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

Cover Page

Order ID : Q2392

Project ID : Thomas McGoven

Client : Earth Engineering Inc.

Lab Sample Number	Client Sample Number
Q2392-01	S-1
Q2392-02	S-1A

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: 6/26/2025

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2392**

	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: **PRADIP PRAJAPATI** **Date:** **06/26/2025**

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

LAB CHRONICLE

OrderID:	Q2392	**OrderDate:**	6/23/2025 10:03:33 AM
Client:	Earth Engineering Inc.	**Project:**	Thomas McGoven
Contact:	Frank Dougherty, LSRP	**Location:**	A41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2392-01	**S-1**	**SOIL**			**06/23/25**			**06/23/25**
			SVOC-TCL BNA -20	8270E		06/24/25	06/24/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : S-1									
Q2392-01	S-1	SOIL	n-Hexadecanoic acid	*	210.000	J	0	0	ug/Kg
Q2392-01	S-1	SOIL	Pentadecafluorooctanoic acid, oct	*	120.000	J	0	0	ug/Kg
Q2392-01	S-1	SOIL	Pentadecane, 2,6,10-trimethyl-	*	88.100	J	0	0	ug/Kg
Q2392-01	S-1	SOIL	Phenol, 4,4-(1-methylethylidene)b	*	430.000	J	0	0	ug/Kg
Q2392-01	S-1	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	AB	0	0	ug/Kg
Q2392-01	S-1	SOIL	Benzophenone	*	160.000	J	0	0	ug/Kg
Q2392-01	S-1	SOIL	Benzyl Alcohol	*	280.000	J	52.5	360	ug/Kg
			Total Tics :		**1,518.10**				
			Total Concentration:		**1,518.10**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168601BL	PB168601BL	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	79.3	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		2,4,6-Tribromophenol	150	129	86		10	116
		Terphenyl-d14	100	72.4	72		10	105
PB168601BS	PB168601BS	2-Fluorophenol	150	118	79		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	77.1	77		18	107
		2-Fluorobiphenyl	100	78.8	79		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	62.0	62		10	105
Q2392-01	S-1	2-Fluorophenol	150	70.2	47		18	112
		Phenol-d6	150	71.2	47		15	107
		Nitrobenzene-d5	100	49.7	50		18	107
		2-Fluorobiphenyl	100	55.3	55		20	109
		2,4,6-Tribromophenol	150	64.9	43		10	116
		Terphenyl-d14	100	32.6	33		10	105
Q2394-01MS	MH-K/LMS	2-Fluorophenol	150	94.0	63		18	112
		Phenol-d6	150	95.7	64		15	107
		Nitrobenzene-d5	100	60.3	60		18	107
		2-Fluorobiphenyl	100	58.9	59		20	109
		2,4,6-Tribromophenol	150	88.4	59		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q2394-01MSD	MH-K/LMSD	2-Fluorophenol	150	97.9	65		18	112
		Phenol-d6	150	101	67		15	107
		Nitrobenzene-d5	100	63.6	64		18	107
		2-Fluorobiphenyl	100	63.1	63		20	109
		2,4,6-Tribromophenol	150	91.8	61		10	116
		Terphenyl-d14	100	39.9	40		10	105

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MS		**Client Sample ID: MH-K/LMS**						**DataFile: BF142843.D**			
Benzaldehyde	1200	0	850	ug/Kg	71				10	171	
Phenol	1200	0	910	ug/Kg	76				51	122	
bis(2-Chloroethyl)ether	1200	0	930	ug/Kg	78				54	125	
2-Chlorophenol	1200	0	940	ug/Kg	78				51	121	
2-Methylphenol	1200	0	930	ug/Kg	78				47	125	
2,2-oxybis(1-Chloropropane)	1200	0	900	ug/Kg	75				46	119	
Acetophenone	1200	0	950	ug/Kg	79				55	128	
3+4-Methylphenols	1200	0	940	ug/Kg	78				49	125	
N-Nitroso-di-n-propylamine	1200	0	950	ug/Kg	79				59	119	
Hexachloroethane	1200	0	920	ug/Kg	77				51	116	
Nitrobenzene	1200	0	950	ug/Kg	79				47	124	
Isophorone	1200	0	940	ug/Kg	78				49	127	
2-Nitrophenol	1200	0	990	ug/Kg	83				43	131	
2,4-Dimethylphenol	1200	0	930	ug/Kg	78				63	151	
bis(2-Chloroethoxy)methane	1200	0	950	ug/Kg	79				51	119	
2,4-Dichlorophenol	1200	0	950	ug/Kg	79				50	122	
Naphthalene	1200	0	950	ug/Kg	79				51	121	
4-Chloroaniline	1200	0	270	ug/Kg	23				10	100	
Hexachlorobutadiene	1200	0	950	ug/Kg	79				44	126	
Caprolactam	1200	0	950	ug/Kg	79				51	134	
4-Chloro-3-methylphenol	1200	0	910	ug/Kg	76				57	132	
2-Methylnaphthalene	1200	0	940	ug/Kg	78				59	123	
Hexachlorocyclopentadiene	2300	0	1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1200	0	950	ug/Kg	79				33	141	
2,4,5-Trichlorophenol	1200	0	940	ug/Kg	78				38	135	
1,1-Biphenyl	1200	0	970	ug/Kg	81				55	131	
2-Chloronaphthalene	1200	0	960	ug/Kg	80				48	124	
2-Nitroaniline	1200	0	920	ug/Kg	77				47	134	
Dimethylphthalate	1200	0	970	ug/Kg	81				54	120	
Acenaphthylene	1200	0	940	ug/Kg	78				57	125	
2,6-Dinitrotoluene	1200	0	960	ug/Kg	80				48	127	
3-Nitroaniline	1200	0	480	ug/Kg	40				10	112	
Acenaphthene	1200	0	1000	ug/Kg	83				70	121	
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70				10	155	
4-Nitrophenol	2300	0	1500	ug/Kg	65				10	175	
Dibenzofuran	1200	0	920	ug/Kg	77				52	114	
2,4-Dinitrotoluene	1200	0	910	ug/Kg	76				41	140	
Diethylphthalate	1200	0	950	ug/Kg	79				51	119	
4-Chlorophenyl-phenylether	1200	0	920	ug/Kg	77				48	122	
Fluorene	1200	0	900	ug/Kg	75				53	118	
4-Nitroaniline	1200	0	800	ug/Kg	67				29	140	
4,6-Dinitro-2-methylphenol	1200	0	950	ug/Kg	79				10	160	
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92				73	118	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200	0	1000	ug/Kg	83				67	118	
Atrazine	1200	0	1100	ug/Kg	92				45	175	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	1700	ug/Kg	74				13	153	
Phenanthrene	1200	0	950	ug/Kg	79				52	128	
Anthracene	1200	0	940	ug/Kg	78				62	124	
Carbazole	1200	0	860	ug/Kg	72				59	119	
Di-n-butylphthalate	1200	0	1000	ug/Kg	83				55	125	
Fluoranthene	1200	0	830	ug/Kg	69				44	125	
Pyrene	1200	0	620	ug/Kg	52				37	122	
Butylbenzylphthalate	1200	0	930	ug/Kg	78				44	135	
3,3-Dichlorobenzidine	1200	0	380	ug/Kg	32				15	112	
Benzo(a)anthracene	1200	0	960	ug/Kg	80				53	119	
Chrysene	1200	0	990	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200	0	1000	ug/Kg	83				42	169	
Di-n-octyl phthalate	1200	0	1000	ug/Kg	83				51	156	
Benzo(b)fluoranthene	1200	0	1000	ug/Kg	83				52	117	
Benzo(k)fluoranthene	1200	0	1000	ug/Kg	83				57	134	
Benzo(a)pyrene	1200	0	1000	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1200	0	560	ug/Kg	47				40	129	
Dibenz(a,h)anthracene	1200	0	570	ug/Kg	48				43	123	
Benzo(g,h,i)perylene	1200	0	490	ug/Kg	41				24	125	
1,2,4,5-Tetrachlorobenzene	1200	0	980	ug/Kg	82				52	134	
1,4-Dioxane	1200	0	820	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1200	0	870	ug/Kg	73				24	146	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2394-01MSD		**Client Sample ID: MH-K/LMSD**						**DataFile: BF142844.D**			
Benzaldehyde	1200	0	900	ug/Kg	75		5		10	171	20
Phenol	1200	0	950	ug/Kg	79		4		51	122	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		6		54	125	20
2-Chlorophenol	1200	0	990	ug/Kg	83		6		51	121	20
2-Methylphenol	1200	0	980	ug/Kg	82		5		47	125	20
2,2-oxybis(1-Chloropropane)	1200	0	950	ug/Kg	79		5		46	119	20
Acetophenone	1200	0	1000	ug/Kg	83		5		55	128	20
3+4-Methylphenols	1200	0	980	ug/Kg	82		5		49	125	20
N-Nitroso-di-n-propylamine	1200	0	990	ug/Kg	83		5		59	119	20
Hexachloroethane	1200	0	990	ug/Kg	83		8		51	116	20
Nitrobenzene	1200	0	990	ug/Kg	83		5		47	124	20
Isophorone	1200	0	990	ug/Kg	83		6		49	127	20
2-Nitrophenol	1200	0	1100	ug/Kg	92		10		43	131	20
2,4-Dimethylphenol	1200	0	970	ug/Kg	81		4		63	151	20
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83		5		51	119	20
2,4-Dichlorophenol	1200	0	990	ug/Kg	83		5		50	122	20
Naphthalene	1200	0	980	ug/Kg	82		4		51	121	20
4-Chloroaniline	1200	0	270	ug/Kg	23		0		10	100	20
Hexachlorobutadiene	1200	0	990	ug/Kg	83		5		44	126	20
Caprolactam	1200	0	990	ug/Kg	83		5		51	134	20
4-Chloro-3-methylphenol	1200	0	970	ug/Kg	81		6		57	132	20
2-Methylnaphthalene	1200	0	990	ug/Kg	83		6		59	123	20
Hexachlorocyclopentadiene	2300	0	1900	ug/Kg	83		6		10	175	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		5		33	141	20
2,4,5-Trichlorophenol	1200	0	990	ug/Kg	83		6		38	135	20
1,1-Biphenyl	1200	0	1000	ug/Kg	83		2		55	131	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		4		48	124	20
2-Nitroaniline	1200	0	990	ug/Kg	83		8		47	134	20
Dimethylphthalate	1200	0	1000	ug/Kg	83		2		54	120	20
Acenaphthylene	1200	0	990	ug/Kg	83		6		57	125	20
2,6-Dinitrotoluene	1200	0	1000	ug/Kg	83		4		48	127	20
3-Nitroaniline	1200	0	470	ug/Kg	39		3		10	112	20
Acenaphthene	1200	0	1000	ug/Kg	83		0		70	121	20
2,4-Dinitrophenol	2300	0	1600	ug/Kg	70		0		10	155	20
4-Nitrophenol	2300	0	1600	ug/Kg	70		7		10	175	20
Dibenzofuran	1200	0	970	ug/Kg	81		5		52	114	20
2,4-Dinitrotoluene	1200	0	960	ug/Kg	80		5		41	140	20
Diethylphthalate	1200	0	1000	ug/Kg	83		5		51	119	20
4-Chlorophenyl-phenylether	1200	0	970	ug/Kg	81		5		48	122	20
Fluorene	1200	0	940	ug/Kg	78		4		53	118	20
4-Nitroaniline	1200	0	830	ug/Kg	69		3		29	140	20
4,6-Dinitro-2-methylphenol	1200	0	1000	ug/Kg	83		5		10	160	20
N-Nitrosodiphenylamine	1200	0	1100	ug/Kg	92		0		73	118	20
4-Bromophenyl-phenylether	1200	0	1200	ug/Kg	100		8		65	121	20
Hexachlorobenzene	1200	0	1100	ug/Kg	92		10		67	118	20
Atrazine	1200	0	1100	ug/Kg	92		0		45	175	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2300	0	1800	ug/Kg	78		5		13	153	20
Phenanthrene	1200	0	1000	ug/Kg	83		5		52	128	20
Anthracene	1200	0	1000	ug/Kg	83		6		62	124	20
Carbazole	1200	0	920	ug/Kg	77		7		59	119	20
Di-n-butylphthalate	1200	0	1100	ug/Kg	92		10		55	125	20
Fluoranthene	1200	0	890	ug/Kg	74		7		44	125	20
Pyrene	1200	0	650	ug/Kg	54		4		37	122	20
Butylbenzylphthalate	1200	0	980	ug/Kg	82		5		44	135	20
3,3-Dichlorobenzidine	1200	0	390	ug/Kg	33		3		15	112	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83		4		53	119	20
Chrysene	1200	0	1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200	0	1100	ug/Kg	92		10		42	169	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92		10		51	156	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92		10		52	117	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92		10		57	134	20
Benzo(a)pyrene	1200	0	1000	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200	0	580	ug/Kg	48		2		40	129	20
Dibenz(a,h)anthracene	1200	0	580	ug/Kg	48		0		43	123	20
Benzo(g,h,i)perylene	1200	0	500	ug/Kg	42		2		24	125	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83		1		52	134	20
1,4-Dioxane	1200	0	860	ug/Kg	72		6		46	112	20
2,3,4,6-Tetrachlorophenol	1200	0	900	ug/Kg	75		3		24	146	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168601BS	Benzaldehyde	1700	1300	ug/Kg	76				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	560	ug/Kg	33				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3400	ug/Kg	103				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	750	ug/Kg	44				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3200	ug/Kg	97				37	128	
	4-Nitrophenol	3300	2800	ug/Kg	85				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				66	102	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2392

Client: Earth Engineering Inc.

Analytical Method: 8270E **DataFile:** BF142839.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168601BS	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3100	ug/Kg	94				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	660	ug/Kg	39		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168601BL

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG NO.: Q2392

Lab File ID: BF142838.D Lab Sample ID: PB168601BL

Instrument ID: BNA_F Date Extracted: 06/24/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/25/2025

Level: (low/med) LOW Time Analyzed: 15:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168601BS	PB168601BS	BF142839.D	06/25/2025
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025
S-1	Q2392-01	BF142822.D	06/24/2025

COMMENTS:

Raw Data: **BF142787.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM SAS No.: Q2392 SDG NO.: Q2392

Lab File ID: BF142787.D DFTPP Injection Date: 06/19/2025

Instrument ID: BNA_F DFTPP Injection Time: 16:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	30.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
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	5.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (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
SSTDICC2.5	SSTDICC2.5	BF142788.D	06/19/2025	17:07
SSTDICC005	SSTDICC005	BF142789.D	06/19/2025	17:38
SSTDICC010	SSTDICC010	BF142790.D	06/19/2025	18:08
SSTDICC020	SSTDICC020	BF142791.D	06/19/2025	18:39
SSTDICC040	SSTDICC040	BF142792.D	06/19/2025	19:09
SSTDICC050	SSTDICC050	BF142793.D	06/19/2025	19:40
SSTDICC060	SSTDICC060	BF142794.D	06/19/2025	20:10
SSTDICC080	SSTDICC080	BF142795.D	06/19/2025	20:40

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM SAS No.: Q2392 SDG NO.: Q2392

Lab File ID: BF142810.D DFTPP Injection Date: 06/24/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
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	6.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142811.D	06/24/2025	10:16
S-1	Q2392-01	BF142822.D	06/24/2025	16:30

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: EARTH03

Lab Code: CHEM SAS No.: Q2392 SDG NO.: Q2392

Lab File ID: BF142833.D DFTPP Injection Date: 06/25/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.1 (0.4) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.0 (0.0) 1
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
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (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
SSTDCCC040	SSTDCCC040	BF142834.D	06/25/2025	13:25
PB168601BL	PB168601BL	BF142838.D	06/25/2025	15:26
PB168601BS	PB168601BS	BF142839.D	06/25/2025	15:57
MH-K/LMS	Q2394-01MS	BF142843.D	06/25/2025	18:04
MH-K/LMSD	Q2394-01MSD	BF142844.D	06/25/2025	18:35

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG NO.: Q2392

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

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	88364	6.88	335549	8.16	179366	9.92
	UPPER LIMIT	176728	7.38	671098	8.663	358732	10.421
	LOWER LIMIT	44182	6.38	167775	7.663	89683	9.421
	EPA SAMPLE NO.						
01	S-1	65181	6.88	225495	8.16	97224	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.

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.: Q2392 SAS No.: Q2392 SDG NO.: Q2392

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/24/2025

Lab File ID: BF142811.D Time Analyzed: 10:16

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	300319	11.41	163667	14.056	187854	15.545
	UPPER LIMIT	600638	11.91	327334	14.556	375708	16.045
	LOWER LIMIT	150160	10.91	81833.5	13.556	93927	15.045
	EPA SAMPLE NO.						
01	S-1	150733	11.40	174997	14.05	128764	15.54

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

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

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG NO.: Q2392

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	62666	6.881	217016	8.16	105351	9.92
	UPPER LIMIT	125332	7.381	434032	8.663	210702	10.422
	LOWER LIMIT	31333	6.381	108508	7.663	52675.5	9.422
	EPA SAMPLE NO.						
01	PB168601BL	81390	6.88	310420	8.16	163008	9.92
02	PB168601BS	75779	6.88	274808	8.16	132637	9.92
03	MH-K/LMS	88519	6.88	329491	8.16	165682	9.92
04	MH-K/LMSD	86832	6.88	327352	8.16	161732	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.

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.: Q2392 SAS No.: Q2392 SDG NO.: Q2392

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/25/2025

Lab File ID: BF142834.D Time Analyzed: 13:25

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	165051	11.41	130450	14.057	161869	15.551
	UPPER LIMIT	330102	11.91	260900	14.557	323738	16.051
	LOWER LIMIT	82525.5	10.91	65225	13.557	80934.5	15.051
	EPA SAMPLE NO.						
01	PB168601BL	283770	11.40	173595	14.05	178625	15.54
02	PB168601BS	201072	11.41	147361	14.06	184315	15.55
03	MH-K/LMS	227501	11.41	165966	14.06	197780	15.55
04	MH-K/LMSD	216826	11.41	166084	14.06	195276	15.55

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

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

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

SAMPLE DATA

Raw Data: **BF142822.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	S-1	SDG No.:	Q2392
Lab Sample ID:	Q2392-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142822.D	1	06/24/25 13:00	06/24/25 16:30	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	360	ug/Kg
108-95-2	Phenol	23.9	U	23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.3	U	26.3	180	ug/Kg
95-57-8	2-Chlorophenol	26.4	U	26.4	180	ug/Kg
95-48-7	2-Methylphenol	32.4	U	32.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.6	U	40.6	180	ug/Kg
98-86-2	Acetophenone	31.9	U	31.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.5	U	44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.3	U	51.3	86.6	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.8	U	19.8	180	ug/Kg
78-59-1	Isophorone	35.5	U	35.5	180	ug/Kg
88-75-5	2-Nitrophenol	63.0	U	63.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.6	U	30.6	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.3	U	38.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.4	U	27.4	180	ug/Kg
105-60-2	Caprolactam	56.4	U	56.4	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.1	U	31.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.7	U	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.4	U	21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.5	U	31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	23.6	U	23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	U	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.1	U	52.1	180	ug/Kg
131-11-3	Dimethylphthalate	29.3	U	29.3	180	ug/Kg

Raw Data: **BF142822.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	S-1	SDG No.:	Q2392
Lab Sample ID:	Q2392-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142822.D	1	06/24/25 13:00	06/24/25 16:30	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.3	U	31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.4	U	36.4	180	ug/Kg
99-09-2	3-Nitroaniline	49.8	U	49.8	180	ug/Kg
83-32-9	Acenaphthene	23.1	U	23.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	360	ug/Kg
132-64-9	Dibenzofuran	24.6	U	24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.2	U	54.2	180	ug/Kg
84-66-2	Diethylphthalate	30.6	U	30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.9	U	28.9	180	ug/Kg
86-73-7	Fluorene	27.4	U	27.4	180	ug/Kg
100-01-6	4-Nitroaniline	69.5	U	69.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.6	U	35.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.1	U	30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	27.4	U	27.4	180	ug/Kg
1912-24-9	Atrazine	36.8	U	36.8	180	ug/Kg
87-86-5	Pentachlorophenol	55.5	U	55.5	360	ug/Kg
85-01-8	Phenanthrene	22.6	U	22.6	180	ug/Kg
120-12-7	Anthracene	36.1	U	36.1	180	ug/Kg
86-74-8	Carbazole	33.8	U	33.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.9	U	51.9	180	ug/Kg
206-44-0	Fluoranthene	32.5	U	32.5	180	ug/Kg
129-00-0	Pyrene	39.0	U	39.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.3	UQ	77.3	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.7	UQ	39.7	360	ug/Kg
56-55-3	Benzo(a)anthracene	24.9	U	24.9	180	ug/Kg
218-01-9	Chrysene	21.5	U	21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.1	U	64.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.0	U	94.0	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.6	U	20.6	180	ug/Kg

Raw Data: **BF142822.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	S-1	SDG No.:	Q2392
Lab Sample ID:	Q2392-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142822.D	1	06/24/25 13:00	06/24/25 16:30	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.3	U	24.3	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.9	U	31.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.5	U	31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.7	U	29.7	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.8	U	27.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.7	U	27.7	180	ug/Kg
123-91-1	1,4-Dioxane	48.9	U	48.9	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.7	U	29.7	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	70.2		18 - 112	47%	SPK: 150
13127-88-3	Phenol-d6	71.2		15 - 107	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.7		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.3		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.9		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	32.6		10 - 105	33%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	65200	6.881			
1146-65-2	Naphthalene-d8	225000	8.163			
15067-26-2	Acenaphthene-d10	97200	9.916			
1517-22-2	Phenanthrene-d10	151000	11.404			
1719-03-5	Chrysene-d12	175000	14.051			
1520-96-3	Perylene-d12	129000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	AB		5.09	ug/Kg
100-51-6	Benzyl Alcohol	280	J		7.02	ug/Kg
000119-61-9	Benzophenone	160	J		10.6	ug/Kg
003892-00-0	Pentadecane, 2,6,10-trimethyl-	88.1	J		10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	210	J		11.9	ug/Kg
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	430	J		12.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J		13.9	ug/Kg

Raw Data: **BF142822.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	S-1	SDG No.:	Q2392
Lab Sample ID:	Q2392-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142822.D	1	06/24/25 13:00	06/24/25 16:30	PB168601

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Jun 24 16:52:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

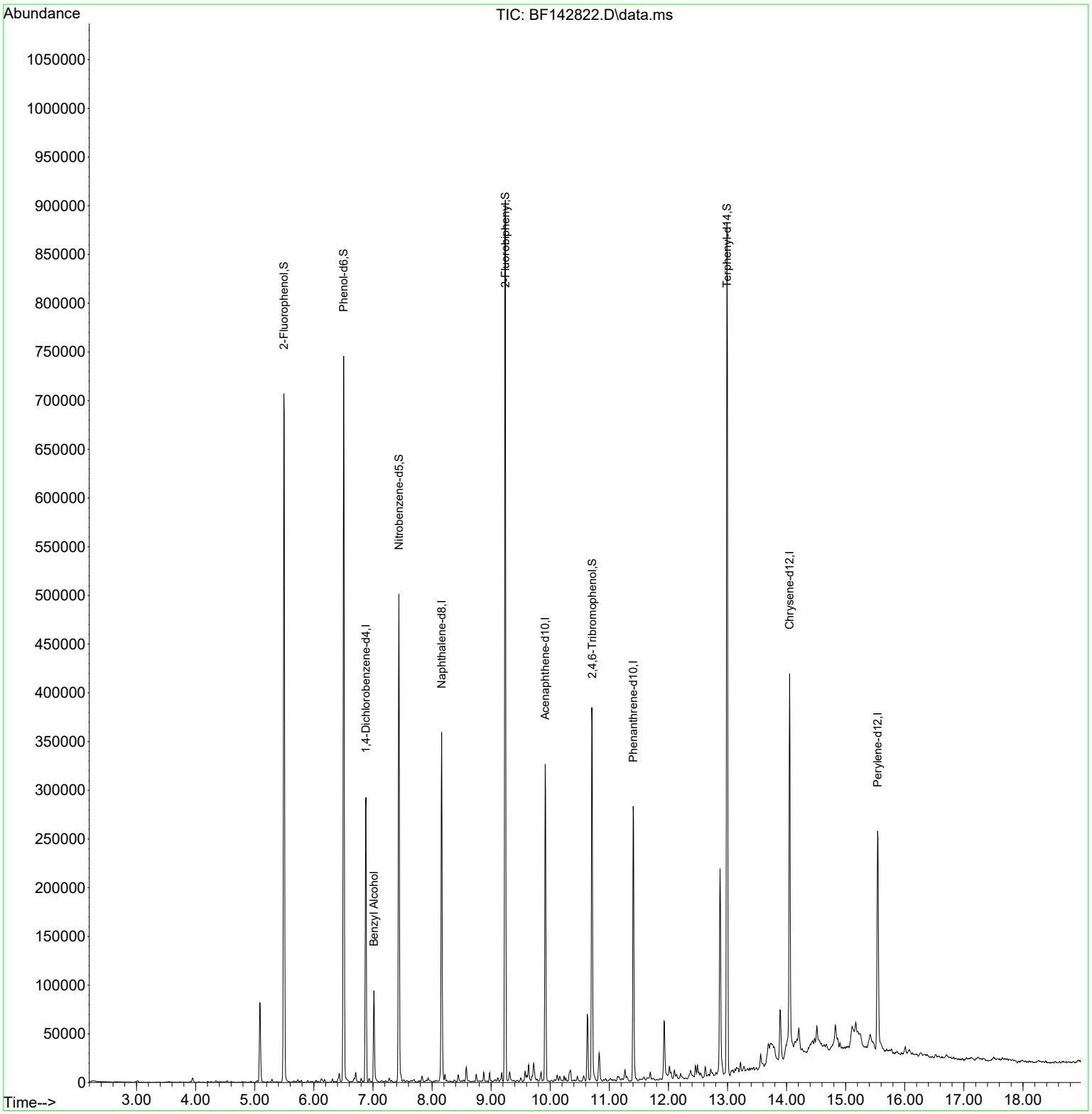
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65181	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	225495	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	97224	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	150733	20.000	ng	0.00
76) Chrysene-d12	14.051	240	174997	20.000	ng	0.00
86) Perylene-d12	15.539	264	128764	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274646	70.153	ng	0.00
7) Phenol-d6	6.504	99	328836	71.194	ng	0.00
23) Nitrobenzene-d5	7.439	82	204334	49.703	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	64950	64.917	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	409207	55.291	ng	0.00
79) Terphenyl-d14	12.992	244	412441	32.565	ng	0.00
Target Compounds						Qvalue
15) Benzyl Alcohol	7.016	79	25541	7.649	ng	98

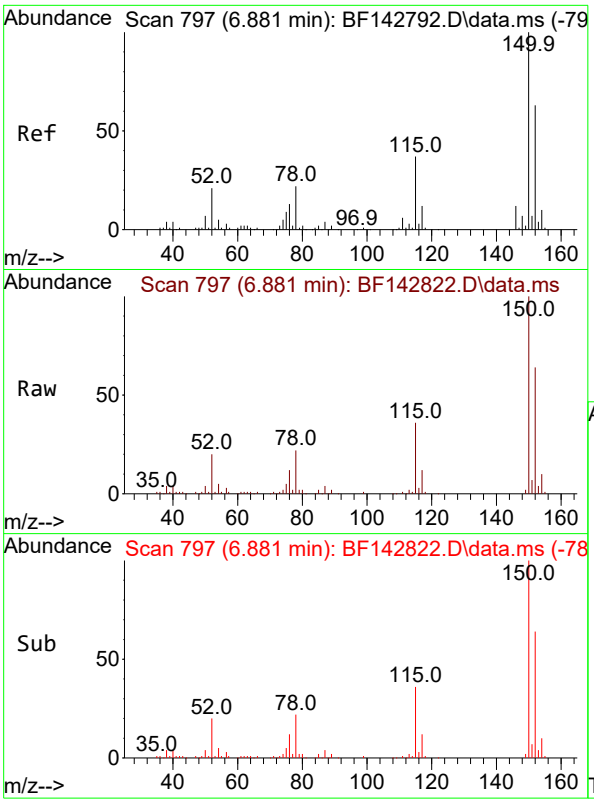
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Time: Jun 24 16:52:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



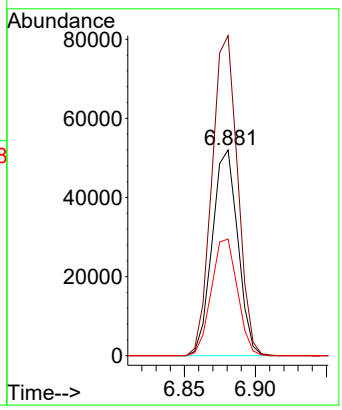


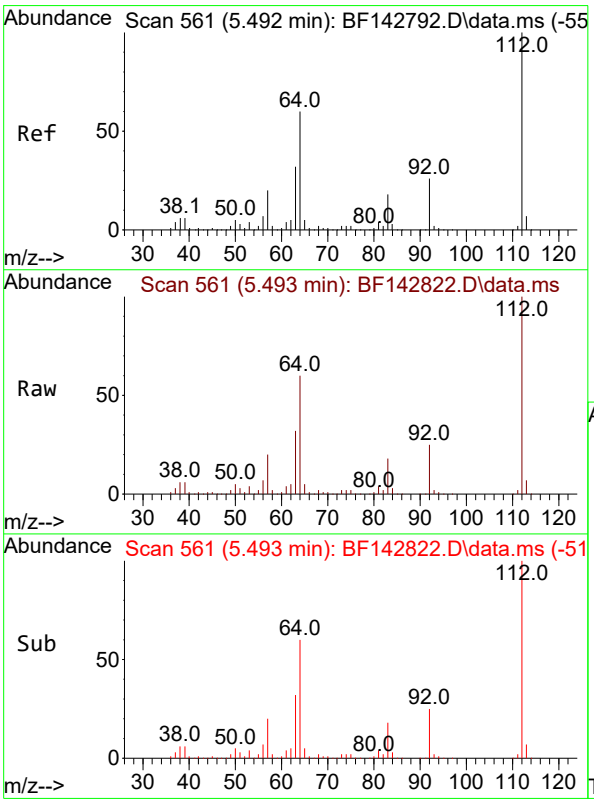
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:152 Resp: 65181

Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.2	190.8
115	56.7	46.6	69.8

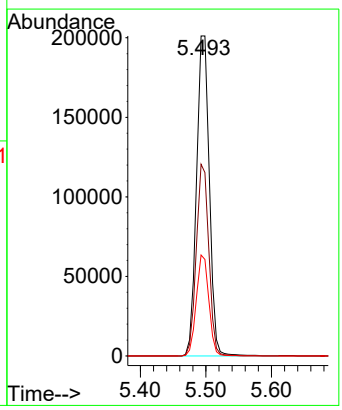


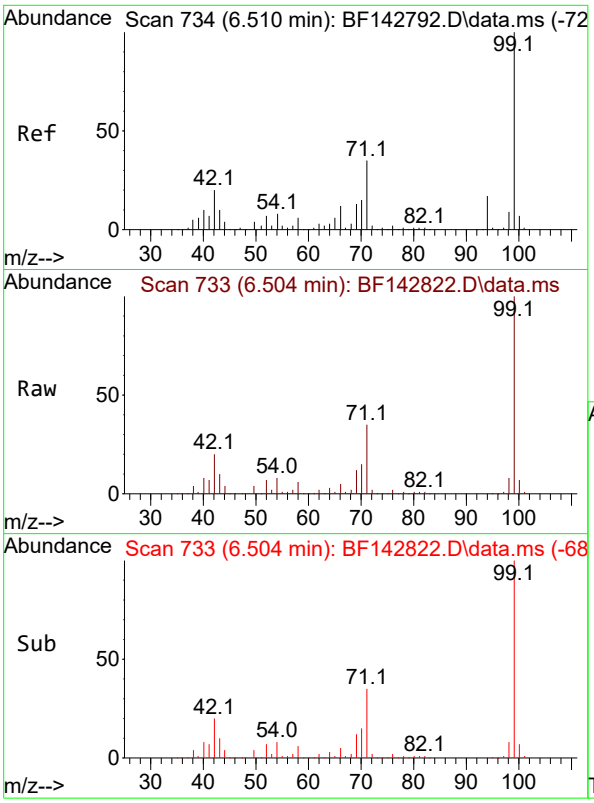


#5
2-Fluorophenol
Concen: 70.153 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:112 Resp: 274646

Ion	Ratio	Lower	Upper
112	100		
64	59.9	48.2	72.2
63	31.6	25.7	38.5



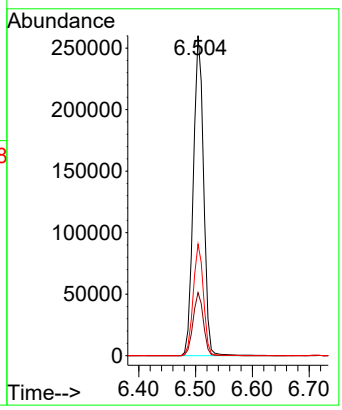


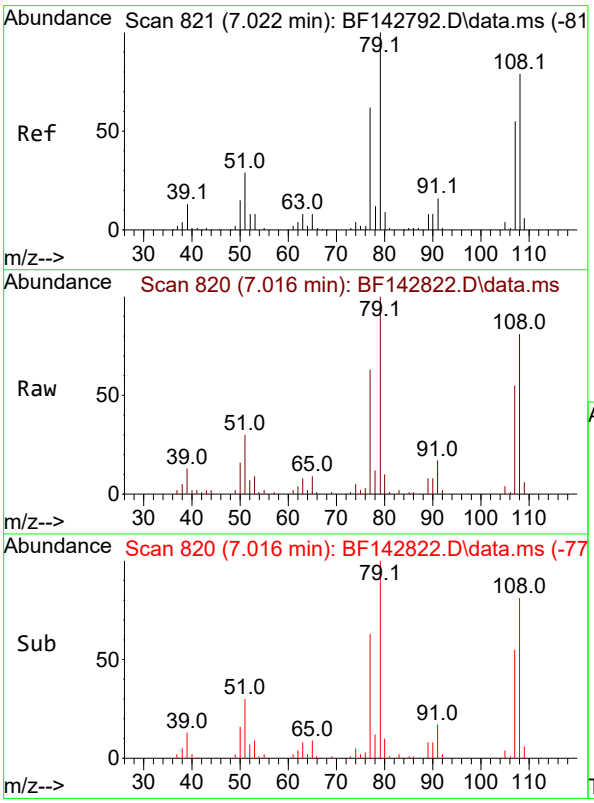
#7
Phenol-d6
Concen: 71.194 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion: 99 Resp: 328836

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	34.8	27.8	41.8

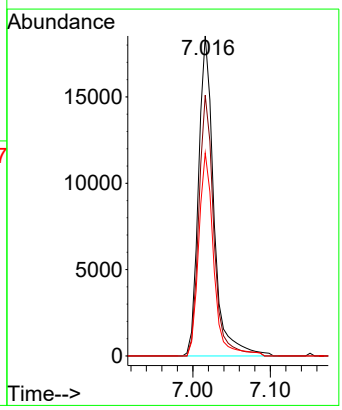


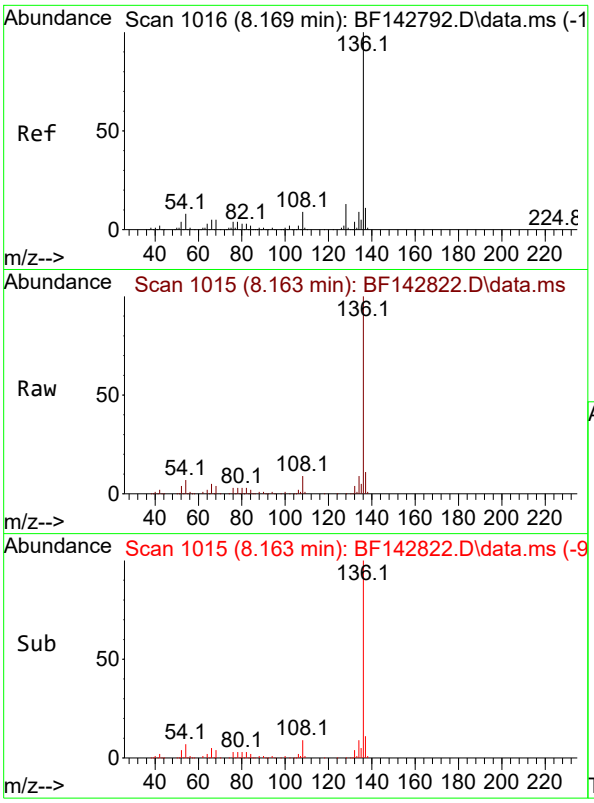


#15
Benzyl Alcohol
Concen: 7.649 ng
RT: 7.016 min Scan# 820
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion: 79 Resp: 25541

Ion	Ratio	Lower	Upper
79	100		
108	81.5	63.4	95.0
77	63.4	49.5	74.3



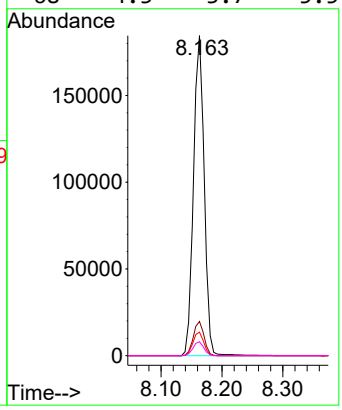


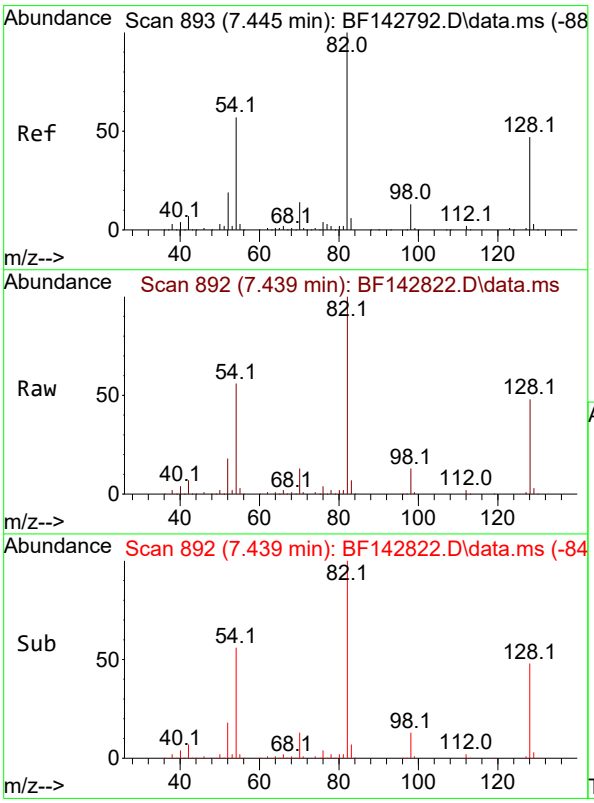
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:136 Resp: 225495

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5

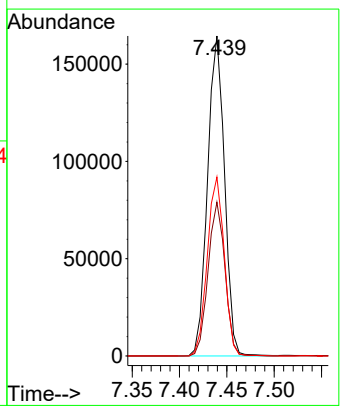


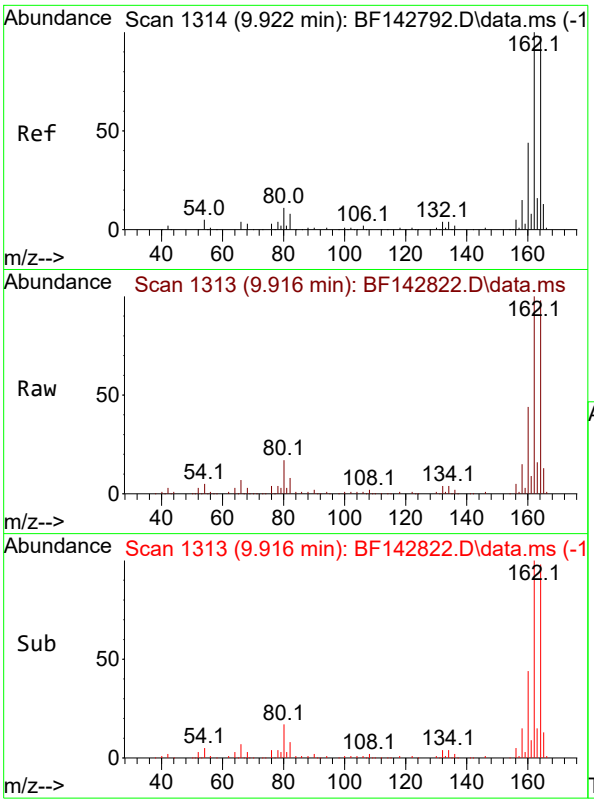


#23
Nitrobenzene-d5
Concen: 49.703 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion: 82 Resp: 204334

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.7	56.5
54	55.9	45.7	68.5



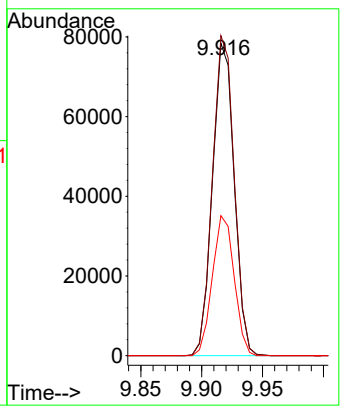


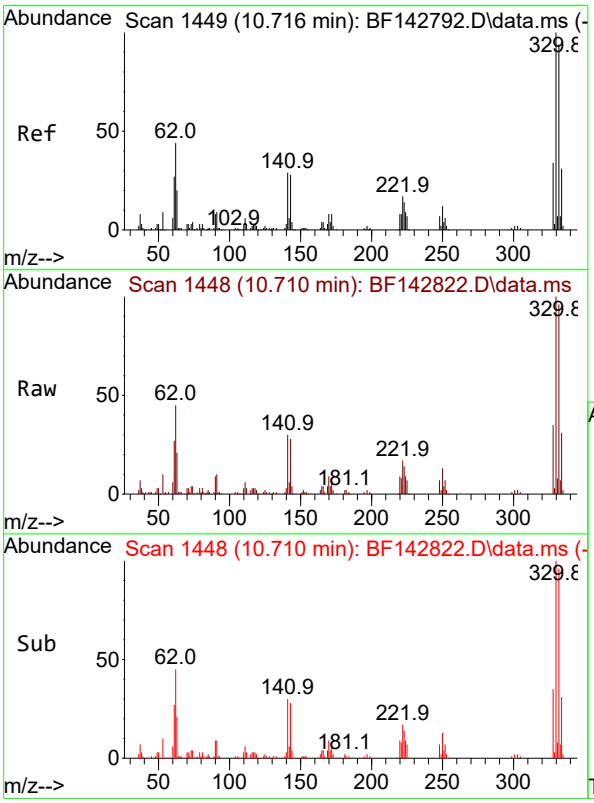
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:164 Resp: 97224

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.8	122.8
160	44.8	36.0	54.0

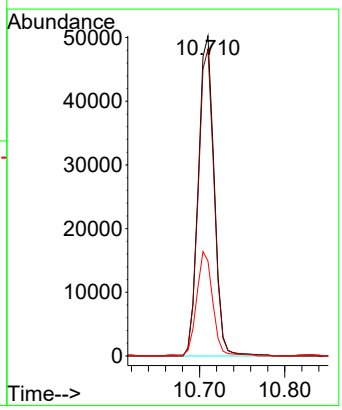


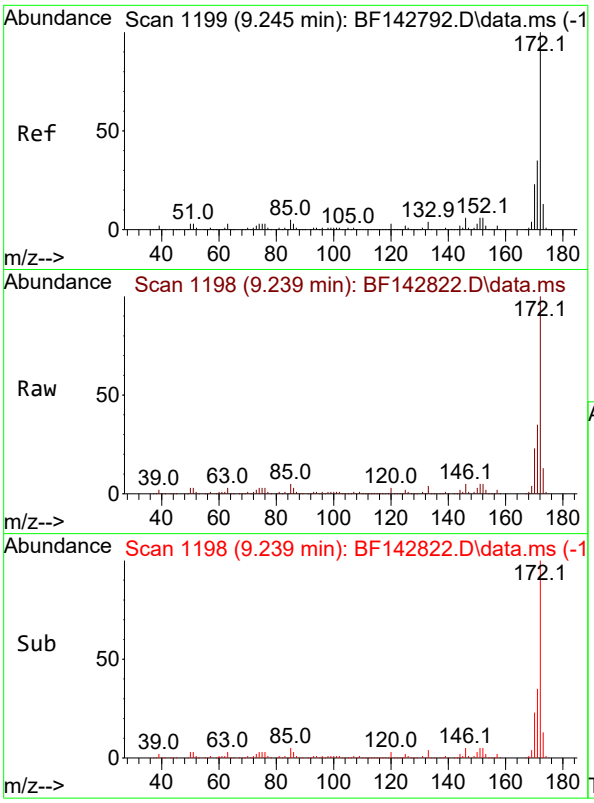


#42
2,4,6-Tribromophenol
Concen: 64.917 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:330 Resp: 64950

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.0	112.6
141	33.3	25.3	37.9



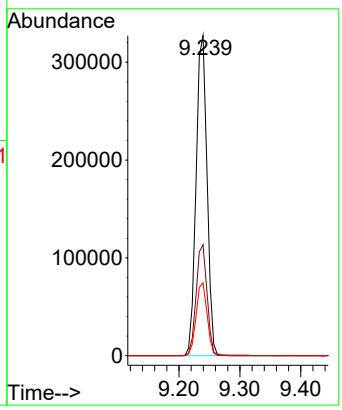


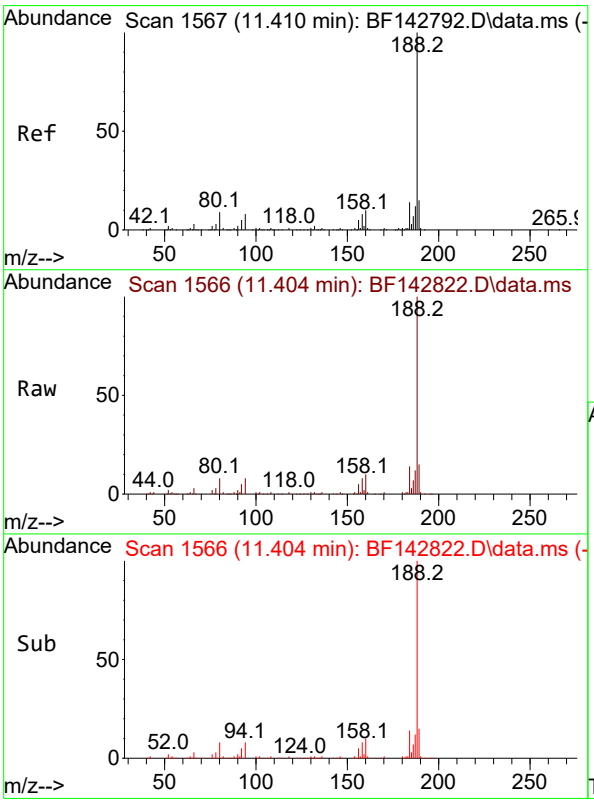
#45
2-Fluorobiphenyl
Concen: 55.291 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:172 Resp: 409207

