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

Cover Page

Order ID : Q2413

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2413-01	TP-35
Q2413-02	TP-34
Q2413-03	TP-77
Q2413-04	TP-74
Q2413-05	TP-73
Q2413-06	TP-72

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: 6/30/2025

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 #: **Q2413**

	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: **MAHESH PATEL** **Date:** **06/30/2025**

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

LAB CHRONICLE

OrderID:	Q2413	**OrderDate:**	6/24/2025 3:05:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	**TP-35**	**SOIL**			**06/23/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	
Q2413-02	**TP-34**	**SOIL**			**06/23/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	
Q2413-03	**TP-77**	**SOIL**			**06/23/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	
Q2413-04	**TP-74**	**SOIL**			**06/23/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	
Q2413-05	**TP-73**	**SOIL**			**06/23/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	
Q2413-06	**TP-72**	**SOIL**			**06/24/25**			**06/24/25**
			SVOC-TCL BNA -20	8270E		06/26/25	06/27/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2413

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : TP-35									
Q2413-01	TP-35	SOIL	Phenanthrene		160.000	J	23.5	190	ug/Kg
Q2413-01	TP-35	SOIL	Fluoranthene		440.000		33.7	190	ug/Kg
Q2413-01	TP-35	SOIL	Pyrene		250.000		40.4	190	ug/Kg
Q2413-01	TP-35	SOIL	Benzo(a)anthracene		250.000		25.8	190	ug/Kg
Q2413-01	TP-35	SOIL	Chrysene		220.000		22.4	190	ug/Kg
Q2413-01	TP-35	SOIL	Benzo(b)fluoranthene		320.000		21.3	190	ug/Kg
Q2413-01	TP-35	SOIL	Benzo(k)fluoranthene		130.000	J	25.2	190	ug/Kg
Q2413-01	TP-35	SOIL	Benzo(a)pyrene		220.000		33.1	190	ug/Kg
Q2413-01	TP-35	SOIL	Indeno(1,2,3-cd)pyrene		83.100	J	32.7	190	ug/Kg
Q2413-01	TP-35	SOIL	Benzo(g,h,i)perylene		85.000	J	28.9	190	ug/Kg
			Total Svoc :		**2,158.10**				
Q2413-01	TP-35	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A	0	0	ug/Kg
Q2413-01	TP-35	SOIL	Benzo[e]pyrene	*	160.000	J	0	0	ug/Kg
Q2413-01	TP-35	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q2413-01	TP-35	SOIL	n-Hexadecanoic acid	*	140.000	J	0	0	ug/Kg
Q2413-01	TP-35	SOIL	Pentafluoropropionic acid, heptad	*	110.000	J	0	0	ug/Kg
			Total Tics :		**900.00**				
			Total Concentration:		**3,058.10**				
Client ID : TP-34									
Q2413-02	TP-34	SOIL	Fluoranthene		130.000	J	32.6	180	ug/Kg
Q2413-02	TP-34	SOIL	Pyrene		75.500	J	39.1	180	ug/Kg
Q2413-02	TP-34	SOIL	Benzo(a)anthracene		100.000	J	25	180	ug/Kg
Q2413-02	TP-34	SOIL	Chrysene		83.400	J	21.6	180	ug/Kg
Q2413-02	TP-34	SOIL	Benzo(b)fluoranthene		200.000		20.6	180	ug/Kg
Q2413-02	TP-34	SOIL	Benzo(a)pyrene		120.000	J	32	180	ug/Kg
			Total Svoc :		**708.90**				
Q2413-02	TP-34	SOIL	Benzo[e]pyrene	*	96.300	J	0	0	ug/Kg
Q2413-02	TP-34	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q2413-02	TP-34	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A	0	0	ug/Kg
Q2413-02	TP-34	SOIL	Trifluoroacetoxy hexadecane	*	120.000	J	0	0	ug/Kg
Q2413-02	TP-34	SOIL	n-Hexadecanoic acid	*	130.000	J	0	0	ug/Kg
			Total Tics :		**836.30**				
			Total Concentration:		**1,545.20**				
Client ID : TP-77									
Q2413-03	TP-77	SOIL	Fluoranthene		75.700	J	32.7	190	ug/Kg
			Total Svoc :		**75.70**				
Q2413-03	TP-77	SOIL	n-Hexadecanoic acid	*	150.000	J	0	0	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: Q2413

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2413-03	TP-77	SOIL	1-Hexacosene	*	140.000	J	0	0	ug/Kg
Q2413-03	TP-77	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	230.000	A	0	0	ug/Kg
Q2413-03	TP-77	SOIL	Benzo[j]fluoranthene	*	110.000	J	0	0	ug/Kg
Q2413-03	TP-77	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
			Total Tics :		**910.00**				
			Total Concentration:		**985.70**				
Client ID :	**TP-74**								
Q2413-04	TP-74	SOIL	Fluoranthene		79.000	J	33.5	190	ug/Kg
Q2413-04	TP-74	SOIL	Benzo(b)fluoranthene		76.400	J	21.2	190	ug/Kg
			Total Svoc :		**155.40**				
Q2413-04	TP-74	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	A	0	0	ug/Kg
Q2413-04	TP-74	SOIL	n-Hexadecanoic acid	*	110.000	J	0	0	ug/Kg
Q2413-04	TP-74	SOIL	Trifluoroacetic acid, pentadecyl e	*	90.700	J	0	0	ug/Kg
Q2413-04	TP-74	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
			Total Tics :		**660.70**				
			Total Concentration:		**816.10**				
Client ID :	**TP-73**								
Q2413-05	TP-73	SOIL	Diethylphthalate		130.000	J	36.7	220	ug/Kg
			Total Svoc :		**130.00**				
Q2413-05	TP-73	SOIL	1,2,4,8-Tetramethylbicyclo[6.3.0]u	*	260.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	A	0	0	ug/Kg
Q2413-05	TP-73	SOIL	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	90.700	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Aromandendrene	*	220.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Benzophenone	*	350.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Cyclopentadecane	*	120.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	n-Hexadecanoic acid	*	480.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Octacosane	*	160.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Octacosanol	*	170.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Octadecanal	*	98.500	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Octadecanoic acid	*	120.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Octadecyl trifluoroacetate	*	440.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Oxirane, heptadecyl-	*	91.600	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Pentadecafluorooctanoic acid, oct	*	540.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	Tetratetracontane	*	180.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	unknown17.645	*	110.000	J	0	0	ug/Kg
Q2413-05	TP-73	SOIL	unknown17.727	*	170.000	J	0	0	ug/Kg
			Total Tics :		**3,870.80**				
			Total Concentration:		**4,000.80**				
Client ID :	**TP-72**								

