIVES

Method Blank

COMMENTS

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

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

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

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

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

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

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

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

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

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4722-01	WC-1(5.5)	Solid	11/05/2024	11:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-06	WC-2(2)	Solid	11/05/2024	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-11	WC-3(5)	Solid	11/05/2024	08:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-17	WC-1(3.5)	Solid	11/05/2024	12:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-19	WC-2(4)	Solid	11/05/2024	10:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
P4722-21	WC-3(3)	Solid	11/05/2024	08:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

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

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

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

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 11/6/24 1218

Received By : Roman 12:20
Date / Time : 11/06/24
Storage Area : VOA Refridgerator Room