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	22.8	18.5	27.7

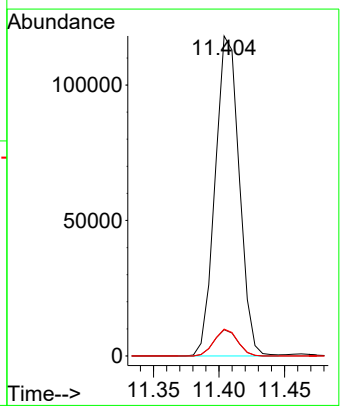


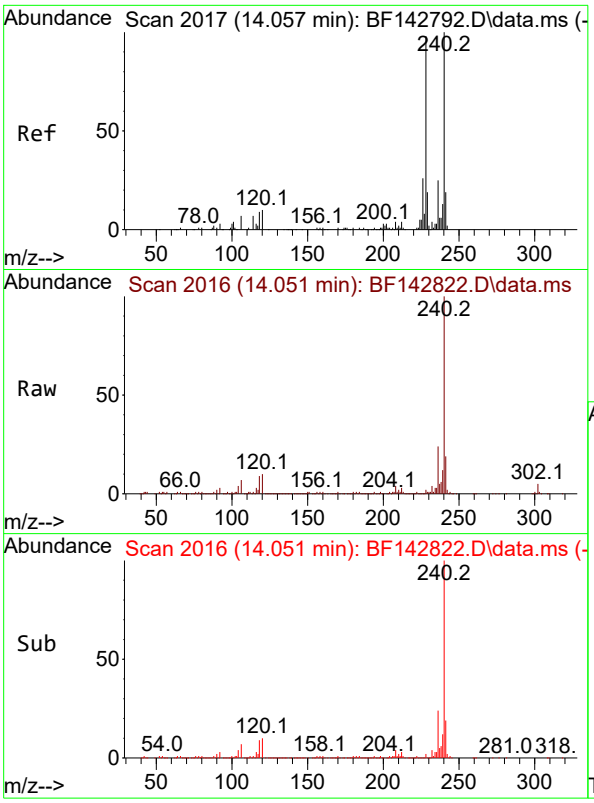


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:188 Resp: 150733

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.4	6.9	10.3



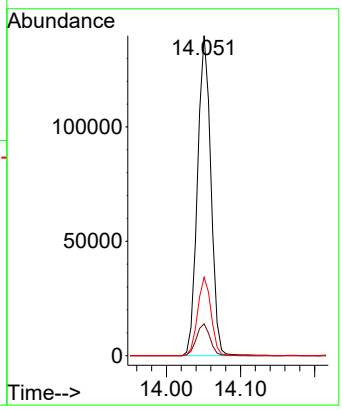


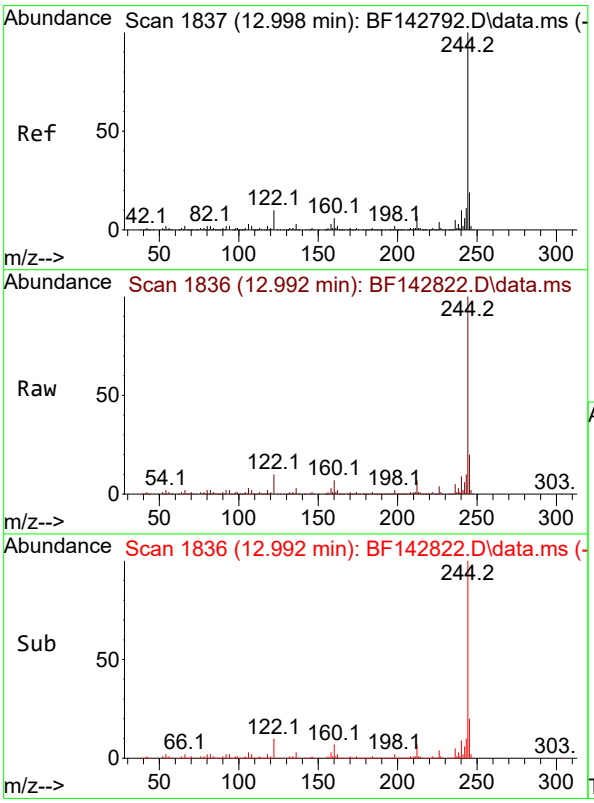
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:240 Resp: 174997

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.2	12.2
236	24.5	19.8	29.8

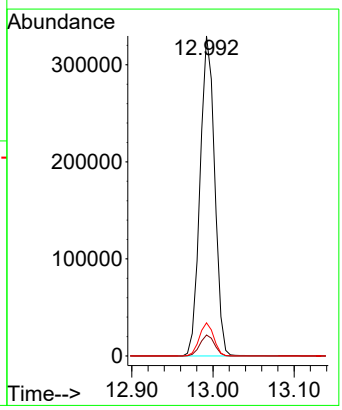


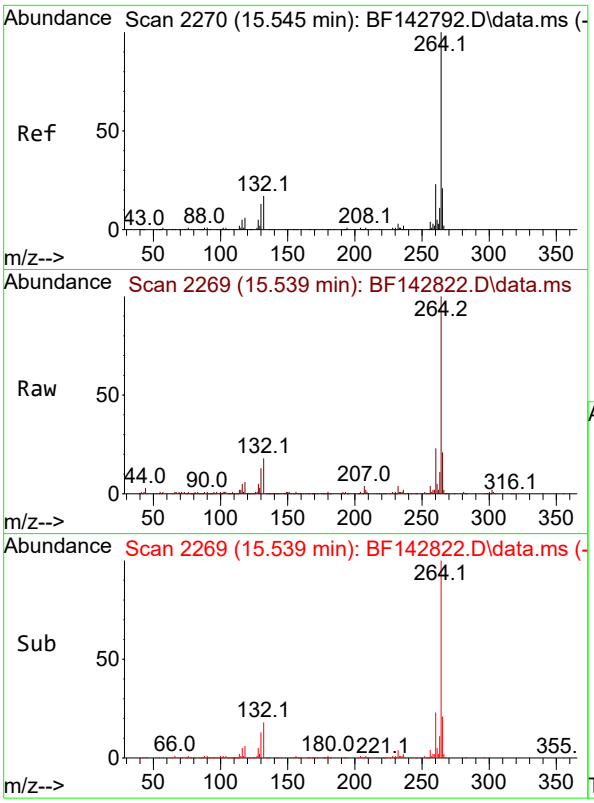


#79
Terphenyl-d14
Concen: 32.565 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Tgt Ion:244 Resp: 412441

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.4	8.2	12.2



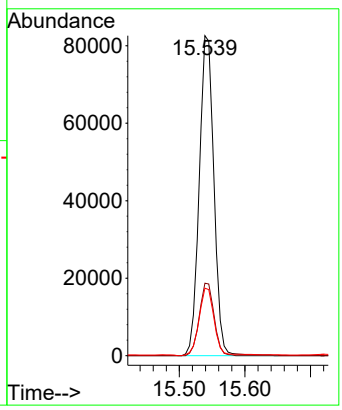


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142822.D
Acq: 24 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
S-1

Tgt Ion:264 Resp: 128764

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.1	16.6	25.0



Sample Results: **BF142822.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142822.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	487	492	503	rVB	81561	117152	10.32%	1.295%
2	5.493	553	561	573	rBV	706957	949949	83.66%	10.499%
3	6.428	713	720	725	rBV2	8573	15197	1.34%	0.168%
4	6.504	728	733	740	rBV	743532	936439	82.47%	10.350%
5	6.710	764	768	777	rVB2	9531	13892	1.22%	0.154%
6	6.881	792	797	803	rVB	291998	371460	32.71%	4.105%
7	7.016	815	820	831	rBV	93215	121948	10.74%	1.348%
8	7.439	886	892	897	rBV	500251	623172	54.88%	6.887%
9	8.163	1007	1015	1022	rBV	357937	450822	39.70%	4.983%
10	8.581	1081	1086	1092	rBV	14633	19205	1.69%	0.212%
11	9.181	1180	1188	1192	rBV	8560	11986	1.06%	0.132%
12	9.239	1192	1198	1203	rVV	904594	1135450	100.00%	12.549%
13	9.316	1205	1211	1220	rVB2	9218	14455	1.27%	0.160%
14	9.575	1252	1255	1258	rBV	9084	11629	1.02%	0.129%
15	9.633	1261	1265	1272	rVB3	15977	22709	2.00%	0.251%
16	9.722	1276	1280	1287	rVB	17050	27759	2.44%	0.307%
17	9.845	1294	1301	1305	rBV	9215	13159	1.16%	0.145%
18	9.916	1308	1313	1319	rVB	324803	402361	35.44%	4.447%
19	10.339	1378	1385	1389	rBV3	11101	22675	2.00%	0.251%
20	10.627	1429	1434	1440	rVV	68860	90417	7.96%	0.999%
21	10.704	1442	1447	1459	rVV	383551	514756	45.33%	5.689%
22	10.827	1462	1468	1478	rVB	28434	45530	4.01%	0.503%
23	11.263	1537	1542	1545	rBV3	10126	14875	1.31%	0.164%
24	11.404	1561	1566	1574	rBV	281876	372637	32.82%	4.118%
25	11.927	1648	1655	1665	rBV3	60506	106061	9.34%	1.172%
26	12.104	1680	1685	1688	rBV	8584	13090	1.15%	0.145%
27	12.374	1722	1731	1736	rBV7	8709	21894	1.93%	0.242%
28	12.457	1742	1745	1748	rBV	11286	14248	1.25%	0.157%
29	12.621	1769	1773	1778	rBV2	10319	13804	1.22%	0.153%
30	12.874	1807	1816	1826	rVB	210957	308962	27.21%	3.415%
31	12.992	1831	1836	1845	rVB	876275	1102620	97.11%	12.186%
32	13.221	1871	1875	1880	rBV2	9286	11893	1.05%	0.131%
33	13.563	1929	1933	1943	rBV4	13012	25235	2.22%	0.279%
34	13.692	1948	1955	1958	rBV2	19934	46388	4.09%	0.513%
35	13.892	1984	1989	1998	rBV2	51213	85916	7.57%	0.950%
36	14.051	2011	2016	2027	rVB	382834	518011	45.62%	5.725%

Sample Results: **BF142822.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	14.210	2040	2043	2049	rVB2	22028	33748	2.97%	0.373%
38	14.510	2092	2094	2106	rVB3	18113	32054	2.82%	0.354%
39	14.827	2145	2148	2153	rVB	14156	19488	1.72%	0.215%
40	15.539	2264	2269	2284	rVB	223363	374878	33.02%	4.143%

Sum of corrected areas: 9047924

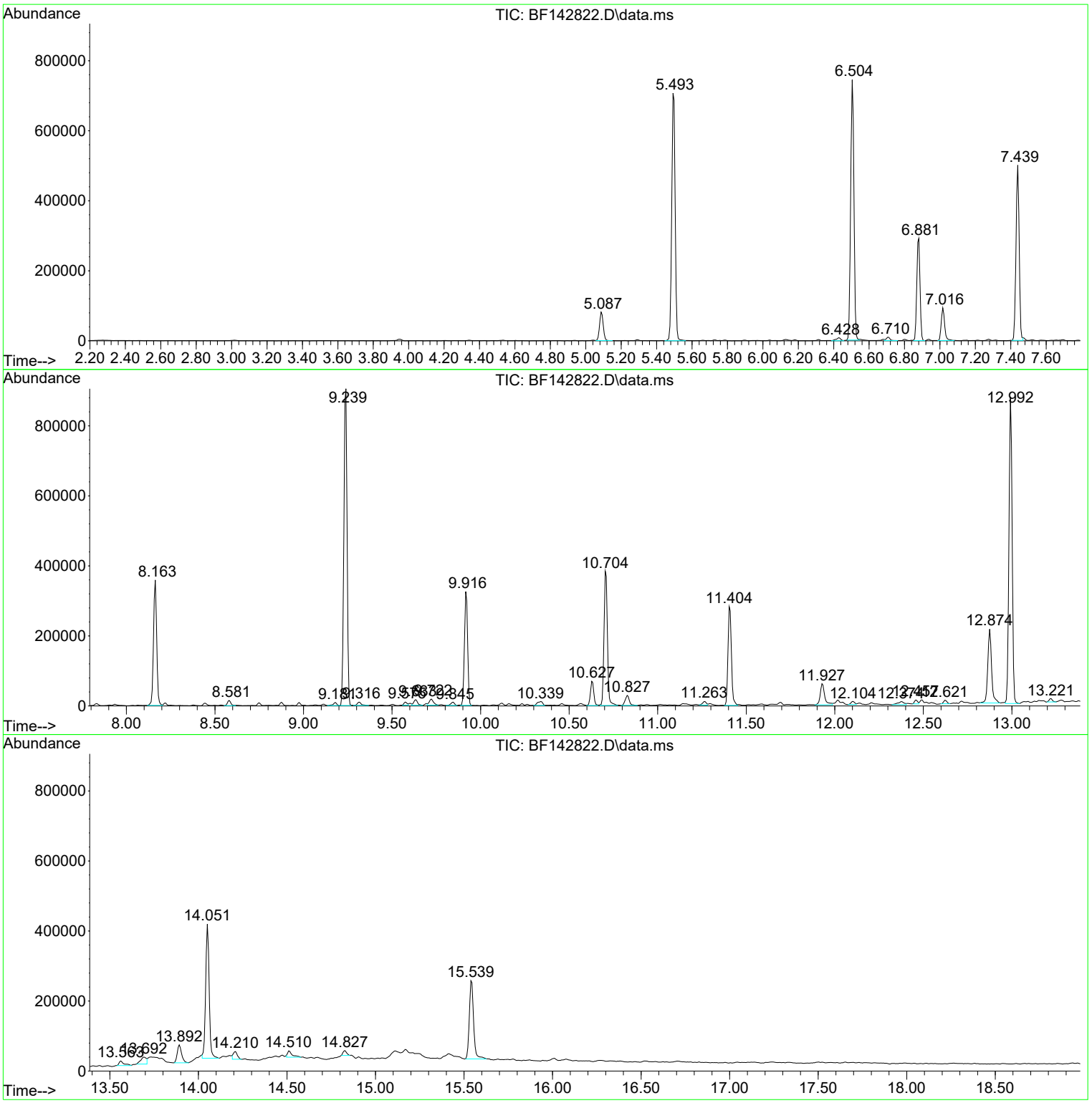
Sample Results: **BF142822.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

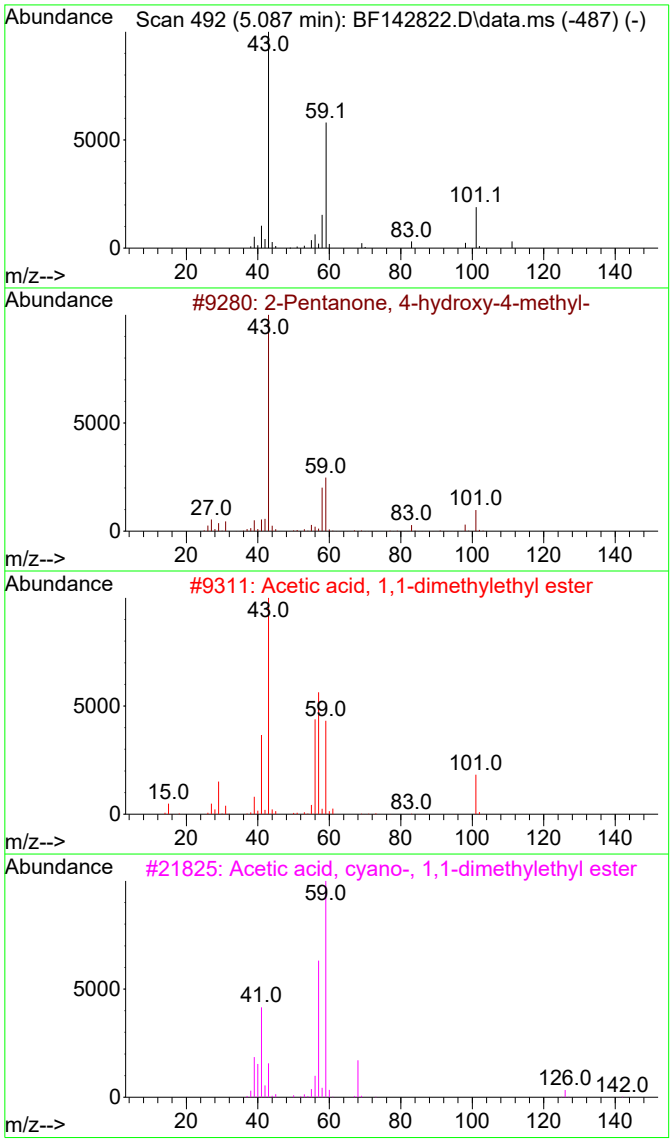
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

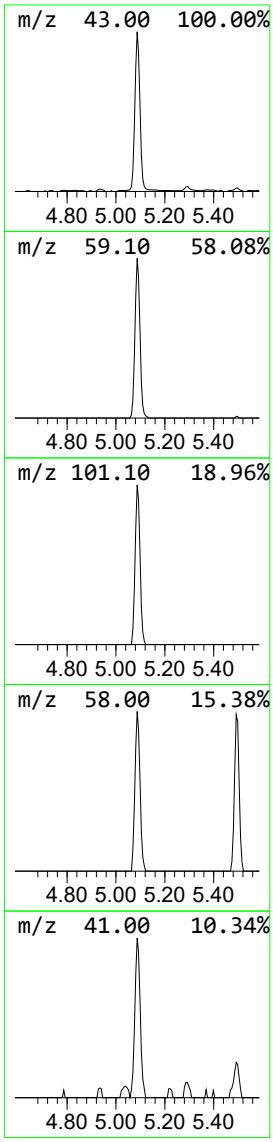
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.31 ng	117152	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	37
4	3-Hexanol	102	C6H14O	000623-37-0	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

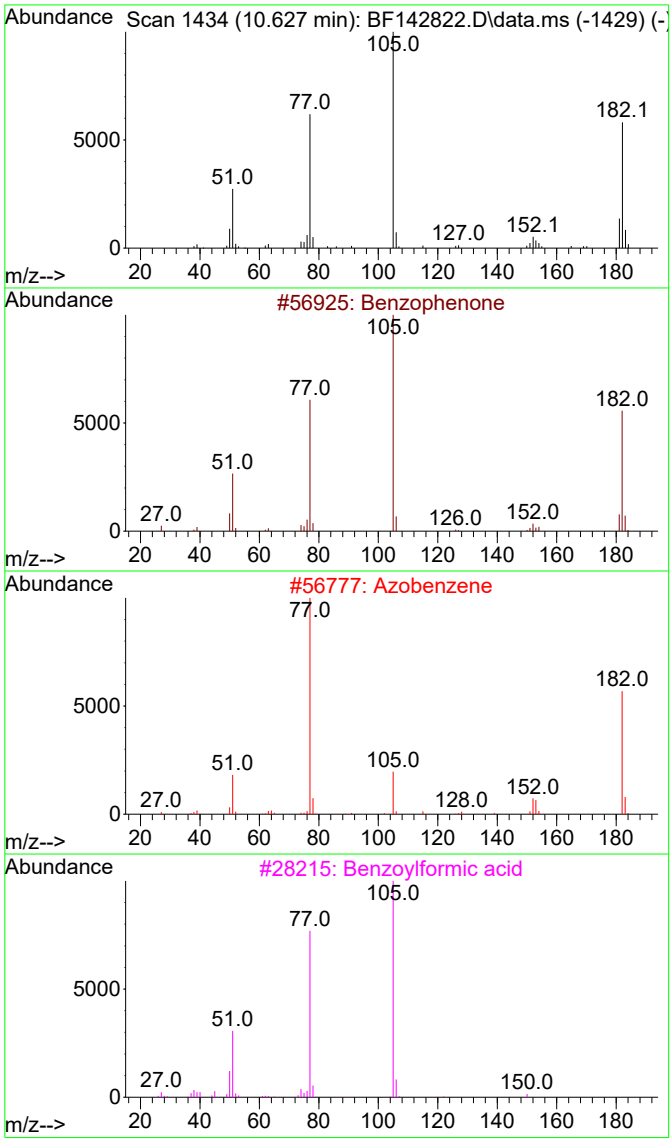
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

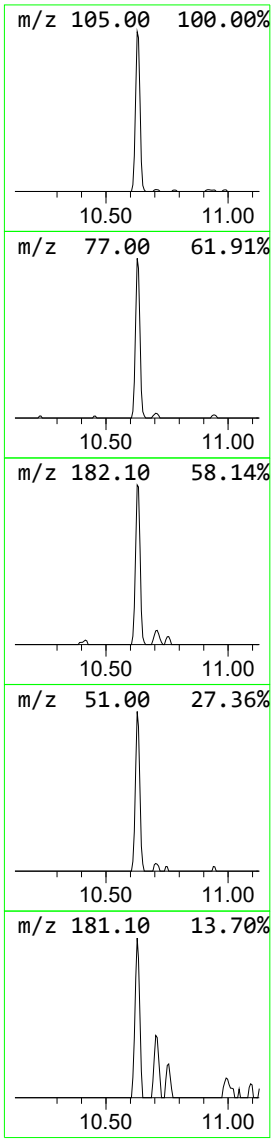
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	4.49 ng	90417	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	59
3	Benzoylformic acid	150	C8H6O3	000611-73-4	55
4	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
5	Vinyl benzoate	148	C9H8O2	000769-78-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

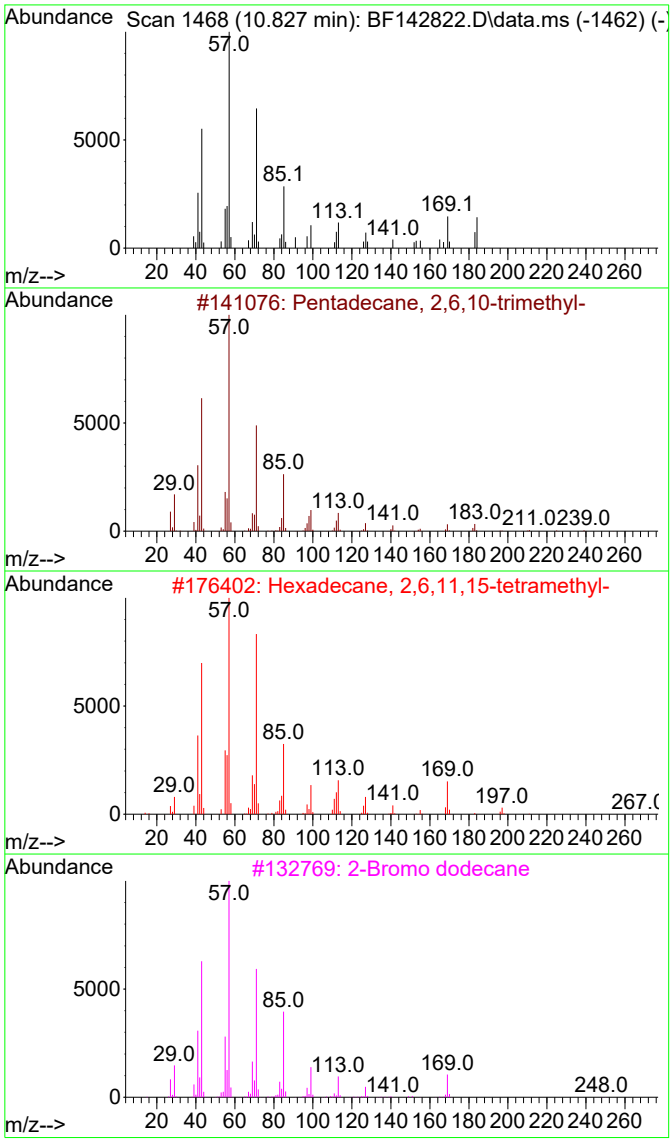
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

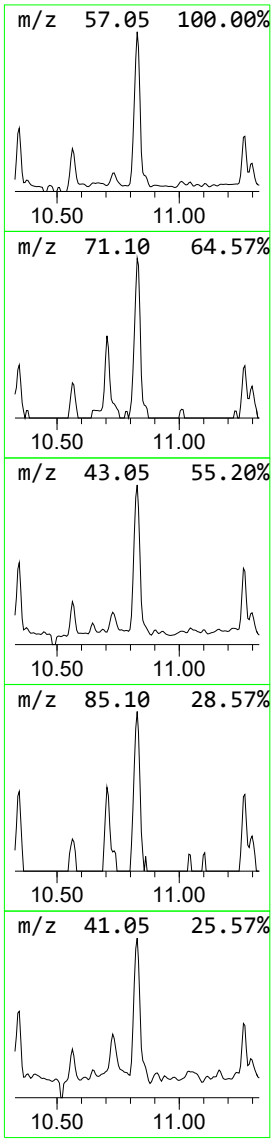
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentadecane, 2,6,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.828	2.44 ng	45530	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

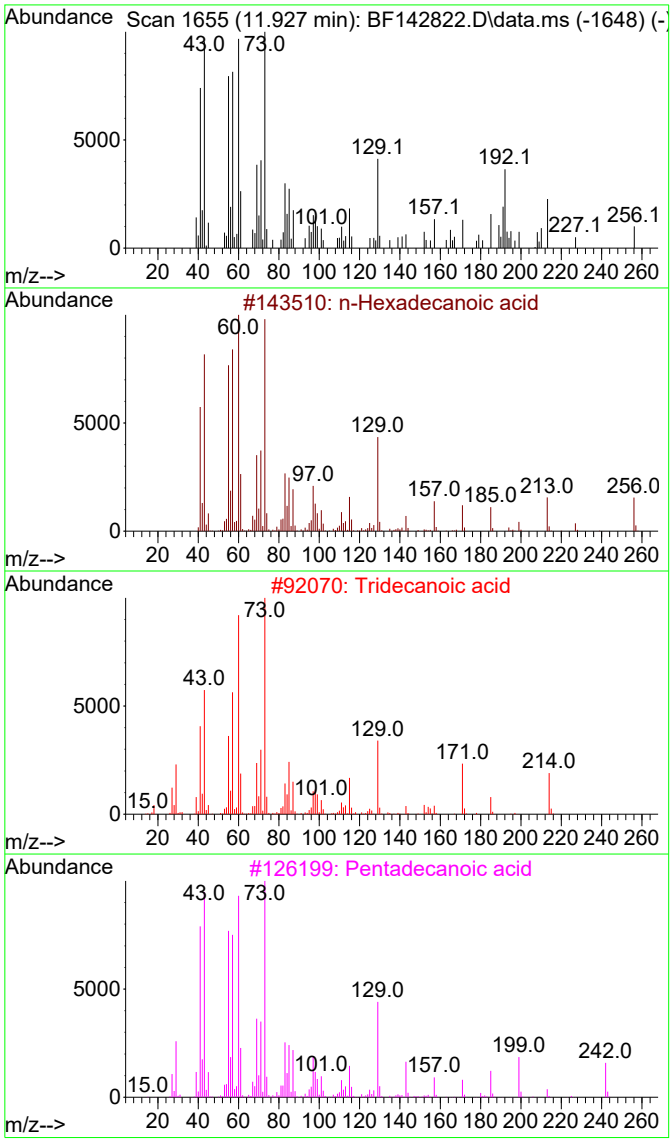
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

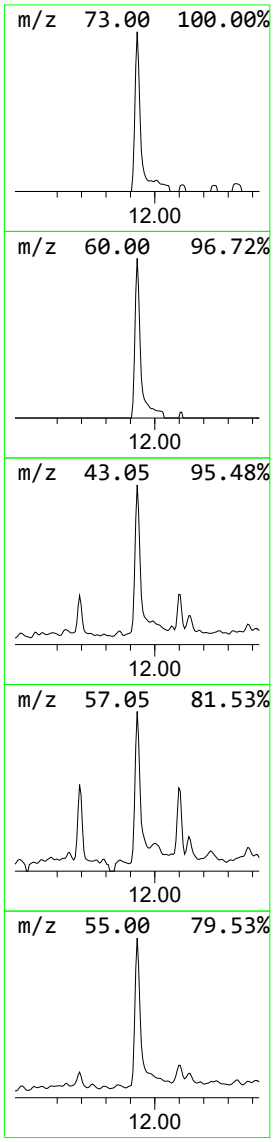
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	5.69 ng	106061	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	68
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	N-(3,4-Difluorophenyl)-2,2-dimet...	213	C11H13F2NO	1000486-60-2	15





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

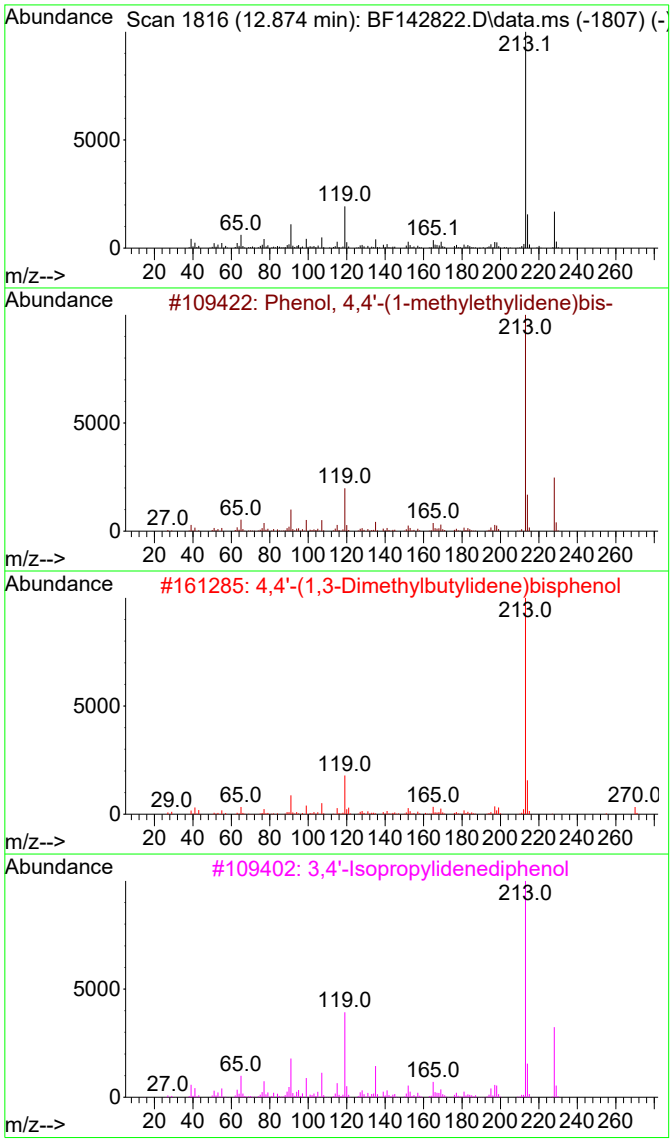
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

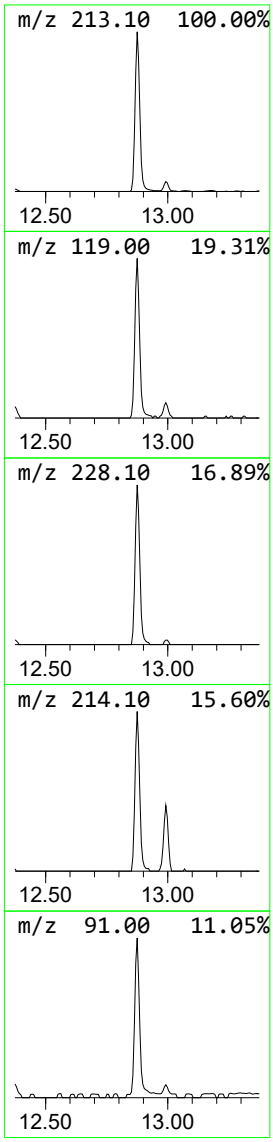
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.874	11.93 ng	308962	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	98
2	4,4'-(1,3-Dimethylbutylidene)bis...	270	C18H22O2	006807-17-6	83
3	3,4'-Isopropylidenediphenol	228	C15H16O2	046765-25-7	78
4	Diphenolic acid	286	C17H18O4	000126-00-1	56
5	3-Cyano-4-ethyl-6-methylcoumarin	213	C13H11NO2	025937-11-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

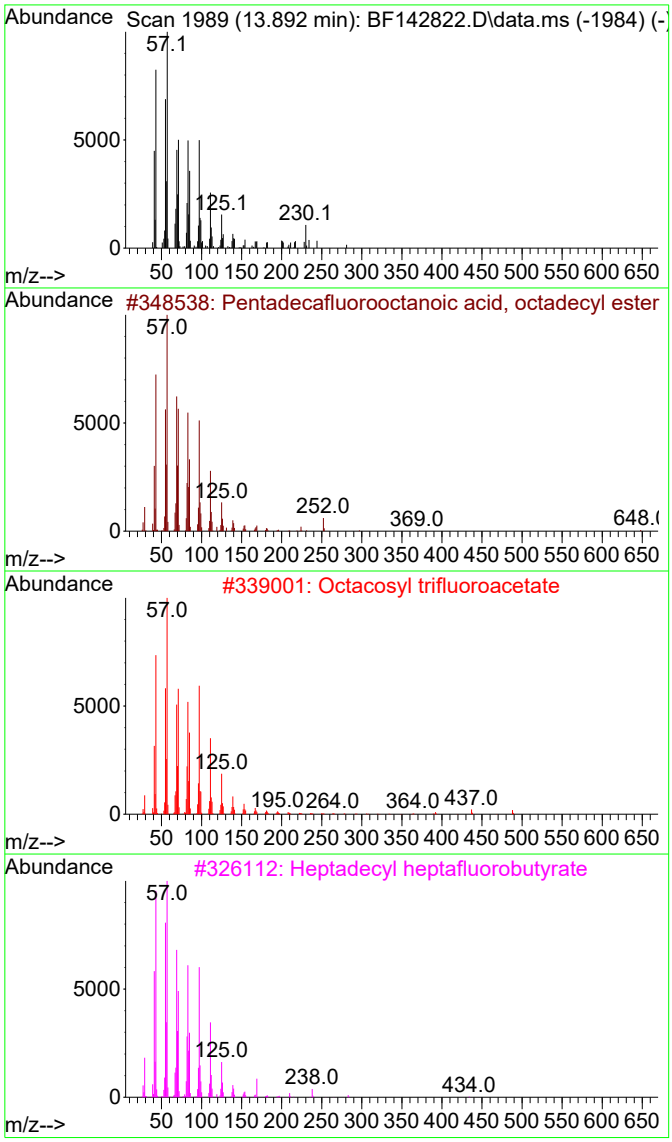
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

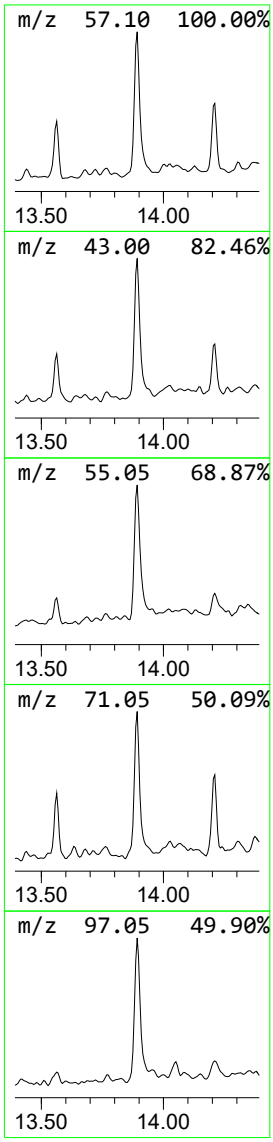
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.32 ng	85916	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	93
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
4	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	90
5	Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	90





Sample Results: **BF142822.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142822.D
Acq On : 24 Jun 2025 16:30
Operator : RC/JU
Sample : Q2392-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.087	6.3	ng	117152	1	6.881	371460	20.0
Benzophenone	10.628	4.5	ng	90417	3	9.916	402361	20.0
Pentadecane, 2,...	10.828	2.4	ng	45530	4	11.404	372637	20.0
n-Hexadecanoic ...	11.927	5.7	ng	106061	4	11.404	372637	20.0
Phenol, 4,4'-(1...	12.874	11.9	ng	308962	5	14.051	518011	20.0
Pentadecafluoro...	13.892	3.3	ng	85916	5	14.051	518011	20.0

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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.230	1.230	1.149	1.263	1.201	4.3
Benzaldehyde			0.988	0.943	0.757	0.832	0.841	15.0
Phenol-d6		1.512	1.481	1.423	1.340	1.480	1.417	5.5
Phenol		1.648	1.653	1.591	1.516	1.651	1.575	5.3
bis(2-Chloroethyl)ether		1.167	1.133	1.134	1.072	1.183	1.126	3.7
2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.296	4.1
2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.982	4.1
2,2-oxybis(1-Chloropropane)		1.975	1.869	1.815	1.723	1.879	1.809	6.1
Acetophenone		0.464	0.451	0.459	0.418	0.461	0.441	5.3
3+4-Methylphenols			1.292	1.262	1.176	1.312	1.224	6.4
n-Nitroso-di-n-propylamine	0.831	0.879	0.840	0.833	0.787	0.847	0.824	4.3
Nitrobenzene-d5		0.369	0.362	0.373	0.354	0.386	0.365	3.5
Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.511	3.9
Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.330	3.9
Isophorone		0.611	0.582	0.592	0.555	0.616	0.585	4.2
2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.180	4.8
2,4-Dimethylphenol		0.322	0.310	0.318	0.300	0.329	0.311	4.0
bis(2-Chloroethoxy)methane		0.386	0.373	0.383	0.355	0.390	0.372	4.1
2,4-Dichlorophenol		0.291	0.280	0.290	0.273	0.298	0.282	3.8
Naphthalene		1.051	1.002	1.004	0.934	1.017	0.979	5.5
4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.398	5.3
Hexachlorobutadiene		0.195	0.188	0.198	0.184	0.200	0.190	4.3
Caprolactam			0.073	0.075	0.072	0.081	0.075	5.8
4-Chloro-3-methylphenol		0.300	0.275	0.286	0.269	0.298	0.281	5.2
2-Methylnaphthalene		0.655	0.621	0.629	0.579	0.631	0.607	6.1
Hexachlorocyclopentadiene			0.235	0.308	0.336	0.365	0.335	17.0
2,4,6-Trichlorophenol		0.385	0.380	0.394	0.365	0.408	0.385	3.7
2-Fluorobiphenyl		1.740	1.636	1.592	1.430	1.500	1.522	9.2
2,4,5-Trichlorophenol		0.407	0.403	0.421	0.391	0.416	0.405	3.0
1,1-Biphenyl		1.701	1.616	1.637	1.505	1.609	1.580	5.3
2-Chloronaphthalene		1.300	1.202	1.208	1.129	1.209	1.186	5.5
2-Nitroaniline		0.321	0.329	0.337	0.324	0.358	0.332	3.9
Dimethylphthalate		1.372	1.334	1.330	1.228	1.335	1.295	5.2
Acenaphthylene		2.110	2.006	2.011	1.861	1.995	1.952	5.6

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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.297	0.279	0.290	0.277	0.294	0.284	3.6
3-Nitroaniline		0.311	0.311	0.316	0.302	0.338	0.313	4.5
Acenaphthene		1.247	1.199	1.241	1.142	1.228	1.191	4.4
2,4-Dinitrophenol			0.095	0.129	0.142	0.173	0.142	19.6
4-Nitrophenol			0.189	0.218	0.208	0.238	0.214	8.3
Dibenzofuran		1.844	1.772	1.763	1.626	1.752	1.708	6.1
2,4-Dinitrotoluene		0.373	0.378	0.397	0.367	0.407	0.378	5.9
Diethylphthalate		1.328	1.302	1.319	1.211	1.318	1.269	5.5
4-Chlorophenyl-phenylether		0.713	0.656	0.669	0.599	0.640	0.636	7.6
Fluorene		1.464	1.412	1.395	1.260	1.362	1.334	7.6
4-Nitroaniline		0.279	0.276	0.297	0.272	0.316	0.286	6.5
4,6-Dinitro-2-methylphenol			0.099	0.119	0.119	0.134	0.121	10.0
n-Nitrosodiphenylamine		0.736	0.686	0.710	0.670	0.717	0.693	4.1
2,4,6-Tribromophenol		0.208	0.207	0.214	0.200	0.219	0.206	5.0
4-Bromophenyl-phenylether		0.231	0.221	0.235	0.218	0.236	0.228	3.0
Hexachlorobenzene		0.263	0.248	0.257	0.241	0.262	0.253	3.3
Atrazine		0.176	0.172	0.180	0.174	0.195	0.179	4.5
Pentachlorophenol			0.102	0.119	0.125	0.142	0.126	11.3
Phenanthrene		1.183	1.113	1.115	1.031	1.122	1.083	6.2
Anthracene		1.226	1.123	1.149	1.064	1.140	1.111	6.3
Carbazole		1.040	0.986	0.999	0.900	1.002	0.959	6.7
Di-n-butylphthalate		0.997	1.006	1.045	0.946	1.073	0.999	4.9
Fluoranthene		1.136	1.088	1.090	0.954	1.059	1.028	8.4
Pyrene		2.110	1.940	1.968	1.742	2.030	1.875	11.4
Terphenyl-d14		1.691	1.556	1.533	1.327	1.535	1.447	13.3
Butylbenzylphthalate		0.478	0.470	0.538	0.547	0.613	0.544	10.0
3,3-Dichlorobenzidine			0.398	0.440	0.429	0.476	0.438	5.7
Benzo(a)anthracene		1.392	1.358	1.366	1.265	1.403	1.349	4.0
Chrysene		1.243	1.191	1.208	1.164	1.295	1.204	4.2
Bis(2-ethylhexyl)phthalate		0.650	0.675	0.767	0.803	0.861	0.782	11.5
Di-n-octyl phthalate			1.207	1.352	1.463	1.610	1.475	11.5
Benzo(b)fluoranthene		1.164	1.220	1.226	1.072	1.152	1.157	5.6
Benzo(k)fluoranthene		1.206	1.004	1.035	1.037	1.193	1.083	7.5
Benzo(a)pyrene		1.142	1.065	1.124	1.069	1.201	1.118	4.4
Indeno(1,2,3-cd)pyrene		1.528	1.488	1.545	1.474	1.648	1.523	4.4

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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date(s): 06/19/2025 06/19/2025

Calibration Time(s): 17:07 20:40

LAB FILE ID: RRF2.5 = BF142788.D RRF005 = BF142789.D RRF010 = BF142790.D
RRF020 = BF142791.D RRF040 = BF142792.D RRF050 = BF142793.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.249	1.214	1.293	1.180	1.337	1.238	5.1
Benzo(g,h,i)perylene		1.239	1.198	1.266	1.188	1.332	1.234	4.7
1,2,4,5-Tetrachlorobenzene		0.626	0.609	0.602	0.557	0.598	0.590	4.3
1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.480	3.6
2,3,4,6-Tetrachlorophenol		0.327	0.327	0.339	0.312	0.345	0.326	4.4

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	77977	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	295295	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	153580	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	258429	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149767	20.000	ng	0.00
86) Perylene-d12	15.545	264	154736	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...	7.281	70	8100	2.392	ng	97

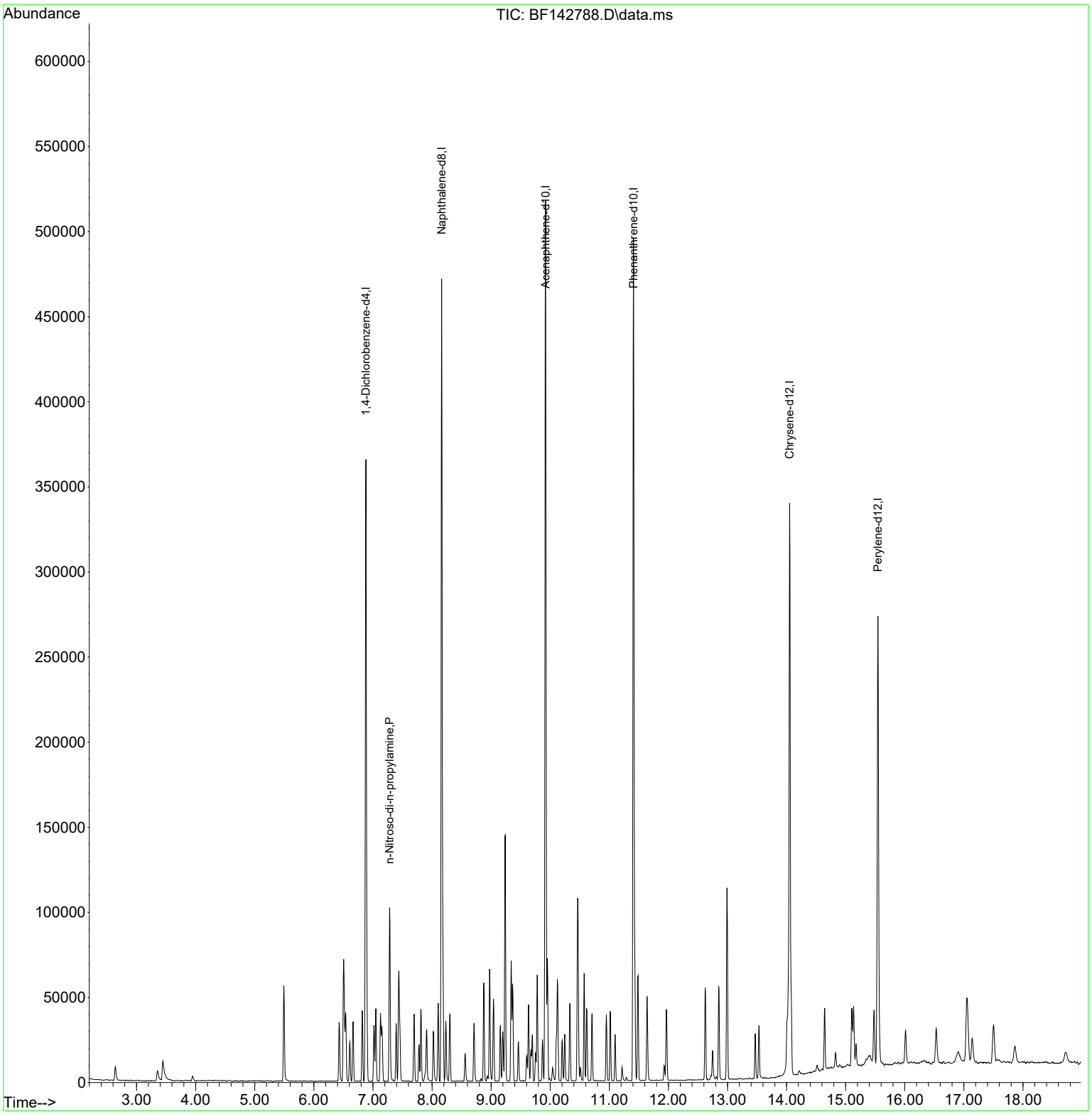
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142788.D
Acq On : 19 Jun 2025 17:07
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 20 04:37:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	80144	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	305306	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162729	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277233	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151689	20.000	ng	0.00
86) Perylene-d12	15.545	264	132284	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	49599	10.555	ng	0.00
7) Phenol-d6	6.498	99	60590	10.981	ng	-0.01
23) Nitrobenzene-d5	7.439	82	56291	10.106	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	16892	9.551	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	141565	11.573	ng	0.00
79) Terphenyl-d14	12.992	244	128289	11.771	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	9589	5.139	ng	95
3) Pyridine	3.434	79	23835	5.102	ng	98
6) Aniline	6.540	93	39088	5.286	ng	97
8) 2-Chlorophenol	6.663	128	27282	5.332	ng	96
10) Phenol	6.516	94	33027	5.369	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	23378	5.122	ng	99
12) 1,3-Dichlorobenzene	6.822	146	30770	5.281	ng	99
13) 1,4-Dichlorobenzene	6.898	146	31311	5.302	ng	99
14) 1,2-Dichlorobenzene	7.051	146	29215	5.175	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	39577	5.503	ng	99
17) 2-Methylphenol	7.128	107	20336	5.199	ng	99
18) Hexachloroethane	7.392	117	10670	5.054	ng	98
19) n-Nitroso-di-n-propyla...	7.281	70	17612	5.061	ng	98
22) Acetophenone	7.281	105	35396	5.240	ng	95
24) Nitrobenzene	7.457	77	26353	5.324	ng	98
25) Isophorone	7.698	82	46673	4.997	ng	99
26) 2-Nitrophenol	7.781	139	12914	4.682	ng	99
27) 2,4-Dimethylphenol	7.810	122	24614	5.242	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	29467	5.068	ng	99
29) 2,4-Dichlorophenol	8.022	162	22222	5.134	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	24724	5.171	ng	98
31) Naphthalene	8.187	128	80247	5.344	ng	99
33) 4-Chloroaniline	8.234	127	31626	5.256	ng	98
34) Hexachlorobutadiene	8.304	225	14900	4.918	ng	97
36) 4-Chloro-3-methylphenol	8.710	107	22861	5.113	ng	98
37) 2-Methylnaphthalene	8.875	142	50024	5.281	ng	99
38) 1-Methylnaphthalene	8.975	142	52193	5.307	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	25456	5.419	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	15667	5.154	ng	100
44) 2,4,5-Trichlorophenol	9.192	196	16563	5.045	ng	97
46) 1,1'-Biphenyl	9.339	154	69218	5.478	ng	99
47) 2-Chloronaphthalene	9.363	162	52868	5.670	ng	98
48) 2-Nitroaniline	9.457	65	13076	4.937	ng	96
49) Acenaphthylene	9.781	152	85856	5.477	ng	99
50) Dimethylphthalate	9.633	163	55804	5.170	ng	99
51) 2,6-Dinitrotoluene	9.698	165	12080	5.163	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