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

Hit Summary Sheet
SW-846

SDG No.: Q2413

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2413-06	TP-72	SOIL	11-Methyltricosane	*	250.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	1-Ethyl-4-methylcyclohexane	*	100.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	330.000	A	0	0	ug/Kg
Q2413-06	TP-72	SOIL	5-Eicosene, (E)-	*	290.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Benzophenone	*	320.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	cis-3-Nonene	*	90.400	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	87.300	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Cyclohexane, 1,2,4-trimethyl-, (1.	*	130.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Cyclohexane, 1,2-dimethyl-, trans	*	78.100	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Cyclohexane, 1,3,5-trimethyl-, (1.	*	150.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Cyclohexane, 1-ethyl-2-methyl-	*	120.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Docosane	*	200.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Heptadecane	*	93.800	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Hexacosane	*	150.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	n-Hexadecanoic acid	*	170.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Nonadecane	*	120.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Nonane	*	160.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Octadecane	*	83.100	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Tricosane	*	230.000	J	0	0	ug/Kg
Q2413-06	TP-72	SOIL	Tridecane	*	92.700	J	0	0	ug/Kg
			Total Tics :		**3,245.40**				
			Total Concentration:		**3,245.40**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2413

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168625BL	PB168625BL	2-Fluorophenol	150	127	84		18	112
		Phenol-d6	150	127	85		15	107
		Nitrobenzene-d5	100	81.6	82		18	107
		2-Fluorobiphenyl	100	77.4	77		20	109
		2,4,6-Tribromophenol	150	134	89		10	116
		Terphenyl-d14	100	78.5	78		10	105
PB168625BS	PB168625BS	2-Fluorophenol	150	121	81		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	77.0	77		18	107
		2-Fluorobiphenyl	100	74.7	75		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	78.2	78		10	105
Q2413-01	TP-35	2-Fluorophenol	150	81.2	54		18	112
		Phenol-d6	150	82.7	55		15	107
		Nitrobenzene-d5	100	52.3	52		18	107
		2-Fluorobiphenyl	100	51.7	52		20	109
		2,4,6-Tribromophenol	150	76.5	51		10	116
		Terphenyl-d14	100	38.7	39		10	105
Q2413-02	TP-34	2-Fluorophenol	150	81.5	54		18	112
		Phenol-d6	150	82.0	55		15	107
		Nitrobenzene-d5	100	53.4	53		18	107
		2-Fluorobiphenyl	100	55.9	56		20	109
		2,4,6-Tribromophenol	150	76.9	51		10	116
		Terphenyl-d14	100	36.2	36		10	105
Q2413-03	TP-77	2-Fluorophenol	150	83.0	55		18	112
		Phenol-d6	150	82.9	55		15	107
		Nitrobenzene-d5	100	52.6	53		18	107
		2-Fluorobiphenyl	100	55.1	55		20	109
		2,4,6-Tribromophenol	150	73.8	49		10	116
		Terphenyl-d14	100	38.3	38		10	105
Q2413-04	TP-74	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	74.3	50		15	107
		Nitrobenzene-d5	100	48.7	49		18	107
		2-Fluorobiphenyl	100	48.2	48		20	109
		2,4,6-Tribromophenol	150	67.0	45		10	116
		Terphenyl-d14	100	32.5	32		10	105
Q2413-05	TP-73	2-Fluorophenol	150	79.3	53		18	112
		Phenol-d6	150	81.1	54		15	107
		Nitrobenzene-d5	100	50.3	50		18	107
		2-Fluorobiphenyl	100	51.8	52		20	109
		2,4,6-Tribromophenol	150	76.8	51		10	116
		Terphenyl-d14	100	34.5	34		10	105
Q2413-06	TP-72	2-Fluorophenol	150	82.7	55		18	112
		Phenol-d6	150	81.6	54		15	107
		Nitrobenzene-d5	100	54.7	55		18	107
		2-Fluorobiphenyl	100	56.7	57		20	109
		2,4,6-Tribromophenol	150	81.3	54		10	116
		Terphenyl-d14	100	39.0	39		10	105
Q2416-01MS	MH-G/HMS	2-Fluorophenol	150	72.2	48		18	112
		Phenol-d6	150	75.2	50		15	107
		Nitrobenzene-d5	100	45.0	45		18	107

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

Surrogate Summary

SW-846

SDG No.: Q2413

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2416-01MS	MH-G/HMS	2-Fluorobiphenyl	100	46.3	46		20	109
		2,4,6-Tribromophenol	150	68.4	46		10	116
		Terphenyl-d14	100	45.4	45		10	105
Q2416-01MSD	MH-G/HMSD	2-Fluorophenol	150	73.8	49		18	112
		Phenol-d6	150	76.1	51		15	107
		Nitrobenzene-d5	100	46.2	46		18	107
		2-Fluorobiphenyl	100	46.1	46		20	109
		2,4,6-Tribromophenol	150	70.7	47		10	116
		Terphenyl-d14	100	45.3	45		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.: Q2413