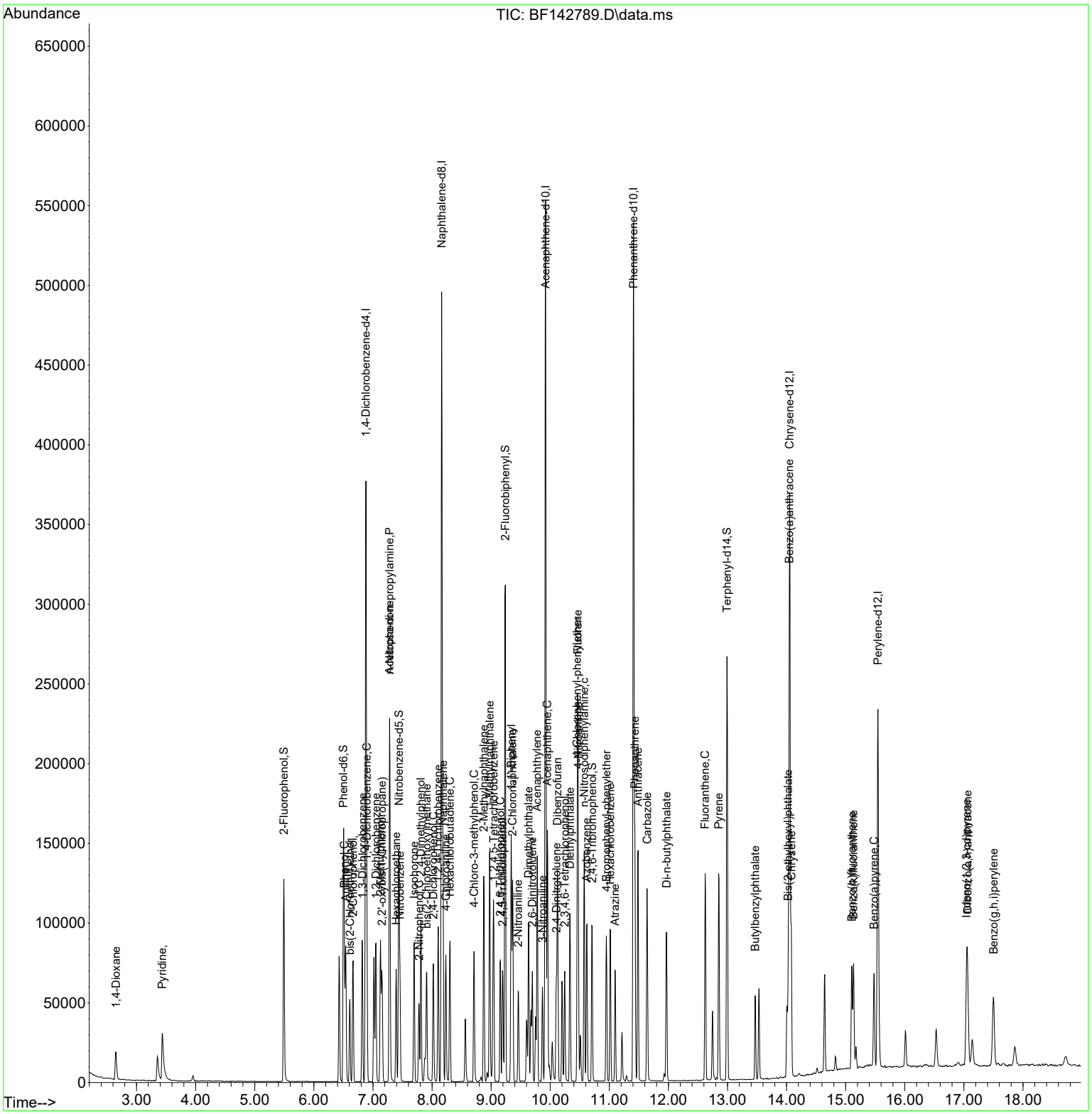
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	50726	5.230	ng		97
53) 3-Nitroaniline	9.869	138	12667	4.984	ng		99
55) Dibenzofuran	10.122	168	74998	5.420	ng		99
57) 2,4-Dinitrotoluene	10.104	165	15173	4.904	ng		96
58) Fluorene	10.469	166	59558	5.453	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	13285	4.827	ng	#	97
60) Diethylphthalate	10.333	149	54038	5.040	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	29011	5.469	ng		98
62) 4-Nitroaniline	10.475	138	11342	4.971	ng		97
63) Azobenzene	10.616	77	49436	5.276	ng		99
66) n-Nitrosodiphenylamine	10.575	169	51021	5.356	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	15996	4.927	ng		99
68) Hexachlorobenzene	11.016	284	18237	5.059	ng		97
69) Atrazine	11.098	200	12221	4.832	ng		98
71) Phenanthrene	11.433	178	81962	5.522	ng		99
72) Anthracene	11.486	178	84944	5.529	ng		99
73) Carbazole	11.639	167	72067	5.601	ng		100
74) Di-n-butylphthalate	11.969	149	69083	4.850	ng		99
75) Fluoranthene	12.622	202	78721	5.582	ng		99
78) Pyrene	12.851	202	80026	5.739	ng		100
80) Butylbenzylphthalate	13.469	149	18113	4.383	ng		96
81) Benzo(a)anthracene	14.045	228	52785	5.300	ng		100
83) Chrysene	14.080	228	47142	5.084	ng		98
84) Bis(2-ethylhexyl)phtha...	14.027	149	24641	4.002	ng		97
87) Indeno(1,2,3-cd)pyrene	17.045	276	50546	5.168	ng		99
88) Benzo(b)fluoranthene	15.104	252	38493	4.996	ng		99
89) Benzo(k)fluoranthene	15.133	252	39874	5.302	ng		97
90) Benzo(a)pyrene	15.480	252	37779	5.124	ng		99
91) Dibenzo(a,h)anthracene	17.062	278	41301	5.194	ng		100
92) Benzo(g,h,i)perylene	17.504	276	40975	5.165	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142789.D
Acq On : 19 Jun 2025 17:38
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jun 20 04:37:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	76918	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	299903	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	158336	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	273084	20.000	ng	0.00
76) Chrysene-d12	14.057	240	152374	20.000	ng	0.00
86) Perylene-d12	15.545	264	140417	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	94601	20.977	ng	0.00
7) Phenol-d6	6.504	99	113910	21.510	ng	0.00
23) Nitrobenzene-d5	7.440	82	108508	19.832	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	32767	19.042	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	259052	21.765	ng	0.00
79) Terphenyl-d14	12.992	244	237037	21.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	19183	10.712	ng	98
3) Pyridine	3.416	79	45966	10.252	ng	98
4) n-Nitrosodimethylamine	3.346	42	23459	10.216	ng	99
6) Aniline	6.540	93	74779	10.537	ng	100
8) 2-Chlorophenol	6.663	128	50128	10.208	ng	99
9) Benzaldehyde	6.428	77	37993	11.768	ng	98
10) Phenol	6.516	94	63585	10.769	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	43585	9.950	ng	99
12) 1,3-Dichlorobenzene	6.822	146	57659	10.312	ng	97
13) 1,4-Dichlorobenzene	6.898	146	57522	10.149	ng	99
14) 1,2-Dichlorobenzene	7.051	146	54672	10.091	ng	99
15) Benzyl Alcohol	7.016	79	39348	9.927	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	71897	10.417	ng	99
17) 2-Methylphenol	7.128	107	38357	10.217	ng	98
18) Hexachloroethane	7.393	117	20035	9.889	ng	97
19) n-Nitroso-di-n-propyla...	7.281	70	32293	9.670	ng	98
20) 3+4-Methylphenols	7.281	107	49675	10.513	ng	91
22) Acetophenone	7.287	105	67666	10.197	ng	98
24) Nitrobenzene	7.457	77	48789	10.034	ng	99
25) Isophorone	7.698	82	87205	9.504	ng	99
26) 2-Nitrophenol	7.781	139	25734	9.498	ng	99
27) 2,4-Dimethylphenol	7.810	122	46454	10.071	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	55907	9.788	ng	100
29) 2,4-Dichlorophenol	8.022	162	41925	9.861	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	47419	10.097	ng	99
31) Naphthalene	8.187	128	150265	10.188	ng	100
32) Benzoic acid	7.887	122	17708	6.919	ng	90
33) 4-Chloroaniline	8.234	127	61190	10.352	ng	98
34) Hexachlorobutadiene	8.304	225	28192	9.473	ng	100
35) Caprolactam	8.569	113	10933	9.557	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	41204	9.382	ng	98
37) 2-Methylnaphthalene	8.875	142	93078	10.003	ng	98
38) 1-Methylnaphthalene	8.975	142	96673	10.007	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	48175	10.540	ng	98
41) Hexachlorocyclopentadiene	9.028	237	18602	6.436	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	30118	10.182	ng	96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

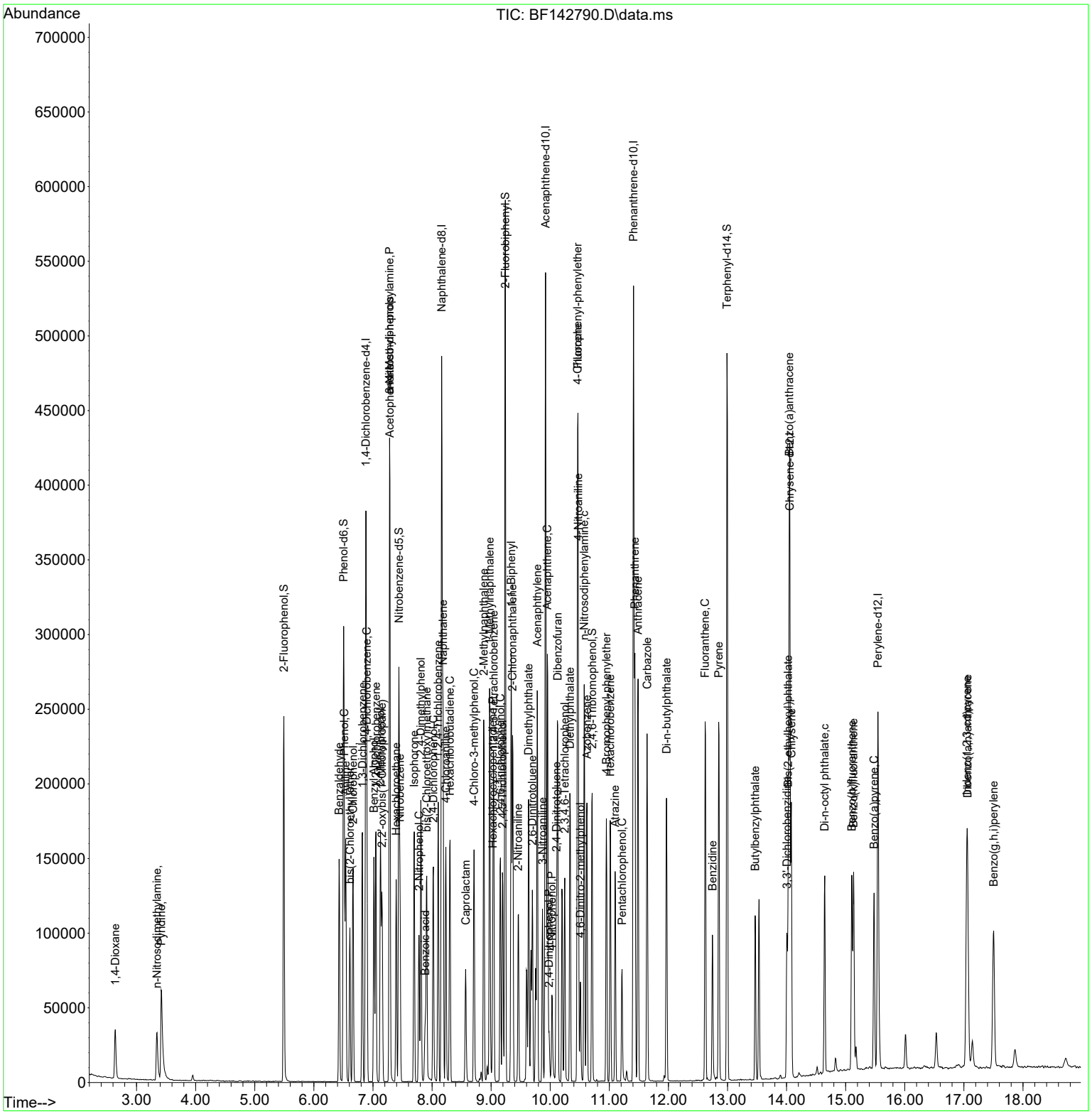
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) Dimethylphthalate	9.634	163	105636	10.058	ng	99
51) 2,6-Dinitrotoluene	9.698	165	22116	9.714	ng	97
52) Acenaphthene	9.951	154	94961	10.062	ng	98
53) 3-Nitroaniline	9.869	138	24651	9.968	ng	98
54) 2,4-Dinitrophenol	9.981	184	7521	6.104	ng	97
55) Dibenzofuran	10.128	168	140256	10.416	ng	97
56) 4-Nitrophenol	10.028	139	14986	8.927	ng	94
57) 2,4-Dinitrotoluene	10.104	165	29934	9.943	ng	99
58) Fluorene	10.469	166	111772	10.518	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	25885	9.666	ng	96
60) Diethylphthalate	10.334	149	103048	9.877	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	51958	10.067	ng	96
62) 4-Nitroaniline	10.475	138	21876	9.854	ng	98
63) Azobenzene	10.622	77	90965	9.977	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	13545	7.982	ng	91
66) n-Nitrosodiphenylamine	10.575	169	93632	9.978	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	30145	9.425	ng	97
68) Hexachlorobenzene	11.016	284	33838	9.530	ng	98
69) Atrazine	11.098	200	23423	9.401	ng	98
70) Pentachlorophenol	11.216	266	13894	7.534	ng	96
71) Phenanthrene	11.433	178	151997	10.396	ng	100
72) Anthracene	11.486	178	153376	10.135	ng	99
73) Carbazole	11.639	167	134656	10.625	ng	99
74) Di-n-butylphthalate	11.969	149	137293	9.784	ng	99
75) Fluoranthene	12.622	202	148540	10.693	ng	98
77) Benzidine	12.745	184	56769	10.524	ng	98
78) Pyrene	12.851	202	147819	10.553	ng	100
80) Butylbenzylphthalate	13.469	149	35843	8.635	ng	100
81) Benzo(a)anthracene	14.045	228	103495	10.345	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	30349	9.368	ng	99
83) Chrysene	14.080	228	90725	9.741	ng	98
84) Bis(2-ethylhexyl)phtha...	14.027	149	51432	8.316	ng	99
85) Di-n-octyl phthalate	14.645	149	91989	7.805	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	104445	10.061	ng	100
88) Benzo(b)fluoranthene	15.104	252	85689	10.478	ng	99
89) Benzo(k)fluoranthene	15.133	252	70470	8.828	ng	99
90) Benzo(a)pyrene	15.480	252	74803	9.558	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	85238	10.099	ng	99
92) Benzo(g,h,i)perylene	17.504	276	84115	9.989	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142790.D
Acq On : 19 Jun 2025 18:08
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jun 20 04:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83780	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	312367	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	164603	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	277149	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151398	20.000	ng	0.00
86) Perylene-d12	15.545	264	151331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	206126	41.963	ng	0.00
7) Phenol-d6	6.504	99	238437	41.338	ng	0.00
23) Nitrobenzene-d5	7.440	82	233268	40.933	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	70502	39.411	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	524084	42.356	ng	0.00
79) Terphenyl-d14	12.998	244	464214	42.675	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	39464	20.232	ng	99
3) Pyridine	3.410	79	99721	20.419	ng	99
4) n-Nitrosodimethylamine	3.346	42	51716	20.677	ng	94
6) Aniline	6.540	93	158463	20.499	ng	99
8) 2-Chlorophenol	6.663	128	108230	20.235	ng	99
9) Benzaldehyde	6.428	77	79008	22.467	ng	99
10) Phenol	6.516	94	133318	20.730	ng	99
11) bis(2-Chloroethyl)ether	6.610	93	94972	19.905	ng	99
12) 1,3-Dichlorobenzene	6.822	146	123139	20.218	ng	99
13) 1,4-Dichlorobenzene	6.899	146	123337	19.980	ng	99
14) 1,2-Dichlorobenzene	7.051	146	118033	20.001	ng	100
15) Benzyl Alcohol	7.016	79	85856	19.885	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	152035	20.224	ng	99
17) 2-Methylphenol	7.128	107	82097	20.077	ng	99
18) Hexachloroethane	7.393	117	42435	19.229	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	69761	19.178	ng	99
20) 3+4-Methylphenols	7.281	107	105750	20.547	ng	97
22) Acetophenone	7.287	105	143274	20.730	ng	99
24) Nitrobenzene	7.463	77	103569	20.450	ng	97
25) Isophorone	7.698	82	185071	19.365	ng	100
26) 2-Nitrophenol	7.781	139	56979	20.191	ng	99
27) 2,4-Dimethylphenol	7.816	122	99256	20.659	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	119505	20.087	ng	99
29) 2,4-Dichlorophenol	8.022	162	90497	20.437	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	99320	20.304	ng	99
31) Naphthalene	8.187	128	313467	20.405	ng	100
32) Benzoic acid	7.898	122	45969	17.245	ng	98
33) 4-Chloroaniline	8.234	127	127623	20.729	ng	99
34) Hexachlorobutadiene	8.304	225	61994	20.001	ng	98
35) Caprolactam	8.587	113	23555	19.769	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	89279	19.518	ng	99
37) 2-Methylnaphthalene	8.881	142	196609	20.287	ng	100
38) 1-Methylnaphthalene	8.975	142	202898	20.165	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	99104	20.857	ng	99
41) Hexachlorocyclopentadiene	9.028	237	50669	16.864	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	64786	21.069	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

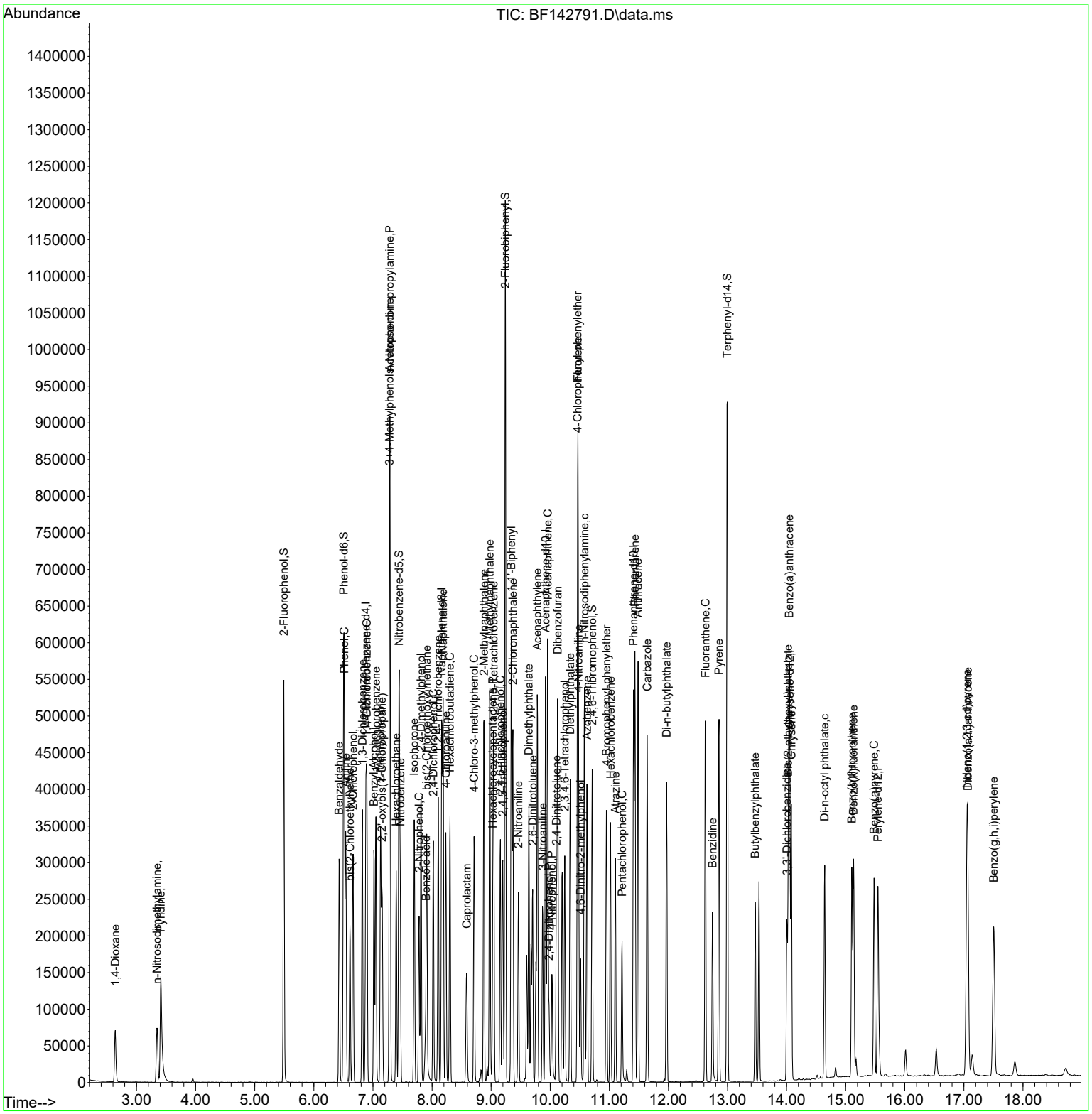
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69275	20.862	ng	98
46) 1,1'-Biphenyl	9.340	154	269396	21.078	ng	100
47) 2-Chloronaphthalene	9.369	162	198874	21.087	ng	99
48) 2-Nitroaniline	9.463	65	55412	20.681	ng	96
49) Acenaphthylene	9.781	152	331018	20.878	ng	99
50) Dimethylphthalate	9.640	163	218901	20.049	ng	100
51) 2,6-Dinitrotoluene	9.704	165	47707	20.156	ng	99
52) Acenaphthene	9.957	154	204192	20.813	ng	99
53) 3-Nitroaniline	9.875	138	52088	20.261	ng	98
54) 2,4-Dinitrophenol	9.981	184	21231	16.576	ng	97
55) Dibenzofuran	10.128	168	290254	20.736	ng	98
56) 4-Nitrophenol	10.028	139	35937	20.593	ng	98
57) 2,4-Dinitrotoluene	10.104	165	65367	20.887	ng	98
58) Fluorene	10.469	166	229569	20.780	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	55799	20.042	ng	96
60) Diethylphthalate	10.339	149	217133	20.020	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	110133	20.526	ng	98
62) 4-Nitroaniline	10.481	138	48947	21.208	ng	96
63) Azobenzene	10.622	77	192057	20.263	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	32946	19.130	ng	99
66) n-Nitrosodiphenylamine	10.581	169	196840	20.670	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	65137	20.068	ng	97
68) Hexachlorobenzene	11.022	284	71354	19.802	ng	98
69) Atrazine	11.104	200	49963	19.760	ng	99
70) Pentachlorophenol	11.216	266	33089	17.680	ng	97
71) Phenanthrene	11.434	178	309015	20.826	ng	100
72) Anthracene	11.486	178	318388	20.730	ng	100
73) Carbazole	11.639	167	276824	21.523	ng	99
74) Di-n-butylphthalate	11.969	149	289686	20.342	ng	100
75) Fluoranthene	12.628	202	302035	21.424	ng	99
77) Benzidine	12.745	184	130162	24.285	ng	99
78) Pyrene	12.857	202	297999	21.413	ng	100
80) Butylbenzylphthalate	13.469	149	81500	19.761	ng	99
81) Benzo(a)anthracene	14.045	228	206831	20.807	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	66675	20.714	ng	97
83) Chrysene	14.080	228	182829	19.756	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	116092	18.892	ng	99
85) Di-n-octyl phthalate	14.645	149	204632	17.475	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	233757	20.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	185574	21.056	ng	99
89) Benzo(k)fluoranthene	15.133	252	156588	18.201	ng	99
90) Benzo(a)pyrene	15.480	252	170053	20.162	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	195608	21.504	ng	98
92) Benzo(g,h,i)perylene	17.504	276	191567	21.109	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142791.D
Acq On : 19 Jun 2025 18:39
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jun 20 04:39:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83734	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313297	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161991	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	263346	20.000	ng	0.00
76) Chrysene-d12	14.057	240	142481	20.000	ng	0.00
86) Perylene-d12	15.545	264	170267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	384996	78.420	ng	0.00
7) Phenol-d6	6.510	99	448961	77.879	ng	0.00
23) Nitrobenzene-d5	7.445	82	443431	77.580	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	129669	73.654	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	926905	76.120	ng	0.00
79) Terphenyl-d14	12.998	244	756495	73.897	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	77194	39.596	ng	100
3) Pyridine	3.410	79	194866	39.924	ng	100
4) n-Nitrosodimethylamine	3.357	42	99851	39.943	ng	100
6) Aniline	6.545	93	304377	39.397	ng	100
8) 2-Chlorophenol	6.663	128	208444	38.992	ng	100
9) Benzaldehyde	6.434	77	126748	36.063	ng	100
10) Phenol	6.522	94	253916	39.504	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	179469	37.634	ng	100
12) 1,3-Dichlorobenzene	6.822	146	230658	37.892	ng	100
13) 1,4-Dichlorobenzene	6.898	146	235951	38.243	ng	100
14) 1,2-Dichlorobenzene	7.051	146	222976	37.805	ng	100
15) Benzyl Alcohol	7.022	79	163491	37.888	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	288515	38.400	ng	100
17) 2-Methylphenol	7.134	107	157159	38.454	ng	100
18) Hexachloroethane	7.392	117	83524	37.870	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	131792	36.251	ng	100
20) 3+4-Methylphenols	7.286	107	196876	38.274	ng	100
22) Acetophenone	7.292	105	262224	37.828	ng	100
24) Nitrobenzene	7.463	77	200051	39.383	ng	100
25) Isophorone	7.704	82	347894	36.294	ng	100
26) 2-Nitrophenol	7.781	139	111792	39.497	ng	100
27) 2,4-Dimethylphenol	7.816	122	187808	38.974	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	222264	37.249	ng	100
29) 2,4-Dichlorophenol	8.022	162	171329	38.576	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	187194	38.155	ng	100
31) Naphthalene	8.186	128	584986	37.966	ng	100
32) Benzoic acid	7.922	122	98210	36.734	ng	100
33) 4-Chloroaniline	8.233	127	237317	38.432	ng	100
34) Hexachlorobutadiene	8.304	225	115333	37.099	ng	100
35) Caprolactam	8.604	113	44914	37.583	ng	100
36) 4-Chloro-3-methylphenol	8.716	107	168353	36.695	ng	100
37) 2-Methylnaphthalene	8.880	142	362692	37.313	ng	100
38) 1-Methylnaphthalene	8.980	142	374836	37.143	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	180481	38.596	ng	100
41) Hexachlorocyclopentadiene	9.033	237	108999	36.863	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	118412	39.129	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

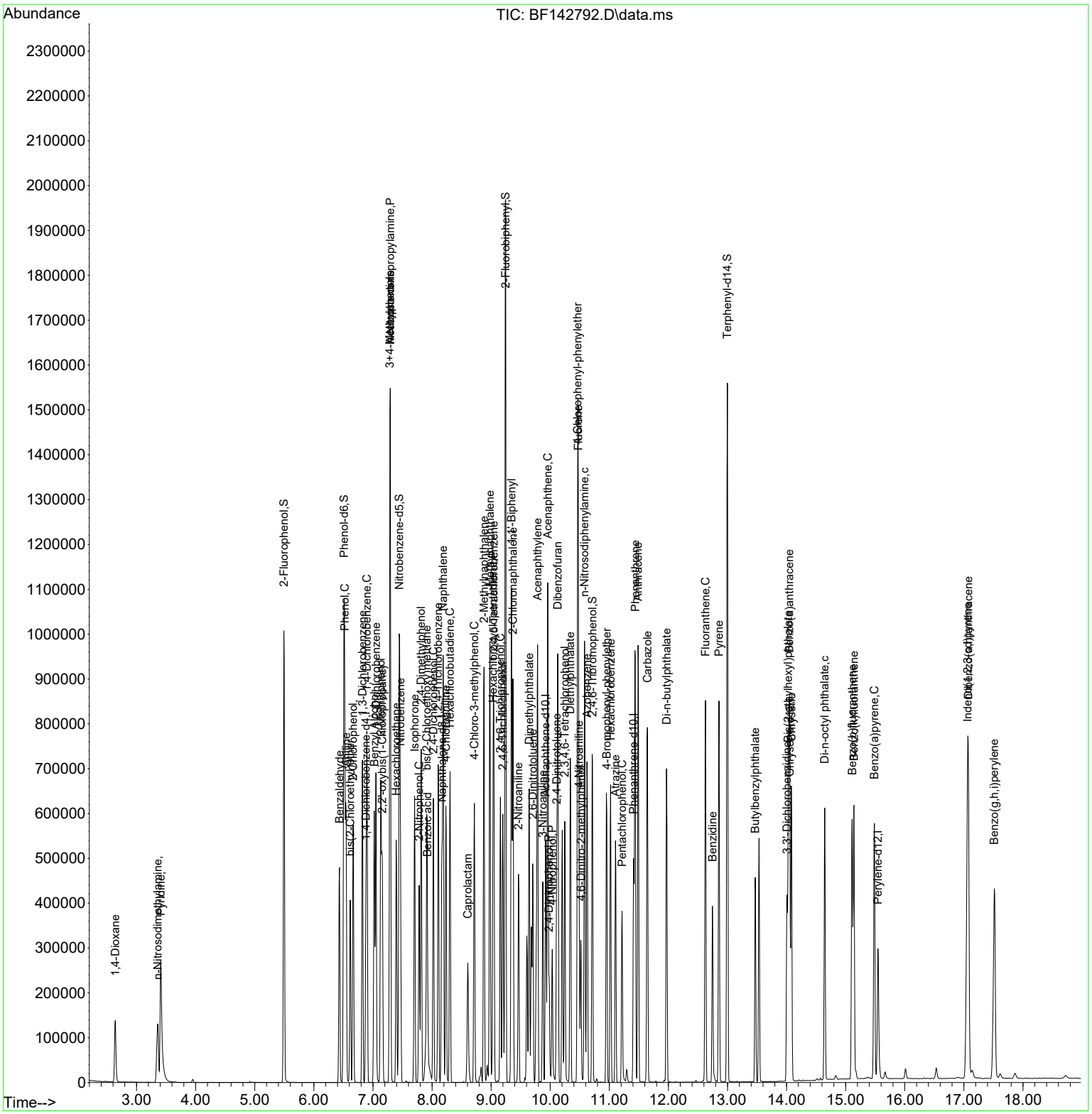
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	126712	38.774	ng	100
46) 1,1'-Biphenyl	9.345	154	487587	38.765	ng	100
47) 2-Chloronaphthalene	9.369	162	365760	39.408	ng	100
48) 2-Nitroaniline	9.463	65	105098	39.858	ng	100
49) Acenaphthylene	9.786	152	603057	38.649	ng	100
50) Dimethylphthalate	9.645	163	397980	37.038	ng	100
51) 2,6-Dinitrotoluene	9.704	165	89811	38.557	ng	100
52) Acenaphthene	9.957	154	369889	38.310	ng	100
53) 3-Nitroaniline	9.875	138	97950	38.714	ng	100
54) 2,4-Dinitrophenol	9.980	184	46000	36.494	ng	100
55) Dibenzofuran	10.127	168	526718	38.235	ng	100
56) 4-Nitrophenol	10.033	139	67375	39.230	ng	100
57) 2,4-Dinitrotoluene	10.110	165	119021	38.644	ng	100
58) Fluorene	10.475	166	408102	37.535	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	100957	36.847	ng	100
60) Diethylphthalate	10.339	149	392278	36.752	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	193928	36.726	ng	100
62) 4-Nitroaniline	10.486	138	88142	38.806	ng	100
63) Azobenzene	10.622	77	350110	37.534	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	62800	38.375	ng	100
66) n-Nitrosodiphenylamine	10.580	169	353033	39.014	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	114874	37.246	ng	100
68) Hexachlorobenzene	11.022	284	126882	37.057	ng	100
69) Atrazine	11.104	200	91444	38.060	ng	100
70) Pentachlorophenol	11.216	266	65999	37.113	ng	100
71) Phenanthrene	11.439	178	542935	38.508	ng	100
72) Anthracene	11.486	178	560180	38.384	ng	100
73) Carbazole	11.645	167	473801	38.769	ng	100
74) Di-n-butylphthalate	11.969	149	498285	36.824	ng	100
75) Fluoranthene	12.627	202	502656	37.522	ng	100
77) Benzidine	12.745	184	220379	43.691	ng	100
78) Pyrene	12.857	202	496538	37.911	ng	100
80) Butylbenzylphthalate	13.468	149	155920	40.172	ng	100
81) Benzo(a)anthracene	14.045	228	360377	38.522	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	122140	40.321	ng	100
83) Chrysene	14.080	228	331830	38.101	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	228949	39.589	ng	100
85) Di-n-octyl phthalate	14.645	149	416971	37.837	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	501803	39.863	ng	100
88) Benzo(b)fluoranthene	15.110	252	365164	36.825	ng	100
89) Benzo(k)fluoranthene	15.139	252	352993	36.466	ng	100
90) Benzo(a)pyrene	15.486	252	363990	38.357	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	401876	39.266	ng	100
92) Benzo(g,h,i)perylene	17.515	276	404711	39.635	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142792.D
Acq On : 19 Jun 2025 19:09
Operator : RC/JU
Sample : SSTDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC040

Quant Time: Jun 20 04:39:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69874	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	262911	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	139156	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	229780	20.000	ng	0.00
76) Chrysene-d12	14.057	240	117825	20.000	ng	0.00
86) Perylene-d12	15.545	264	139593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	441114	107.674	ng	0.00
7) Phenol-d6	6.510	99	516909	107.451	ng	0.00
23) Nitrobenzene-d5	7.451	82	506846	105.669	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	152358	100.743	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1043477	99.755	ng	0.00
79) Terphenyl-d14	12.998	244	904305	106.820	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	88835	54.606	ng	99
3) Pyridine	3.398	79	227576	55.874	ng	99
4) n-Nitrosodimethylamine	3.351	42	116636	55.913	ng	98
6) Aniline	6.545	93	346211	53.700	ng	99
8) 2-Chlorophenol	6.663	128	238691	53.507	ng	99
9) Benzaldehyde	6.434	77	145420	49.583	ng	99
10) Phenol	6.528	94	288461	53.781	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	206661	51.933	ng	100
12) 1,3-Dichlorobenzene	6.822	146	262098	51.598	ng	99
13) 1,4-Dichlorobenzene	6.898	146	266098	51.685	ng	99
14) 1,2-Dichlorobenzene	7.051	146	253411	51.487	ng	99
15) Benzyl Alcohol	7.022	79	193284	53.677	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	328251	52.354	ng	99
17) 2-Methylphenol	7.133	107	182167	53.415	ng	99
18) Hexachloroethane	7.392	117	94097	51.126	ng	99
19) n-Nitroso-di-n-propyla...	7.298	70	147905	48.753	ng	98
20) 3+4-Methylphenols	7.286	107	229169	53.390	ng	94
22) Acetophenone	7.292	105	303087	52.102	ng	98
24) Nitrobenzene	7.469	77	229219	53.773	ng	98
25) Isophorone	7.704	82	404886	50.334	ng	100
26) 2-Nitrophenol	7.781	139	127773	53.795	ng	99
27) 2,4-Dimethylphenol	7.816	122	216204	53.466	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	256119	51.148	ng	100
29) 2,4-Dichlorophenol	8.022	162	195589	52.478	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	213118	51.763	ng	100
31) Naphthalene	8.186	128	668713	51.717	ng	100
32) Benzoic acid	7.933	122	119196	53.128	ng	97
33) 4-Chloroaniline	8.239	127	276441	53.347	ng	99
34) Hexachlorobutadiene	8.304	225	131697	50.481	ng	99
35) Caprolactam	8.610	113	53024	52.873	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	195744	50.843	ng	99
37) 2-Methylnaphthalene	8.880	142	414854	50.859	ng	99
38) 1-Methylnaphthalene	8.980	142	430144	50.792	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	207997	51.779	ng	100
41) Hexachlorocyclopentadiene	9.033	237	127033	50.012	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	141932	54.597	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

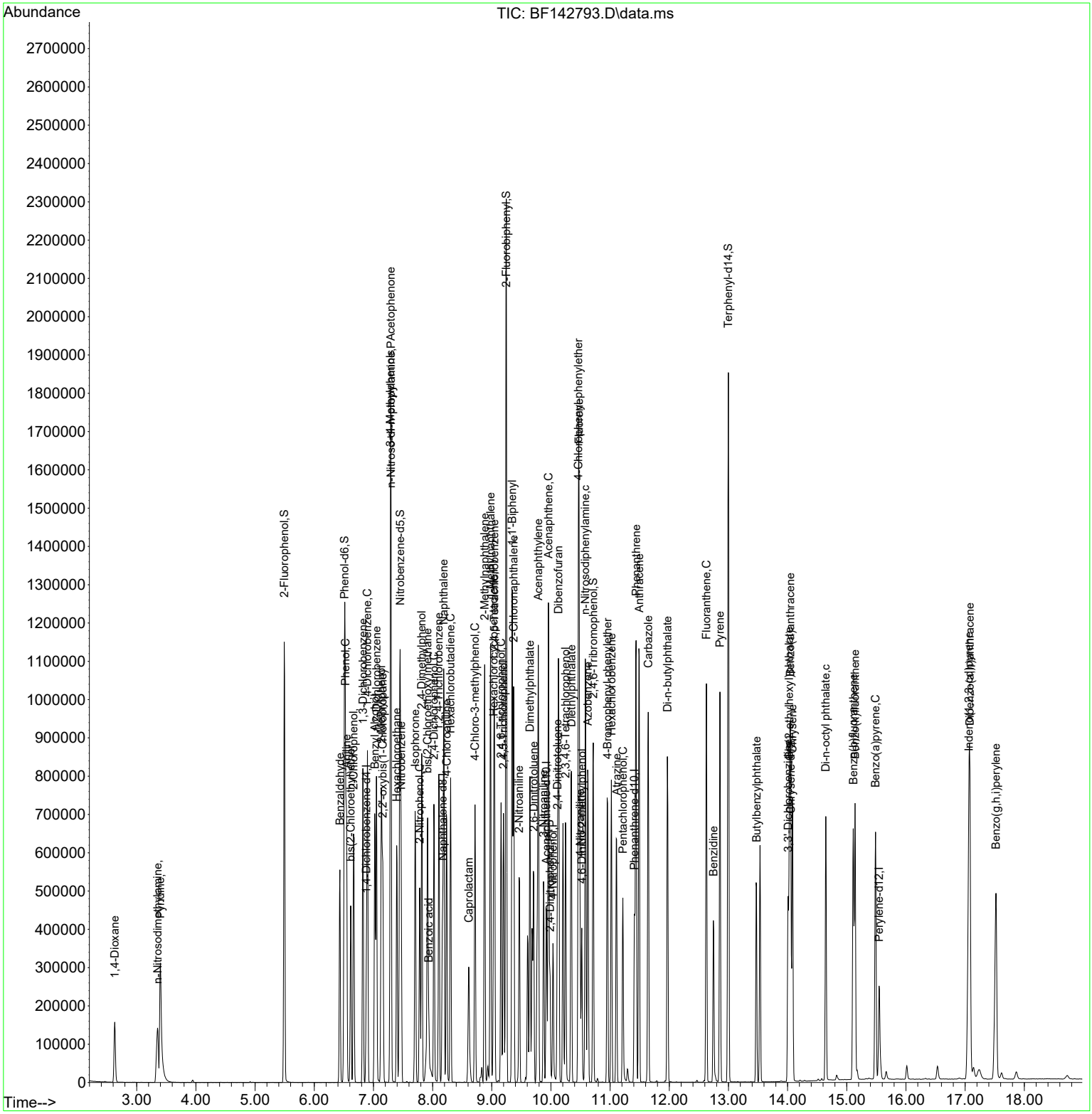
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	100
50) Dimethylphthalate	9.645	163	464372	50.308	ng	100
51) 2,6-Dinitrotoluene	9.710	165	102361	51.156	ng	98
52) Acenaphthene	9.957	154	427135	51.498	ng	100
53) 3-Nitroaniline	9.874	138	117448	54.038	ng	98
54) 2,4-Dinitrophenol	9.986	184	60308	55.696	ng	92
55) Dibenzofuran	10.127	168	609507	51.506	ng	100
56) 4-Nitrophenol	10.033	139	82688	56.047	ng	98
57) 2,4-Dinitrotoluene	10.110	165	141691	53.554	ng	98
58) Fluorene	10.474	166	473968	50.747	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120008	50.988	ng	97
60) Diethylphthalate	10.345	149	458546	50.010	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	222613	49.076	ng	98
62) 4-Nitroaniline	10.492	138	109973	56.363	ng	97
63) Azobenzene	10.622	77	409164	51.063	ng	100
65) 4,6-Dinitro-2-methylph...	10.522	198	76696	53.713	ng	97
66) n-Nitrosodiphenylamine	10.580	169	411917	52.171	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	135699	50.425	ng	98
68) Hexachlorobenzene	11.021	284	150669	50.432	ng	99
69) Atrazine	11.110	200	111915	53.385	ng	99
70) Pentachlorophenol	11.216	266	81577	52.574	ng	98
71) Phenanthrene	11.439	178	644668	52.403	ng	99
72) Anthracene	11.492	178	654942	51.433	ng	99
73) Carbazole	11.645	167	575784	53.996	ng	100
74) Di-n-butylphthalate	11.968	149	616452	52.211	ng	100
75) Fluoranthene	12.627	202	608190	52.032	ng	100
77) Benzidine	12.745	184	242794	58.208	ng	100
78) Pyrene	12.857	202	597913	55.205	ng	99
80) Butylbenzylphthalate	13.474	149	180565	56.257	ng	97
81) Benzo(a)anthracene	14.045	228	413349	53.431	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	140152	55.949	ng	99
83) Chrysene	14.080	228	381352	52.950	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	253542	53.016	ng	100
85) Di-n-octyl phthalate	14.645	149	474143	52.029	ng	100
87) Indeno(1,2,3-cd)pyrene	17.062	276	575271	55.741	ng	100
88) Benzo(b)fluoranthene	15.109	252	401915	49.437	ng	100
89) Benzo(k)fluoranthene	15.139	252	416169	52.440	ng	100
90) Benzo(a)pyrene	15.486	252	419030	53.860	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	466485	55.594	ng	99
92) Benzo(g,h,i)perylene	17.521	276	464951	55.540	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142793.D
Acq On : 19 Jun 2025 19:40
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jun 20 04:40:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	83273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	313390	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	161044	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264336	20.000	ng	0.00
76) Chrysene-d12	14.057	240	133196	20.000	ng	0.00
86) Perylene-d12	15.551	264	166457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	585158	119.852	ng	0.00
7) Phenol-d6	6.516	99	689436	120.255	ng	0.00
23) Nitrobenzene-d5	7.451	82	680402	119.003	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	198721	113.541	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1360586	112.392	ng	0.00
79) Terphenyl-d14	12.998	244	1107704	115.747	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.640	88	119634	61.705	ng	99
3) Pyridine	3.410	79	302137	62.244	ng	99
4) n-Nitrosodimethylamine	3.375	42	157914	63.520	ng	99
6) Aniline	6.545	93	466855	60.761	ng	93
8) 2-Chlorophenol	6.669	128	317743	59.767	ng	99
9) Benzaldehyde	6.434	77	170843	48.878	ng	100
10) Phenol	6.528	94	382126	59.780	ng	92
11) bis(2-Chloroethyl)ether	6.622	93	278869	58.802	ng	98
12) 1,3-Dichlorobenzene	6.822	146	353155	58.337	ng	98
13) 1,4-Dichlorobenzene	6.898	146	356089	58.035	ng	99
14) 1,2-Dichlorobenzene	7.051	146	338121	57.645	ng	99
15) Benzyl Alcohol	7.028	79	257749	60.062	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	439082	58.763	ng	97
17) 2-Methylphenol	7.134	107	242711	59.716	ng	100
18) Hexachloroethane	7.392	117	124457	56.741	ng	98
19) n-Nitroso-di-n-propyla...	7.304	70	202914	56.123	ng	97
20) 3+4-Methylphenols	7.292	107	298960	58.442	ng	99
22) Acetophenone	7.298	105	402615	58.063	ng	99
24) Nitrobenzene	7.469	77	306032	60.229	ng	99
25) Isophorone	7.710	82	548612	57.216	ng	100
26) 2-Nitrophenol	7.786	139	175072	61.836	ng	98
27) 2,4-Dimethylphenol	7.822	122	288532	59.859	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	343925	57.620	ng	100
29) 2,4-Dichlorophenol	8.028	162	260228	58.574	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	282721	57.608	ng	99
31) Naphthalene	8.192	128	886614	57.524	ng	100
32) Benzoic acid	7.945	122	169471	63.369	ng	96
33) 4-Chloroaniline	8.239	127	369911	59.887	ng	99
34) Hexachlorobutadiene	8.304	225	173425	55.768	ng	99
35) Caprolactam	8.622	113	73108	61.157	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	261249	56.927	ng	99
37) 2-Methylnaphthalene	8.881	142	548439	56.406	ng	100
38) 1-Methylnaphthalene	8.980	142	567801	56.247	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278551	59.918	ng	99
41) Hexachlorocyclopentadiene	9.033	237	181771	61.835	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	187708	62.392	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