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2416-01MS		**Client Sample ID: MH-G/HMS**						**DataFile: BF142872.D**			
Benzaldehyde	1100	0	640	ug/Kg	58				10	171	
Phenol	1100	0	900	ug/Kg	82				51	122	
bis(2-Chloroethyl)ether	1100	0	940	ug/Kg	85				54	125	
2-Chlorophenol	1100	0	960	ug/Kg	87				51	121	
2-Methylphenol	1100	0	950	ug/Kg	86				47	125	
2,2-oxybis(1-Chloropropane)	1100	0	890	ug/Kg	81				46	119	
Acetophenone	1100	0	950	ug/Kg	86				55	128	
3+4-Methylphenols	1100	0	960	ug/Kg	87				49	125	
N-Nitroso-di-n-propylamine	1100	0	940	ug/Kg	85				59	119	
Hexachloroethane	1100	0	940	ug/Kg	85				51	116	
Nitrobenzene	1100	0	940	ug/Kg	85				47	124	
Isophorone	1100	0	940	ug/Kg	85				49	127	
2-Nitrophenol	1100	0	990	ug/Kg	90				43	131	
2,4-Dimethylphenol	1100	0	940	ug/Kg	85				63	151	
bis(2-Chloroethoxy)methane	1100	0	940	ug/Kg	85				51	119	
2,4-Dichlorophenol	1100	0	950	ug/Kg	86				50	122	
Naphthalene	1100	0	940	ug/Kg	85				51	121	
4-Chloroaniline	1100	0	220	ug/Kg	20				10	100	
Hexachlorobutadiene	1100	0	940	ug/Kg	85				44	126	
Caprolactam	1100	0	1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100	0	970	ug/Kg	88				57	132	
2-Methylnaphthalene	1100	0	940	ug/Kg	85				59	123	
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77				10	175	
2,4,6-Trichlorophenol	1100	0	920	ug/Kg	84				33	141	
2,4,5-Trichlorophenol	1100	0	940	ug/Kg	85				38	135	
1,1-Biphenyl	1100	0	950	ug/Kg	86				55	131	
2-Chloronaphthalene	1100	0	940	ug/Kg	85				48	124	
2-Nitroaniline	1100	0	1000	ug/Kg	91				47	134	
Dimethylphthalate	1100	0	990	ug/Kg	90				54	120	
Acenaphthylene	1100	0	940	ug/Kg	85				57	125	
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91				48	127	
3-Nitroaniline	1100	0	480	ug/Kg	44				10	112	
Acenaphthene	1100	0	900	ug/Kg	82				70	121	
2,4-Dinitrophenol	2200	0	160	ug/Kg	7	*			10	155	
4-Nitrophenol	2200	0	1700	ug/Kg	77				10	175	
Dibenzofuran	1100	0	940	ug/Kg	85				52	114	
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91				41	140	
Diethylphthalate	1100	0	1000	ug/Kg	91				51	119	
4-Chlorophenyl-phenylether	1100	0	950	ug/Kg	86				48	122	
Fluorene	1100	0	950	ug/Kg	86				53	118	
4-Nitroaniline	1100	0	970	ug/Kg	88				29	140	
4,6-Dinitro-2-methylphenol	1100	0	200	ug/Kg	18				10	160	
N-Nitrosodiphenylamine	1100	0	970	ug/Kg	88				73	118	
4-Bromophenyl-phenylether	1100	0	980	ug/Kg	89				65	121	
Hexachlorobenzene	1100	0	970	ug/Kg	88				67	118	
Atrazine	1100	0	1200	ug/Kg	109				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.: Q2413

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	800	ug/Kg	36				13	153	
Phenanthrene	1100	0	950	ug/Kg	86				52	128	
Anthracene	1100	0	950	ug/Kg	86				62	124	
Carbazole	1100	0	960	ug/Kg	87				59	119	
Di-n-butylphthalate	1100	0	1100	ug/Kg	100				55	125	
Fluoranthene	1100	0	890	ug/Kg	81				44	125	
Pyrene	1100	0	900	ug/Kg	82				37	122	
Butylbenzylphthalate	1100	0	1200	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	1100	0	230	ug/Kg	21				15	112	
Benzo(a)anthracene	1100	0	960	ug/Kg	87				53	119	
Chrysene	1100	0	940	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91				42	169	
Di-n-octyl phthalate	1100	0	870	ug/Kg	79				51	156	
Benzo(b)fluoranthene	1100	0	1000	ug/Kg	91				52	117	
Benzo(k)fluoranthene	1100	0	960	ug/Kg	87				57	134	
Benzo(a)pyrene	1100	0	980	ug/Kg	89				70	142	
Indeno(1,2,3-cd)pyrene	1100	0	660	ug/Kg	60				40	129	
Dibenz(a,h)anthracene	1100	0	660	ug/Kg	60				43	123	
Benzo(g,h,i)perylene	1100	0	590	ug/Kg	54				24	125	
1,2,4,5-Tetrachlorobenzene	1100	0	940	ug/Kg	85				52	134	
1,4-Dioxane	1100	0	820	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1100	0	810	ug/Kg	74				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.: Q2413