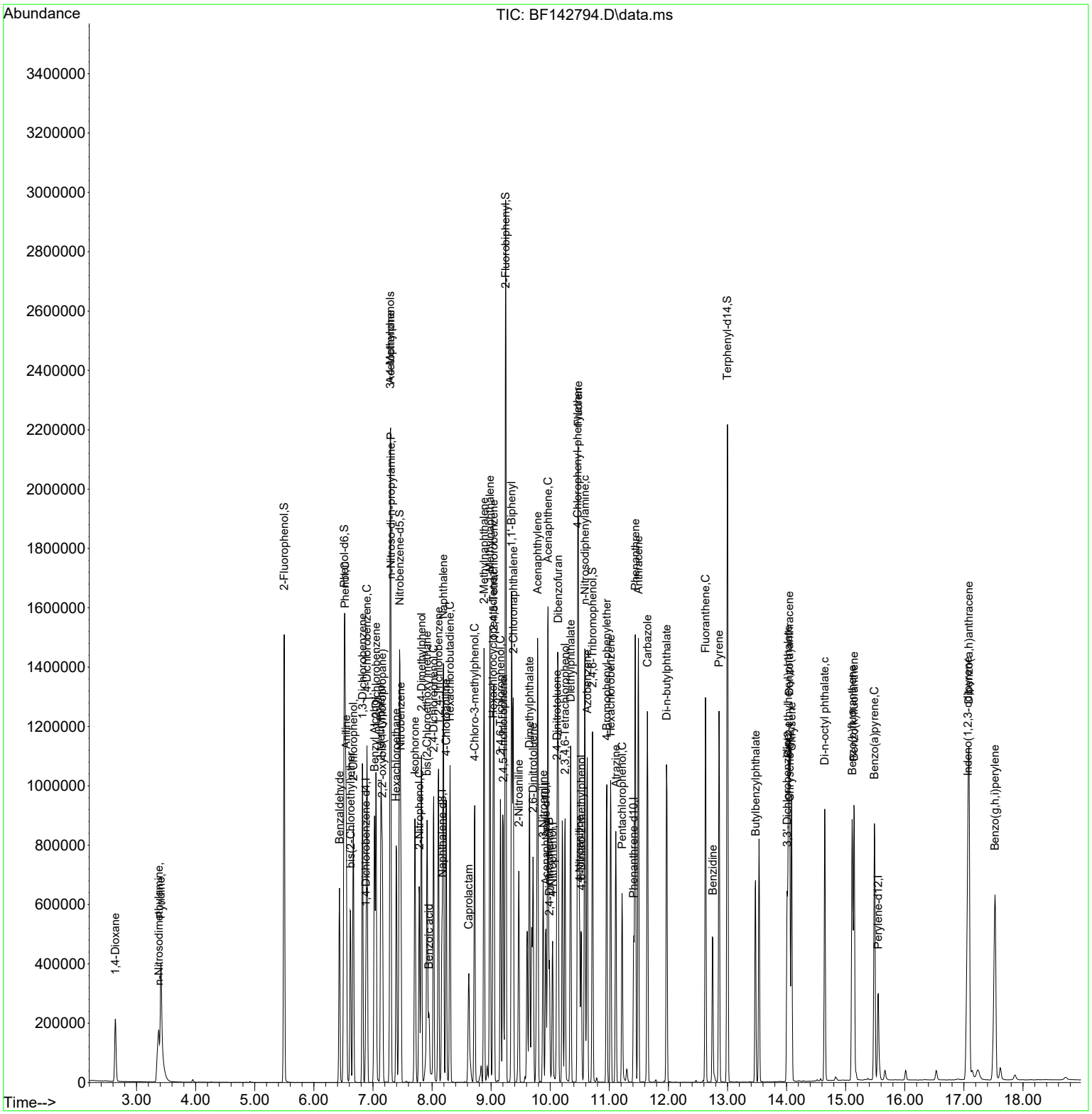
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
50) Dimethylphthalate	9.651	163	617097	57.767	ng	100
51) 2,6-Dinitrotoluene	9.710	165	137318	59.299	ng	99
52) Acenaphthene	9.963	154	566138	58.980	ng	100
53) 3-Nitroaniline	9.880	138	154402	61.386	ng	99
54) 2,4-Dinitrophenol	9.986	184	78750	62.843	ng	99
55) Dibenzofuran	10.133	168	802087	58.567	ng	99
56) 4-Nitrophenol	10.039	139	110658	64.811	ng	100
57) 2,4-Dinitrotoluene	10.116	165	184840	60.367	ng	97
58) Fluorene	10.475	166	608786	56.322	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	159997	58.739	ng	97
60) Diethylphthalate	10.345	149	611873	57.662	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	294444	56.089	ng	98
62) 4-Nitroaniline	10.498	138	144821	64.135	ng	98
63) Azobenzene	10.627	77	542118	58.460	ng	98
65) 4,6-Dinitro-2-methylph...	10.527	198	103180	62.814	ng	100
66) n-Nitrosodiphenylamine	10.586	169	531713	58.540	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	180519	58.311	ng	97
68) Hexachlorobenzene	11.022	284	199479	58.041	ng	99
69) Atrazine	11.110	200	144880	60.075	ng	98
70) Pentachlorophenol	11.216	266	107141	60.023	ng	98
71) Phenanthrene	11.439	178	815330	57.611	ng	99
72) Anthracene	11.492	178	844549	57.653	ng	100
73) Carbazole	11.645	167	729372	59.457	ng	100
74) Di-n-butylphthalate	11.969	149	784514	57.759	ng	100
75) Fluoranthene	12.627	202	770481	57.300	ng	99
77) Benzidine	12.751	184	287238	60.916	ng	100
78) Pyrene	12.857	202	744567	60.812	ng	99
80) Butylbenzylphthalate	13.474	149	238584	65.755	ng	97
81) Benzo(a)anthracene	14.045	228	550008	62.892	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	177798	62.787	ng	100
83) Chrysene	14.086	228	470124	57.743	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	336951	62.326	ng	99
85) Di-n-octyl phthalate	14.645	149	627090	60.871	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	768324	62.432	ng	99
88) Benzo(b)fluoranthene	15.110	252	597533	61.638	ng	100
89) Benzo(k)fluoranthene	15.139	252	518514	54.792	ng	99
90) Benzo(a)pyrene	15.486	252	569694	61.408	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	619236	61.889	ng	99
92) Benzo(g,h,i)perylene	17.527	276	626847	62.795	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142794.D
Acq On : 19 Jun 2025 20:10
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jun 20 04:41:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	77938	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	285299	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	140262	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	213216	20.000	ng		0.00
76) Chrysene-d12	14.063	240	127713	20.000	ng		0.00
86) Perylene-d12	15.551	264	175125	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	703164	153.880	ng		0.00
7) Phenol-d6	6.516	99	813626	151.631	ng		0.00
23) Nitrobenzene-d5	7.457	82	792380	152.234	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	210092	137.823	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1515847	143.770	ng		0.00
79) Terphenyl-d14	12.998	244	1127781	122.904	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	145434	80.147	ng		99
3) Pyridine	3.410	79	368129	81.031	ng		99
4) n-Nitrosodimethylamine	3.375	42	191412	82.265	ng		98
6) Aniline	6.545	93	544167	75.672	ng	#	83
8) 2-Chlorophenol	6.669	128	383707	77.116	ng		99
10) Phenol	6.534	94	448139	74.906	ng		84
11) bis(2-Chloroethyl)ether	6.622	93	335736	75.639	ng		98
12) 1,3-Dichlorobenzene	6.822	146	420352	74.190	ng		99
13) 1,4-Dichlorobenzene	6.898	146	419873	73.115	ng		99
14) 1,2-Dichlorobenzene	7.051	146	400191	72.897	ng		98
15) Benzyl Alcohol	7.028	79	307100	76.460	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	512514	73.285	ng		94
17) 2-Methylphenol	7.140	107	289573	76.123	ng		98
18) Hexachloroethane	7.392	117	150991	73.550	ng		99
19) n-Nitroso-di-n-propyla...	7.304	70	238778	70.563	ng		98
20) 3+4-Methylphenols	7.292	107	345456	72.154	ng		96
22) Acetophenone	7.298	105	463019	73.349	ng	#	98
24) Nitrobenzene	7.475	77	358834	77.574	ng		98
25) Isophorone	7.716	82	632390	72.447	ng		99
26) 2-Nitrophenol	7.787	139	201064	78.009	ng		99
27) 2,4-Dimethylphenol	7.822	122	335771	76.518	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	400973	73.793	ng		100
29) 2,4-Dichlorophenol	8.028	162	306123	75.689	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	332721	74.472	ng		100
31) Naphthalene	8.192	128	1029082	73.342	ng		100
32) Benzoic acid	7.957	122	192536	79.082	ng		96
33) 4-Chloroaniline	8.239	127	413911	73.608	ng		100
34) Hexachlorobutadiene	8.304	225	204081	72.088	ng		99
35) Caprolactam	8.628	113	78302	71.952	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	296520	70.974	ng		98
37) 2-Methylnaphthalene	8.881	142	627195	70.857	ng		100
38) 1-Methylnaphthalene	8.981	142	642853	69.952	ng		100
40) 1,2,4,5-Tetrachloroben...	9.051	216	315930	78.028	ng		99
41) Hexachlorocyclopentadiene	9.034	237	218091	85.183	ng		98
43) 2,4,6-Trichlorophenol	9.163	196	207984	79.375	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	217860	76.993	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.345	154	822529	75.525	ng	99
47) 2-Chloronaphthalene	9.375	162	620399	77.199	ng	99
48) 2-Nitroaniline	9.469	65	179718	78.716	ng	97
49) Acenaphthylene	9.786	152	1002569	74.207	ng	100
50) Dimethylphthalate	9.651	163	665322	71.510	ng	100
51) 2,6-Dinitrotoluene	9.710	165	150567	74.654	ng	99
52) Acenaphthene	9.963	154	621336	74.322	ng	100
53) 3-Nitroaniline	9.881	138	164090	74.903	ng	99
54) 2,4-Dinitrophenol	9.986	184	85185	78.050	ng	97
55) Dibenzofuran	10.133	168	862110	72.277	ng	99
56) 4-Nitrophenol	10.039	139	114163	76.771	ng	98
57) 2,4-Dinitrotoluene	10.116	165	189684	71.128	ng	95
58) Fluorene	10.475	166	663463	70.475	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170453	71.850	ng	97
60) Diethylphthalate	10.345	149	640148	69.265	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	318782	69.722	ng	98
62) 4-Nitroaniline	10.498	138	147879	75.193	ng	98
63) Azobenzene	10.628	77	578765	71.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.528	198	106528	80.401	ng	98
66) n-Nitrosodiphenylamine	10.586	169	564677	77.075	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	191698	76.768	ng	97
68) Hexachlorobenzene	11.022	284	210925	76.086	ng	98
69) Atrazine	11.110	200	148117	76.143	ng	100
70) Pentachlorophenol	11.216	266	113104	78.555	ng	99
71) Phenanthrene	11.439	178	845899	74.102	ng	99
72) Anthracene	11.492	178	862662	73.008	ng	99
73) Carbazole	11.645	167	738174	74.602	ng	100
74) Di-n-butylphthalate	11.969	149	798500	72.884	ng	100
75) Fluoranthene	12.627	202	766933	70.711	ng	99
77) Benzidine	12.751	184	299985	66.350	ng	100
78) Pyrene	12.857	202	750100	63.894	ng	98
80) Butylbenzylphthalate	13.474	149	287568	82.658	ng	97
81) Benzo(a)anthracene	14.051	228	655753	78.202	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	223571	82.340	ng	100
83) Chrysene	14.086	228	587658	75.278	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	448387	86.499	ng	99
85) Di-n-octyl phthalate	14.651	149	843227	85.366	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1010374	78.036	ng	99
88) Benzo(b)fluoranthene	15.115	252	749341	73.471	ng	100
89) Benzo(k)fluoranthene	15.145	252	747789	75.108	ng	99
90) Benzo(a)pyrene	15.492	252	759483	77.813	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	806991	76.662	ng	99
92) Benzo(g,h,i)perylene	17.539	276	813177	77.429	ng	99

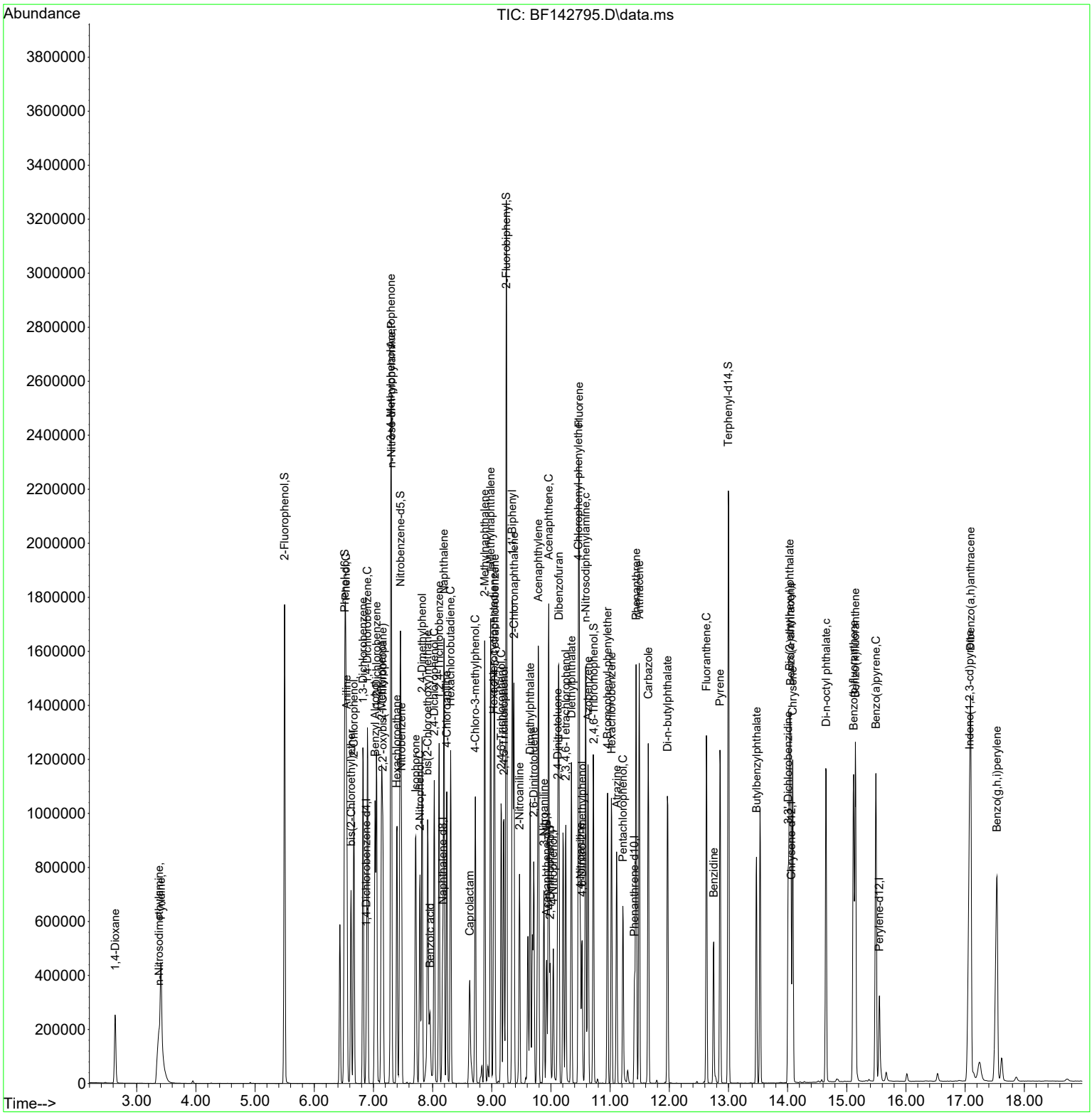
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142795.D
Acq On : 19 Jun 2025 20:40
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jun 20 04:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 04:36:38 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	74183	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	279139	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142968	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	228099	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122573	20.000	ng	0.00
86) Perylene-d12	15.545	264	153363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	361762	81.192	ng	0.00
7) Phenol-d6	6.510	99	421918	80.262	ng	0.00
23) Nitrobenzene-d5	7.445	82	373199	73.334	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	117795	80.065	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	785440	72.171	ng	0.00
79) Terphenyl-d14	12.998	244	628420	70.839	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	70139	39.357	ng	100
3) Pyridine	3.404	79	185173	41.446	ng	99
4) n-Nitrosodimethylamine	3.357	42	96831	41.912	ng	99
6) Aniline	6.545	93	296519	42.392	ng	99
8) 2-Chlorophenol	6.663	128	202041	42.036	ng	100
9) Benzaldehyde	6.434	77	148174	47.511	ng	99
10) Phenol	6.522	94	244839	41.901	ng	99
11) bis(2-Chloroethyl)ether	6.616	93	176058	42.157	ng	99
12) 1,3-Dichlorobenzene	6.822	146	228820	42.568	ng	99
13) 1,4-Dichlorobenzene	6.898	146	229234	42.268	ng	99
14) 1,2-Dichlorobenzene	7.051	146	218720	42.520	ng	99
15) Benzyl Alcohol	7.022	79	160044	42.114	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	284352	42.379	ng	100
17) 2-Methylphenol	7.134	107	154746	42.485	ng	98
18) Hexachloroethane	7.392	117	80788	42.589	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	127308	41.640	ng	99
20) 3+4-Methylphenols	7.287	107	194841	42.904	ng	98
22) Acetophenone	7.292	105	261474	42.478	ng	99
24) Nitrobenzene	7.463	77	193310	41.968	ng	99
25) Isophorone	7.704	82	338001	41.403	ng	99
26) 2-Nitrophenol	7.781	139	108455	43.224	ng	100
27) 2,4-Dimethylphenol	7.816	122	183273	42.168	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	217774	41.960	ng	99
29) 2,4-Dichlorophenol	8.022	162	166286	42.196	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	182768	42.177	ng	100
31) Naphthalene	8.187	128	576847	42.218	ng	100
32) Benzoic acid	7.922	122	101203	45.685	ng	95
33) 4-Chloroaniline	8.234	127	232045	41.766	ng	98
34) Hexachlorobutadiene	8.304	225	113068	42.657	ng	99
35) Caprolactam	8.604	113	42561	40.928	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	164064	41.890	ng	99
37) 2-Methylnaphthalene	8.881	142	353484	41.730	ng	100
38) 1-Methylnaphthalene	8.981	142	364378	41.554	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	182379	43.233	ng	99
41) Hexachlorocyclopentadiene	9.034	237	108592	45.361	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	116946	42.543	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

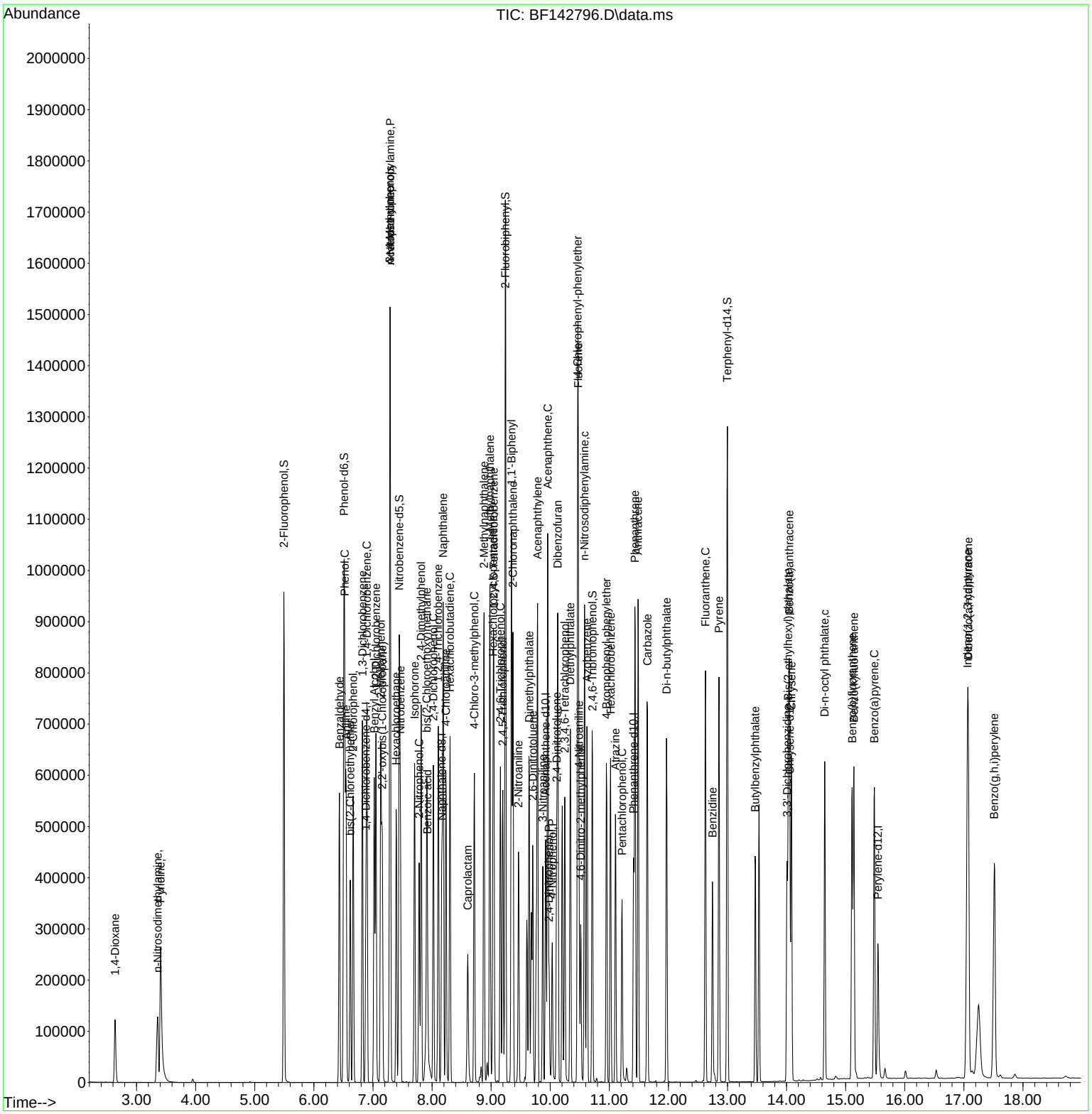
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	100
50) Dimethylphthalate	9.645	163	381573	41.232	ng	100
51) 2,6-Dinitrotoluene	9.704	165	84111	41.386	ng	99
52) Acenaphthene	9.957	154	356031	41.825	ng	100
53) 3-Nitroaniline	9.875	138	92889	41.512	ng	99
54) 2,4-Dinitrophenol	9.981	184	44513	43.742	ng	99
55) Dibenzofuran	10.128	168	502290	41.150	ng	100
56) 4-Nitrophenol	10.033	139	62127	40.556	ng	97
57) 2,4-Dinitrotoluene	10.110	165	111649	41.358	ng	100
58) Fluorene	10.475	166	391356	41.052	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	97630	41.857	ng	97
60) Diethylphthalate	10.339	149	371453	40.937	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	185884	40.862	ng	99
62) 4-Nitroaniline	10.486	138	83143	40.628	ng	99
63) Azobenzene	10.622	77	332701	41.025	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	59797	43.341	ng	94
66) n-Nitrosodiphenylamine	10.580	169	331671	41.955	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	112604	43.376	ng	96
68) Hexachlorobenzene	11.022	284	122976	42.632	ng	98
69) Atrazine	11.104	200	87455	42.840	ng	99
70) Pentachlorophenol	11.216	266	62292	43.337	ng	99
71) Phenanthrene	11.433	178	514049	41.603	ng	99
72) Anthracene	11.486	178	532397	42.013	ng	99
73) Carbazole	11.645	167	446814	40.858	ng	100
74) Di-n-butylphthalate	11.969	149	481078	42.228	ng	100
75) Fluoranthene	12.627	202	473431	40.372	ng	100
77) Benzidine	12.745	184	218884	47.530	ng	99
78) Pyrene	12.857	202	468692	40.794	ng	100
80) Butylbenzylphthalate	13.469	149	154743	46.431	ng	99
81) Benzo(a)anthracene	14.045	228	346202	41.868	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	124771	46.521	ng	99
83) Chrysene	14.080	228	321976	43.637	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	230046	47.976	ng	99
85) Di-n-octyl phthalate	14.645	149	425193	47.026	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	491326	42.060	ng	100
88) Benzo(b)fluoranthene	15.110	252	362077	40.801	ng	100
89) Benzo(k)fluoranthene	15.139	252	347044	41.800	ng	100
90) Benzo(a)pyrene	15.486	252	361077	42.117	ng	100
91) Dibenzo(a,h)anthracene	17.074	278	399293	42.069	ng	99
92) Benzo(g,h,i)perylene	17.515	276	397566	42.006	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	0.480	0.473	1.5	91	0.00
3		Pyridine	1.205	1.248	-3.6	95	0.00
4		n-Nitrosodimethylamine	0.623	0.653	-4.8	97	0.00
5	S	2-Fluorophenol	1.201	1.219	-1.5	94	0.00
6		Aniline	1.886	1.999	-6.0	97	0.00
7	S	Phenol-d6	1.417	1.422	-0.4	94	0.00
8		2-Chlorophenol	1.296	1.362	-5.1	97	0.00
9		Benzaldehyde	0.841	0.999	-18.8	117	0.00
10	C	Phenol	1.575	1.650	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	1.126	1.187	-5.4	98	0.00
12		1,3-Dichlorobenzene	1.449	1.542	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	1.462	1.545	-5.7	97	0.00
14		1,2-Dichlorobenzene	1.387	1.474	-6.3	98	0.00
15		Benzyl Alcohol	1.025	1.079	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.917	-6.0	99	0.00
17		2-Methylphenol	0.982	1.043	-6.2	98	0.00
18		Hexachloroethane	0.511	0.545	-6.7	97	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.858	-4.1	97	0.00
20		3+4-Methylphenols	1.224	1.313	-7.3	99	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.441	0.468	-6.1	100	0.00
23	S	Nitrobenzene-d5	0.365	0.334	8.5	84	0.00
24		Nitrobenzene	0.330	0.346	-4.8	97	0.00
25		Isophorone	0.585	0.605	-3.4	97	0.00
26	C	2-Nitrophenol	0.180	0.194	-7.8	97	0.00
27		2,4-Dimethylphenol	0.311	0.328	-5.5	98	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.390	-4.8	98	0.00
29	C	2,4-Dichlorophenol	0.282	0.298	-5.7	97	0.00
30		1,2,4-Trichlorobenzene	0.310	0.327	-5.5	98	0.00
31		Naphthalene	0.979	1.033	-5.5	99	0.00
32		Benzoic acid	0.159	0.181	-13.8	103	0.00
33		4-Chloroaniline	0.398	0.416	-4.5	98	0.00
34	C	Hexachlorobutadiene	0.190	0.203	-6.8	98	0.00
35		Caprolactam	0.075	0.076	-1.3	95	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.294	-4.6	97	0.00
37		2-Methylnaphthalene	0.607	0.633	-4.3	97	0.00
38		1-Methylnaphthalene	0.628	0.653	-4.0	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.638	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.380	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	0.206	0.206	0.0	91	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.409	-6.2	99	0.00
44		2,4,5-Trichlorophenol	0.405	0.436	-7.7	98	0.00
45	S	2-Fluorobiphenyl	1.522	1.373	9.8	85	0.00
46		1,1'-Biphenyl	1.580	1.665	-5.4	98	0.00
47		2-Chloronaphthalene	1.186	1.239	-4.5	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	0.332	0.347	-4.5	94	0.00
49		Acenaphthylene	1.952	2.029	-3.9	96	0.00
50		Dimethylphthalate	1.295	1.334	-3.0	96	0.00
51		2,6-Dinitrotoluene	0.284	0.294	-3.5	94	0.00
52	C	Acenaphthene	1.191	1.245	-4.5	96	0.00
53		3-Nitroaniline	0.313	0.325	-3.8	95	0.00
54	P	2,4-Dinitrophenol	0.142	0.156	-9.9	97	0.00
55		Dibenzofuran	1.708	1.757	-2.9	95	0.00
56	P	4-Nitrophenol	0.214	0.217	-1.4	92	0.00
57		2,4-Dinitrotoluene	0.378	0.390	-3.2	94	0.00
58		Fluorene	1.334	1.369	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.341	-4.6	97	0.00
60		Diethylphthalate	1.269	1.299	-2.4	95	0.00
61		4-Chlorophenyl-phenylether	0.636	0.650	-2.2	96	0.00
62		4-Nitroaniline	0.286	0.291	-1.7	94	0.00
63		Azobenzene	1.134	1.164	-2.6	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	95	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.727	-4.9	94	0.00
67		4-Bromophenyl-phenylether	0.228	0.247	-8.3	98	0.00
68		Hexachlorobenzene	0.253	0.270	-6.7	97	0.00
69		Atrazine	0.179	0.192	-7.3	96	0.00
70	C	Pentachlorophenol	0.126	0.137	-8.7	94	0.00
71		Phenanthrene	1.083	1.127	-4.1	95	0.00
72		Anthracene	1.111	1.167	-5.0	95	0.00
73		Carbazole	0.959	0.979	-2.1	94	0.00
74		Di-n-butylphthalate	0.999	1.055	-5.6	97	0.00
75	C	Fluoranthene	1.028	1.038	-1.0	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	86	0.00
77		Benzidine	0.751	0.893	-18.9	99	0.00
78		Pyrene	1.875	1.912	-2.0	94	0.00
79	S	Terphenyl-d14	1.447	1.282	11.4	83	0.00
80		Butylbenzylphthalate	0.544	0.631	-16.0	99	0.00
81		Benzo(a)anthracene	1.349	1.412	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	0.438	0.509	-16.2	102	0.00
83		Chrysene	1.204	1.313	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.938	-19.9	100	0.00
85	c	Di-n-octyl phthalate	1.475	1.734	-17.6	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.602	-5.2	98	0.00
88		Benzo(b)fluoranthene	1.157	1.180	-2.0	99	0.00
89		Benzo(k)fluoranthene	1.083	1.131	-4.4	98	0.00
90	C	Benzo(a)pyrene	1.118	1.177	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	1.238	1.302	-5.2	99	0.00
92		Benzo(g,h,i)perylene	1.234	1.296	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	39.357	1.6	91	0.00
3		Pyridine	40.000	41.446	-3.6	95	0.00
4		n-Nitrosodimethylamine	40.000	41.912	-4.8	97	0.00
5	S	2-Fluorophenol	80.000	81.192	-1.5	94	0.00
6		Aniline	40.000	42.392	-6.0	97	0.00
7	S	Phenol-d6	80.000	80.262	-0.3	94	0.00
8		2-Chlorophenol	40.000	42.036	-5.1	97	0.00
9		Benzaldehyde	40.000	47.511	-18.8	117	0.00
10	C	Phenol	40.000	41.901	-4.8	96	0.00
11		bis(2-Chloroethyl)ether	40.000	42.157	-5.4	98	0.00
12		1,3-Dichlorobenzene	40.000	42.568	-6.4	99	0.00
13	C	1,4-Dichlorobenzene	40.000	42.268	-5.7	97	0.00
14		1,2-Dichlorobenzene	40.000	42.520	-6.3	98	0.00
15		Benzyl Alcohol	40.000	42.114	-5.3	98	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.379	-5.9	99	0.00
17		2-Methylphenol	40.000	42.485	-6.2	98	0.00
18		Hexachloroethane	40.000	42.589	-6.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.640	-4.1	97	0.00
20		3+4-Methylphenols	40.000	42.904	-7.3	99	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	42.478	-6.2	100	0.00
23	S	Nitrobenzene-d5	80.000	73.334	8.3	84	0.00
24		Nitrobenzene	40.000	41.968	-4.9	97	0.00
25		Isophorone	40.000	41.403	-3.5	97	0.00
26	C	2-Nitrophenol	40.000	43.224	-8.1	97	0.00
27		2,4-Dimethylphenol	40.000	42.168	-5.4	98	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.960	-4.9	98	0.00
29	C	2,4-Dichlorophenol	40.000	42.196	-5.5	97	0.00
30		1,2,4-Trichlorobenzene	40.000	42.177	-5.4	98	0.00
31		Naphthalene	40.000	42.218	-5.5	99	0.00
32		Benzoic acid	40.000	45.685	-14.2	103	0.00
33		4-Chloroaniline	40.000	41.766	-4.4	98	0.00
34	C	Hexachlorobutadiene	40.000	42.657	-6.6	98	0.00
35		Caprolactam	40.000	40.928	-2.3	95	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.890	-4.7	97	0.00
37		2-Methylnaphthalene	40.000	41.730	-4.3	97	0.00
38		1-Methylnaphthalene	40.000	41.554	-3.9	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	88	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.233	-8.1	101	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.361	-13.4	100	0.00
42	S	2,4,6-Tribromophenol	80.000	80.065	-0.1	91	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.543	-6.4	99	0.00
44		2,4,5-Trichlorophenol	40.000	43.045	-7.6	98	0.00
45	S	2-Fluorobiphenyl	80.000	72.171	9.8	85	0.00
46		1,1'-Biphenyl	40.000	42.159	-5.4	98	0.00
47		2-Chloronaphthalene	40.000	41.817	-4.5	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.724	-4.3	94	0.00
49		Acenaphthylene	40.000	41.586	-4.0	96	0.00
50		Dimethylphthalate	40.000	41.232	-3.1	96	0.00
51		2,6-Dinitrotoluene	40.000	41.386	-3.5	94	0.00
52	C	Acenaphthene	40.000	41.825	-4.6	96	0.00
53		3-Nitroaniline	40.000	41.512	-3.8	95	0.00
54	P	2,4-Dinitrophenol	40.000	43.742	-9.4	97	0.00
55		Dibenzofuran	40.000	41.150	-2.9	95	0.00
56	P	4-Nitrophenol	40.000	40.556	-1.4	92	0.00
57		2,4-Dinitrotoluene	40.000	41.358	-3.4	94	0.00
58		Fluorene	40.000	41.052	-2.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.857	-4.6	97	0.00
60		Diethylphthalate	40.000	40.937	-2.3	95	0.00
61		4-Chlorophenyl-phenylether	40.000	40.862	-2.2	96	0.00
62		4-Nitroaniline	40.000	40.628	-1.6	94	0.00
63		Azobenzene	40.000	41.025	-2.6	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	87	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.341	-8.4	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.955	-4.9	94	0.00
67		4-Bromophenyl-phenylether	40.000	43.376	-8.4	98	0.00
68		Hexachlorobenzene	40.000	42.632	-6.6	97	0.00
69		Atrazine	40.000	42.840	-7.1	96	0.00
70	C	Pentachlorophenol	40.000	43.337	-8.3	94	0.00
71		Phenanthrene	40.000	41.603	-4.0	95	0.00
72		Anthracene	40.000	42.013	-5.0	95	0.00
73		Carbazole	40.000	40.858	-2.1	94	0.00
74		Di-n-butylphthalate	40.000	42.228	-5.6	97	0.00
75	C	Fluoranthene	40.000	40.372	-0.9	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	86	0.00
77		Benzidine	40.000	47.530	-18.8	99	0.00
78		Pyrene	40.000	40.794	-2.0	94	0.00
79	S	Terphenyl-d14	80.000	70.839	11.5	83	0.00
80		Butylbenzylphthalate	40.000	46.431	-16.1	99	0.00
81		Benzo(a)anthracene	40.000	41.868	-4.7	96	0.00
82		3,3'-Dichlorobenzidine	40.000	46.521	-16.3	102	0.00
83		Chrysene	40.000	43.637	-9.1	97	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	47.976	-19.9	100	0.00
85	c	Di-n-octyl phthalate	40.000	47.026	-17.6	102	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.060	-5.2	98	0.00
88		Benzo(b)fluoranthene	40.000	40.801	-2.0	99	0.00
89		Benzo(k)fluoranthene	40.000	41.800	-4.5	98	0.00
90	C	Benzo(a)pyrene	40.000	42.117	-5.3	99	0.00
91		Dibenzo(a,h)anthracene	40.000	42.069	-5.2	99	0.00
92		Benzo(g,h,i)perylene	40.000	42.006	-5.0	98	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142796.D
Acq On : 19 Jun 2025 21:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF061925

Quant Time: Jun 24 15:59:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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: **BF142811.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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.291		7.5	
Benzaldehyde	0.841	0.794		-5.6	
Phenol-d6	1.417	1.525		7.6	
Phenol	1.575	1.704		8.2	20.0
bis(2-Chloroethyl)ether	1.126	1.218		8.2	
2-Chlorophenol	1.296	1.398		7.9	
2-Methylphenol	0.982	1.064		8.4	
2,2-oxybis(1-Chloropropane)	1.809	1.882		4.0	
Acetophenone	0.441	0.464		5.2	
3+4-Methylphenols	1.224	1.330		8.7	
n-Nitroso-di-n-propylamine	0.824	0.878	0.050	6.6	
Nitrobenzene-d5	0.365	0.392		7.4	
Hexachloroethane	0.511	0.538		5.3	
Nitrobenzene	0.330	0.354		7.3	
Isophorone	0.585	0.629		7.5	
2-Nitrophenol	0.180	0.200		11.1	20.0
2,4-Dimethylphenol	0.311	0.334		7.4	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.303		7.4	20.0
Naphthalene	0.979	1.037		5.9	
4-Chloroaniline	0.398	0.430		8.0	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.089		18.7	
4-Chloro-3-methylphenol	0.281	0.306		8.9	20.0
2-Methylnaphthalene	0.607	0.642		5.8	
Hexachlorocyclopentadiene	0.335	0.363	0.050	8.4	
2,4,6-Trichlorophenol	0.385	0.402		4.4	20.0
2-Fluorobiphenyl	1.522	1.513		-0.6	
2,4,5-Trichlorophenol	0.405	0.431		6.4	
1,1-Biphenyl	1.580	1.627		3.0	
2-Chloronaphthalene	1.186	1.226		3.4	
2-Nitroaniline	0.332	0.365		9.9	
Dimethylphthalate	1.295	1.370		5.8	
Acenaphthylene	1.952	2.032		4.1	
2,6-Dinitrotoluene	0.284	0.307		8.1	
3-Nitroaniline	0.313	0.349		11.5	
Acenaphthene	1.191	1.256		5.5	20.0
2,4-Dinitrophenol	0.142	0.166	0.050	16.9	
4-Nitrophenol	0.214	0.246	0.050	15.0	

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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date/Time: 06/24/2025 10:16

Lab File ID: BF142811.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.783		4.4	
2,4-Dinitrotoluene	0.378	0.420		11.1	
Diethylphthalate	1.269	1.361		7.3	
4-Chlorophenyl-phenylether	0.636	0.648		1.9	
Fluorene	1.334	1.373		2.9	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.138		14.1	
n-Nitrosodiphenylamine	0.693	0.711		2.6	20.0
2,4,6-Tribromophenol	0.206	0.220		6.8	
4-Bromophenyl-phenylether	0.228	0.240		5.3	
Hexachlorobenzene	0.253	0.264		4.3	
Atrazine	0.179	0.199		11.2	
Pentachlorophenol	0.126	0.142		12.7	20.0
Phenanthrene	1.083	1.122		3.6	
Anthracene	1.111	1.145		3.1	
Carbazole	0.959	1.009		5.2	
Di-n-butylphthalate	0.999	1.075		7.6	
Fluoranthene	1.028	1.044		1.6	20.0
Pyrene	1.875	1.902		1.4	
Terphenyl-d14	1.447	1.406		-2.8	
Butylbenzylphthalate	0.544	0.587		7.9	
3,3-Dichlorobenzidine	0.438	0.472		7.8	
Benzo(a)anthracene	1.349	1.414		4.8	
Chrysene	1.204	1.284		6.6	
Bis(2-ethylhexyl)phthalate	0.782	0.826		5.6	
Di-n-octyl phthalate	1.475	1.519		3.0	20.0
Benzo(b)fluoranthene	1.157	1.271		9.9	
Benzo(k)fluoranthene	1.083	1.127		4.1	
Benzo(a)pyrene	1.118	1.198		7.2	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.575		3.4	
Dibenzo(a,h)anthracene	1.238	1.269		2.5	
Benzo(g,h,i)perylene	1.234	1.268		2.8	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.520		8.3	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.344		5.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.880	152	88364	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	335549	20.000	ng	0.00
39) Acenaphthene-d10	9.921	164	179366	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	300319	20.000	ng	0.00
76) Chrysene-d12	14.056	240	163667	20.000	ng	0.00
86) Perylene-d12	15.545	264	187854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	456296	85.974	ng	0.00
7) Phenol-d6	6.510	99	538916	86.066	ng	0.00
23) Nitrobenzene-d5	7.445	82	526395	86.048	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	157486	85.321	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1085224	79.482	ng	0.00
79) Terphenyl-d14	12.998	244	920683	77.725	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.645	88	91957	43.318	ng	99
3) Pyridine	3.410	79	231793	43.555	ng	99
4) n-Nitrosodimethylamine	3.369	42	117601	42.733	ng	95
6) Aniline	6.545	93	363367	43.612	ng	100
8) 2-Chlorophenol	6.663	128	247103	43.161	ng	99
9) Benzaldehyde	6.433	77	140403	37.794	ng	99
10) Phenol	6.528	94	301098	43.259	ng	93
11) bis(2-Chloroethyl)ether	6.616	93	215204	43.260	ng	99
12) 1,3-Dichlorobenzene	6.822	146	271215	42.358	ng	99
13) 1,4-Dichlorobenzene	6.898	146	274224	42.449	ng	99
14) 1,2-Dichlorobenzene	7.051	146	260103	42.450	ng	99
15) Benzyl Alcohol	7.022	79	198970	43.954	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	332544	41.607	ng	99
17) 2-Methylphenol	7.133	107	188101	43.355	ng	99
18) Hexachloroethane	7.392	117	95048	42.065	ng	97
19) n-Nitroso-di-n-propyla...	7.292	70	155120	42.594	ng	100
20) 3+4-Methylphenols	7.286	107	235113	43.463	ng	97
22) Acetophenone	7.292	105	311257	42.065	ng	99
24) Nitrobenzene	7.469	77	237487	42.892	ng	97
25) Isophorone	7.704	82	422145	43.017	ng	100
26) 2-Nitrophenol	7.780	139	133998	44.426	ng	99
27) 2,4-Dimethylphenol	7.816	122	224066	42.887	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	265061	42.485	ng	99
29) 2,4-Dichlorophenol	8.022	162	203381	42.933	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	218035	41.857	ng	100
31) Naphthalene	8.186	128	696192	42.387	ng	99
32) Benzoic acid	7.933	122	126992	47.690	ng	97
33) 4-Chloroaniline	8.233	127	288786	43.241	ng	100
34) Hexachlorobutadiene	8.304	225	132733	41.657	ng	99
35) Caprolactam	8.610	113	59758	47.805	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	205152	43.575	ng	100
37) 2-Methylnaphthalene	8.880	142	430600	42.288	ng	100
38) 1-Methylnaphthalene	8.980	142	449219	42.617	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	217242	41.047	ng	99
41) Hexachlorocyclopentadiene	9.033	237	130125	43.326	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	144284	41.837	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