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2416-01MSD		**Client Sample ID: MH-G/HMSD**						**DataFile:**	**BF142873.D**		
Benzaldehyde	1100	0	650	ug/Kg	59		2		10	171	20
Phenol	1100	0	920	ug/Kg	84		2		51	122	20
bis(2-Chloroethyl)ether	1100	0	950	ug/Kg	86		1		54	125	20
2-Chlorophenol	1100	0	960	ug/Kg	87		0		51	121	20
2-Methylphenol	1100	0	970	ug/Kg	88		2		47	125	20
2,2-oxybis(1-Chloropropane)	1100	0	910	ug/Kg	83		2		46	119	20
Acetophenone	1100	0	970	ug/Kg	88		2		55	128	20
3+4-Methylphenols	1100	0	980	ug/Kg	89		2		49	125	20
N-Nitroso-di-n-propylamine	1100	0	980	ug/Kg	89		5		59	119	20
Hexachloroethane	1100	0	950	ug/Kg	86		1		51	116	20
Nitrobenzene	1100	0	960	ug/Kg	87		2		47	124	20
Isophorone	1100	0	970	ug/Kg	88		3		49	127	20
2-Nitrophenol	1100	0	1000	ug/Kg	91		1		43	131	20
2,4-Dimethylphenol	1100	0	970	ug/Kg	88		3		63	151	20
bis(2-Chloroethoxy)methane	1100	0	970	ug/Kg	88		3		51	119	20
2,4-Dichlorophenol	1100	0	970	ug/Kg	88		2		50	122	20
Naphthalene	1100	0	960	ug/Kg	87		2		51	121	20
4-Chloroaniline	1100	0	240	ug/Kg	22		10		10	100	20
Hexachlorobutadiene	1100	0	950	ug/Kg	86		1		44	126	20
Caprolactam	1100	0	1100	ug/Kg	100		9		51	134	20
4-Chloro-3-methylphenol	1100	0	1000	ug/Kg	91		3		57	132	20
2-Methylnaphthalene	1100	0	970	ug/Kg	88		3		59	123	20
Hexachlorocyclopentadiene	2200	0	1700	ug/Kg	77		0		10	175	20
2,4,6-Trichlorophenol	1100	0	920	ug/Kg	84		0		33	141	20
2,4,5-Trichlorophenol	1100	0	950	ug/Kg	86		1		38	135	20
1,1-Biphenyl	1100	0	960	ug/Kg	87		1		55	131	20
2-Chloronaphthalene	1100	0	940	ug/Kg	85		0		48	124	20
2-Nitroaniline	1100	0	1000	ug/Kg	91		0		47	134	20
Dimethylphthalate	1100	0	1000	ug/Kg	91		1		54	120	20
Acenaphthylene	1100	0	950	ug/Kg	86		1		57	125	20
2,6-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		48	127	20
3-Nitroaniline	1100	0	490	ug/Kg	45		2		10	112	20
Acenaphthene	1100	0	930	ug/Kg	85		4		70	121	20
2,4-Dinitrophenol	2200	0	500	ug/Kg	23		107	*	10	155	20
4-Nitrophenol	2200	0	1800	ug/Kg	82		6		10	175	20
Dibenzofuran	1100	0	950	ug/Kg	86		1		52	114	20
2,4-Dinitrotoluene	1100	0	1000	ug/Kg	91		0		41	140	20
Diethylphthalate	1100	0	1000	ug/Kg	91		0		51	119	20
4-Chlorophenyl-phenylether	1100	0	950	ug/Kg	86		0		48	122	20
Fluorene	1100	0	960	ug/Kg	87		1		53	118	20
4-Nitroaniline	1100	0	980	ug/Kg	89		1		29	140	20
4,6-Dinitro-2-methylphenol	1100	0	400	ug/Kg	36		67	*	10	160	20
N-Nitrosodiphenylamine	1100	0	980	ug/Kg	89		1		73	118	20
4-Bromophenyl-phenylether	1100	0	1000	ug/Kg	91		2		65	121	20
Hexachlorobenzene	1100	0	970	ug/Kg	88		0		67	118	20
Atrazine	1100	0	1200	ug/Kg	109		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.: Q2413

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2200	0	1200	ug/Kg	55		42	*	13	153	20
Phenanthrene	1100	0	970	ug/Kg	88		2		52	128	20
Anthracene	1100	0	970	ug/Kg	88		2		62	124	20
Carbazole	1100	0	970	ug/Kg	88		1		59	119	20
Di-n-butylphthalate	1100	0	1200	ug/Kg	109		9		55	125	20
Fluoranthene	1100	0	950	ug/Kg	86		6		44	125	20
Pyrene	1100	0	890	ug/Kg	81		1		37	122	20
Butylbenzylphthalate	1100	0	1200	ug/Kg	109		0		44	135	20
3,3-Dichlorobenzidine	1100	0	220	ug/Kg	20		5		15	112	20
Benzo(a)anthracene	1100	0	970	ug/Kg	88		1		53	119	20
Chrysene	1100	0	970	ug/Kg	88		3		57	121	20
bis(2-Ethylhexyl)phthalate	1100	0	1000	ug/Kg	91		0		42	169	20
Di-n-octyl phthalate	1100	0	900	ug/Kg	82		4		51	156	20
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100		9		52	117	20
Benzo(k)fluoranthene	1100	0	1000	ug/Kg	91		4		57	134	20
Benzo(a)pyrene	1100	0	1000	ug/Kg	91		2		70	142	20
Indeno(1,2,3-cd)pyrene	1100	0	730	ug/Kg	66		10		40	129	20
Dibenz(a,h)anthracene	1100	0	730	ug/Kg	66		10		43	123	20
Benzo(g,h,i)perylene	1100	0	660	ug/Kg	60		11		24	125	20
1,2,4,5-Tetrachlorobenzene	1100	0	950	ug/Kg	86		1		52	134	20
1,4-Dioxane	1100	0	840	ug/Kg	76		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100	0	880	ug/Kg	80		8		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.: Q2413

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142885.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168625BS	Benzaldehyde	1700	940	ug/Kg	55				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	920	ug/Kg	54				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	2800	ug/Kg	85				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				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.: Q2413

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BF142885.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168625BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1700	ug/Kg	100				47	152	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	760	ug/Kg	45				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	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				63	101	
	Dibenz(a,h)anthracene	1700	1300	ug/Kg	76				61	112	
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				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.

PB168625BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Lab File ID: BF142884.D Lab Sample ID: PB168625BL

Instrument ID: BNA_F Date Extracted: 06/26/2025

Matrix: (soil/water) SOIL Date Analyzed: 06/27/2025

Level: (low/med) LOW Time Analyzed: 10:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168625BS	PB168625BS	BF142885.D	06/27/2025
TP-35	Q2413-01	BF142889.D	06/27/2025
TP-34	Q2413-02	BF142892.D	06/27/2025
TP-73	Q2413-05	BF142886.D	06/27/2025
TP-77	Q2413-03	BF142890.D	06/27/2025
TP-74	Q2413-04	BF142891.D	06/27/2025
TP-72	Q2413-06	BF142893.D	06/27/2025
MH-G/HMS	Q2416-01MS	BF142872.D	06/26/2025
MH-G/HMSD	Q2416-01MSD	BF142873.D	06/26/2025

COMMENTS:

Raw Data: **BF142787.D**

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: CAMP02

Lab Code: CHEM SAS No.: Q2413 SDG NO.: Q2413

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
SSTDICCC040	SSTDICCC040	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: CAMP02

Lab Code: CHEM SAS No.: Q2413 SDG NO.: Q2413

Lab File ID: BF142856.D DFTPP Injection Date: 06/26/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:10

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	33.7
70	Less than 2.0% of mass 69	0.2 (0.6) 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	6.9
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142857.D	06/26/2025	09:39
MH-G/HMS	Q2416-01MS	BF142872.D	06/26/2025	17:06
MH-G/HMSD	Q2416-01MSD	BF142873.D	06/26/2025	17:36

Raw Data: **BF142881.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: CAMP02

Lab Code: CHEM SAS No.: Q2413 SDG NO.: Q2413

Lab File ID: BF142881.D DFTPP Injection Date: 06/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:21

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	32.3
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	6.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.1
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	BF142882.D	06/27/2025	09:51
PB168625BL	PB168625BL	BF142884.D	06/27/2025	10:49
PB168625BS	PB168625BS	BF142885.D	06/27/2025	11:19
TP-73	Q2413-05	BF142886.D	06/27/2025	11:52
TP-35	Q2413-01	BF142889.D	06/27/2025	13:19
TP-77	Q2413-03	BF142890.D	06/27/2025	13:48
TP-74	Q2413-04	BF142891.D	06/27/2025	14:17
TP-34	Q2413-02	BF142892.D	06/27/2025	14:47
TP-72	Q2413-06	BF142893.D	06/27/2025	15:15

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.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/26/2025

Lab File ID: BF142857.D Time Analyzed: 09:39

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	77664	6.875	293795	8.16	161192	9.92
	UPPER LIMIT	155328	7.375	587590	8.663	322384	10.422
	LOWER LIMIT	38832	6.375	146898	7.663	80596	9.422
	EPA SAMPLE NO.						
01	MH-G/HMS	84939	6.88	322606	8.16	168684	9.92
02	MH-G/HMSD	79872	6.88	303973	8.16	162686	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.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/26/2025

Lab File ID: BF142857.D Time Analyzed: 09:39

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	275904	11.41	159836	14.057	144296	15.545
	UPPER LIMIT	551808	11.91	319672	14.557	288592	16.045
	LOWER LIMIT	137952	10.91	79918	13.557	72148	15.045
	EPA SAMPLE NO.						
01	MH-G/HMS	277774	11.41	149832	14.06	169288	15.55
02	MH-G/HMSD	266635	11.41	149914	14.06	166770	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.

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.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/27/2025

Lab File ID: BF142882.D Time Analyzed: 09:51

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	70500	6.875	264550	8.16	140000	9.92
	UPPER LIMIT	141000	7.375	529100	8.663	280000	10.422
	LOWER LIMIT	35250	6.375	132275	7.663	70000	9.422
	EPA SAMPLE NO.						
01	PB168625BL	77055	6.88	295430	8.16	162519	9.92
02	PB168625BS	79288	6.88	306414	8.16	167156	9.92
03	TP-73	71511	6.88	269771	8.16	131916	9.92
04	TP-35	69777	6.88	263920	8.16	134370	9.92
05	TP-34	74176	6.88	267947	8.16	125086	9.92
06	TP-77	71725	6.88	266677	8.16	131150	9.92
07	TP-74	73989	6.88	272969	8.16	135853	9.92
08	TP-72	68428	6.88	240509	8.16	109896	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.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/27/2025

Lab File ID: BF142882.D Time Analyzed: 09:51

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	234291	11.41	139168	14.057	151209	15.545
	UPPER LIMIT	468582	11.91	278336	14.557	302418	16.045
	LOWER LIMIT	117146	10.91	69584	13.557	75604.5	15.045
	EPA SAMPLE NO.						
01	PB168625BL	284575	11.40	168482	14.05	158706	15.55
02	PB168625BS	286462	11.41	164874	14.06	166752	15.55
03	TP-73	195199	11.40	151359	14.05	151859	15.55
04	TP-35	199779	11.40	149012	14.05	152863	15.55
05	TP-34	186159	11.40	169043	14.05	135290	15.55
06	TP-77	189644	11.40	153845	14.05	153297	15.55
07	TP-74	197144	11.40	161564	14.05	156020	15.55
08	TP-72	174745	11.41	163929	14.06	110583	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: **BF142889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142889.D	1	06/26/25 09:20	06/27/25 13:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	370	ug/Kg
108-95-2	Phenol	24.8	U	24.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.3	U	27.3	190	ug/Kg
95-57-8	2-Chlorophenol	27.4	U	27.4	190	ug/Kg
95-48-7	2-Methylphenol	33.6	U	33.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42.1	U	42.1	190	ug/Kg
98-86-2	Acetophenone	33.1	U	33.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	46.2	U	46.2	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.3	U	53.3	89.9	ug/Kg
67-72-1	Hexachloroethane	19.8	U	19.8	190	ug/Kg
98-95-3	Nitrobenzene	20.6	U	20.6	190	ug/Kg
78-59-1	Isophorone	36.9	U	36.9	190	ug/Kg
88-75-5	2-Nitrophenol	65.4	U	65.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.8	U	72.8	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.6	U	34.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.8	U	31.8	190	ug/Kg
91-20-3	Naphthalene	25.5	U	25.5	190	ug/Kg
106-47-8	4-Chloroaniline	39.8	U	39.8	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.4	U	28.4	190	ug/Kg
105-60-2	Caprolactam	58.5	U	58.5	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.2	U	32.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.8	U	28.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.2	U	22.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.7	U	32.7	190	ug/Kg
92-52-4	1,1-Biphenyl	24.5	U	24.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.3	U	25.3	190	ug/Kg
88-74-4	2-Nitroaniline	54.0	U	54.0	190	ug/Kg
131-11-3	Dimethylphthalate	30.4	U	30.4	190	ug/Kg