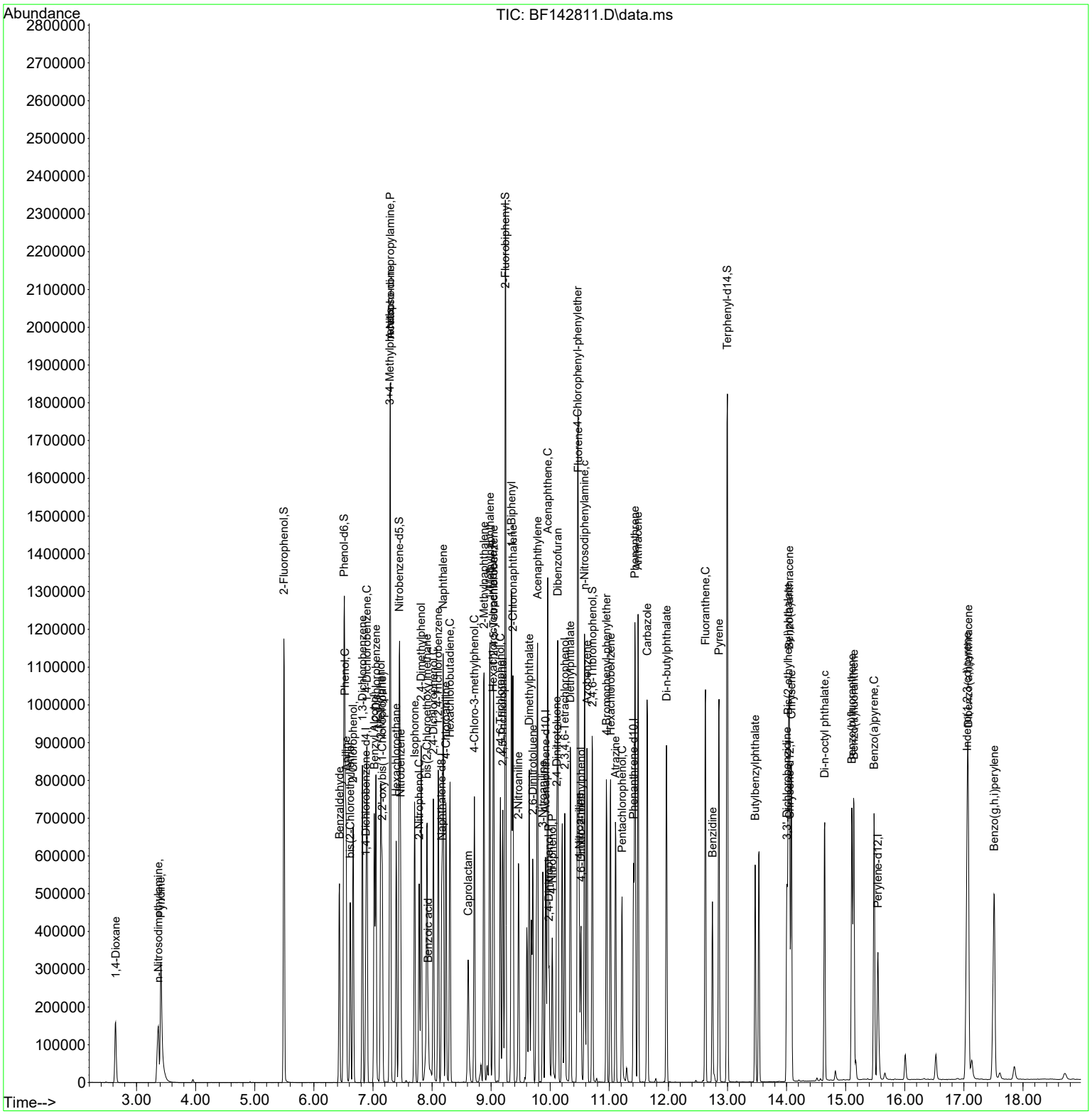
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	154645	42.597	ng	99
46) 1,1'-Biphenyl	9.345	154	583765	41.200	ng	100
47) 2-Chloronaphthalene	9.369	162	439850	41.367	ng	100
48) 2-Nitroaniline	9.463	65	130885	43.907	ng	98
49) Acenaphthylene	9.786	152	729096	41.654	ng	100
50) Dimethylphthalate	9.645	163	491365	42.321	ng	100
51) 2,6-Dinitrotoluene	9.704	165	110024	43.151	ng	99
52) Acenaphthene	9.957	154	450566	42.190	ng	100
53) 3-Nitroaniline	9.874	138	125282	44.627	ng	99
54) 2,4-Dinitrophenol	9.980	184	59614	46.693	ng	98
55) Dibenzofuran	10.127	168	639543	41.762	ng	100
56) 4-Nitrophenol	10.033	139	88318	45.954	ng	98
57) 2,4-Dinitrotoluene	10.110	165	150754	44.512	ng	99
58) Fluorene	10.474	166	492361	41.167	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	123461	42.190	ng	99
60) Diethylphthalate	10.339	149	488058	42.873	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	232566	40.750	ng	99
62) 4-Nitroaniline	10.492	138	118100	45.998	ng	98
63) Azobenzene	10.621	77	425881	41.858	ng	99
65) 4,6-Dinitro-2-methylph...	10.521	198	82988	45.685	ng	99
66) n-Nitrosodiphenylamine	10.580	169	427020	41.027	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	144032	42.140	ng	96
68) Hexachlorobenzene	11.021	284	158667	41.778	ng	98
69) Atrazine	11.104	200	119790	44.569	ng	98
70) Pentachlorophenol	11.215	266	85215	45.028	ng	99
71) Phenanthrene	11.433	178	673912	41.425	ng	99
72) Anthracene	11.486	178	687776	41.222	ng	100
73) Carbazole	11.639	167	605919	42.083	ng	100
74) Di-n-butylphthalate	11.968	149	645750	43.052	ng	100
75) Fluoranthene	12.627	202	627298	40.630	ng	100
77) Benzidine	12.745	184	263874	42.912	ng	99
78) Pyrene	12.857	202	622546	40.580	ng	100
80) Butylbenzylphthalate	13.468	149	192178	43.185	ng	99
81) Benzo(a)anthracene	14.045	228	462690	41.906	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	154551	43.156	ng	99
83) Chrysene	14.080	228	420140	42.644	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	270514	42.250	ng	99
85) Di-n-octyl phthalate	14.645	149	497177	41.181	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	591613	41.346	ng	99
88) Benzo(b)fluoranthene	15.103	252	477548	43.932	ng	100
89) Benzo(k)fluoranthene	15.139	252	423530	41.646	ng	100
90) Benzo(a)pyrene	15.480	252	450041	42.856	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	476750	41.007	ng	99
92) Benzo(g,h,i)perylene	17.515	276	476423	41.096	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Sample Results: **BF142811.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	106	0.00
2		1,4-Dioxane	0.480	0.520	-8.3	119	0.00
3		Pyridine	1.205	1.312	-8.9	119	0.00
4		n-Nitrosodimethylamine	0.623	0.665	-6.7	118	0.01
5	S	2-Fluorophenol	1.201	1.291	-7.5	119	0.00
6		Aniline	1.886	2.056	-9.0	119	0.00
7	S	Phenol-d6	1.417	1.525	-7.6	120	0.00
8		2-Chlorophenol	1.296	1.398	-7.9	119	0.00
9		Benzaldehyde	0.841	0.794	5.6	111	0.00
10	C	Phenol	1.575	1.704	-8.2	119	0.00
11		bis(2-Chloroethyl)ether	1.126	1.218	-8.2	120	0.00
12		1,3-Dichlorobenzene	1.449	1.535	-5.9	118	0.00
13	C	1,4-Dichlorobenzene	1.462	1.552	-6.2	116	0.00
14		1,2-Dichlorobenzene	1.387	1.472	-6.1	117	0.00
15		Benzyl Alcohol	1.025	1.126	-9.9	122	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.882	-4.0	115	0.00
17		2-Methylphenol	0.982	1.064	-8.4	120	0.00
18		Hexachloroethane	0.511	0.538	-5.3	114	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.878	-6.6	118	0.00
20		3+4-Methylphenols	1.224	1.330	-8.7	119	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.441	0.464	-5.2	119	0.00
23	S	Nitrobenzene-d5	0.365	0.392	-7.4	119	0.00
24		Nitrobenzene	0.330	0.354	-7.3	119	0.00
25		Isophorone	0.585	0.629	-7.5	121	0.00
26	C	2-Nitrophenol	0.180	0.200	-11.1	120	0.00
27		2,4-Dimethylphenol	0.311	0.334	-7.4	119	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.395	-6.2	119	0.00
29	C	2,4-Dichlorophenol	0.282	0.303	-7.4	119	0.00
30		1,2,4-Trichlorobenzene	0.310	0.325	-4.8	116	0.00
31		Naphthalene	0.979	1.037	-5.9	119	0.00
32		Benzoic acid	0.159	0.189	-18.9	129	0.01
33		4-Chloroaniline	0.398	0.430	-8.0	122	0.00
34	C	Hexachlorobutadiene	0.190	0.198	-4.2	115	0.00
35		Caprolactam	0.075	0.089	-18.7	133	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.306	-8.9	122	0.00
37		2-Methylnaphthalene	0.607	0.642	-5.8	119	0.00
38		1-Methylnaphthalene	0.628	0.669	-6.5	120	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	120	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.363	-8.4	119	0.00
42	S	2,4,6-Tribromophenol	0.206	0.220	-6.8	121	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.402	-4.4	122	0.00
44		2,4,5-Trichlorophenol	0.405	0.431	-6.4	122	0.00
45	S	2-Fluorobiphenyl	1.522	1.513	0.6	117	0.00
46		1,1'-Biphenyl	1.580	1.627	-3.0	120	0.00
47		2-Chloronaphthalene	1.186	1.226	-3.4	120	0.00

Sample Results: **BF142811.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	0.332	0.365	-9.9	125	0.00
49		Acenaphthylene	1.952	2.032	-4.1	121	0.00
50		Dimethylphthalate	1.295	1.370	-5.8	123	0.00
51		2,6-Dinitrotoluene	0.284	0.307	-8.1	123	0.00
52	C	Acenaphthene	1.191	1.256	-5.5	122	0.00
53		3-Nitroaniline	0.313	0.349	-11.5	128	0.00
54	P	2,4-Dinitrophenol	0.142	0.166	-16.9	130	0.00
55		Dibenzofuran	1.708	1.783	-4.4	121	0.00
56	P	4-Nitrophenol	0.214	0.246	-15.0	131	0.00
57		2,4-Dinitrotoluene	0.378	0.420	-11.1	127	0.00
58		Fluorene	1.334	1.373	-2.9	121	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.344	-5.5	122	0.00
60		Diethylphthalate	1.269	1.361	-7.2	124	0.00
61		4-Chlorophenyl-phenylether	0.636	0.648	-1.9	120	0.00
62		4-Nitroaniline	0.286	0.329	-15.0	134	0.00
63		Azobenzene	1.134	1.187	-4.7	122	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.138	-14.0	132	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.711	-2.6	121	0.00
67		4-Bromophenyl-phenylether	0.228	0.240	-5.3	125	0.00
68		Hexachlorobenzene	0.253	0.264	-4.3	125	0.00
69		Atrazine	0.179	0.199	-11.2	131	0.00
70	C	Pentachlorophenol	0.126	0.142	-12.7	129	0.00
71		Phenanthrene	1.083	1.122	-3.6	124	0.00
72		Anthracene	1.111	1.145	-3.1	123	0.00
73		Carbazole	0.959	1.009	-5.2	128	0.00
74		Di-n-butylphthalate	0.999	1.075	-7.6	130	0.00
75	C	Fluoranthene	1.028	1.044	-1.6	125	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77		Benzidine	0.751	0.806	-7.3	120	0.00
78		Pyrene	1.875	1.902	-1.4	125	0.00
79	S	Terphenyl-d14	1.447	1.406	2.8	122	0.00
80		Butylbenzylphthalate	0.544	0.587	-7.9	123	0.00
81		Benzo(a)anthracene	1.349	1.414	-4.8	128	0.00
82		3,3'-Dichlorobenzidine	0.438	0.472	-7.8	127	0.00
83		Chrysene	1.204	1.284	-6.6	127	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.826	-5.6	118	0.00
85	c	Di-n-octyl phthalate	1.475	1.519	-3.0	119	0.00
86	I	Perylene-d12	1.000	1.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.575	-3.4	118	0.00
88		Benzo(b)fluoranthene	1.157	1.271	-9.9	131	0.00
89		Benzo(k)fluoranthene	1.083	1.127	-4.1	120	0.00
90	C	Benzo(a)pyrene	1.118	1.198	-7.2	124	0.00
91		Dibenzo(a,h)anthracene	1.238	1.269	-2.5	119	0.00
92		Benzo(g,h,i)perylene	1.234	1.268	-2.8	118	0.00

Sample Results: **BF142811.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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: **BF142811.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	106	0.00
2		1,4-Dioxane	40.000	43.318	-8.3	119	0.00
3		Pyridine	40.000	43.555	-8.9	119	0.00
4		n-Nitrosodimethylamine	40.000	42.733	-6.8	118	0.01
5	S	2-Fluorophenol	80.000	85.974	-7.5	119	0.00
6		Aniline	40.000	43.612	-9.0	119	0.00
7	S	Phenol-d6	80.000	86.066	-7.6	120	0.00
8		2-Chlorophenol	40.000	43.161	-7.9	119	0.00
9		Benzaldehyde	40.000	37.794	5.5	111	0.00
10	C	Phenol	40.000	43.259	-8.1	119	0.00
11		bis(2-Chloroethyl)ether	40.000	43.260	-8.1	120	0.00
12		1,3-Dichlorobenzene	40.000	42.358	-5.9	118	0.00
13	C	1,4-Dichlorobenzene	40.000	42.449	-6.1	116	0.00
14		1,2-Dichlorobenzene	40.000	42.450	-6.1	117	0.00
15		Benzyl Alcohol	40.000	43.954	-9.9	122	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.607	-4.0	115	0.00
17		2-Methylphenol	40.000	43.355	-8.4	120	0.00
18		Hexachloroethane	40.000	42.065	-5.2	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.594	-6.5	118	0.00
20		3+4-Methylphenols	40.000	43.463	-8.7	119	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	42.065	-5.2	119	0.00
23	S	Nitrobenzene-d5	80.000	86.048	-7.6	119	0.00
24		Nitrobenzene	40.000	42.892	-7.2	119	0.00
25		Isophorone	40.000	43.017	-7.5	121	0.00
26	C	2-Nitrophenol	40.000	44.426	-11.1	120	0.00
27		2,4-Dimethylphenol	40.000	42.887	-7.2	119	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.485	-6.2	119	0.00
29	C	2,4-Dichlorophenol	40.000	42.933	-7.3	119	0.00
30		1,2,4-Trichlorobenzene	40.000	41.857	-4.6	116	0.00
31		Naphthalene	40.000	42.387	-6.0	119	0.00
32		Benzoic acid	40.000	47.690	-19.2	129	0.01
33		4-Chloroaniline	40.000	43.241	-8.1	122	0.00
34	C	Hexachlorobutadiene	40.000	41.657	-4.1	115	0.00
35		Caprolactam	40.000	47.805	-19.5	133	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.575	-8.9	122	0.00
37		2-Methylnaphthalene	40.000	42.288	-5.7	119	0.00
38		1-Methylnaphthalene	40.000	42.617	-6.5	120	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	111	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.047	-2.6	120	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.326	-8.3	119	0.00
42	S	2,4,6-Tribromophenol	80.000	85.321	-6.7	121	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.837	-4.6	122	0.00
44		2,4,5-Trichlorophenol	40.000	42.597	-6.5	122	0.00
45	S	2-Fluorobiphenyl	80.000	79.482	0.6	117	0.00
46		1,1'-Biphenyl	40.000	41.200	-3.0	120	0.00
47		2-Chloronaphthalene	40.000	41.367	-3.4	120	0.00

Sample Results: **BF142811.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	43.907	-9.8	125	0.00
49		Acenaphthylene	40.000	41.654	-4.1	121	0.00
50		Dimethylphthalate	40.000	42.321	-5.8	123	0.00
51		2,6-Dinitrotoluene	40.000	43.151	-7.9	123	0.00
52	C	Acenaphthene	40.000	42.190	-5.5	122	0.00
53		3-Nitroaniline	40.000	44.627	-11.6	128	0.00
54	P	2,4-Dinitrophenol	40.000	46.693	-16.7	130	0.00
55		Dibenzofuran	40.000	41.762	-4.4	121	0.00
56	P	4-Nitrophenol	40.000	45.954	-14.9	131	0.00
57		2,4-Dinitrotoluene	40.000	44.512	-11.3	127	0.00
58		Fluorene	40.000	41.167	-2.9	121	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.190	-5.5	122	0.00
60		Diethylphthalate	40.000	42.873	-7.2	124	0.00
61		4-Chlorophenyl-phenylether	40.000	40.750	-1.9	120	0.00
62		4-Nitroaniline	40.000	45.998	-15.0	134	0.00
63		Azobenzene	40.000	41.858	-4.6	122	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.685	-14.2	132	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.027	-2.6	121	0.00
67		4-Bromophenyl-phenylether	40.000	42.140	-5.4	125	0.00
68		Hexachlorobenzene	40.000	41.778	-4.4	125	0.00
69		Atrazine	40.000	44.569	-11.4	131	0.00
70	C	Pentachlorophenol	40.000	45.028	-12.6	129	0.00
71		Phenanthrene	40.000	41.425	-3.6	124	0.00
72		Anthracene	40.000	41.222	-3.1	123	0.00
73		Carbazole	40.000	42.083	-5.2	128	0.00
74		Di-n-butylphthalate	40.000	43.052	-7.6	130	0.00
75	C	Fluoranthene	40.000	40.630	-1.6	125	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77		Benzidine	40.000	42.912	-7.3	120	0.00
78		Pyrene	40.000	40.580	-1.4	125	0.00
79	S	Terphenyl-d14	80.000	77.725	2.8	122	0.00
80		Butylbenzylphthalate	40.000	43.185	-8.0	123	0.00
81		Benzo(a)anthracene	40.000	41.906	-4.8	128	0.00
82		3,3'-Dichlorobenzidine	40.000	43.156	-7.9	127	0.00
83		Chrysene	40.000	42.644	-6.6	127	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.250	-5.6	118	0.00
85	c	Di-n-octyl phthalate	40.000	41.181	-3.0	119	0.00
86	I	Perylene-d12	20.000	20.000	0.0	110	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.346	-3.4	118	0.00
88		Benzo(b)fluoranthene	40.000	43.932	-9.8	131	0.00
89		Benzo(k)fluoranthene	40.000	41.646	-4.1	120	0.00
90	C	Benzo(a)pyrene	40.000	42.856	-7.1	124	0.00
91		Dibenzo(a,h)anthracene	40.000	41.007	-2.5	119	0.00
92		Benzo(g,h,i)perylene	40.000	41.096	-2.7	118	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142811.D
Acq On : 24 Jun 2025 10:16
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 24 11:38:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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: **BF142834.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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.310		9.1	
Benzaldehyde	0.841	1.601		90.4	
Phenol-d6	1.417	1.498		5.7	
Phenol	1.575	1.609		2.2	20.0
bis(2-Chloroethyl)ether	1.126	1.187		5.4	
2-Chlorophenol	1.296	1.378		6.3	
2-Methylphenol	0.982	0.980		-0.2	
2,2-oxybis(1-Chloropropane)	1.809	1.824		0.8	
Acetophenone	0.441	0.485		10.0	
3+4-Methylphenols	1.224	1.248		2.0	
n-Nitroso-di-n-propylamine	0.824	0.810	0.050	-1.7	
Nitrobenzene-d5	0.365	0.429		17.5	
Hexachloroethane	0.511	0.536		4.9	
Nitrobenzene	0.330	0.360		9.1	
Isophorone	0.585	0.564		-3.6	
2-Nitrophenol	0.180	0.204		13.3	20.0
2,4-Dimethylphenol	0.311	0.255		-18.0	
bis(2-Chloroethoxy)methane	0.372	0.395		6.2	
2,4-Dichlorophenol	0.282	0.314		11.3	20.0
Naphthalene	0.979	1.102		12.6	
4-Chloroaniline	0.398	0.363		-8.8	
Hexachlorobutadiene	0.190	0.213		12.1	20.0
Caprolactam	0.075	0.076		1.3	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.706		16.3	
Hexachlorocyclopentadiene	0.335	0.399	0.050	19.1	
2,4,6-Trichlorophenol	0.385	0.433		12.5	20.0
2-Fluorobiphenyl	1.522	1.796		18.0	
2,4,5-Trichlorophenol	0.405	0.455		12.3	
1,1-Biphenyl	1.580	1.785		13.0	
2-Chloronaphthalene	1.186	1.311		10.5	
2-Nitroaniline	0.332	0.349		5.1	
Dimethylphthalate	1.295	1.402		8.3	
Acenaphthylene	1.952	2.014		3.2	
2,6-Dinitrotoluene	0.284	0.309		8.8	
3-Nitroaniline	0.313	0.321		2.6	
Acenaphthene	1.191	1.337		12.3	20.0
2,4-Dinitrophenol	0.142	0.160	0.050	12.7	
4-Nitrophenol	0.214	0.227	0.050	6.1	

Raw Data: **BF142834.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: EARTH03

Lab Code: CHEM Case No.: Q2392 SAS No.: Q2392 SDG No.: Q2392

Instrument ID: BNA_F Calibration Date/Time: 06/25/2025 13:25

Lab File ID: BF142834.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.910		11.8	
2,4-Dinitrotoluene	0.378	0.393		4.0	
Diethylphthalate	1.269	1.419		11.8	
4-Chlorophenyl-phenylether	0.636	0.688		8.2	
Fluorene	1.334	1.434		7.5	
4-Nitroaniline	0.286	0.307		7.3	
4,6-Dinitro-2-methylphenol	0.121	0.133		9.9	
n-Nitrosodiphenylamine	0.693	0.758		9.4	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.259		13.6	
Hexachlorobenzene	0.253	0.277		9.5	
Atrazine	0.179	0.201		12.3	
Pentachlorophenol	0.126	0.150		19.0	20.0
Phenanthrene	1.083	1.190		9.9	
Anthracene	1.111	1.171		5.4	
Carbazole	0.959	1.070		11.6	
Di-n-butylphthalate	0.999	1.304		30.5	
Fluoranthene	1.028	1.225		19.2	20.0
Pyrene	1.875	1.558		-16.9	
Terphenyl-d14	1.447	1.279		-11.6	
Butylbenzylphthalate	0.544	0.670		23.2	
3,3-Dichlorobenzidine	0.438	0.471		7.5	
Benzo(a)anthracene	1.349	1.494		10.7	
Chrysene	1.204	1.301		8.1	
Bis(2-ethylhexyl)phthalate	0.782	1.016		29.9	
Di-n-octyl phthalate	1.475	1.826		23.8	20.0
Benzo(b)fluoranthene	1.157	1.366		18.1	
Benzo(k)fluoranthene	1.083	1.131		4.4	
Benzo(a)pyrene	1.118	1.144		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.533		0.7	
Dibenzo(a,h)anthracene	1.238	1.245		0.6	
Benzo(g,h,i)perylene	1.234	1.274		3.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.700		18.6	
1,4-Dioxane	0.480	0.501		4.4	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.363		11.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	62666	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	217016	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	105351	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	165051	20.000	ng	0.00
76) Chrysene-d12	14.057	240	130450	20.000	ng	0.00
86) Perylene-d12	15.551	264	161869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	328466	87.268	ng	0.00
7) Phenol-d6	6.510	99	375586	84.579	ng	0.00
23) Nitrobenzene-d5	7.445	82	372510	94.152	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91255	84.173	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	757016	94.396	ng	0.00
79) Terphenyl-d14	12.998	244	667218	70.670	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.616	88	62751	41.682	ng	99
3) Pyridine	3.393	79	155870	41.299	ng	98
4) n-Nitrosodimethylamine	3.334	42	81166	41.588	ng	99
6) Aniline	6.539	93	182298	30.853	ng	96
8) 2-Chlorophenol	6.663	128	172698	42.535	ng	99
9) Benzaldehyde	6.428	77	200638	76.157	ng	97
10) Phenol	6.522	94	201697	40.861	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	148747	42.163	ng	97
12) 1,3-Dichlorobenzene	6.822	146	192285	42.346	ng	99
13) 1,4-Dichlorobenzene	6.898	146	191969	41.902	ng	98
14) 1,2-Dichlorobenzene	7.051	146	179627	41.338	ng	99
15) Benzyl Alcohol	7.022	79	133269	41.513	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	228661	40.342	ng	98
17) 2-Methylphenol	7.128	107	122767	39.900	ng	99
18) Hexachloroethane	7.392	117	67123	41.888	ng	95
19) n-Nitroso-di-n-propyla...	7.286	70	101541	39.316	ng	99
20) 3+4-Methylphenols	7.286	107	156461	40.784	ng	91
22) Acetophenone	7.286	105	210366	43.958	ng	99
24) Nitrobenzene	7.463	77	156272	43.639	ng	98
25) Isophorone	7.698	82	244787	38.568	ng	100
26) 2-Nitrophenol	7.781	139	88606	45.422	ng	97
27) 2,4-Dimethylphenol	7.816	122	110534m	32.712	ng	
28) bis(2-Chloroethoxy)met...	7.910	93	171235	42.437	ng	99
29) 2,4-Dichlorophenol	8.022	162	136247	44.470	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	149500	44.376	ng	98
31) Naphthalene	8.186	128	478483	45.044	ng	100
32) Benzoic acid	7.916	122	84983	49.345	ng	95
33) 4-Chloroaniline	8.233	127	157517	36.468	ng	99
34) Hexachlorobutadiene	8.298	225	92637	44.953	ng	98
35) Caprolactam	8.598	113	33107	40.950	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	128828	42.309	ng	99
37) 2-Methylnaphthalene	8.875	142	306467	46.536	ng	100
38) 1-Methylnaphthalene	8.975	142	300675	44.105	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	147474	47.441	ng	99
41) Hexachlorocyclopentadiene	9.028	237	84143	47.699	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	91136	44.992	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

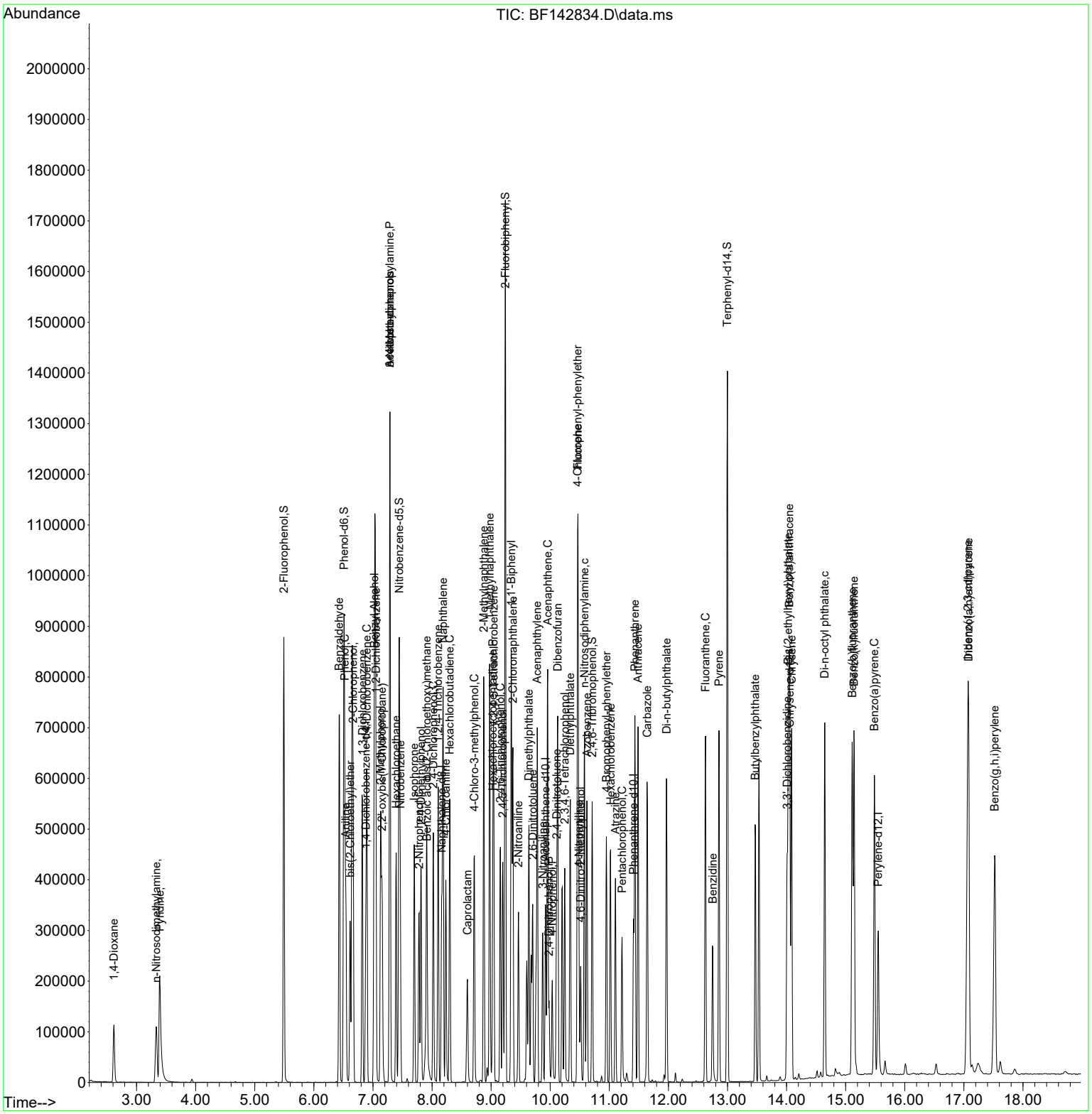
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	95905	44.977	ng	99
46) 1,1'-Biphenyl	9.339	154	376150	45.199	ng	100
47) 2-Chloronaphthalene	9.369	162	276163	44.220	ng	99
48) 2-Nitroaniline	9.463	65	73622	42.049	ng	97
49) Acenaphthylene	9.780	152	424345	41.275	ng	99
50) Dimethylphthalate	9.639	163	295308	43.304	ng	100
51) 2,6-Dinitrotoluene	9.704	165	65017	43.414	ng	96
52) Acenaphthene	9.957	154	281768	44.920	ng	98
53) 3-Nitroaniline	9.875	138	67550	40.967	ng	98
54) 2,4-Dinitrophenol	9.980	184	33619	44.832	ng	95
55) Dibenzofuran	10.127	168	402477	44.746	ng	99
56) 4-Nitrophenol	10.033	139	47821	42.364	ng	99
57) 2,4-Dinitrotoluene	10.110	165	82849	41.648	ng	99
58) Fluorene	10.469	166	302042	42.997	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	76414	44.458	ng	96
60) Diethylphthalate	10.339	149	298902	44.703	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	145019	43.262	ng	99
62) 4-Nitroaniline	10.486	138	64702	42.905	ng	97
63) Azobenzene	10.622	77	259329	43.395	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	44027	44.100	ng	97
66) n-Nitrosodiphenylamine	10.580	169	250374	43.770	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	85430	45.479	ng	97
68) Hexachlorobenzene	11.022	284	91443	43.810	ng	98
69) Atrazine	11.104	200	66356	44.922	ng	99
70) Pentachlorophenol	11.216	266	49461	47.555	ng	98
71) Phenanthrene	11.433	178	392851	43.939	ng	100
72) Anthracene	11.486	178	386458	42.146	ng	100
73) Carbazole	11.639	167	353066	44.618	ng	100
74) Di-n-butylphthalate	11.969	149	430341	52.204	ng	100
75) Fluoranthene	12.627	202	404373	47.656	ng	99
77) Benzidine	12.751	184	165421	33.751	ng	99
78) Pyrene	12.857	202	406353	33.232	ng	99
80) Butylbenzylphthalate	13.468	149	174834	49.292	ng	100
81) Benzo(a)anthracene	14.045	228	389721	44.285	ng	100
82) 3,3'-Dichlorobenzidine	14.010	252	123008	43.094	ng	99
83) Chrysene	14.086	228	339500	43.234	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	265043	51.937	ng	99
85) Di-n-octyl phthalate	14.645	149	476363	49.504	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	496379	40.260	ng	99
88) Benzo(b)fluoranthene	15.109	252	442080	47.198	ng	100
89) Benzo(k)fluoranthene	15.139	252	366193	41.788	ng	99
90) Benzo(a)pyrene	15.486	252	370504	40.946	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	402958	40.224	ng	98
92) Benzo(g,h,i)perylene	17.521	276	412382	41.282	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	75	0.00
2		1,4-Dioxane	0.480	0.501	-4.4	81	-0.02
3		Pyridine	1.205	1.244	-3.2	80	-0.02
4		n-Nitrosodimethylamine	0.623	0.648	-4.0	81	-0.02
5	S	2-Fluorophenol	1.201	1.310	-9.1	85	0.00
6		Aniline	1.886	1.455	22.9	60	0.00
7	S	Phenol-d6	1.417	1.498	-5.7	84	0.00
8		2-Chlorophenol	1.296	1.378	-6.3	83	0.00
9		Benzaldehyde	0.841	1.601	-90.4#	158#	0.00
10	C	Phenol	1.575	1.609	-2.2	79	0.00
11		bis(2-Chloroethyl)ether	1.126	1.187	-5.4	83	0.00
12		1,3-Dichlorobenzene	1.449	1.534	-5.9	83	0.00
13	C	1,4-Dichlorobenzene	1.462	1.532	-4.8	81	0.00
14		1,2-Dichlorobenzene	1.387	1.433	-3.3	81	0.00
15		Benzyl Alcohol	1.025	1.063	-3.7	82	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.824	-0.8	79	0.00
17		2-Methylphenol	0.982	0.980	0.2	78	0.00
18		Hexachloroethane	0.511	0.536	-4.9	80	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.810	1.7	77	0.00
20		3+4-Methylphenols	1.224	1.248	-2.0	79	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	69	0.00
22		Acetophenone	0.441	0.485	-10.0	80	0.00
23	S	Nitrobenzene-d5	0.365	0.429	-17.5	84	0.00
24		Nitrobenzene	0.330	0.360	-9.1	78	0.00
25		Isophorone	0.585	0.564	3.6	70	0.00
26	C	2-Nitrophenol	0.180	0.204	-13.3	79	0.00
27		2,4-Dimethylphenol	0.311	0.255	18.0	59	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.395	-6.2	77	0.00
29	C	2,4-Dichlorophenol	0.282	0.314	-11.3	80	0.00
30		1,2,4-Trichlorobenzene	0.310	0.344	-11.0	80	0.00
31		Naphthalene	0.979	1.102	-12.6	82	0.00
32		Benzoic acid	0.159	0.196	-23.3	87	0.00
33		4-Chloroaniline	0.398	0.363	8.8	66	0.00
34	C	Hexachlorobutadiene	0.190	0.213	-12.1	80	0.00
35		Caprolactam	0.075	0.076	-1.3	74	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.297	-5.7	77	0.00
37		2-Methylnaphthalene	0.607	0.706	-16.3	84	0.00
38		1-Methylnaphthalene	0.628	0.693	-10.4	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.700	-18.6	82	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.399	-19.1	77	0.00
42	S	2,4,6-Tribromophenol	0.206	0.217	-5.3	70	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.433	-12.5	77	0.00
44		2,4,5-Trichlorophenol	0.405	0.455	-12.3	76	0.00
45	S	2-Fluorobiphenyl	1.522	1.796	-18.0	82	0.00
46		1,1'-Biphenyl	1.580	1.785	-13.0	77	0.00
47		2-Chloronaphthalene	1.186	1.311	-10.5	76	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	0.332	0.349	-5.1	70	0.00
49		Acenaphthylene	1.952	2.014	-3.2	70	0.00
50		Dimethylphthalate	1.295	1.402	-8.3	74	0.00
51		2,6-Dinitrotoluene	0.284	0.309	-8.8	72	0.00
52	C	Acenaphthene	1.191	1.337	-12.3	76	0.00
53		3-Nitroaniline	0.313	0.321	-2.6	69	0.00
54	P	2,4-Dinitrophenol	0.142	0.160	-12.7	73	0.00
55		Dibenzofuran	1.708	1.910	-11.8	76	0.00
56	P	4-Nitrophenol	0.214	0.227	-6.1	71	0.00
57		2,4-Dinitrotoluene	0.378	0.393	-4.0	70	0.00
58		Fluorene	1.334	1.434	-7.5	74	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.363	-11.3	76	0.00
60		Diethylphthalate	1.269	1.419	-11.8	76	0.00
61		4-Chlorophenyl-phenylether	0.636	0.688	-8.2	75	0.00
62		4-Nitroaniline	0.286	0.307	-7.3	73	0.00
63		Azobenzene	1.134	1.231	-8.6	74	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.133	-9.9	70	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.758	-9.4	71	0.00
67		4-Bromophenyl-phenylether	0.228	0.259	-13.6	74	0.00
68		Hexachlorobenzene	0.253	0.277	-9.5	72	0.00
69		Atrazine	0.179	0.201	-12.3	73	0.00
70	C	Pentachlorophenol	0.126	0.150	-19.0	75	0.00
71		Phenanthrene	1.083	1.190	-9.9	72	0.00
72		Anthracene	1.111	1.171	-5.4	69	0.00
73		Carbazole	0.959	1.070	-11.6	75	0.00
74		Di-n-butylphthalate	0.999	1.304	-30.5#	86	0.00
75	C	Fluoranthene	1.028	1.225	-19.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.751	0.634	15.6	75	0.00
78		Pyrene	1.875	1.558	16.9	82	0.00
79	S	Terphenyl-d14	1.447	1.279	11.6	88	0.00
80		Butylbenzylphthalate	0.544	0.670	-23.2	112	0.00
81		Benzo(a)anthracene	1.349	1.494	-10.7	108	0.00
82		3,3'-Dichlorobenzidine	0.438	0.471	-7.5	101	0.00
83		Chrysene	1.204	1.301	-8.1	102	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	1.016	-29.9#	116	0.00
85	c	Di-n-octyl phthalate	1.475	1.826	-23.8#	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.533	-0.7	99	0.00
88		Benzo(b)fluoranthene	1.157	1.366	-18.1	121	0.00
89		Benzo(k)fluoranthene	1.083	1.131	-4.4	104	0.00
90	C	Benzo(a)pyrene	1.118	1.144	-2.3	102	0.00
91		Dibenzo(a,h)anthracene	1.238	1.245	-0.6	100	0.00
92		Benzo(g,h,i)perylene	1.234	1.274	-3.2	102	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	75	0.00
2		1,4-Dioxane	40.000	41.682	-4.2	81	-0.02
3		Pyridine	40.000	41.299	-3.2	80	-0.02
4		n-Nitrosodimethylamine	40.000	41.588	-4.0	81	-0.02
5	S	2-Fluorophenol	80.000	87.268	-9.1	85	0.00
6		Aniline	40.000	30.853	22.9	60	0.00
7	S	Phenol-d6	80.000	84.579	-5.7	84	0.00
8		2-Chlorophenol	40.000	42.535	-6.3	83	0.00
9		Benzaldehyde	40.000	76.157	-90.4#	158	0.00
10	C	Phenol	40.000	40.861	-2.2	79	0.00
11		bis(2-Chloroethyl)ether	40.000	42.163	-5.4	83	0.00
12		1,3-Dichlorobenzene	40.000	42.346	-5.9	83	0.00
13	C	1,4-Dichlorobenzene	40.000	41.902	-4.8	81	0.00
14		1,2-Dichlorobenzene	40.000	41.338	-3.3	81	0.00
15		Benzyl Alcohol	40.000	41.513	-3.8	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.342	-0.9	79	0.00
17		2-Methylphenol	40.000	39.900	0.3	78	0.00
18		Hexachloroethane	40.000	41.888	-4.7	80	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.316	1.7	77	0.00
20		3+4-Methylphenols	40.000	40.784	-2.0	79	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	69	0.00
22		Acetophenone	40.000	43.958	-9.9	80	0.00
23	S	Nitrobenzene-d5	80.000	94.152	-17.7	84	0.00
24		Nitrobenzene	40.000	43.639	-9.1	78	0.00
25		Isophorone	40.000	38.568	3.6	70	0.00
26	C	2-Nitrophenol	40.000	45.422	-13.6	79	0.00
27		2,4-Dimethylphenol	40.000	32.712	18.2	59	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.437	-6.1	77	0.00
29	C	2,4-Dichlorophenol	40.000	44.470	-11.2	80	0.00
30		1,2,4-Trichlorobenzene	40.000	44.376	-10.9	80	0.00
31		Naphthalene	40.000	45.044	-12.6	82	0.00
32		Benzoic acid	40.000	49.345	-23.4	87	0.00
33		4-Chloroaniline	40.000	36.468	8.8	66	0.00
34	C	Hexachlorobutadiene	40.000	44.953	-12.4	80	0.00
35		Caprolactam	40.000	40.950	-2.4	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.309	-5.8	77	0.00
37		2-Methylnaphthalene	40.000	46.536	-16.3	84	0.00
38		1-Methylnaphthalene	40.000	44.105	-10.3	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	47.441	-18.6	82	0.00
41	P	Hexachlorocyclopentadiene	40.000	47.699	-19.2	77	0.00
42	S	2,4,6-Tribromophenol	80.000	84.173	-5.2	70	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.992	-12.5	77	0.00
44		2,4,5-Trichlorophenol	40.000	44.977	-12.4	76	0.00
45	S	2-Fluorobiphenyl	80.000	94.396	-18.0	82	0.00
46		1,1'-Biphenyl	40.000	45.199	-13.0	77	0.00
47		2-Chloronaphthalene	40.000	44.220	-10.5	76	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
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	42.049	-5.1	70	0.00
49		Acenaphthylene	40.000	41.275	-3.2	70	0.00
50		Dimethylphthalate	40.000	43.304	-8.3	74	0.00
51		2,6-Dinitrotoluene	40.000	43.414	-8.5	72	0.00
52	C	Acenaphthene	40.000	44.920	-12.3	76	0.00
53		3-Nitroaniline	40.000	40.967	-2.4	69	0.00
54	P	2,4-Dinitrophenol	40.000	44.832	-12.1	73	0.00
55		Dibenzofuran	40.000	44.746	-11.9	76	0.00
56	P	4-Nitrophenol	40.000	42.364	-5.9	71	0.00
57		2,4-Dinitrotoluene	40.000	41.648	-4.1	70	0.00
58		Fluorene	40.000	42.997	-7.5	74	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.458	-11.1	76	0.00
60		Diethylphthalate	40.000	44.703	-11.8	76	0.00
61		4-Chlorophenyl-phenylether	40.000	43.262	-8.2	75	0.00
62		4-Nitroaniline	40.000	42.905	-7.3	73	0.00
63		Azobenzene	40.000	43.395	-8.5	74	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.100	-10.3	70	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.770	-9.4	71	0.00
67		4-Bromophenyl-phenylether	40.000	45.479	-13.7	74	0.00
68		Hexachlorobenzene	40.000	43.810	-9.5	72	0.00
69		Atrazine	40.000	44.922	-12.3	73	0.00
70	C	Pentachlorophenol	40.000	47.555	-18.9	75	0.00
71		Phenanthrene	40.000	43.939	-9.8	72	0.00
72		Anthracene	40.000	42.146	-5.4	69	0.00
73		Carbazole	40.000	44.618	-11.5	75	0.00
74		Di-n-butylphthalate	40.000	52.204	-30.5#	86	0.00
75	C	Fluoranthene	40.000	47.656	-19.1	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	33.751	15.6	75	0.00
78		Pyrene	40.000	33.232	16.9	82	0.00
79	S	Terphenyl-d14	80.000	70.670	11.7	88	0.00
80		Butylbenzylphthalate	40.000	49.292	-23.2	112	0.00
81		Benzo(a)anthracene	40.000	44.285	-10.7	108	0.00
82		3,3'-Dichlorobenzidine	40.000	43.094	-7.7	101	0.00
83		Chrysene	40.000	43.234	-8.1	102	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	51.937	-29.8#	116	0.00
85	c	Di-n-octyl phthalate	40.000	49.504	-23.8#	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.260	-0.6	99	0.00
88		Benzo(b)fluoranthene	40.000	47.198	-18.0	121	0.00
89		Benzo(k)fluoranthene	40.000	41.788	-4.5	104	0.00
90	C	Benzo(a)pyrene	40.000	40.946	-2.4	102	0.00
91		Dibenzo(a,h)anthracene	40.000	40.224	-0.6	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.282	-3.2	102	0.00

Sample Results: **BF142834.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142834.D
Acq On : 25 Jun 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 25 14:10:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

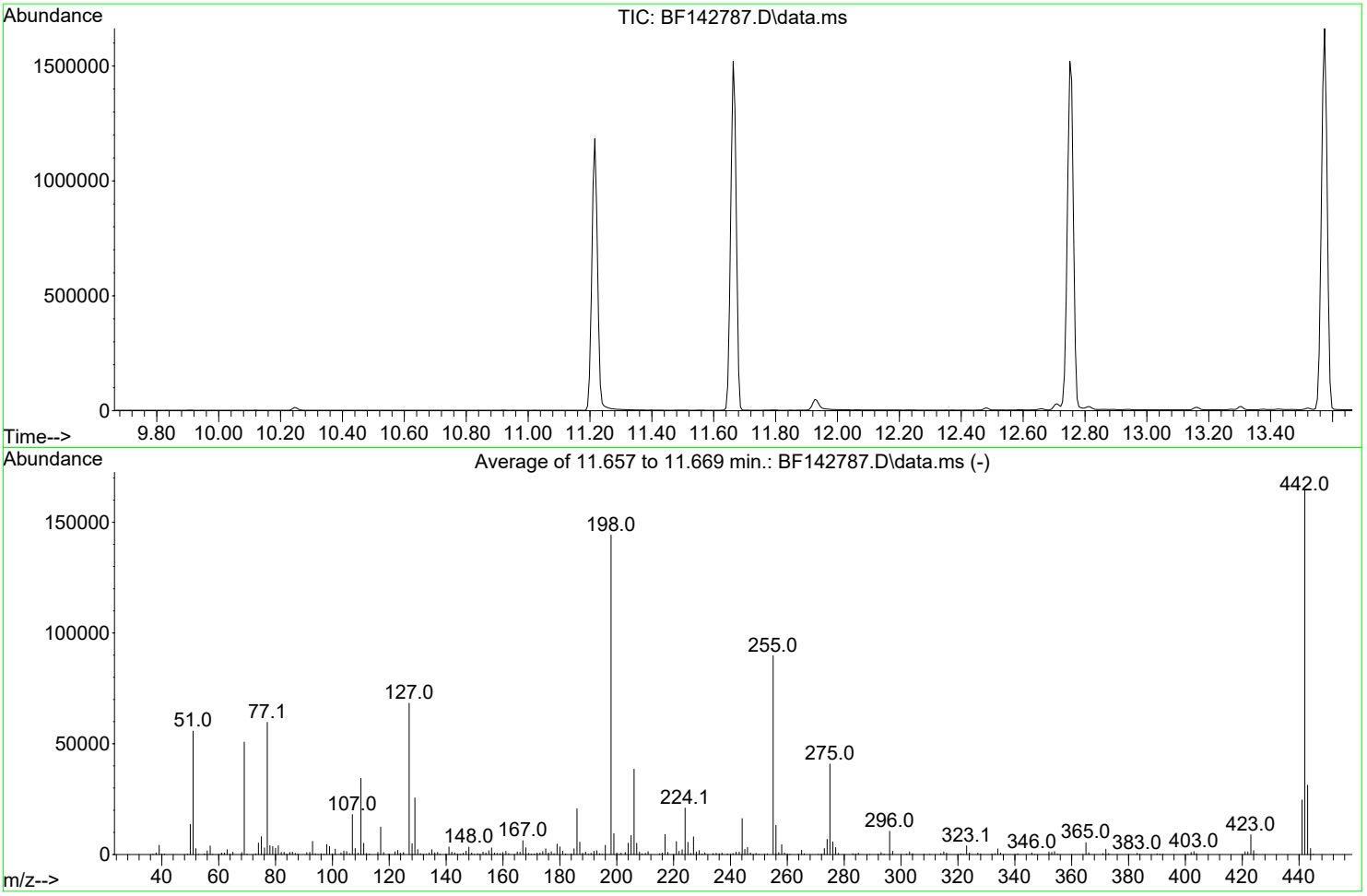
Sample Results: **BF142787.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	926	PASS
69	69	100	100	100.0	50712	PASS
70	69	0.00	2	0.5	243	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.6	9464	PASS
365	198	1	100	3.7	5372	PASS
441	443	0.01	150	78.8	24649	PASS
442	442	100	100	100.0	164283	PASS
443	442	15	24	19.1	31296	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/19/2025	BNA_F	BF142787.D
Compound Name	**Response**	**Retention Time**
DDT	429715	13.574
DDD	7712	13.304
DDE	717	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8429	438144	1.92