Raw Data: **BF142889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142889.D	1	06/26/25 09:20	06/27/25 13:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.5	U	32.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.7	U	37.7	190	ug/Kg
99-09-2	3-Nitroaniline	51.7	U	51.7	190	ug/Kg
83-32-9	Acenaphthene	23.9	U	23.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.5	U	25.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.3	U	56.3	190	ug/Kg
84-66-2	Diethylphthalate	31.8	U	31.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.0	U	30.0	190	ug/Kg
86-73-7	Fluorene	28.4	U	28.4	190	ug/Kg
100-01-6	4-Nitroaniline	72.1	U	72.1	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.0	U	37.0	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.2	U	31.2	190	ug/Kg
118-74-1	Hexachlorobenzene	28.4	U	28.4	190	ug/Kg
1912-24-9	Atrazine	38.2	U	38.2	190	ug/Kg
87-86-5	Pentachlorophenol	57.6	U	57.6	370	ug/Kg
85-01-8	Phenanthrene	160	J	23.5	190	ug/Kg
120-12-7	Anthracene	37.4	U	37.4	190	ug/Kg
86-74-8	Carbazole	35.1	U	35.1	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.8	U	53.8	190	ug/Kg
206-44-0	Fluoranthene	440		33.7	190	ug/Kg
129-00-0	Pyrene	250		40.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	80.2	U	80.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41.2	U	41.2	370	ug/Kg
56-55-3	Benzo(a)anthracene	250		25.8	190	ug/Kg
218-01-9	Chrysene	220		22.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.5	U	66.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	97.5	U	97.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	320		21.3	190	ug/Kg

Raw Data: **BF142889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142889.D	1	06/26/25 09:20	06/27/25 13:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	J	25.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	220		33.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.1	J	32.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.8	U	30.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.0	J	28.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.8	U	28.8	190	ug/Kg
123-91-1	1,4-Dioxane	50.8	U	50.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.8	U	30.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.2		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	82.7		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.3		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.7		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.5		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	38.7		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69800	6.875			
1146-65-2	Naphthalene-d8	264000	8.157			
15067-26-2	Acenaphthene-d10	134000	9.916			
1517-22-2	Phenanthrene-d10	200000	11.404			
1719-03-5	Chrysene-d12	149000	14.051			
1520-96-3	Perylene-d12	153000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A		5.09	ug/Kg
000119-61-9	Benzophenone	260	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	140	J		11.9	ug/Kg
959218-78-1	Pentafluoropropionic acid, heptade	110	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	160	J		15.4	ug/Kg

Raw Data: **BF142889.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142889.D	1	06/26/25 09:20	06/27/25 13:19	PB168625

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\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

Quant Time: Jun 27 13:49:37 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

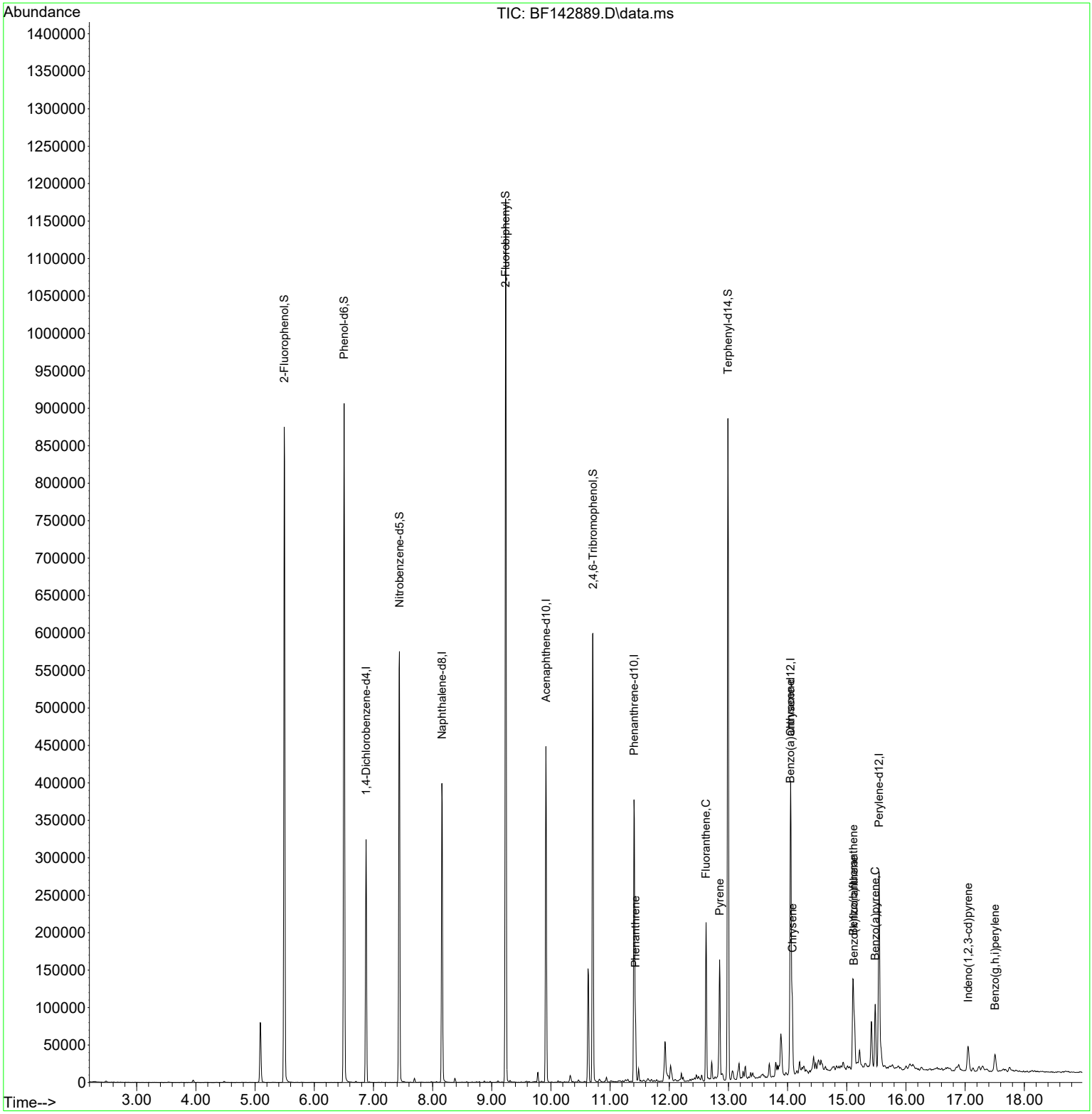
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69777	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263920	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	134370	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	199779	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149012	20.000	ng	0.00
86) Perylene-d12	15.545	264	152863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	340387	81.219	ng	0.00
7) Phenol-d6	6.504	99	409015	82.720	ng	0.00
23) Nitrobenzene-d5	7.439	82	251521	52.274	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	105823	76.530	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	528561	51.675	ng	-0.01
79) Terphenyl-d14	12.992	244	417524	38.715	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	46316	4.280	ng	99
75) Fluoranthene	12.621	202	121010	11.782	ng	99
78) Pyrene	12.851	202	94631	6.775	ng	99
81) Benzo(a)anthracene	14.045	228	68261m	6.790	ng	
83) Chrysene	14.080	228	51723	5.766	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	25850	2.220	ng	96
88) Benzo(b)fluoranthene	15.109	252	75991m	8.591	ng	
89) Benzo(k)fluoranthene	15.121	252	29658m	3.584	ng	
90) Benzo(a)pyrene	15.480	252	49698	5.816	ng	99
92) Benzo(g,h,i)perylene	17.503	276	21403	2.269	ng	99

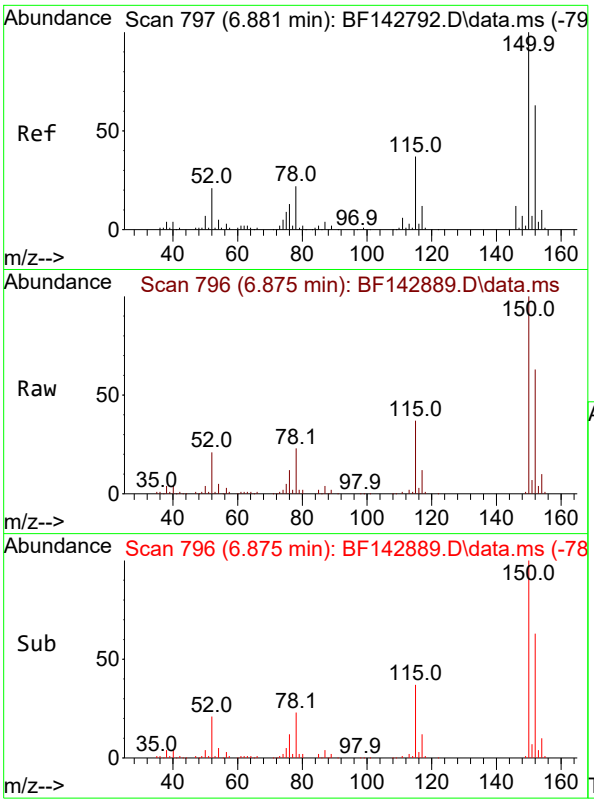
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

Quant Time: Jun 27 13:49:37 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



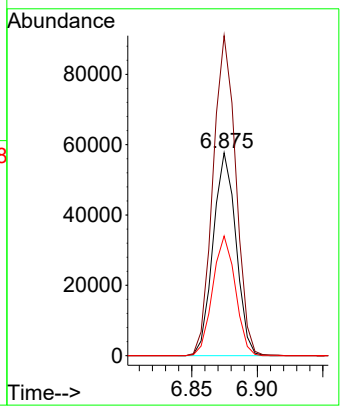


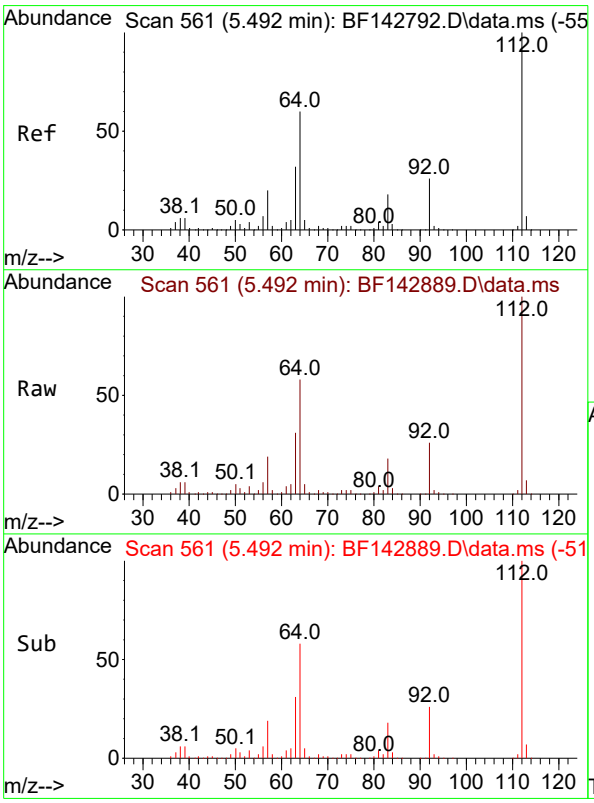
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:152 Resp: 69777