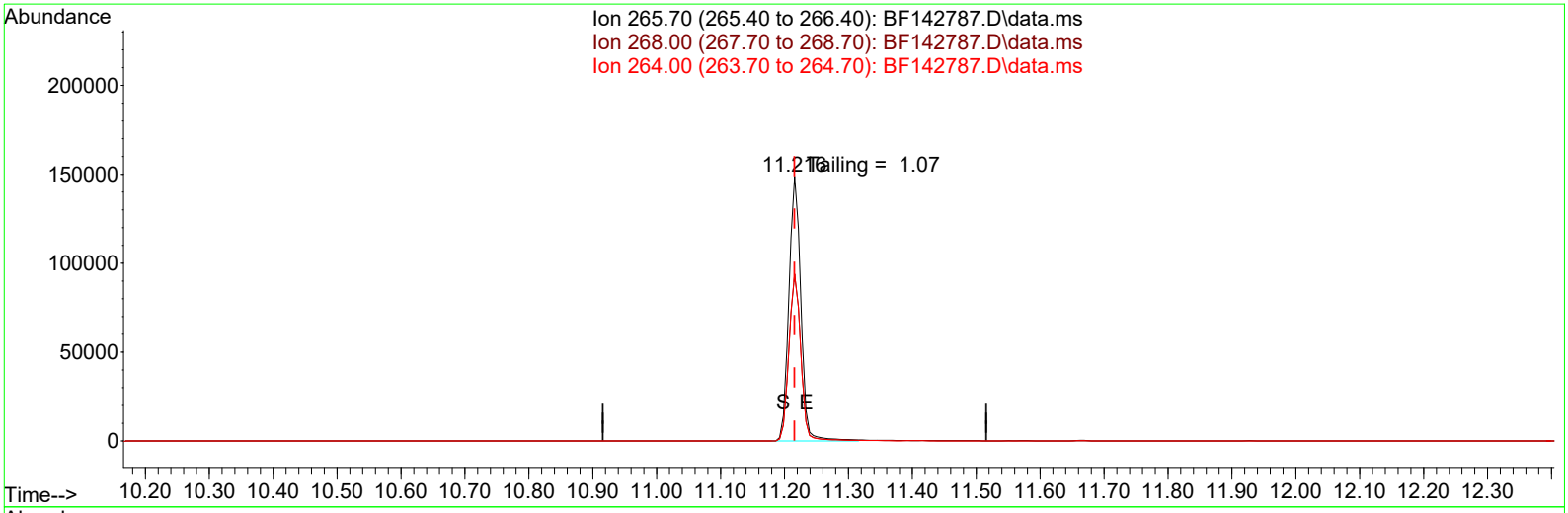
Instrument :
BNA_F
ClientSampleId :
DFTPP

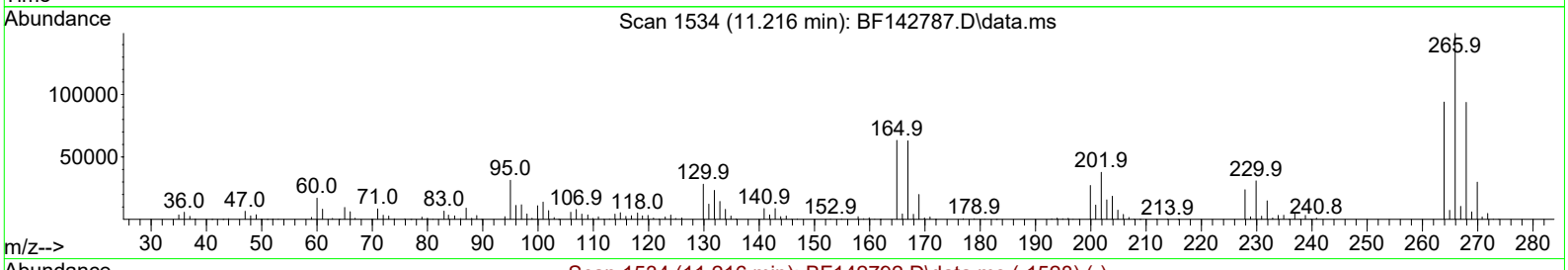
Sample Results: **BF142787.D**

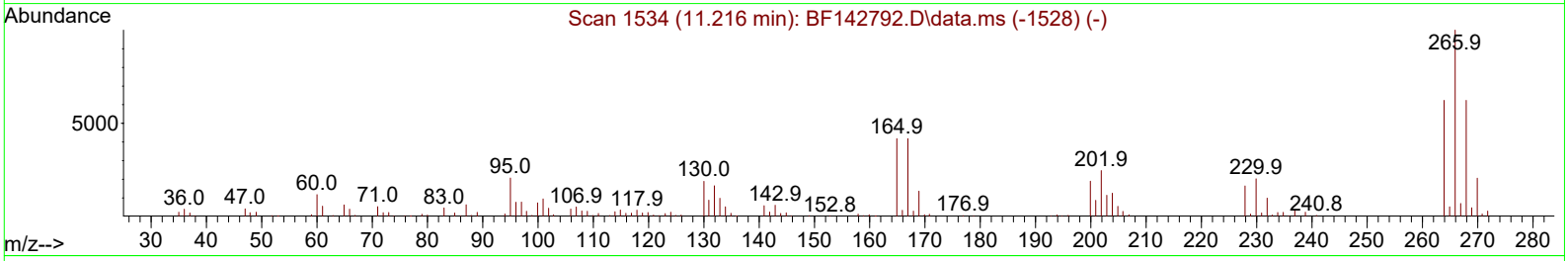
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 37164.56 ng

response 195787

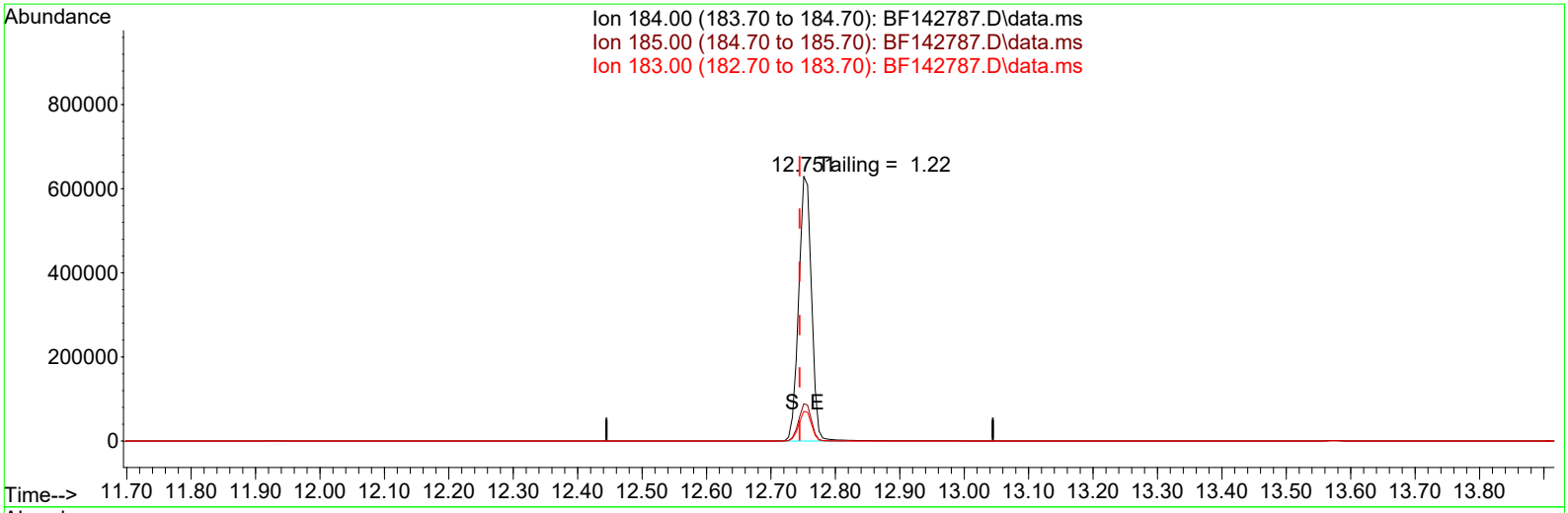
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.94
264.00	62.40	63.12
0.00	0.00	0.00

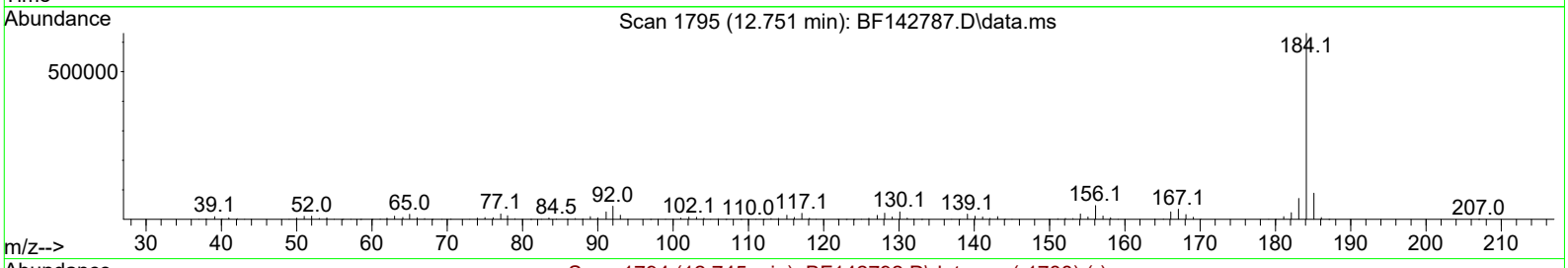
Sample Results: **BF142787.D**

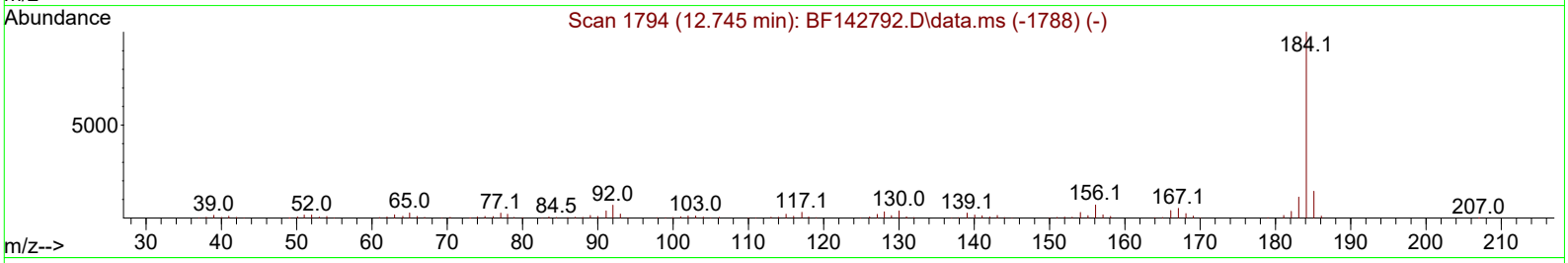
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 20 05:38:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 05:06:14 2025
Response via : Initial Calibration







TIC: BF142787.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 874127

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.11
183.00	11.20	11.25
0.00	0.00	0.00

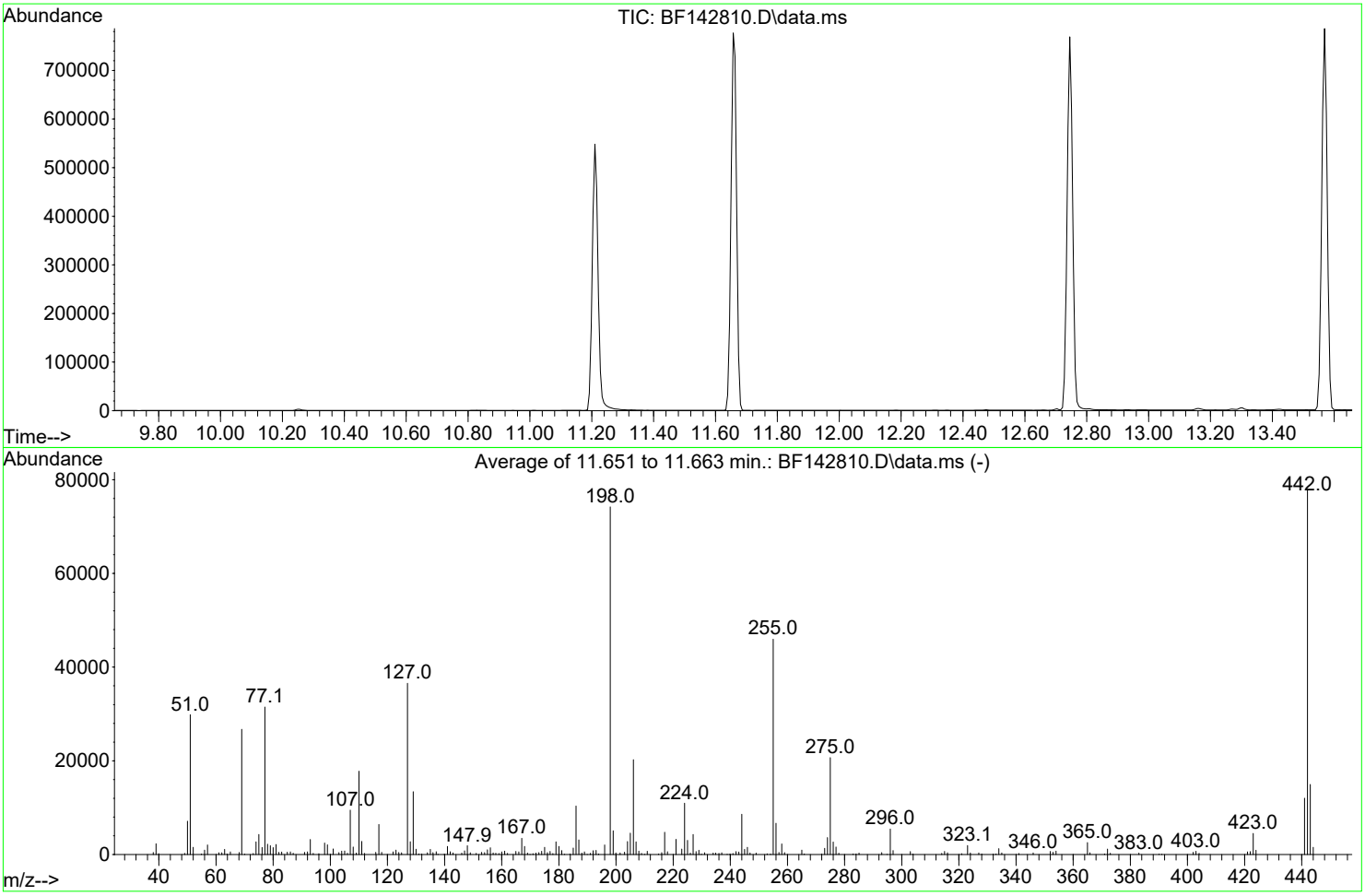
Sample Results: **BF142810.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 2025 09:46
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1608, 1609, 1610; Background Corrected with Scan 1602

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	459	PASS
69	69	100	100	100.0	26725	PASS
70	69	0.00	2	0.4	109	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	74195	PASS
199	198	5	9	6.8	5079	PASS
365	198	1	100	3.5	2567	PASS
441	443	0.01	150	80.4	12014	PASS
442	442	100	100	100.0	77685	PASS
443	442	15	24	19.2	14940	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/24/2025	BNA_F	BF142810.D
Compound Name	**Response**	**Retention Time**
DDT	200766	13.569
DDD	2580	13.298
DDE	274	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2854	203620	1.40

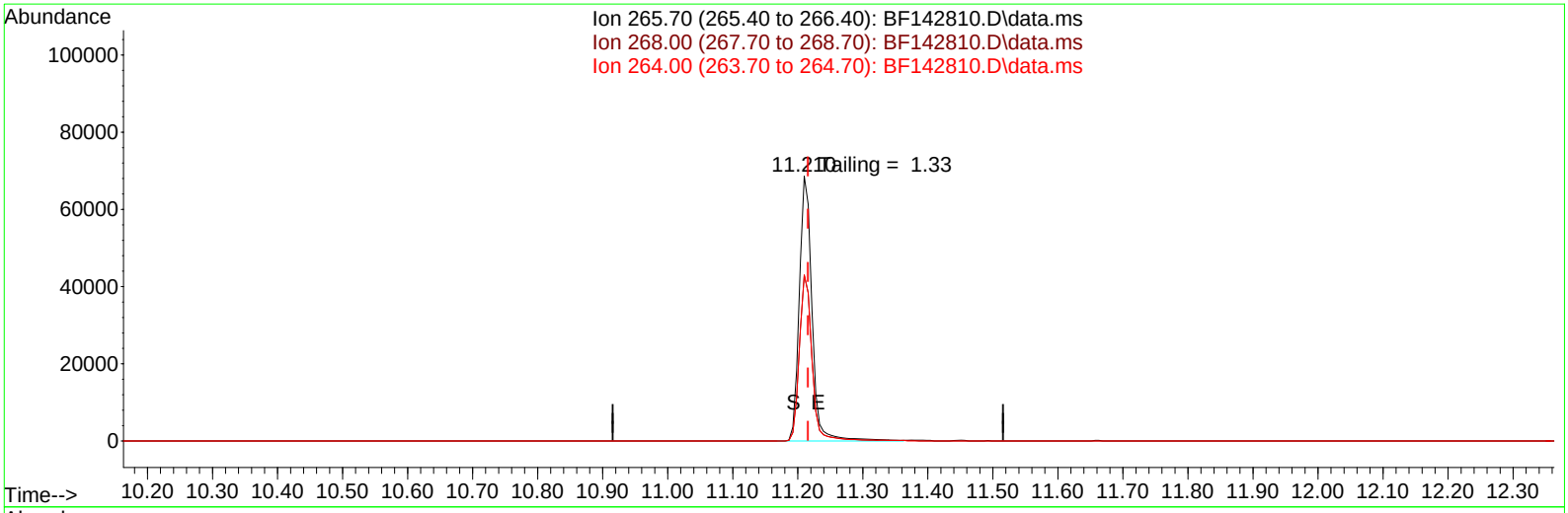
Instrument :
BNA_F
ClientSampleId :
DFTPP

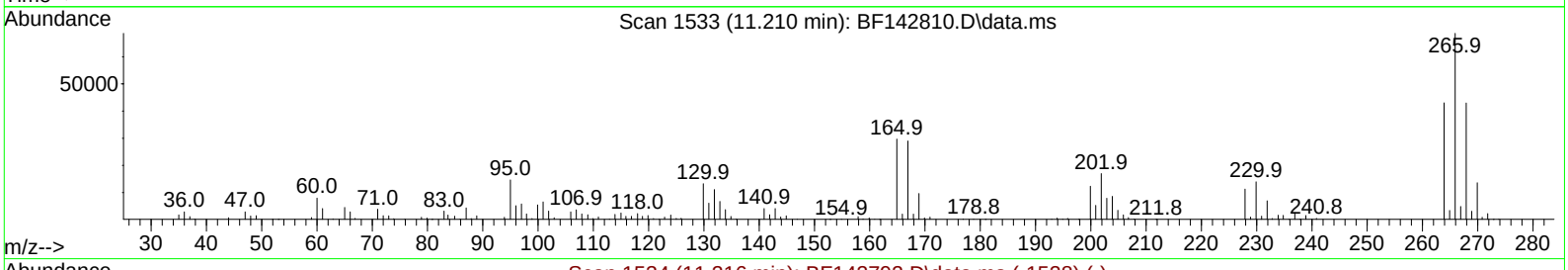
Sample Results: **BF142810.D**

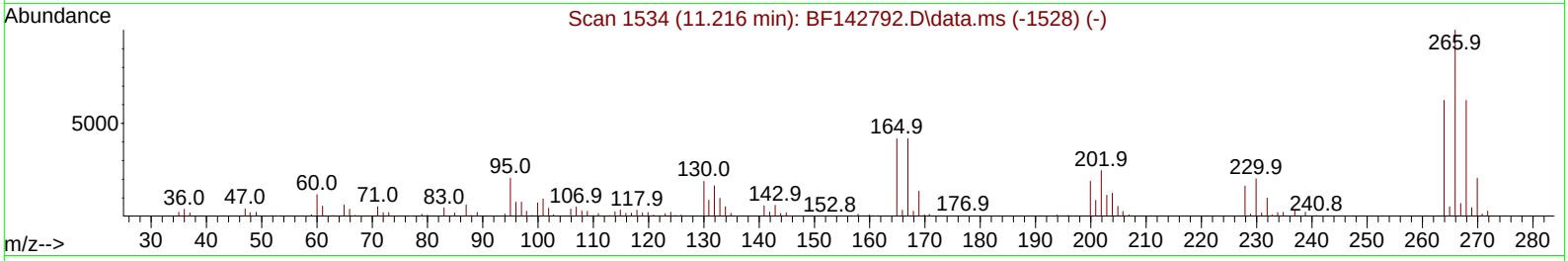
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 24 12:45:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142810.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.006) 37936.00 ng

response 93471

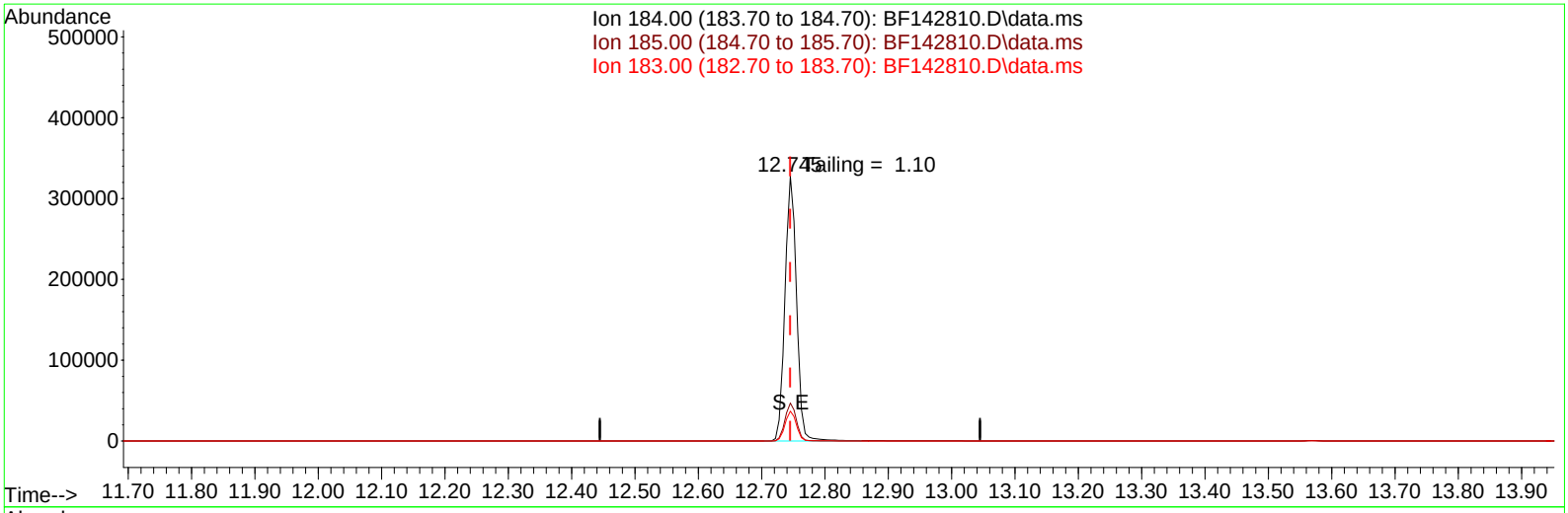
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.64
264.00	62.40	62.71
0.00	0.00	0.00

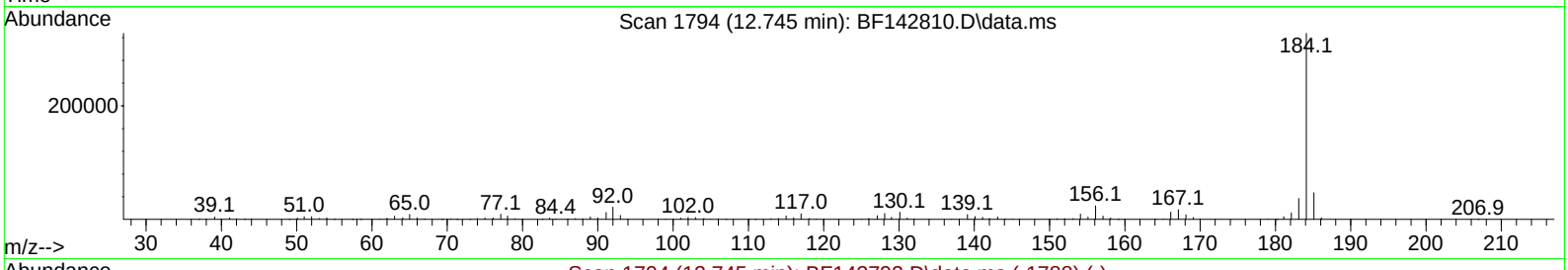
Sample Results: **BF142810.D**

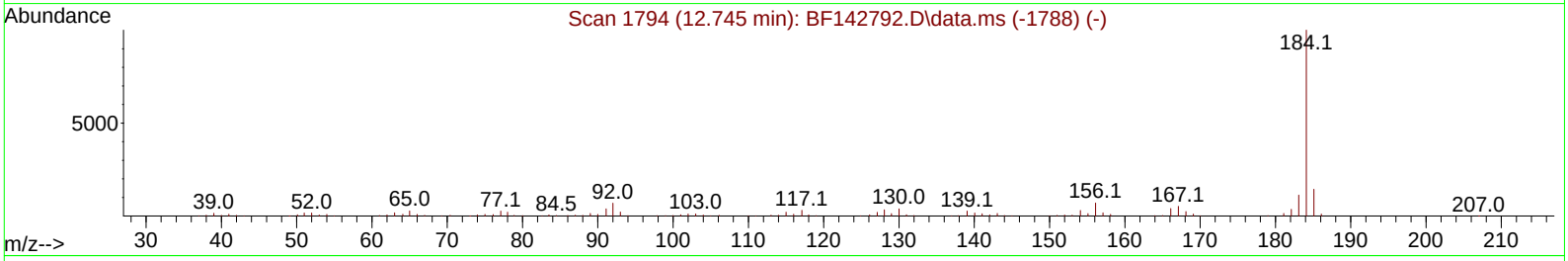
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
Data File : BF142810.D
Acq On : 24 Jun 2025 09:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 24 12:45:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142810.D\data.ms

(77) Benzidine

12.745min (+ 0.000) 0.00 ng

response 419228

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.33
183.00	11.20	11.26
0.00	0.00	0.00

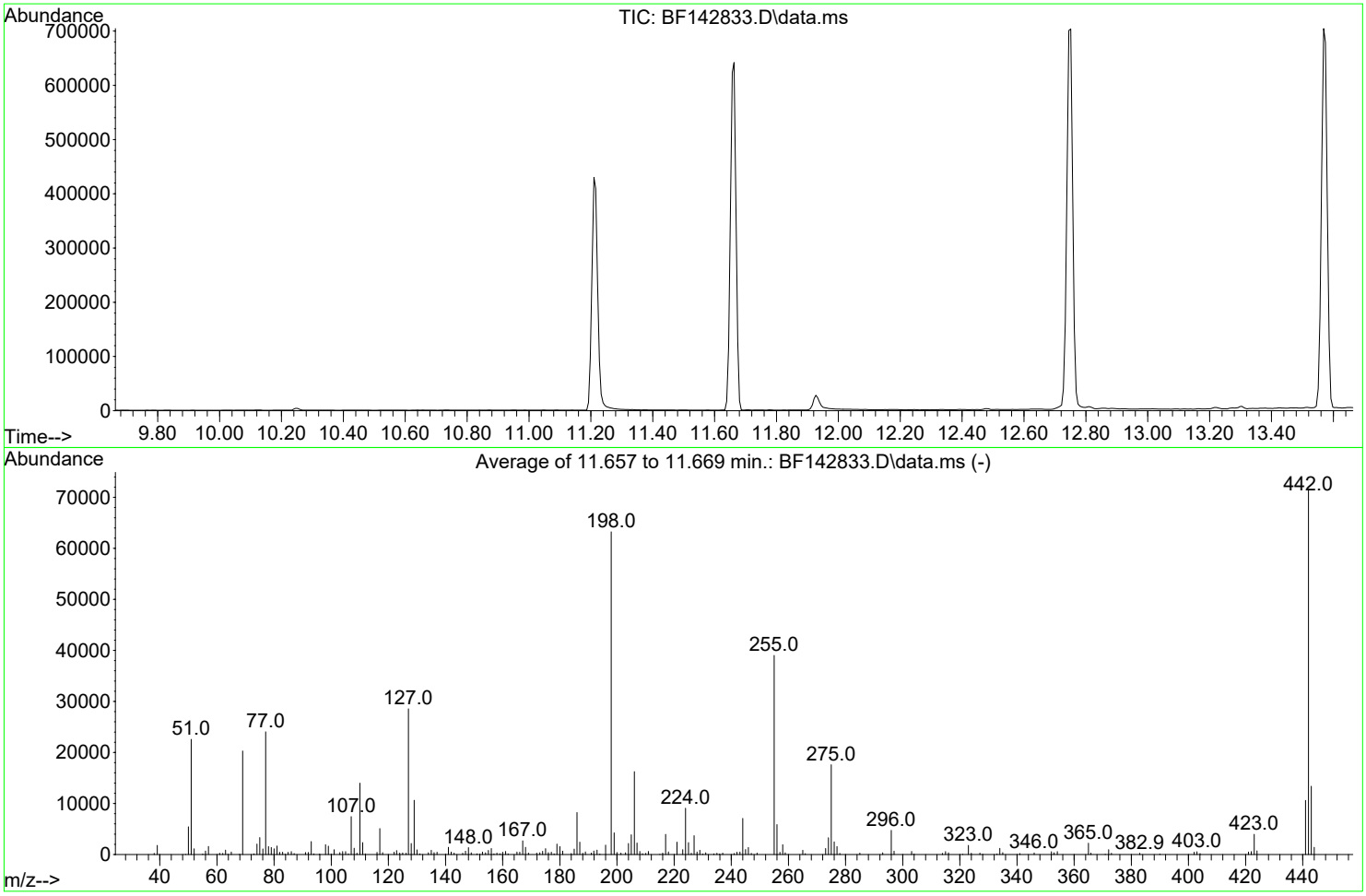
Sample Results: **BF142833.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
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-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jun 24 05:28:21 2025



AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.4	72	PASS
69	69	100	100	100.0	20307	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	63235	PASS
199	198	5	9	6.7	4266	PASS
365	198	1	100	3.5	2228	PASS
441	443	0.01	150	79.2	10603	PASS
442	442	100	100	100.0	71325	PASS
443	442	15	24	18.8	13383	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/25/2025	BNA_F	BF142833.D
Compound Name	**Response**	**Retention Time**
DDT	182439	13.574
DDD	2979	13.304
DDE	207	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3186	185625	1.72

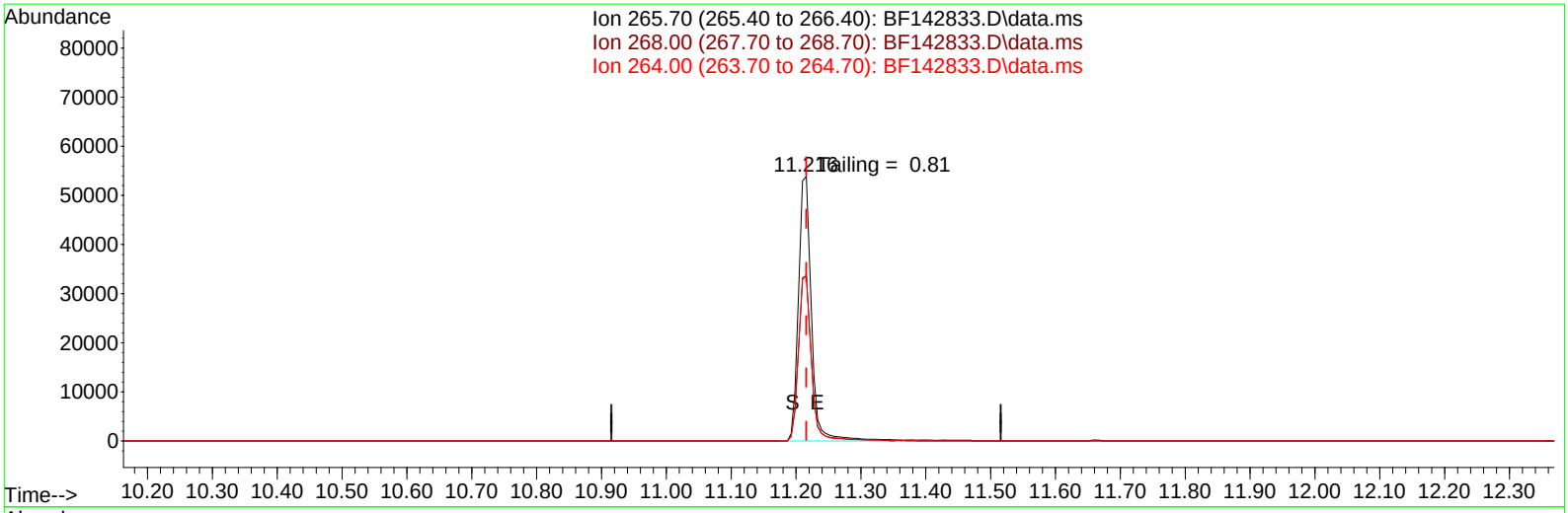
Instrument :
BNA_F
ClientSampleId :
DFTPP

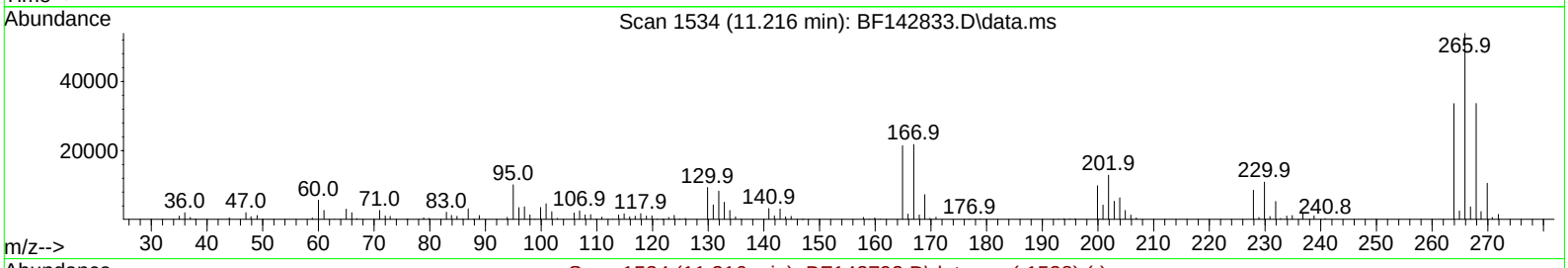
Sample Results: **BF142833.D**

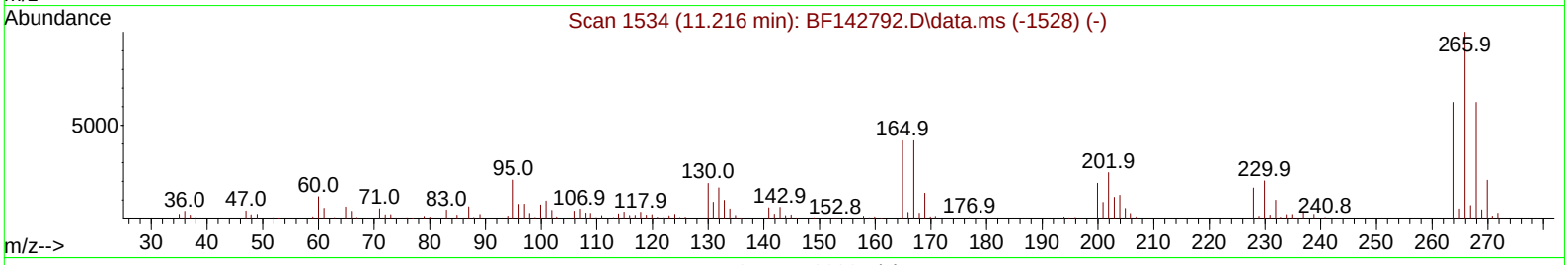
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142833.D\data.ms

(70) Pentachlorophenol (C)

11.216min (+ 0.000) 32756.87 ng

response 75756

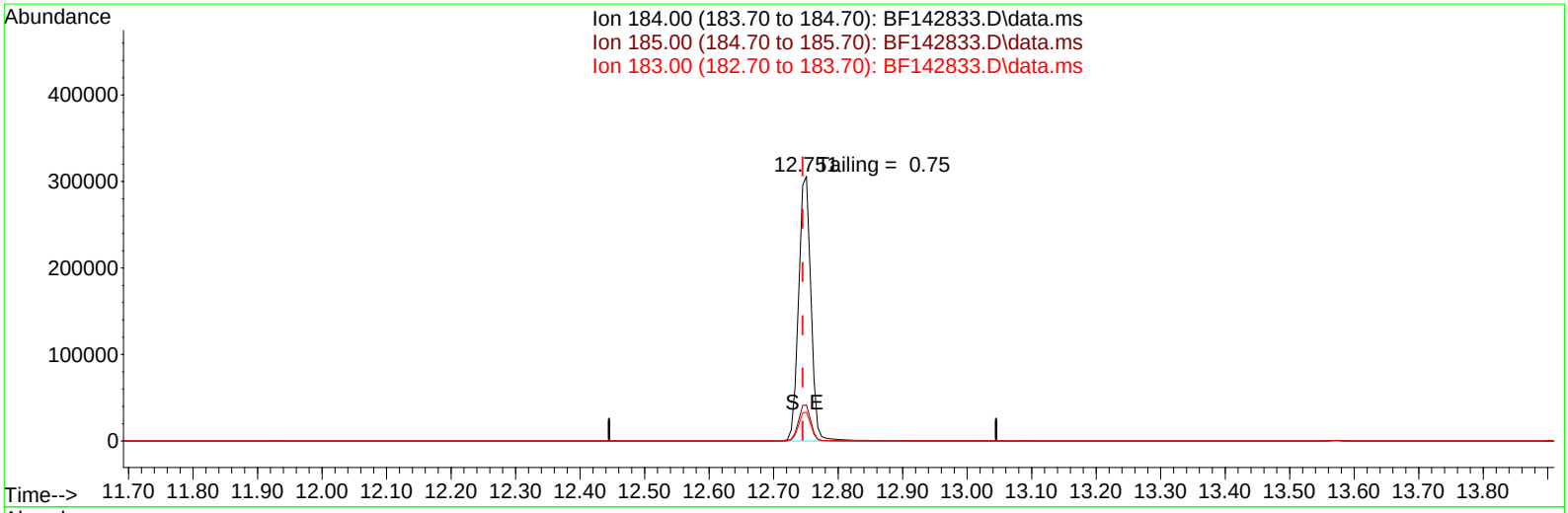
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.42
264.00	62.40	62.36
0.00	0.00	0.00

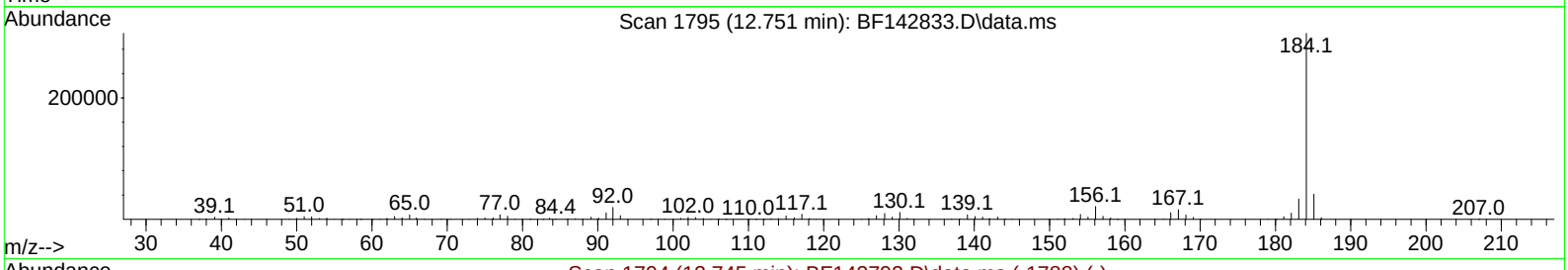
Sample Results: **BF142833.D**

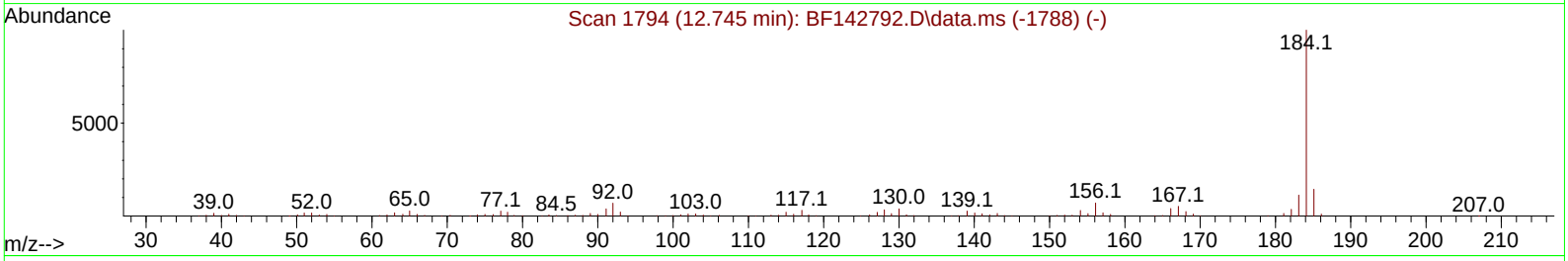
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142833.D
Acq On : 25 Jun 2025 12:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 25 13:51:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration







TIC: BF142833.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 410200

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.59
183.00	11.20	10.93
0.00	0.00	0.00

Raw Data: **BF142838.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Thomas McGoven	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2392
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Raw Data: **BF142838.D**

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

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Thomas McGoven			Date Received:	
Client Sample ID:	PB168601BL			SDG No.:	Q2392
Lab Sample ID:	PB168601BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Raw Data: **BF142838.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Thomas McGoven	Date Received:	
Client Sample ID:	PB168601BL	SDG No.:	Q2392
Lab Sample ID:	PB168601BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	125		18 - 112	83%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.3		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		10 - 116	86%	SPK: 150
1718-51-0	Terphenyl-d14	72.4		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	81400	6.875			
1146-65-2	Naphthalene-d8	310000	8.157			
15067-26-2	Acenaphthene-d10	163000	9.916			
1517-22-2	Phenanthrene-d10	284000	11.404			
1719-03-5	Chrysene-d12	174000	14.051			
1520-96-3	Perylene-d12	179000	15.539			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A		5.11	ug/Kg

Raw Data: **BF142838.D**

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

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Thomas McGoven			Date Received:	
Client Sample ID:	PB168601BL			SDG No.:	Q2392
Lab Sample ID:	PB168601BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142838.D	1	06/24/25 13:00	06/25/25 15:26	PB168601

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

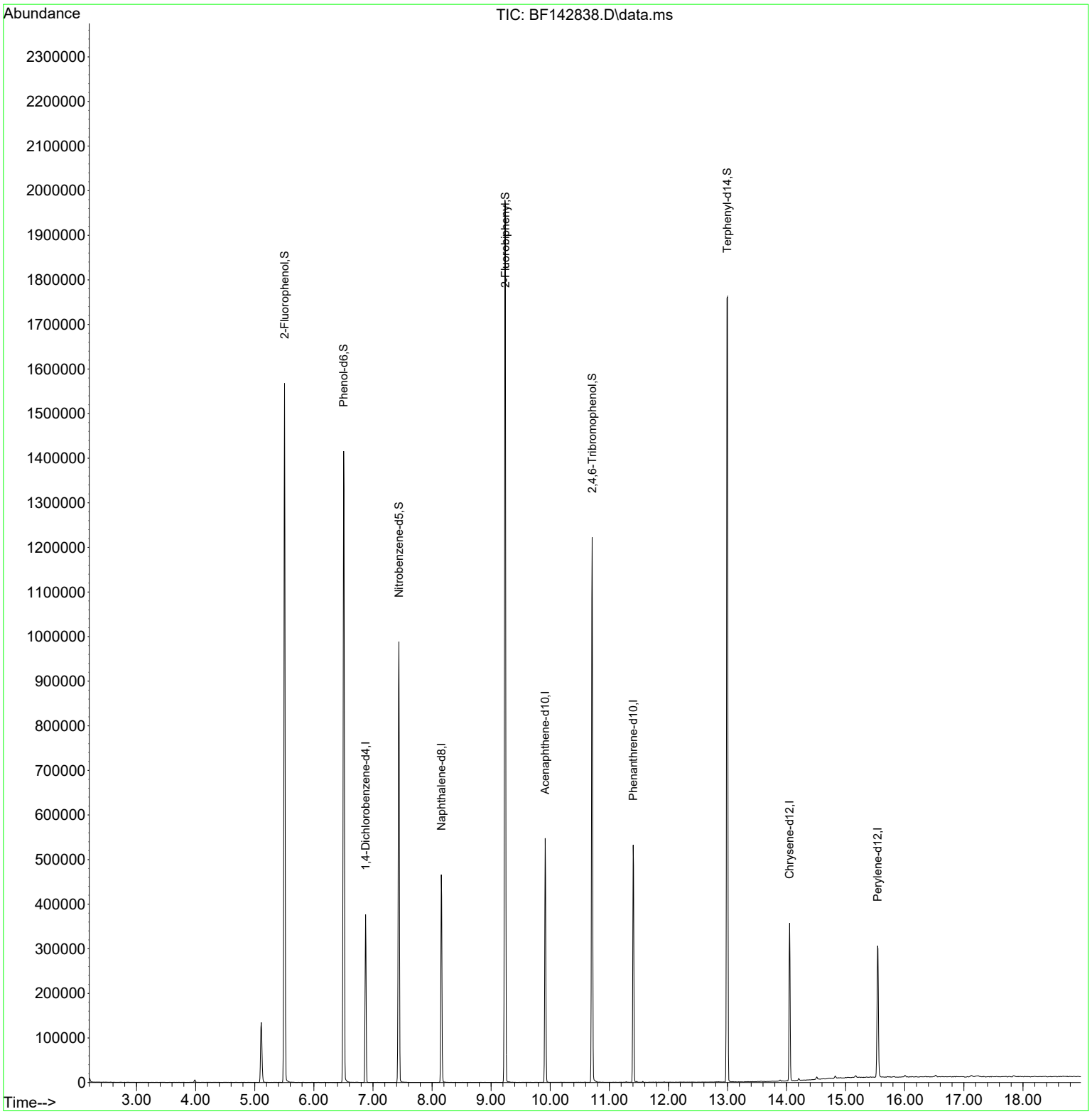
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	81390	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	310420	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	163008	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	283770	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173595	20.000	ng	0.00
86) Perylene-d12	15.539	264	178625	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	609610	124.703	ng	0.01
7) Phenol-d6	6.504	99	704216	122.101	ng	0.00
23) Nitrobenzene-d5	7.439	82	448695	79.284	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	216788	129.236	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	968980	78.090	ng	0.00
79) Terphenyl-d14	12.998	244	909178	72.365	ng	0.00
Target Compounds						Qvalue

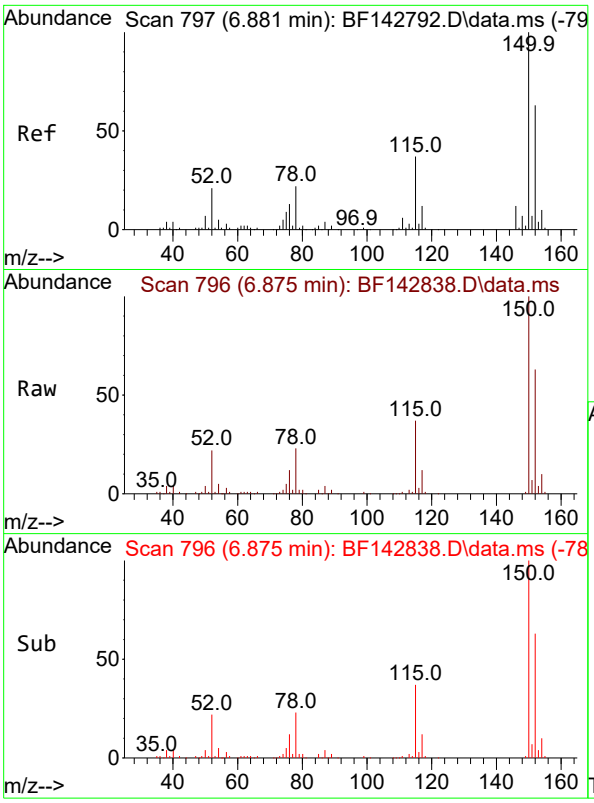
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Time: Jun 25 15:48:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



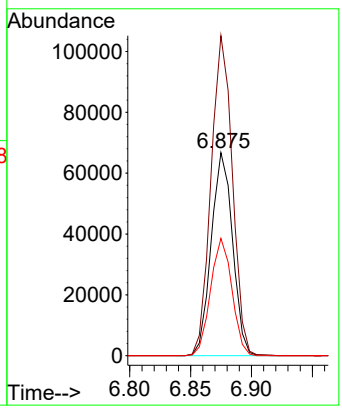


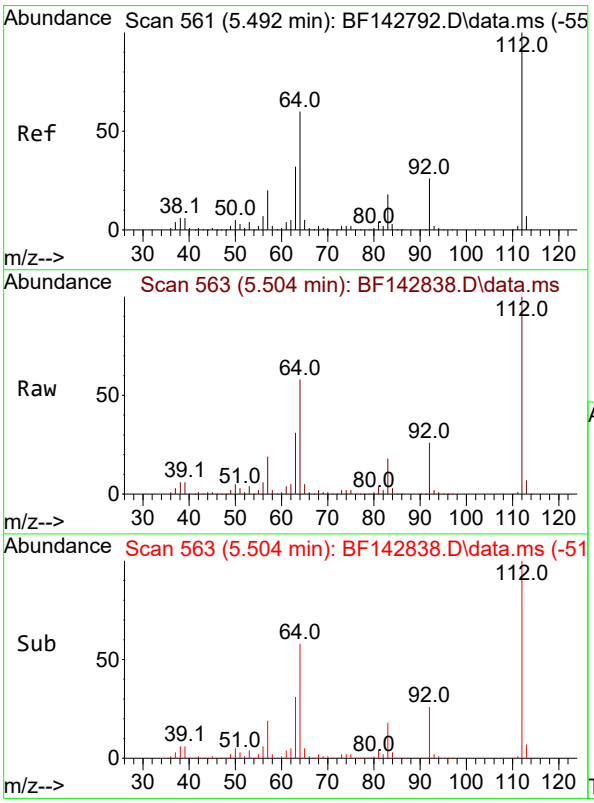
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:152 Resp: 81390

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.2	190.8
115	57.8	46.6	69.8

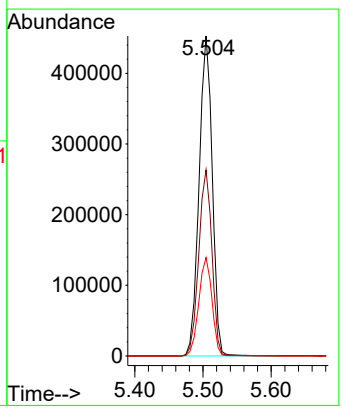


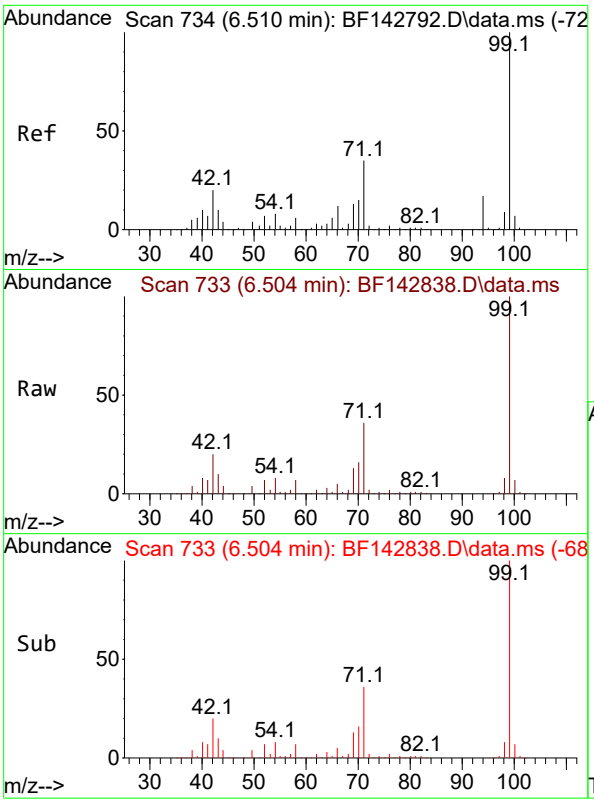


#5
2-Fluorophenol
Concen: 124.703 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:112 Resp: 609610

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	30.8	25.7	38.5



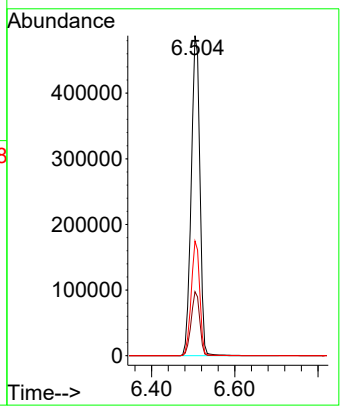


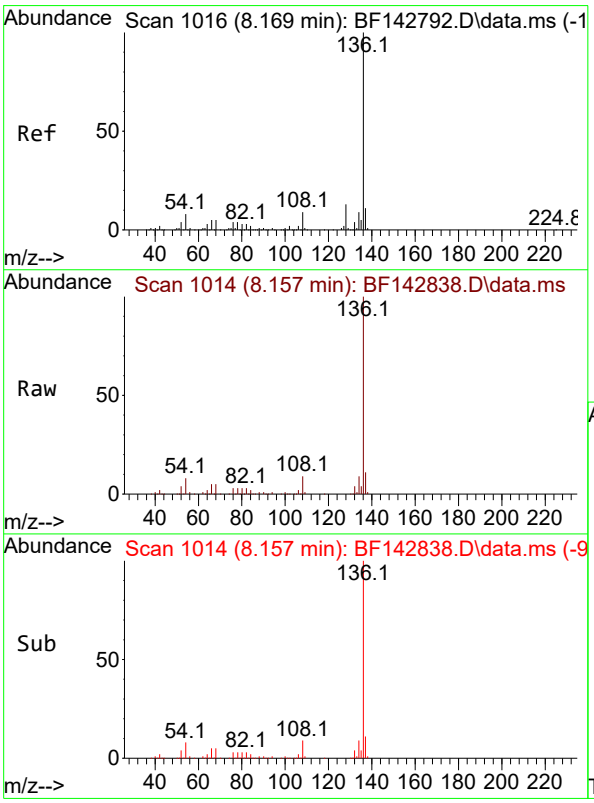
#7
Phenol-d6
Concen: 122.101 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 99 Resp: 704216

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.8	27.8	41.8

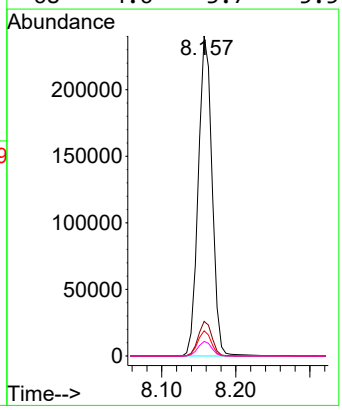


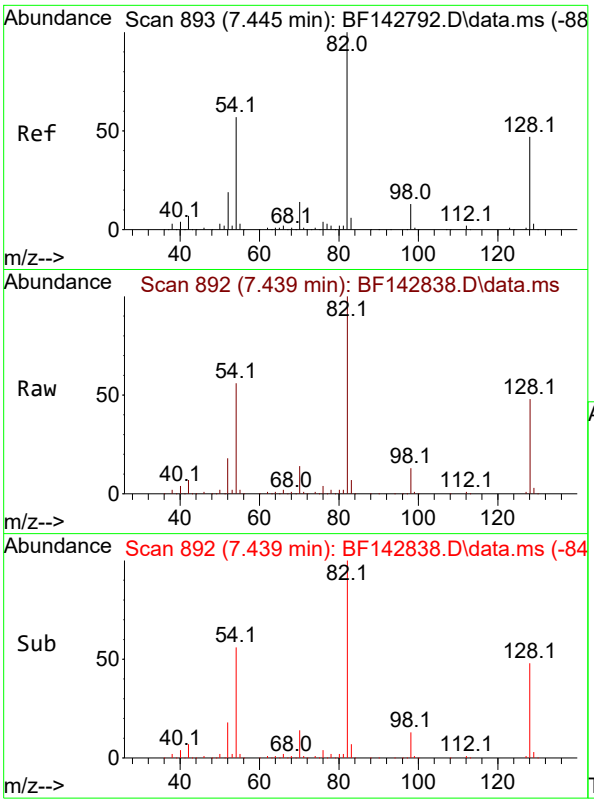


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:136 Resp: 310420

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.9	6.3	9.5
68	4.6	3.7	5.5



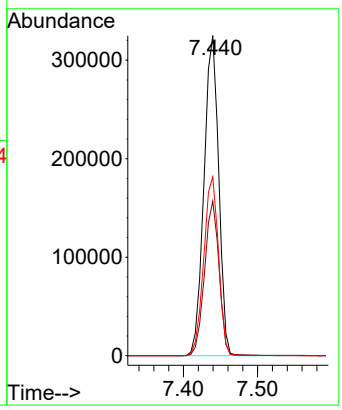


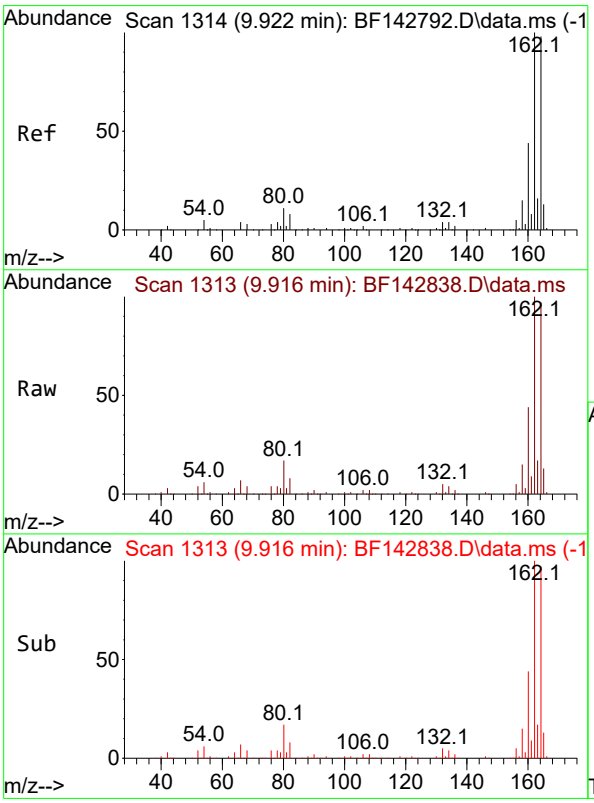
#23
Nitrobenzene-d5
Concen: 79.284 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion: 82 Resp: 448695

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

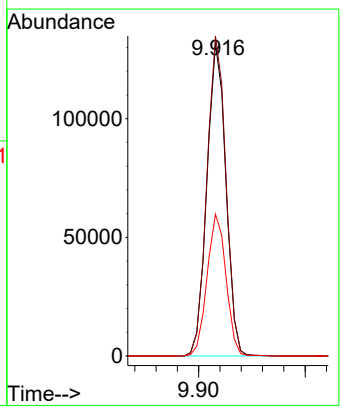


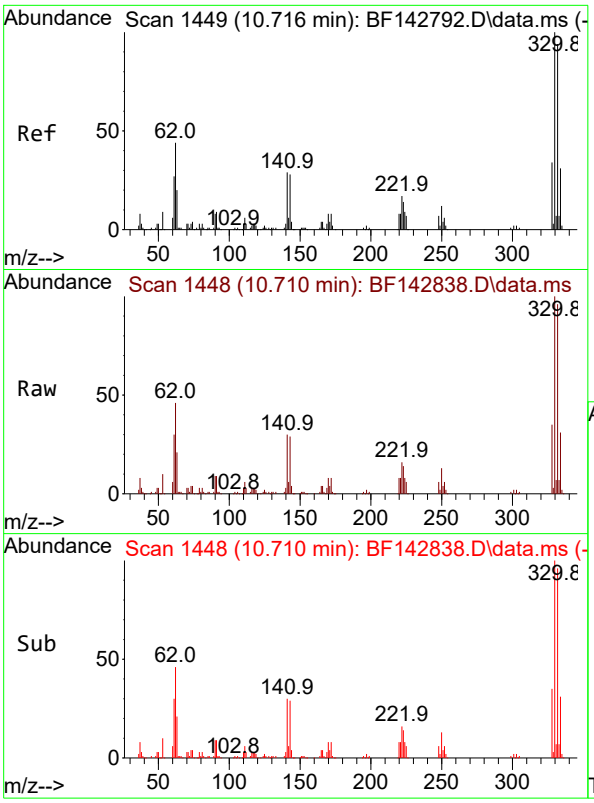


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:164 Resp: 163008

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.8
160	45.4	36.0	54.0



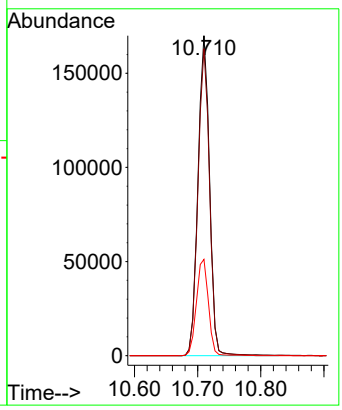


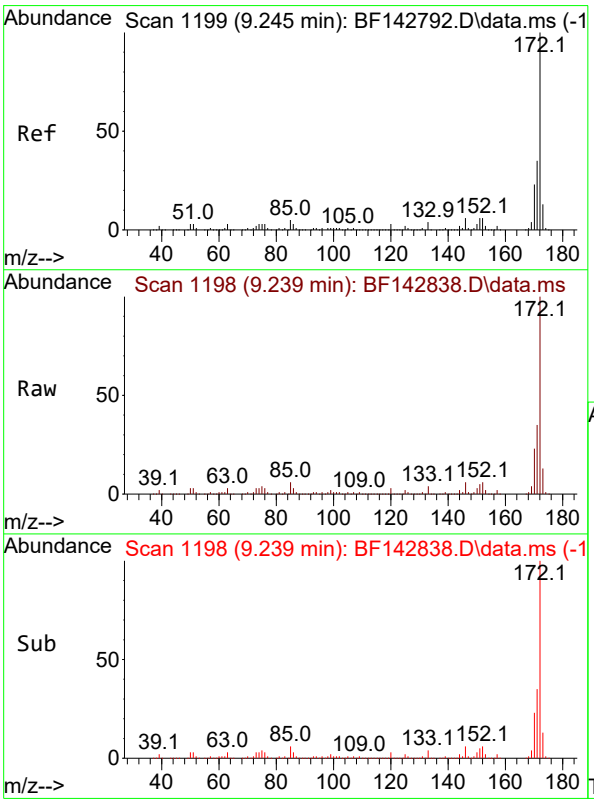
#42
2,4,6-Tribromophenol
Concen: 129.236 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:330 Resp: 216788

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.0	112.6
141	31.1	25.3	37.9

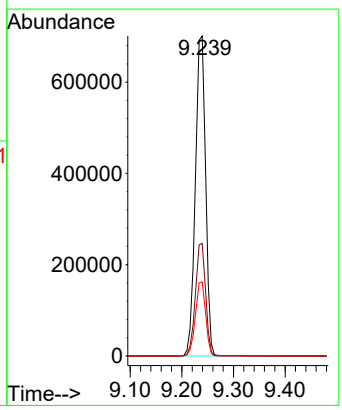


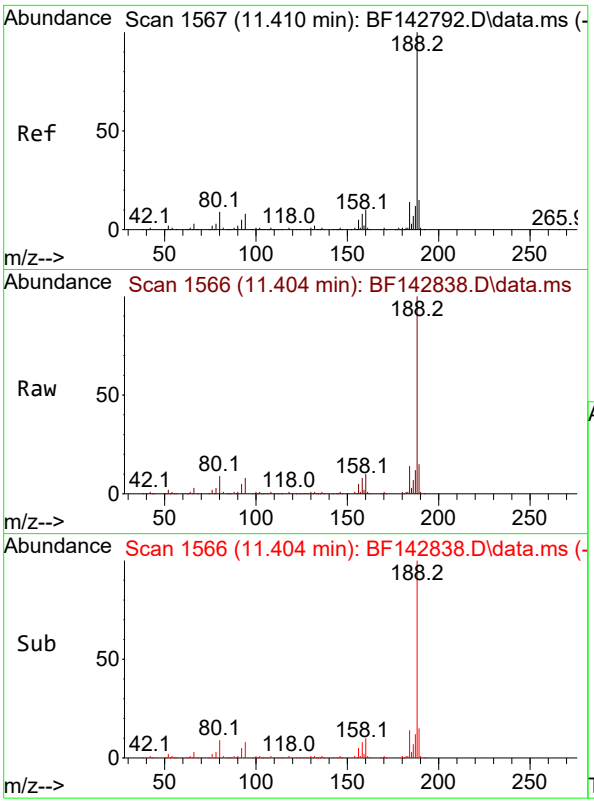


#45
2-Fluorobiphenyl
Concen: 78.090 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:172 Resp: 968980

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.1	18.5	27.7



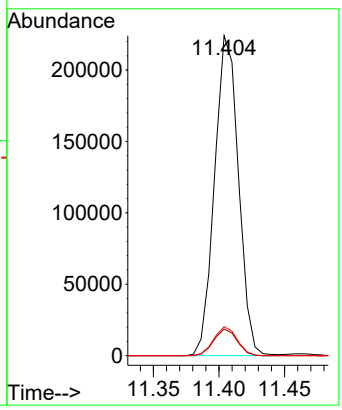


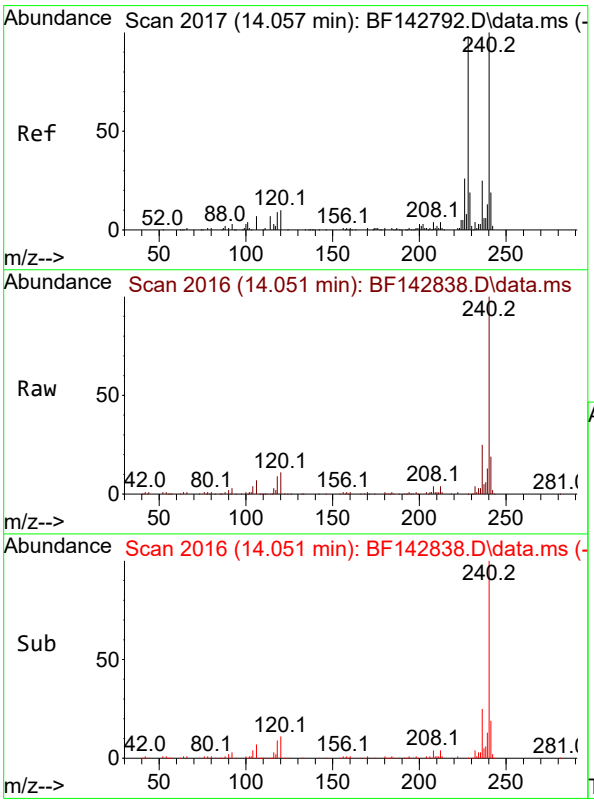
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:188 Resp: 283770

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	9.0	6.9	10.3

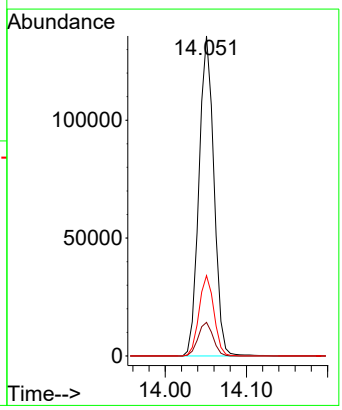


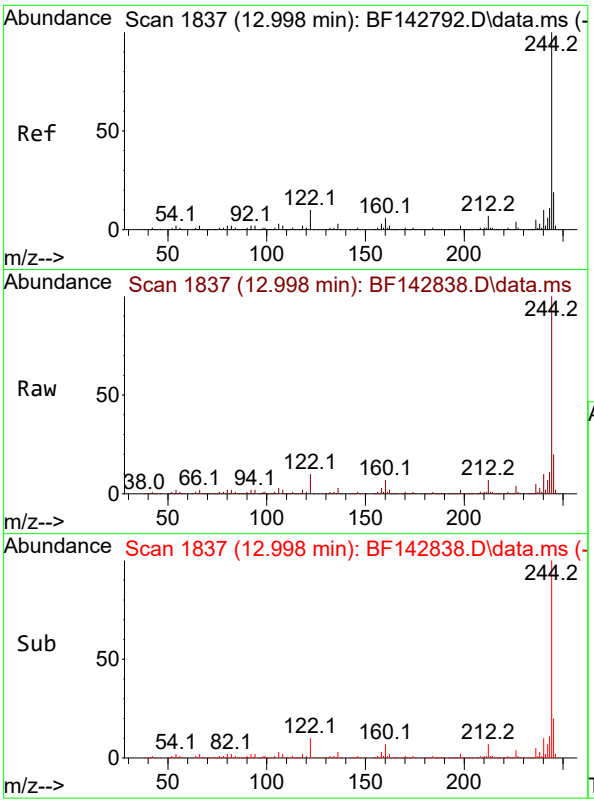


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:240 Resp: 173595

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	25.1	19.8	29.8



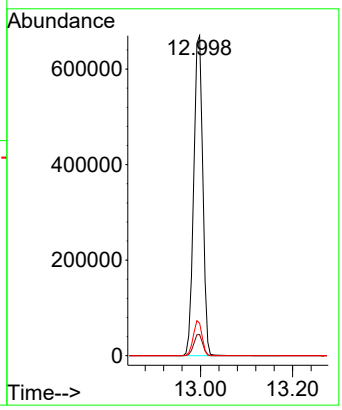


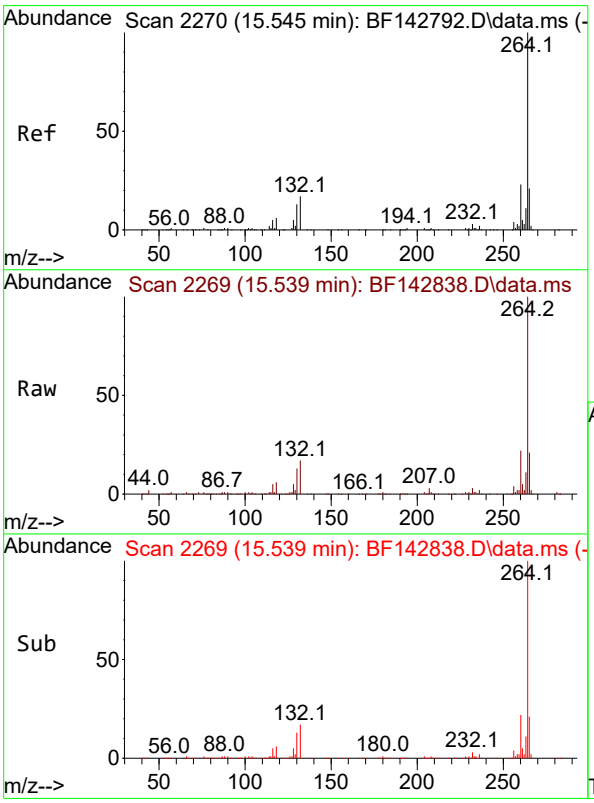
#79
Terphenyl-d14
Concen: 72.365 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Tgt Ion:244 Resp: 909178

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.2	8.2	12.2

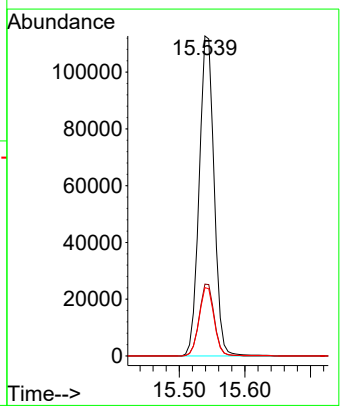




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF142838.D
Acq: 25 Jun 2025 15:26

Tgt Ion:264 Resp: 178625

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.1	27.1
265	21.3	16.6	25.0



Sample Results: **BF142838.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142838.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.110	490	496	512	rBV	134562	218768	8.05%	1.393%
2	5.504	557	563	568	rBV	1567687	2094706	77.08%	13.340%
3	6.504	727	733	739	rBV	1415529	2031499	74.75%	12.937%
4	6.875	791	796	801	rBV	376505	456236	16.79%	2.905%
5	7.440	885	892	897	rBV	988208	1354913	49.86%	8.629%
6	8.157	1009	1014	1023	rBV	465796	594340	21.87%	3.785%
7	9.234	1191	1197	1203	rBV	1978735	2717613	100.00%	17.307%
8	9.916	1308	1313	1318	rBV	547186	673895	24.80%	4.292%
9	10.710	1442	1448	1462	rBV	1221589	1584076	58.29%	10.088%
10	11.404	1561	1566	1572	rBV	532159	669733	24.64%	4.265%
11	12.998	1831	1837	1842	rBV	1759942	2395333	88.14%	15.254%
12	14.051	2011	2016	2024	rBV	353759	447792	16.48%	2.852%
13	15.539	2263	2269	2279	rBV	294234	463780	17.07%	2.954%

Sum of corrected areas: 15702684

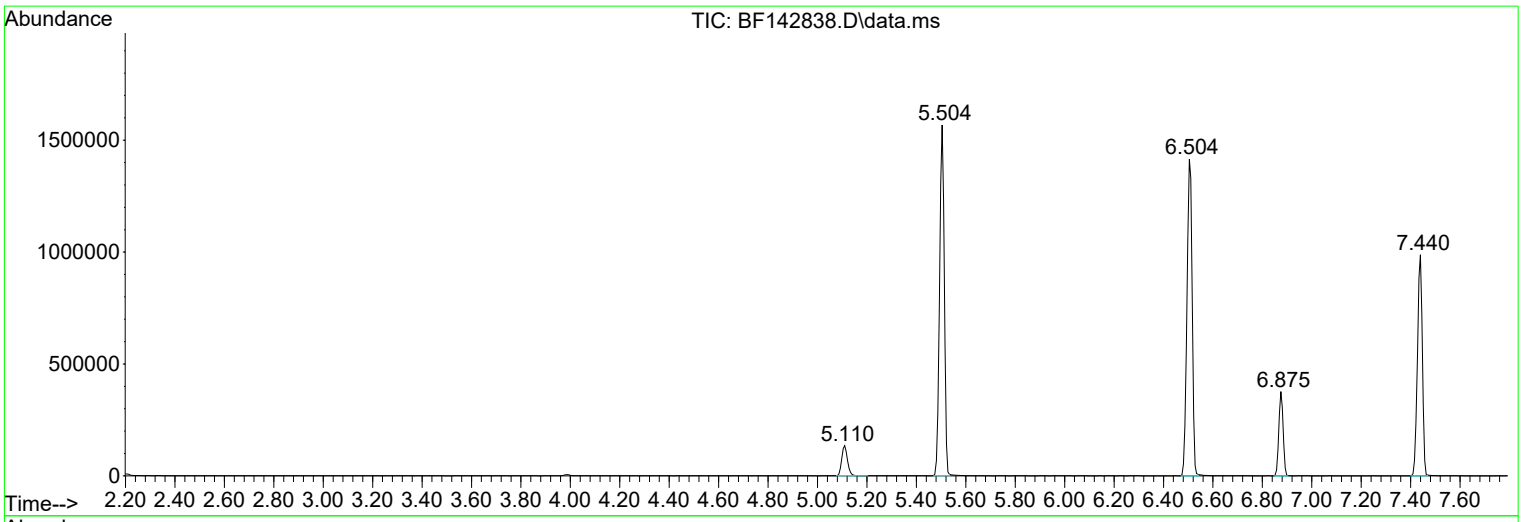
Sample Results: **BF142838.D**

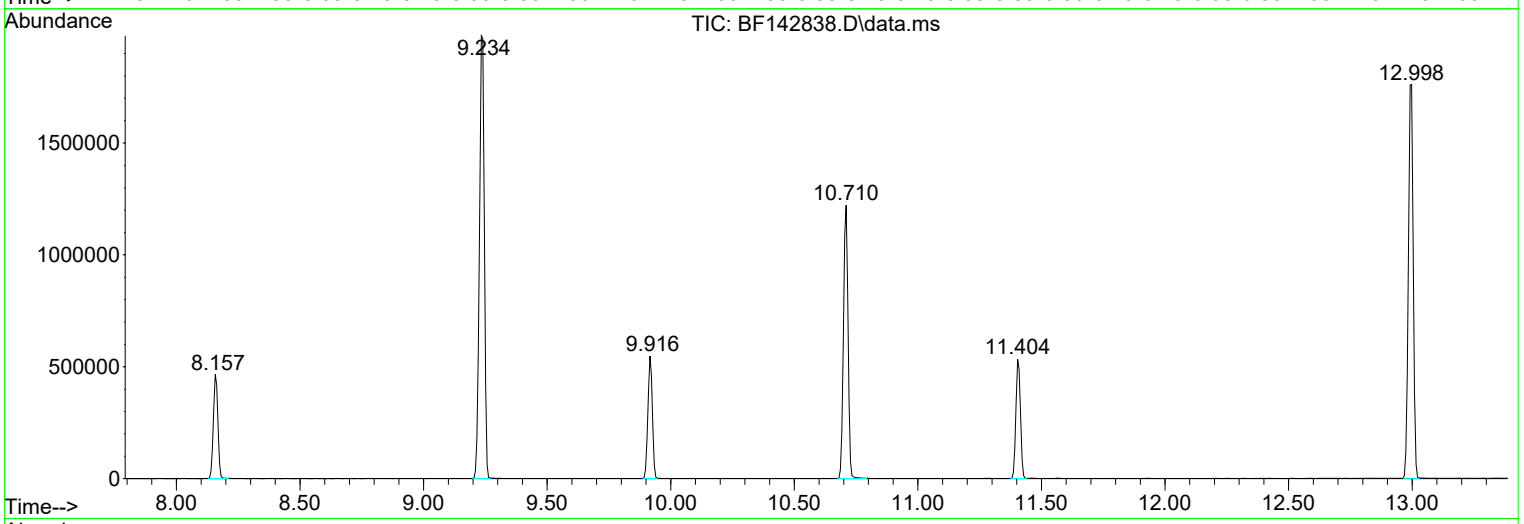
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

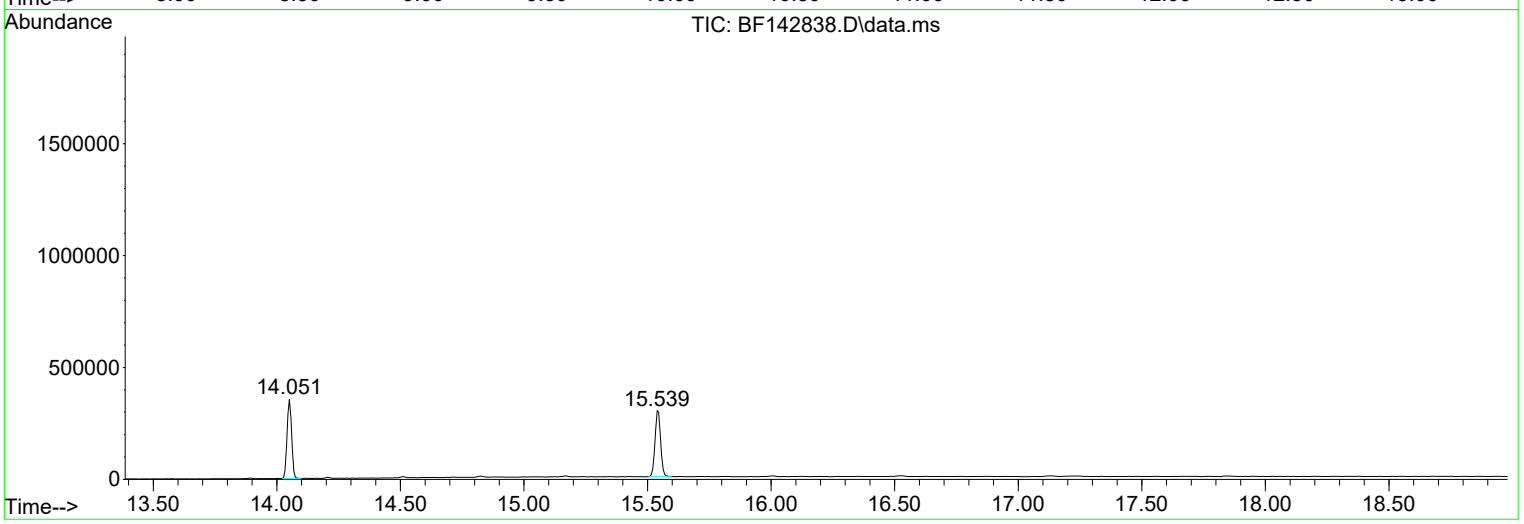
Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

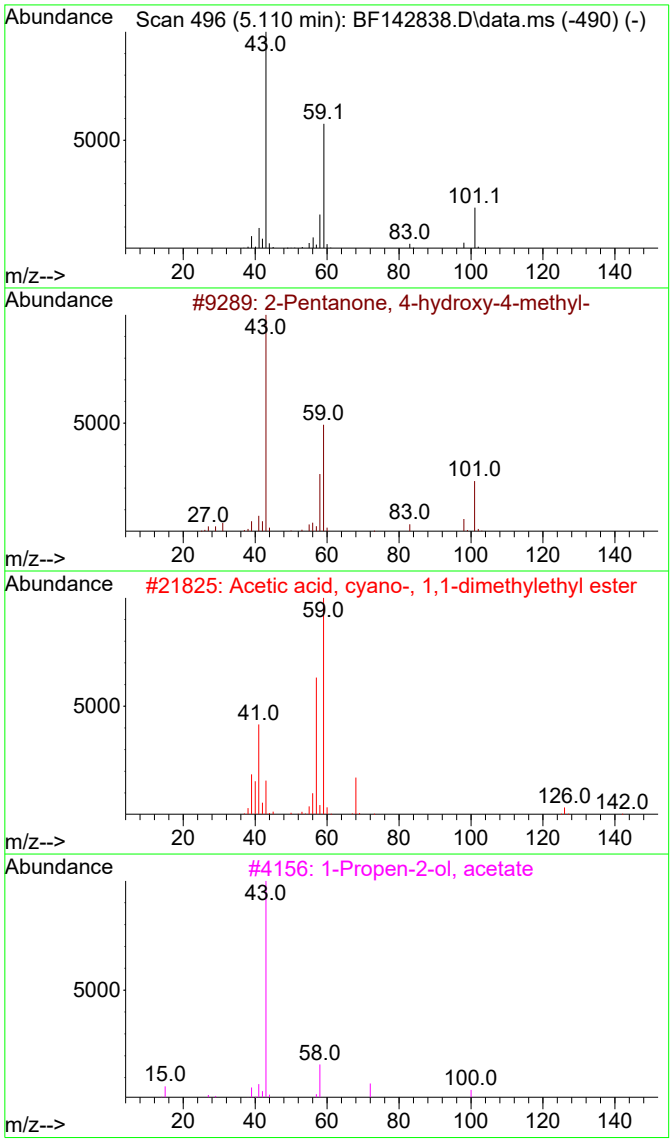
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

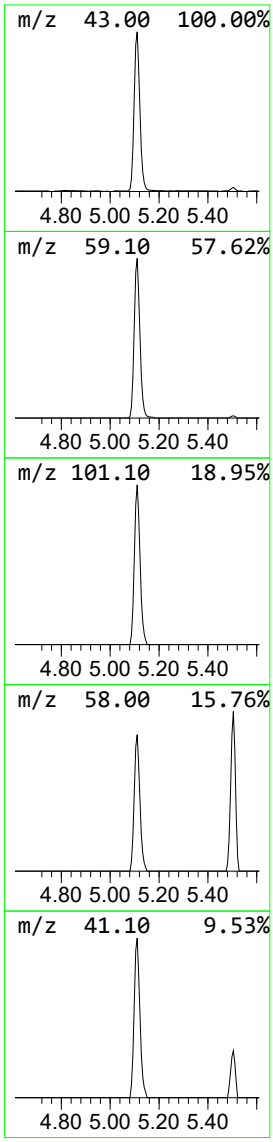
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.110	9.59 ng	218768	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Sample Results: **BF142838.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142838.D
Acq On : 25 Jun 2025 15:26
Operator : RC/JU
Sample : PB168601BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.110	9.6	ng	218768	1	6.875	456236	20.0

Raw Data: **BF142839.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Thomas McGoven	Date Received:	
Client Sample ID:	PB168601BS	SDG No.:	Q2392
Lab Sample ID:	PB168601BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1300		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1400		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1500		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	170	ug/Kg
78-59-1	Isophorone	1500		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	560		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BF142839.D**

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

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Thomas McGoven			Date Received:	
Client Sample ID:	PB168601BS			SDG No.:	Q2392
Lab Sample ID:	PB168601BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	750		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3200	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		47.9	170	ug/Kg
206-44-0	Fluoranthene	1600		30.0	170	ug/Kg
129-00-0	Pyrene	1200		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg

Raw Data: **BF142839.D**

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

Report of Analysis

Client:	Earth Engineering Inc.			Date Collected:	
Project:	Thomas McGoven			Date Received:	
Client Sample ID:	PB168601BS			SDG No.:	Q2392
Lab Sample ID:	PB168601BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142839.D	1	06/24/25 13:00	06/25/25 15:57	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	118		18 - 112	79%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.1		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		20 - 109	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	62.0		10 - 105	62%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	75800	6.875			
1146-65-2	Naphthalene-d8	275000	8.163			
15067-26-2	Acenaphthene-d10	133000	9.922			
1517-22-2	Phenanthrene-d10	201000	11.41			
1719-03-5	Chrysene-d12	147000	14.057			
1520-96-3	Perylene-d12	184000	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\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	75779	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	274808	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	132637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	201072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	147361	20.000	ng	0.00
86) Perylene-d12	15.545	264	184315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	537720	118.141	ng	0.01
7) Phenol-d6	6.510	99	611348	113.848	ng	0.00
23) Nitrobenzene-d5	7.439	82	386152	77.075	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	161105	118.032	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	796019	78.840	ng	0.00
79) Terphenyl-d14	12.992	244	660839	61.962	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.710	88	67762	37.222	ng	98
3) Pyridine	3.475	79	184116	40.342	ng	99
4) n-Nitrosodimethylamine	3.428	42	102806	43.561	ng	99
6) Aniline	6.540	93	213128	29.829	ng	92
8) 2-Chlorophenol	6.663	128	210361	42.845	ng	99
9) Benzaldehyde	6.428	77	126150	39.597	ng	99
10) Phenol	6.522	94	245098	41.062	ng	96
11) bis(2-Chloroethyl)ether	6.610	93	186285	43.666	ng	99
12) 1,3-Dichlorobenzene	6.816	146	238490	43.433	ng	99
13) 1,4-Dichlorobenzene	6.892	146	243305	43.918	ng	99
14) 1,2-Dichlorobenzene	7.045	146	231457	44.048	ng	99
15) Benzyl Alcohol	7.022	79	162957	41.977	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	291399	42.514	ng	97
17) 2-Methylphenol	7.134	107	154584	41.547	ng	98
18) Hexachloroethane	7.387	117	86781	44.785	ng	99
19) n-Nitroso-di-n-propyla...	7.287	70	133756	42.827	ng	100
20) 3+4-Methylphenols	7.287	107	191364	41.251	ng	91
22) Acetophenone	7.287	105	270364	44.614	ng	98
24) Nitrobenzene	7.457	77	201988	44.544	ng	99
25) Isophorone	7.698	82	354436	44.101	ng	100
26) 2-Nitrophenol	7.775	139	114740	46.450	ng	99
27) 2,4-Dimethylphenol	7.816	122	183895	42.978	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	226918	44.411	ng	99
29) 2,4-Dichlorophenol	8.022	162	167520	43.179	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	192694	45.168	ng	99
31) Naphthalene	8.181	128	599634	44.578	ng	100
32) Benzoic acid	7.928	122	97867	44.876	ng	96
33) 4-Chloroaniline	8.234	127	92787	16.964	ng	98
34) Hexachlorobutadiene	8.298	225	120739	46.269	ng	99
35) Caprolactam	8.598	113	43848	42.830	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	157573	40.867	ng	100
37) 2-Methylnaphthalene	8.875	142	362264	43.440	ng	100
38) 1-Methylnaphthalene	8.975	142	373442	43.258	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	185507	47.400	ng	99
41) Hexachlorocyclopentadiene	9.028	237	226737	102.091	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	113915	44.668	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

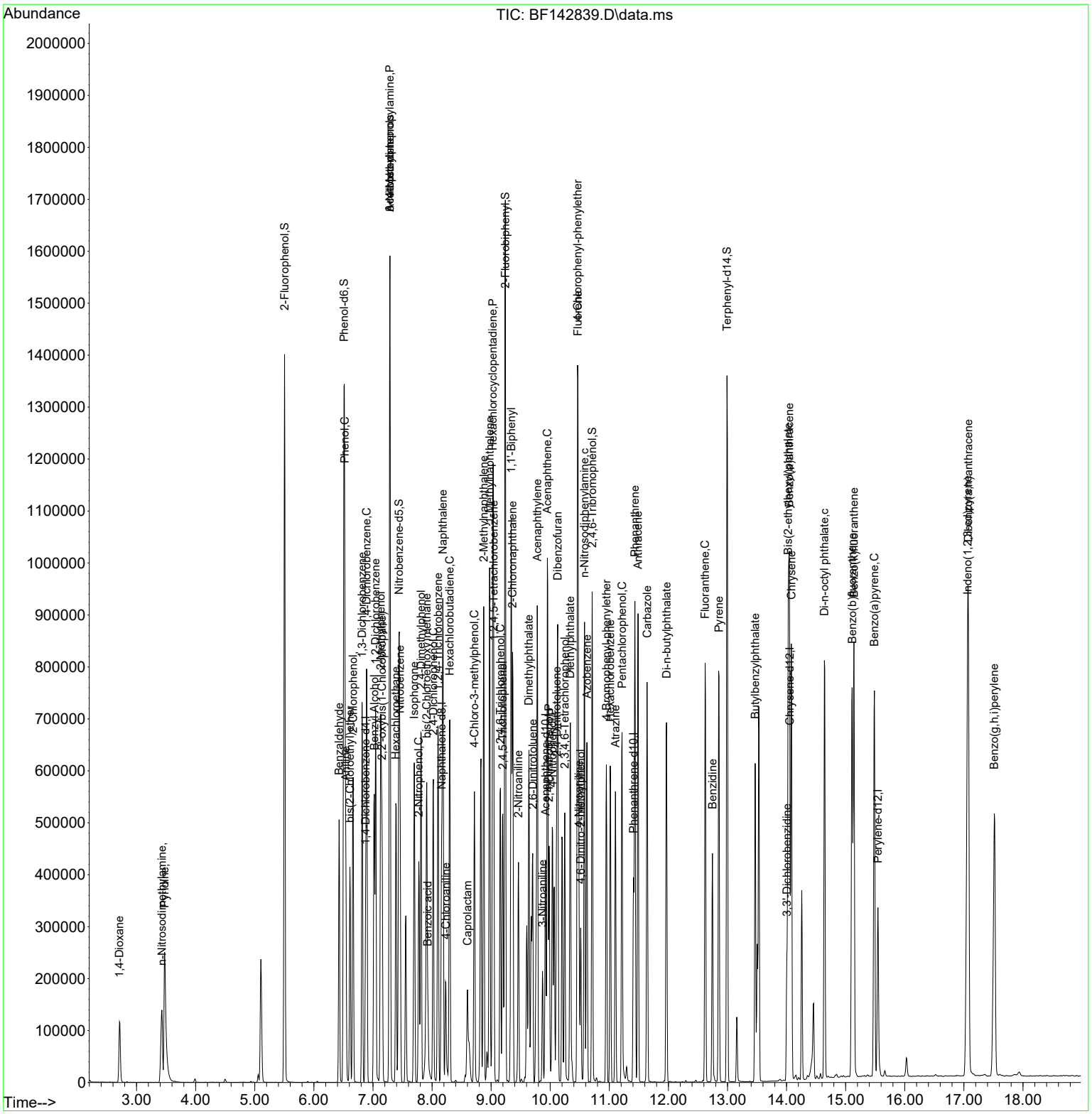
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	118294	44.064	ng	99
46) 1,1'-Biphenyl	9.339	154	485020	46.291	ng	100
47) 2-Chloronaphthalene	9.363	162	355587	45.225	ng	100
48) 2-Nitroaniline	9.463	65	95641	43.388	ng	96
49) Acenaphthylene	9.781	152	578483	44.692	ng	99
50) Dimethylphthalate	9.639	163	383618	44.681	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83401	44.233	ng	97
52) Acenaphthene	9.951	154	386282	48.914	ng	100
53) 3-Nitroaniline	9.869	138	47033	22.656	ng	99
54) 2,4-Dinitrophenol	9.980	184	91154	96.551	ng	99
55) Dibenzofuran	10.128	168	498929	44.058	ng	99
56) 4-Nitrophenol	10.039	139	119930	84.387	ng	98
57) 2,4-Dinitrotoluene	10.110	165	110607	44.163	ng	99
58) Fluorene	10.469	166	381766	43.166	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	94664	43.746	ng	96
60) Diethylphthalate	10.339	149	374487	44.486	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	184980	43.831	ng	99
62) 4-Nitroaniline	10.486	138	78627	41.413	ng	98
63) Azobenzene	10.622	77	316690	42.092	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	58716	48.278	ng	94
66) n-Nitrosodiphenylamine	10.580	169	325101	46.652	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	109098	47.675	ng	98
68) Hexachlorobenzene	11.016	284	120002	47.193	ng	98
69) Atrazine	11.104	200	93915	52.189	ng	99
70) Pentachlorophenol	11.216	266	118039	93.159	ng	98
71) Phenanthrene	11.433	178	493078	45.269	ng	99
72) Anthracene	11.486	178	508495	45.520	ng	100
73) Carbazole	11.639	167	444907	46.152	ng	100
74) Di-n-butylphthalate	11.969	149	518753	51.656	ng	100
75) Fluoranthene	12.621	202	482438	46.670	ng	100
77) Benzidine	12.745	184	243534	43.987	ng	99
78) Pyrene	12.857	202	486813	35.244	ng	100
80) Butylbenzylphthalate	13.469	149	210760	52.602	ng	96
81) Benzo(a)anthracene	14.045	228	452476	45.516	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	64332	19.951	ng	98
83) Chrysene	14.080	228	411802	46.423	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	318139	55.187	ng	99
85) Di-n-octyl phthalate	14.639	149	578638	53.232	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	603239	42.968	ng	99
88) Benzo(b)fluoranthene	15.110	252	497308	46.629	ng	100
89) Benzo(k)fluoranthene	15.139	252	476932	47.797	ng	99
90) Benzo(a)pyrene	15.486	252	485264	47.097	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	488418	42.817	ng	99
92) Benzo(g,h,i)perylene	17.515	276	484905	42.630	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142839.D
Acq On : 25 Jun 2025 15:57
Operator : RC/JU
Sample : PB168601BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168601BS

Quant Time: Jun 25 16:17:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Raw Data: **BF142843.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		110	230	ug/Kg
108-95-2	Phenol	910		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	940		16.9	120	ug/Kg
95-48-7	2-Methylphenol	930		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		26.0	120	ug/Kg
98-86-2	Acetophenone	950		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		32.9	55.6	ug/Kg
67-72-1	Hexachloroethane	920		12.2	120	ug/Kg
98-95-3	Nitrobenzene	950		12.7	120	ug/Kg
78-59-1	Isophorone	940		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	990		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	930		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	950		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	950		19.7	120	ug/Kg
91-20-3	Naphthalene	950		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		17.6	120	ug/Kg
105-60-2	Caprolactam	950		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	940		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800		80.6	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950		13.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	970		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	960		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	920		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	970		18.8	120	ug/Kg

Raw Data: **BF142843.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	480		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1500		74.3	230	ug/Kg
132-64-9	Dibenzofuran	920		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	910		34.8	120	ug/Kg
84-66-2	Diethylphthalate	950		19.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		18.5	120	ug/Kg
86-73-7	Fluorene	900		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	800		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	950		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1700		35.6	230	ug/Kg
85-01-8	Phenanthrene	950		14.5	120	ug/Kg
120-12-7	Anthracene	940		23.1	120	ug/Kg
86-74-8	Carbazole	860		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		33.3	120	ug/Kg
206-44-0	Fluoranthene	830		20.8	120	ug/Kg
129-00-0	Pyrene	620		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	930		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	380		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	960		16.0	120	ug/Kg
218-01-9	Chrysene	990		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		13.2	120	ug/Kg

Raw Data: **BF142843.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMS	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142843.D	1	06/24/25 13:00	06/25/25 18:04	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	570		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490		17.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	820		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	870		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	94.0		18 - 112	63%	SPK: 150
13127-88-3	Phenol-d6	95.7		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.3		18 - 107	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.9		20 - 109	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.4		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	38.6		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	88500	6.875			
1146-65-2	Naphthalene-d8	329000	8.163			
15067-26-2	Acenaphthene-d10	166000	9.922			
1517-22-2	Phenanthrene-d10	228000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	198000	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\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	88519	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	329491	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	165682	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	227501	20.000	ng		0.00
76) Chrysene-d12	14.057	240	165966	20.000	ng		0.00
86) Perylene-d12	15.545	264	197780	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	499572	93.963	ng		0.01
7) Phenol-d6	6.510	99	600360	95.711	ng		0.00
23) Nitrobenzene-d5	7.439	82	362464	60.340	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	150754	88.420	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	742296	58.856	ng		0.00
79) Terphenyl-d14	12.992	244	463419	38.581	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	75011	35.274	ng		100
3) Pyridine	3.475	79	200057	37.526	ng		99
4) n-Nitrosodimethylamine	3.428	42	107913	39.144	ng		100
6) Aniline	6.540	93	217621	26.074	ng	#	87
8) 2-Chlorophenol	6.663	128	233842	40.773	ng		98
9) Benzaldehyde	6.428	77	137324	36.901	ng		99
10) Phenol	6.528	94	273460	39.220	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	199815	40.096	ng		99
12) 1,3-Dichlorobenzene	6.816	146	255057	39.765	ng		99
13) 1,4-Dichlorobenzene	6.892	146	253276	39.138	ng		99
14) 1,2-Dichlorobenzene	7.045	146	244651	39.858	ng		99
15) Benzyl Alcohol	7.022	79	185058	40.809	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	311726	38.934	ng		95
17) 2-Methylphenol	7.134	107	174992	40.263	ng		98
18) Hexachloroethane	7.387	117	90157	39.831	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	148962	40.832	ng		97
20) 3+4-Methylphenols	7.287	107	219249	40.459	ng		96
22) Acetophenone	7.287	105	297693	40.971	ng		97
24) Nitrobenzene	7.463	77	222065	40.844	ng		97
25) Isophorone	7.698	82	393119	40.796	ng		100
26) 2-Nitrophenol	7.781	139	127098	42.914	ng		96
27) 2,4-Dimethylphenol	7.816	122	206921	40.334	ng		100
28) bis(2-Chloroethoxy)met...	7.910	93	252403	41.200	ng		100
29) 2,4-Dichlorophenol	8.022	162	190142	40.876	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	208686	40.798	ng		99
31) Naphthalene	8.186	128	662234	41.061	ng		100
32) Benzoic acid	7.928	122	97920	37.448	ng		96
33) 4-Chloroaniline	8.234	127	77471	11.813	ng		98
34) Hexachlorobutadiene	8.298	225	127754	40.832	ng		99
35) Caprolactam	8.604	113	50110	40.824	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	182369	39.448	ng		100
37) 2-Methylnaphthalene	8.875	142	404875	40.492	ng		100
38) 1-Methylnaphthalene	8.975	142	419225	40.502	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	206370	42.213	ng		99
41) Hexachlorocyclopentadiene	9.028	237	215010	77.502	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	131094	41.152	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

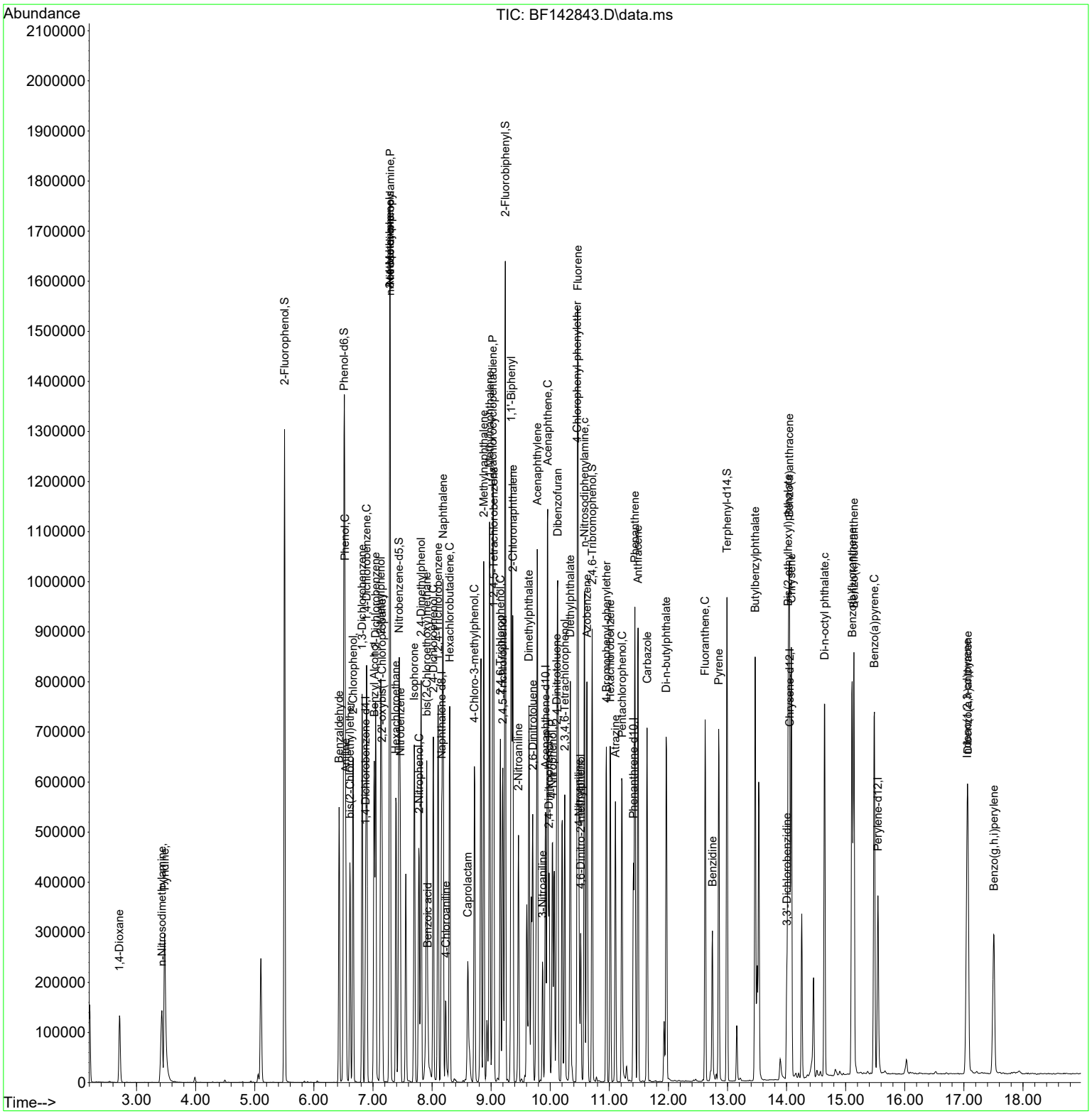
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	136008	40.558	ng	99
46) 1,1'-Biphenyl	9.339	154	547245	41.813	ng	100
47) 2-Chloronaphthalene	9.369	162	405690	41.306	ng	99
48) 2-Nitroaniline	9.463	65	109486	39.762	ng	95
49) Acenaphthylene	9.781	152	656449	40.601	ng	100
50) Dimethylphthalate	9.639	163	450728	42.027	ng	100
51) 2,6-Dinitrotoluene	9.704	165	97227	41.281	ng	99
52) Acenaphthene	9.957	154	424561	43.038	ng	99
53) 3-Nitroaniline	9.869	138	53290	20.550	ng	99
54) 2,4-Dinitrophenol	9.980	184	80048	67.877	ng	99
55) Dibenzofuran	10.128	168	563126	39.809	ng	99
56) 4-Nitrophenol	10.039	139	115198	64.891	ng	98
57) 2,4-Dinitrotoluene	10.110	165	122816	39.258	ng	98
58) Fluorene	10.469	166	429288	38.858	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	101337	37.490	ng	96
60) Diethylphthalate	10.339	149	430342	40.925	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	208769	39.601	ng	99
62) 4-Nitroaniline	10.486	138	81554	34.388	ng	98
63) Azobenzene	10.622	77	400040	42.566	ng	95
65) 4,6-Dinitro-2-methylph...	10.516	198	56551	41.096	ng	94
66) n-Nitrosodiphenylamine	10.580	169	360840	45.765	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	120669	46.605	ng	97
68) Hexachlorobenzene	11.016	284	129337	44.955	ng	98
69) Atrazine	11.104	200	94788	46.555	ng	99
70) Pentachlorophenol	11.216	266	107120	74.720	ng	97
71) Phenanthrene	11.433	178	505523	41.020	ng	100
72) Anthracene	11.486	178	513353	40.616	ng	100
73) Carbazole	11.639	167	404102	37.050	ng	100
74) Di-n-butylphthalate	11.963	149	511965	45.058	ng	100
75) Fluoranthene	12.621	202	420643	35.965	ng	100
77) Benzidine	12.745	184	165026	26.465	ng	99
78) Pyrene	12.851	202	417496	26.837	ng	99
80) Butylbenzylphthalate	13.469	149	181793	40.286	ng	97
81) Benzo(a)anthracene	14.045	228	463653	41.412	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	59405	16.358	ng	98
83) Chrysene	14.080	228	425822	42.622	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	283606	43.681	ng	100
85) Di-n-octyl phthalate	14.645	149	541947	44.267	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	365312	24.250	ng	99
88) Benzo(b)fluoranthene	15.110	252	512125	44.749	ng	100
89) Benzo(k)fluoranthene	15.139	252	484313	45.233	ng	99
90) Benzo(a)pyrene	15.486	252	475618	43.019	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	299177	24.442	ng	99
92) Benzo(g,h,i)perylene	17.509	276	257081	21.062	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142843.D
Acq On : 25 Jun 2025 18:04
Operator : RC/JU
Sample : Q2394-01MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMS

Quant Time: Jun 25 18:35:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



Raw Data: **BF142844.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	900		110	230	ug/Kg
108-95-2	Phenol	950		15.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		16.9	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.9	120	ug/Kg
95-48-7	2-Methylphenol	980		20.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		26.0	120	ug/Kg
98-86-2	Acetophenone	1000		20.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	980		28.5	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.9	55.5	ug/Kg
67-72-1	Hexachloroethane	990		12.2	120	ug/Kg
98-95-3	Nitrobenzene	990		12.7	120	ug/Kg
78-59-1	Isophorone	990		22.8	120	ug/Kg
88-75-5	2-Nitrophenol	1100		40.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		45.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		21.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.6	120	ug/Kg
91-20-3	Naphthalene	980		15.8	120	ug/Kg
106-47-8	4-Chloroaniline	270		24.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.6	120	ug/Kg
105-60-2	Caprolactam	990		36.2	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		19.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	990		17.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1900	E	80.5	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		13.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		20.2	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		15.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		15.6	120	ug/Kg
88-74-4	2-Nitroaniline	990		33.4	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.8	120	ug/Kg

Raw Data: **BF142844.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	990		20.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		23.3	120	ug/Kg
99-09-2	3-Nitroaniline	470		31.9	120	ug/Kg
83-32-9	Acenaphthene	1000		14.8	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1600		160	230	ug/Kg
100-02-7	4-Nitrophenol	1600		74.3	230	ug/Kg
132-64-9	Dibenzofuran	970		15.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		34.8	120	ug/Kg
84-66-2	Diethylphthalate	1000		19.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		18.5	120	ug/Kg
86-73-7	Fluorene	940		17.6	120	ug/Kg
100-01-6	4-Nitroaniline	830		44.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		71.5	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		22.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		19.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		17.6	120	ug/Kg
1912-24-9	Atrazine	1100		23.6	120	ug/Kg
87-86-5	Pentachlorophenol	1800		35.6	230	ug/Kg
85-01-8	Phenanthrene	1000		14.5	120	ug/Kg
120-12-7	Anthracene	1000		23.1	120	ug/Kg
86-74-8	Carbazole	920		21.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		33.3	120	ug/Kg
206-44-0	Fluoranthene	890		20.8	120	ug/Kg
129-00-0	Pyrene	650		25.0	120	ug/Kg
85-68-7	Butylbenzylphthalate	980		49.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390		25.5	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		16.0	120	ug/Kg
218-01-9	Chrysene	1000		13.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		41.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		60.3	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		13.2	120	ug/Kg

Raw Data: **BF142844.D**

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

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	06/23/25
Project:	Thomas McGoven	Date Received:	06/23/25
Client Sample ID:	MH-K/LMSD	SDG No.:	Q2392
Lab Sample ID:	Q2394-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	86.3
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142844.D	1	06/24/25 13:00	06/25/25 18:35	PB168601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		15.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	580		20.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580		19.0	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	500		17.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		17.8	120	ug/Kg
123-91-1	1,4-Dioxane	860		31.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		19.0	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	97.9		18 - 112	65%	SPK: 150
13127-88-3	Phenol-d6	101		15 - 107	67%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	63.1		20 - 109	63%	SPK: 100
118-79-6	2,4,6-Tribromophenol	91.8		10 - 116	61%	SPK: 150
1718-51-0	Terphenyl-d14	39.9		10 - 105	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	86800	6.875			
1146-65-2	Naphthalene-d8	327000	8.163			
15067-26-2	Acenaphthene-d10	162000	9.922			
1517-22-2	Phenanthrene-d10	217000	11.41			
1719-03-5	Chrysene-d12	166000	14.057			
1520-96-3	Perylene-d12	195000	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\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	86832	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	327352	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	161732	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	216826	20.000	ng		0.00
76) Chrysene-d12	14.057	240	166084	20.000	ng		0.00
86) Perylene-d12	15.545	264	195276	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	510437	97.872	ng		0.01
7) Phenol-d6	6.510	99	618603	100.535	ng		0.00
23) Nitrobenzene-d5	7.439	82	379709	63.624	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	152841	91.833	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	776863	63.101	ng		0.00
79) Terphenyl-d14	12.992	244	479096	39.857	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	77619	37.209	ng		100
3) Pyridine	3.475	79	209759	40.110	ng		100
4) n-Nitrosodimethylamine	3.428	42	113036	41.799	ng		99
6) Aniline	6.540	93	214782	26.234	ng	#	83
8) 2-Chlorophenol	6.663	128	240076	42.673	ng		99
9) Benzaldehyde	6.428	77	142335	38.990	ng		100
10) Phenol	6.528	94	280041	40.944	ng		90
11) bis(2-Chloroethyl)ether	6.610	93	211398	43.245	ng		98
12) 1,3-Dichlorobenzene	6.816	146	259981	41.320	ng		99
13) 1,4-Dichlorobenzene	6.892	146	266435	41.971	ng		99
14) 1,2-Dichlorobenzene	7.045	146	254247	42.226	ng		99
15) Benzyl Alcohol	7.022	79	190482	42.821	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	323932	41.245	ng		95
17) 2-Methylphenol	7.134	107	180490	42.335	ng		98
18) Hexachloroethane	7.387	117	94535	42.576	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	153811	42.980	ng		98
20) 3+4-Methylphenols	7.287	107	226021	42.519	ng		95
22) Acetophenone	7.287	105	310952	43.076	ng		98
24) Nitrobenzene	7.463	77	230370	42.648	ng		98
25) Isophorone	7.698	82	409972	42.823	ng		100
26) 2-Nitrophenol	7.781	139	133671	45.428	ng		98
27) 2,4-Dimethylphenol	7.816	122	212994	41.789	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	262521	43.132	ng		99
29) 2,4-Dichlorophenol	8.022	162	198199	42.886	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	217187	42.738	ng		99
31) Naphthalene	8.187	128	676656	42.229	ng		100
32) Benzoic acid	7.928	122	99567	38.327	ng		96
33) 4-Chloroaniline	8.234	127	76461	11.735	ng		97
34) Hexachlorobutadiene	8.298	225	132910	42.757	ng		99
35) Caprolactam	8.610	113	52363	42.938	ng		96
36) 4-Chloro-3-methylphenol	8.716	107	192750	41.966	ng		98
37) 2-Methylnaphthalene	8.875	142	422995	42.581	ng		98
38) 1-Methylnaphthalene	8.975	142	434533	42.256	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	215130	45.080	ng		99
41) Hexachlorocyclopentadiene	9.028	237	224115	82.757	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	137174	44.112	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

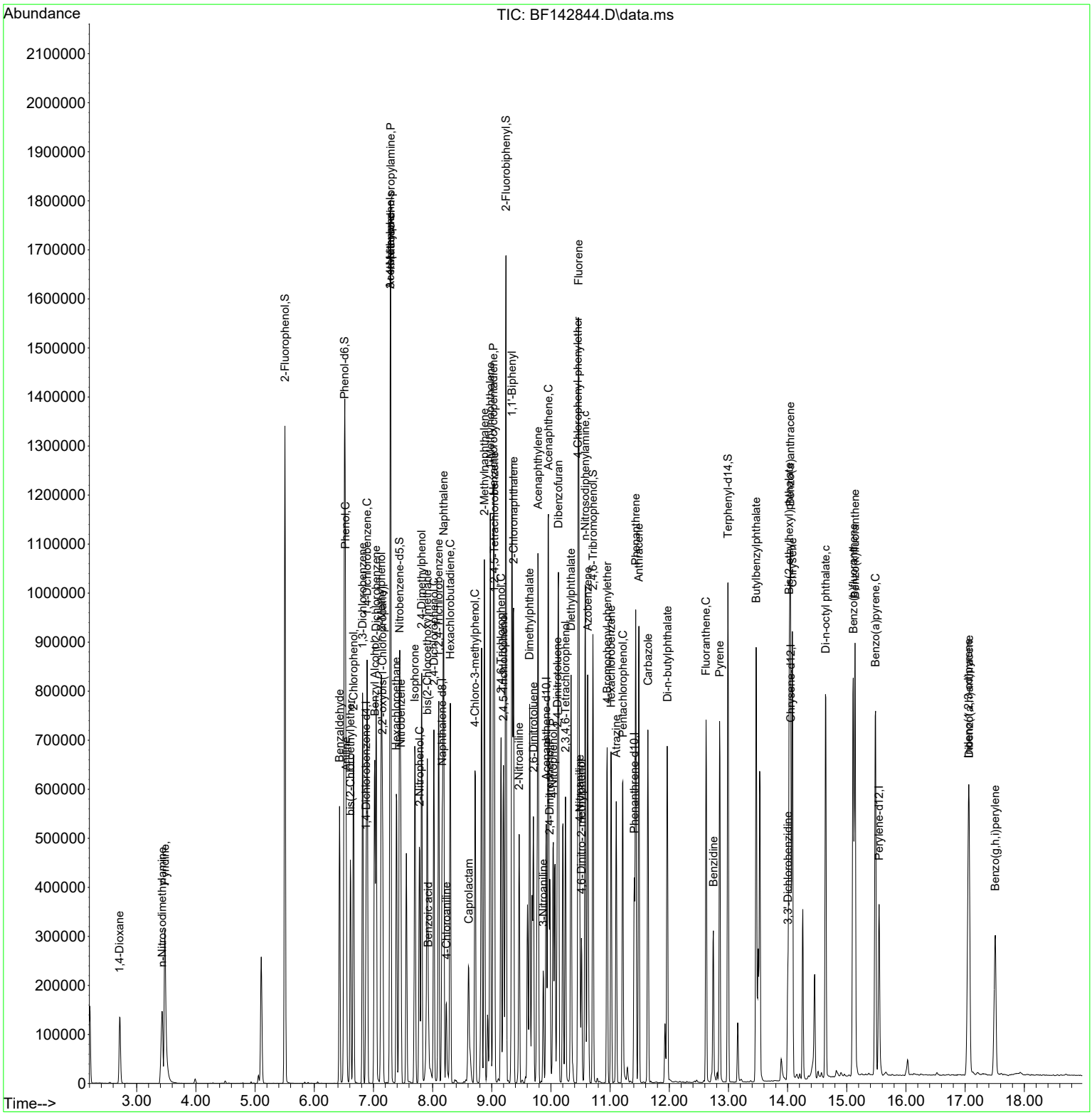
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	140604	42.953	ng	99
46) 1,1'-Biphenyl	9.339	154	569253	44.557	ng	99
47) 2-Chloronaphthalene	9.369	162	416871	43.481	ng	100
48) 2-Nitroaniline	9.463	65	114797	42.709	ng	98
49) Acenaphthylene	9.781	152	677374	42.918	ng	99
50) Dimethylphthalate	9.639	163	466375	44.548	ng	100
51) 2,6-Dinitrotoluene	9.704	165	100547	43.733	ng	98
52) Acenaphthene	9.957	154	433591	45.027	ng	99
53) 3-Nitroaniline	9.869	138	51321	20.274	ng	98
54) 2,4-Dinitrophenol	9.981	184	81917	71.158	ng	99
55) Dibenzofuran	10.128	168	578999	41.931	ng	100
56) 4-Nitrophenol	10.039	139	118397	68.321	ng	98
57) 2,4-Dinitrotoluene	10.110	165	127282	41.679	ng	99
58) Fluorene	10.469	166	438096	40.624	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	103184	39.105	ng	97
60) Diethylphthalate	10.339	149	442512	43.110	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	216441	42.059	ng	98
62) 4-Nitroaniline	10.486	138	83121	35.904	ng	97
63) Azobenzene	10.622	77	409836	44.673	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	58514	44.616	ng	96
66) n-Nitrosodiphenylamine	10.580	169	366172	48.728	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	123766	50.155	ng	97
68) Hexachlorobenzene	11.016	284	129801	47.338	ng	97
69) Atrazine	11.104	200	95172	49.045	ng	99
70) Pentachlorophenol	11.216	266	107461	78.649	ng	98
71) Phenanthrene	11.433	178	515807	43.915	ng	99
72) Anthracene	11.486	178	524846	43.570	ng	99
73) Carbazole	11.639	167	413578	39.785	ng	100
74) Di-n-butylphthalate	11.969	149	517455	47.783	ng	100
75) Fluoranthene	12.622	202	428340	38.426	ng	100
77) Benzidine	12.745	184	172817	27.695	ng	99
78) Pyrene	12.851	202	438025	28.137	ng	100
80) Butylbenzylphthalate	13.469	149	191237	42.349	ng	98
81) Benzo(a)anthracene	14.045	228	486056	43.382	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	60826	16.737	ng	99
83) Chrysene	14.080	228	448397	44.850	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	299554	46.105	ng	100
85) Di-n-octyl phthalate	14.645	149	570522	46.568	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	369992	24.875	ng	99
88) Benzo(b)fluoranthene	15.110	252	531909	47.074	ng	100
89) Benzo(k)fluoranthene	15.139	252	506561	47.917	ng	100
90) Benzo(a)pyrene	15.486	252	489635	44.854	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	301769	24.970	ng	98
92) Benzo(g,h,i)perylene	17.509	276	259891	21.566	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062525\
Data File : BF142844.D
Acq On : 25 Jun 2025 18:35
Operator : RC/JU
Sample : Q2394-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-K/LMSD

Quant Time: Jun 26 01:18:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF061925	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

Manual Integration Report

Sequence:	bf062425	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

Manual Integration Report

Sequence:	BF062525	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_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM				
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM				
SubDirectory	BF061925	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142787.D	19 Jun 2025 16:37	RC/JU	Ok
2	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07	RC/JU	Ok
3	SSTDICC005	BF142789.D	19 Jun 2025 17:38	RC/JU	Ok
4	SSTDICC010	BF142790.D	19 Jun 2025 18:08	RC/JU	Ok
5	SSTDICC020	BF142791.D	19 Jun 2025 18:39	RC/JU	Ok
6	SSTDICC040	BF142792.D	19 Jun 2025 19:09	RC/JU	Ok
7	SSTDICC050	BF142793.D	19 Jun 2025 19:40	RC/JU	Ok
8	SSTDICC060	BF142794.D	19 Jun 2025 20:10	RC/JU	Ok
9	SSTDICC080	BF142795.D	19 Jun 2025 20:40	RC/JU	Ok
10	SSTDICV040	BF142796.D	19 Jun 2025 21:10	RC/JU	Ok
11	PB168536BL	BF142797.D	19 Jun 2025 22:10	RC/JU	Ok
12	PB168536BS	BF142798.D	19 Jun 2025 22:40	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM				
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM				
SubDirectory	BF062425	HP Acquire Method	BNA_F		HP Processing Method	bf061925	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142810.D	24 Jun 2025 09:46	RC/JU	Ok
2	SSTDCCC040	BF142811.D	24 Jun 2025 10:16	RC/JU	Ok
3	PB168582BL	BF142812.D	24 Jun 2025 10:46	RC/JU	Ok
4	PB168582BS	BF142813.D	24 Jun 2025 11:17	RC/JU	Ok,M
5	Q2388-01	BF142814.D	24 Jun 2025 11:51	RC/JU	Ok
6	Q2380-01	BF142815.D	24 Jun 2025 12:22	RC/JU	Ok,M
7	Q2380-03	BF142816.D	24 Jun 2025 12:53	RC/JU	Ok,M
8	Q2381-01	BF142817.D	24 Jun 2025 13:24	RC/JU	Ok,M
9	Q2381-05	BF142818.D	24 Jun 2025 13:54	RC/JU	Ok,M
10	Q2385-01	BF142819.D	24 Jun 2025 14:57	RC/JU	Ok
11	Q2372-01	BF142820.D	24 Jun 2025 15:28	RC/JU	Ok
12	Q2386-01	BF142821.D	24 Jun 2025 15:59	RC/JU	Dilution
13	Q2392-01	BF142822.D	24 Jun 2025 16:30	RC/JU	Ok
14	Q2393-11	BF142823.D	24 Jun 2025 17:01	RC/JU	Ok
15	Q2393-05	BF142824.D	24 Jun 2025 17:33	RC/JU	Ok,M
16	Q2393-07	BF142825.D	24 Jun 2025 18:03	RC/JU	Ok,M
17	Q2393-09	BF142826.D	24 Jun 2025 18:34	RC/JU	Ok,M
18	Q2398-06	BF142827.D	24 Jun 2025 19:05	RC/JU	Ok,M
19	Q2398-03	BF142828.D	24 Jun 2025 19:36	RC/JU	Ok,M
20	Q2381-03	BF142829.D	24 Jun 2025 20:07	RC/JU	Ok,M
21	Q2380-05	BF142830.D	24 Jun 2025 20:38	RC/JU	Ok,M

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 # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2384-01	BF142831.D	24 Jun 2025 21:08	RC/JU	Ok,M
23	Q2383-01	BF142832.D	24 Jun 2025 21:38	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142833.D	25 Jun 2025 12:17	RC/JU	Ok
2	SSTDCCC040	BF142834.D	25 Jun 2025 13:25	RC/JU	Ok,NR
3	PB168592BL	BF142835.D	25 Jun 2025 13:55	RC/JU	Ok
4	PB168592BS	BF142836.D	25 Jun 2025 14:25	RC/JU	Ok,NR
5	PB168592BSD	BF142837.D	25 Jun 2025 14:55	RC/JU	Ok,NR
6	PB168601BL	BF142838.D	25 Jun 2025 15:26	RC/JU	Ok
7	PB168601BS	BF142839.D	25 Jun 2025 15:57	RC/JU	Ok
8	Q2393-01	BF142840.D	25 Jun 2025 16:32	RC/JU	Ok
9	Q2393-03	BF142841.D	25 Jun 2025 17:02	RC/JU	Ok
10	Q2394-01	BF142842.D	25 Jun 2025 17:33	RC/JU	Ok
11	Q2394-01MS	BF142843.D	25 Jun 2025 18:04	RC/JU	Ok
12	Q2394-01MSD	BF142844.D	25 Jun 2025 18:35	RC/JU	Ok
13	Q2386-02	BF142845.D	25 Jun 2025 19:06	RC/JU	Ok
14	Q2386-02MS	BF142846.D	25 Jun 2025 19:37	RC/JU	Ok
15	Q2386-02MSD	BF142847.D	25 Jun 2025 20:07	RC/JU	Ok
16	Q2388-04	BF142848.D	25 Jun 2025 20:38	RC/JU	Ok
17	Q2389-04	BF142849.D	25 Jun 2025 21:09	RC/JU	Ok
18	Q2399-01	BF142850.D	25 Jun 2025 21:40	RC/JU	Ok
19	Q2399-05	BF142851.D	25 Jun 2025 22:10	RC/JU	Ok
20	Q2386-01DL	BF142852.D	25 Jun 2025 22:41	RC/JU	Dilution
21	Q2386-01DL2	BF142853.D	25 Jun 2025 23:11	RC/JU	Ok,NR

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 # BF062525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2412-01	BF142854.D	25 Jun 2025 23:41	RC/JU	Ok,NR
23	Q2403-03	BF142855.D	26 Jun 2025 00:12	RC/JU	ReRun

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF061925

Review By	Rahul	Review On	6/23/2025 3:55:52 PM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:17:49 PM		
SubDirectory	BF061925	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12670,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142787.D	19 Jun 2025 16:37		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142788.D	19 Jun 2025 17:07		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142789.D	19 Jun 2025 17:38		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF142790.D	19 Jun 2025 18:08		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142791.D	19 Jun 2025 18:39		RC/JU	Ok
6	SSTDICC040	SSTDICC040	BF142792.D	19 Jun 2025 19:09	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF142793.D	19 Jun 2025 19:40		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF142794.D	19 Jun 2025 20:10		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF142795.D	19 Jun 2025 20:40	Compound #09 removed from 80 PPM.	RC/JU	Ok
10	SSTDICV040	ICVBF061925	BF142796.D	19 Jun 2025 21:10		RC/JU	Ok
11	PB168536BL	PB168536BL	BF142797.D	19 Jun 2025 22:10		RC/JU	Ok
12	PB168536BS	PB168536BS	BF142798.D	19 Jun 2025 22:40		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142810.D	24 Jun 2025 09:46		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142811.D	24 Jun 2025 10:16		RC/JU	Ok
3	PB168582BL	PB168582BL	BF142812.D	24 Jun 2025 10:46		RC/JU	Ok
4	PB168582BS	PB168582BS	BF142813.D	24 Jun 2025 11:17		RC/JU	Ok,M
5	Q2388-01	TP-12	BF142814.D	24 Jun 2025 11:51		RC/JU	Ok
6	Q2380-01	72-11948	BF142815.D	24 Jun 2025 12:22	Internal Standard Fail	RC/JU	Ok,M
7	Q2380-03	VNJ-211	BF142816.D	24 Jun 2025 12:53		RC/JU	Ok,M
8	Q2381-01	291431	BF142817.D	24 Jun 2025 13:24		RC/JU	Ok,M
9	Q2381-05	72-11929	BF142818.D	24 Jun 2025 13:54	Internal Standard Fail	RC/JU	Ok,M
10	Q2385-01	A5311	BF142819.D	24 Jun 2025 14:57		RC/JU	Ok
11	Q2372-01	GAV1W	BF142820.D	24 Jun 2025 15:28		RC/JU	Ok
12	Q2386-01	SU-1-062025	BF142821.D	24 Jun 2025 15:59	Internal Standard Fail, Run 10X Dilution and then decide further dilution	RC/JU	Dilution
13	Q2392-01	S-1	BF142822.D	24 Jun 2025 16:30		RC/JU	Ok
14	Q2393-11	PARK AVE -6	BF142823.D	24 Jun 2025 17:01		RC/JU	Ok
15	Q2393-05	PARK AVE -3	BF142824.D	24 Jun 2025 17:33		RC/JU	Ok,M
16	Q2393-07	PARK AVE -4	BF142825.D	24 Jun 2025 18:03		RC/JU	Ok,M
17	Q2393-09	PARK AVE -5	BF142826.D	24 Jun 2025 18:34		RC/JU	Ok,M

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 # BF062425

Review By	Rahul	Review On	6/25/2025 10:47:43 AM		
Supervise By	Jagrut	Supervise On	6/25/2025 11:19:22 AM		
SubDirectory	BF062425	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2398-06	ARS20-0036	BF142827.D	24 Jun 2025 19:05	Internal Standard Fail	RC/JU	Ok,M
19	Q2398-03	M00-25-0179	BF142828.D	24 Jun 2025 19:36	Internal Standard Fail	RC/JU	Ok,M
20	Q2381-03	VNJ-207	BF142829.D	24 Jun 2025 20:07		RC/JU	Ok,M
21	Q2380-05	RBR-200059	BF142830.D	24 Jun 2025 20:38		RC/JU	Ok,M
22	Q2384-01	OK-01-6202025	BF142831.D	24 Jun 2025 21:08		RC/JU	Ok,M
23	Q2383-01	RT-5376	BF142832.D	24 Jun 2025 21:38	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF062525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142833.D	25 Jun 2025 12:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142834.D	25 Jun 2025 13:25		RC/JU	Ok,NR
3	PB168592BL	PB168592BL	BF142835.D	25 Jun 2025 13:55		RC/JU	Ok
4	PB168592BS	PB168592BS	BF142836.D	25 Jun 2025 14:25		RC/JU	Ok,NR
5	PB168592BSD	PB168592BSD	BF142837.D	25 Jun 2025 14:55		RC/JU	Ok,NR
6	PB168601BL	PB168601BL	BF142838.D	25 Jun 2025 15:26		RC/JU	Ok
7	PB168601BS	PB168601BS	BF142839.D	25 Jun 2025 15:57		RC/JU	Ok
8	Q2393-01	PARK AVE -1	BF142840.D	25 Jun 2025 16:32		RC/JU	Ok
9	Q2393-03	PARK AVE -2	BF142841.D	25 Jun 2025 17:02		RC/JU	Ok
10	Q2394-01	MH-K/L	BF142842.D	25 Jun 2025 17:33		RC/JU	Ok
11	Q2394-01MS	MH-K/LMS	BF142843.D	25 Jun 2025 18:04		RC/JU	Ok
12	Q2394-01MSD	MH-K/LMSD	BF142844.D	25 Jun 2025 18:35		RC/JU	Ok
13	Q2386-02	SU-1-062025	BF142845.D	25 Jun 2025 19:06		RC/JU	Ok
14	Q2386-02MS	SU-1-062025MS	BF142846.D	25 Jun 2025 19:37		RC/JU	Ok
15	Q2386-02MSD	SU-1-062025MSD	BF142847.D	25 Jun 2025 20:07		RC/JU	Ok
16	Q2388-04	TP-12	BF142848.D	25 Jun 2025 20:38		RC/JU	Ok
17	Q2389-04	MH-J-I	BF142849.D	25 Jun 2025 21:09		RC/JU	Ok
18	Q2399-01	TP-13	BF142850.D	25 Jun 2025 21:40		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 # BF062525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062525	HP Acquire Method	BNA_F	HP Processing Method	bf061925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12671,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2399-05	EP-7	BF142851.D	25 Jun 2025 22:10		RC/JU	Ok
20	Q2386-01DL	SU-1-062025DL	BF142852.D	25 Jun 2025 22:41	Need Further 50X Dilution	RC/JU	Dilution
21	Q2386-01DL2	SU-1-062025DL2	BF142853.D	25 Jun 2025 23:11		RC/JU	Ok,NR
22	Q2412-01	TR-05-062425	BF142854.D	25 Jun 2025 23:41		RC/JU	Ok,NR
23	Q2403-03	LAW-25-0093	BF142855.D	26 Jun 2025 00:12	Surrogate fail, CCC failed high side for #84	RC/JU	ReRun

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2392-01	S-1	1	1.15	10.05	11.2	10.42	92.2	
Q2392-02	S-1A	2	1.18	10.49	11.67	10.97	93.3	
Q2393-01	PARK AVE -1	3	1.17	10.34	11.51	9.78	83.3	
Q2393-02	PARK AVE -1	4	1.15	10.07	11.22	9.4	81.9	
Q2393-03	PARK AVE -2	5	1.13	10.85	11.98	10.19	83.5	
Q2393-04	PARK AVE -2	6	1.19	10.26	11.45	9.55	81.5	
Q2393-05	PARK AVE -3	7	1.12	10.25	11.37	10.00	86.6	
Q2393-06	PARK AVE -3	8	1.15	10.84	11.99	10.5	86.3	
Q2393-07	PARK AVE -4	9	1.16	10.70	11.86	10.54	87.7	
Q2393-08	PARK AVE -4	10	1.19	9.86	11.05	9.84	87.7	
Q2393-09	PARK AVE -5	11	1.15	10.84	11.99	11.05	91.3	
Q2393-10	PARK AVE -5	12	1.15	9.95	11.1	9.95	88.4	
Q2393-11	PARK AVE -6	13	1.19	10.23	11.42	10.07	86.8	
Q2393-12	PARK AVE -6	14	1.17	10.52	11.69	10.4	87.7	
Q2394-01	MH-K/L	15	1.18	10.49	11.67	10.23	86.3	
Q2394-02	MH-K/L EPH	16	1.19	9.97	11.16	9.58	84.2	
Q2394-03	MH-K/L VOC	17	1.13	10.86	11.99	10.66	87.8	
Q2394-04	MH-K/L	18	1.18	10.49	11.67	10.23	86.3	
Q2396-01	245F53-1-1	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-02	245F53-1-2	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-03	LAW-25-1A	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-04	LAW-25-1B	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-05	LAW-25-2A	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-06	LAW-25-2B	24	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-07	LAW-25-3A	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-08	LAW-25-3B	26	1.00	1.00	2.00	2.00	100.0	oilc
Q2398-01	M00-25-0169	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2398-03	M00-25-0179	28	1.19	10.07	11.26	7.63	64.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q2398-04	M00-25-0179-E2	29	1.19	10.25	11.44	7.68	63.3	
Q2398-06	ARS20-0036	30	1.19	10.53	11.72	10.47	88.1	
Q2398-07	ARS20-0036-E2	31	1.12	10.77	11.89	10.9	90.8	
Q2399-01	TP-13	32	1.13	10.84	11.97	10.27	84.3	
Q2399-02	TP-13-EPH	33	1.19	10.36	11.55	9.96	84.7	
Q2399-03	TP-13-VOC	34	1.15	10.84	11.99	10.36	85.0	
Q2399-04	TP-13	35	1.13	10.84	11.97	10.27	84.3	
Q2399-05	EP-7	36	1.19	10.47	11.66	10.37	87.7	
Q2399-06	EP-7-EPH	37	1.19	10.47	11.66	10.33	87.3	
Q2399-07	EP-7-VOC	38	1.16	10.57	11.73	10.38	87.2	
Q2399-08	EP-13	39	1.19	10.47	11.66	10.37	87.7	
Q2400-01	B-156-SB01	40	1.17	10.58	11.75	10.11	84.5	
Q2400-02	B-134-SB01	41	1.19	10.00	11.19	9.49	83.0	
Q2403-03	LAW-25-0093	42	1.18	10.24	11.42	10.54	91.4	
Q2403-04	LAW-25-0093-E2	43	1.18	10.14	11.32	10.42	91.1	
Q2403-05	Concrete-062325	44	1.15	10.84	11.99	11.71	97.4	
Q2403-07	ARS 20-006	45	1.19	10.44	11.63	11.13	95.2	
Q2403-08	ARS020-0006-E2	46	1.18	10.64	11.82	11.09	93.1	
Q2405-01	MH-M/H	47	1.19	10.11	11.3	10.37	90.8	
Q2405-02	MH-M/N-EPH	48	1.19	10.01	11.2	10.15	89.5	
Q2405-03	MH-M/N-VOC	49	1.11	10.71	11.82	10.9	91.4	
Q2406-01	PUMPING-PLANT	50	1.00	1.00	2.00	2.00	100.0	oil sample
Q2409-02	COP-SOIL-PILE	51	1.18	10.58	11.76	11.38	96.4	
Q2410-01	TRE-25-0021	52	1.00	1.00	2.00	2.00	100.0	debris
Q2411-01	TRE-2002	53	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2412-01	TR-05-062425	54	1.18	10.08	11.26	10.94	96.8	
Q2412-02	TR-05-062425-E2	55	1.16	10.28	11.44	11.23	98.0	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136243

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

B136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2392-02	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2393-01	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-02	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-03	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-04	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-05	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-06	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-07	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-08	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-09	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-10	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-11	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-12	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-01	MH-K/L	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-02	MH-K/L EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-03	MH-K/L VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-04	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2396-01	245F53-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/23/2025	Chemtech -SO
Q2396-02	245F53-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-03	LAW-25-1A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by:

Raw Sample Relinquished by:

JR 06/24/25

Date/Time 06/24/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2396-04	LAW-25-1B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-05	LAW-25-2A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-06	LAW-25-2B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-07	LAW-25-3A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-08	LAW-25-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-01	M00-25-0169	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-03	M00-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-04	M00-25-0179-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-06	ARS20-0036	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-07	ARS20-0036-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-04	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-05	EP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-06	EP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-07	EP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-08	EP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-01	B-156-SB01	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-02	B-134-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2403-03	LAW-25-0093	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
					PSEG03	A32	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 06/24/25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

UB 136243

WorkList Name : %1-062425 **WorkList ID :** 190342 **Department :** Wet-Chemistry **Date :** 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2403-04	LAW-25-0093-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-05	Concrete-062325	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-07	ARS 20-006	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/23/2025	Chemtech -SO
Q2403-08	ARS020-0006-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2405-01	MH-M/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-02	MH-M/N-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-03	MH-M/N-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2406-01	PUMPING-PLANT	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/23/2025	Chemtech -SO
Q2409-02	COP-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	COPP02	D51	06/24/2025	Chemtech -SO
Q2410-01	TRE-25-0021	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2411-01	TRE-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2412-01	TR-05-062425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO
Q2412-02	TR-05-062425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO

Date/Time 06/24/25 15:10
Raw Sample Received by:
Raw Sample Relinquished by: SM

Date/Time 06/24/25 17:20
Raw Sample Received by: SM
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168601

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/24/2025
Matrix :	Solid			**Extraction Start Time :**	13:00
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	06/24/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	16:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

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	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
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	EP2612
Baked Na2SO4	N/A	EP2622
Sand	N/A	E2865
Methylene Chloride	N/A	E3943
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:

1.5ML Vail Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25	RS (EXT-Lab)	RC/SVOC
16:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168601

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/24/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168601BL	SBLK601	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB168601BS	SLCS601	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q2392-01	S-1	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		3
Q2393-01	PARK AVE -1	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	D		4
Q2393-03	PARK AVE -2	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	D		5
Q2393-05	PARK AVE -3	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		6
Q2393-07	PARK AVE -4	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	D		U2-1
Q2393-09	PARK AVE -5	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	D		2
Q2393-11	PARK AVE -6	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		3
Q2394-01	MH-K/L	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	D		4
Q2394-01MS	MH-K/LMS	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	D		5
Q2394-01MSD	MH-K/LMSD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	D		6
Q2398-03	M00-25-0179	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D	Small Partical	U3-1
Q2398-06	ARS20-0036	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		2
Q2399-01	TP-13	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	D		3
Q2399-05	EP-7	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	D		4

RS 6/24

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

1686
13:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2398 **WorkList ID :** 190360 **Department :** Extraction **Date :** 06-24-2025 12:52:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	EARTH03	A41	06/23/2025	8270E
Q2393-01	PARK AVE -1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-03	PARK AVE -2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-05	PARK AVE -3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-07	PARK AVE -4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-09	PARK AVE -5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2393-11	PARK AVE -6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	UNIO02	A22	06/23/2025	8270E
Q2394-01	MH-K/L	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A21	06/23/2025	8270E
Q2398-03	M00-25-0179	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2398-06	ARS20-0036	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A33	06/23/2025	8270E
Q2399-01	TP-13	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E
Q2399-05	EP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A41	06/23/2025	8270E

Date/Time 6/24/25 12:55
Raw Sample Received by: RJ (EXT Lab)
Raw Sample Relinquished by: SM

Date/Time 6/24/25 13:20
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT Lab)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. 22392
COC Number 2047491

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Earth Engineering
ADDRESS: 4103 Commerce Ln
CITY West Berlin STATE: NJ ZIP:
ATTENTION: Frank Dougherty
PHONE: 856-768-1001 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Thomas McGovern
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: Frank Dougherty
e-mail: frankd@earthengineering.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: 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: TCLP VOC Portion of EPH 2 3. 4 5 6 7 8 9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	S-1	Soil		X	6/23/25	7:45	2	X		X							
2.	S-1A	"		X	"	7:25	1		X								
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/23/25 9:18	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2392 EARTH03
Client Name : Earth Engineering Inc.
Client Contact : Frank Dougherty, LSRP
Invoice Name : Earth Engineering Inc.
Invoice Contact : Frank Dougherty, LSRP

Order Date : 6/23/2025 10:03:33 AM
Project Name : Thomas McGovern
Receive DateTime : 6/23/2025 9:18:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2392-02	S-1A	Solid	06/23/2025	07:25					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		3 Bus. Days

Relinguished By :
Date / Time : 6/23/25 1145

Received By :
Date / Time : 06/23/25 11:45
Storage Area : VOA Refridgerator Room

Rg #6
B22