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.2	190.8
115	59.0	46.6	69.8

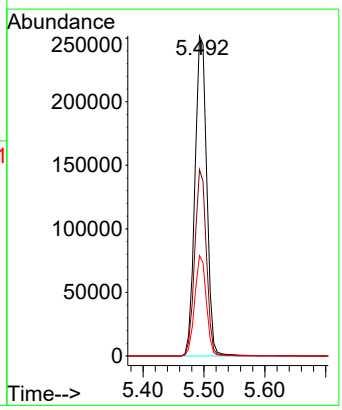


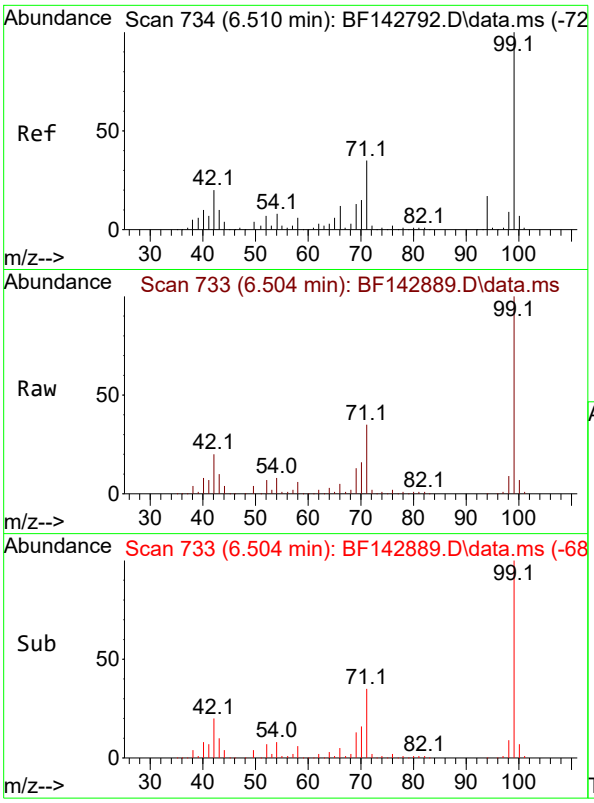


#5
2-Fluorophenol
Concen: 81.219 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:112 Resp: 340387

Ion	Ratio	Lower	Upper
112	100		
64	58.2	48.2	72.2
63	31.4	25.7	38.5



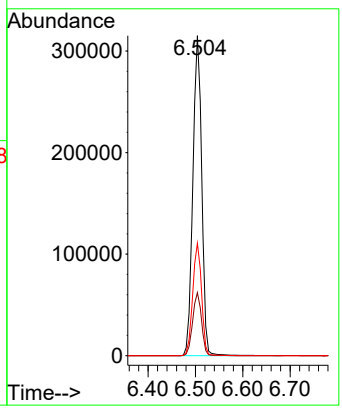


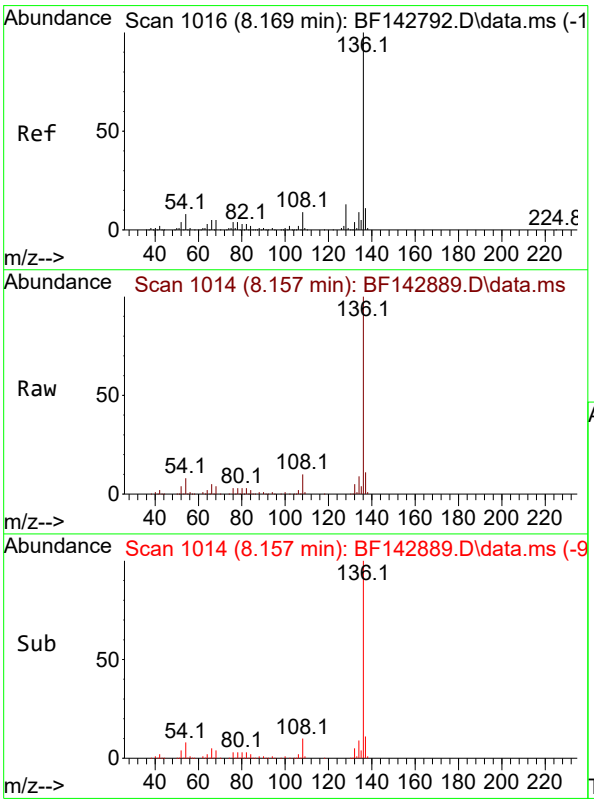
#7
Phenol-d6
Concen: 82.720 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion: 99 Resp: 409015

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.2	27.8	41.8

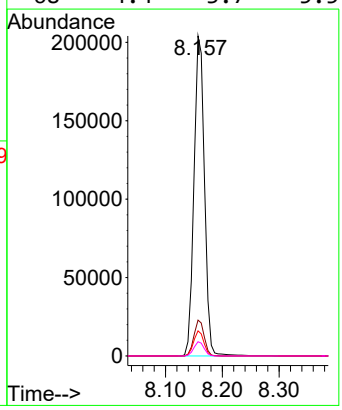


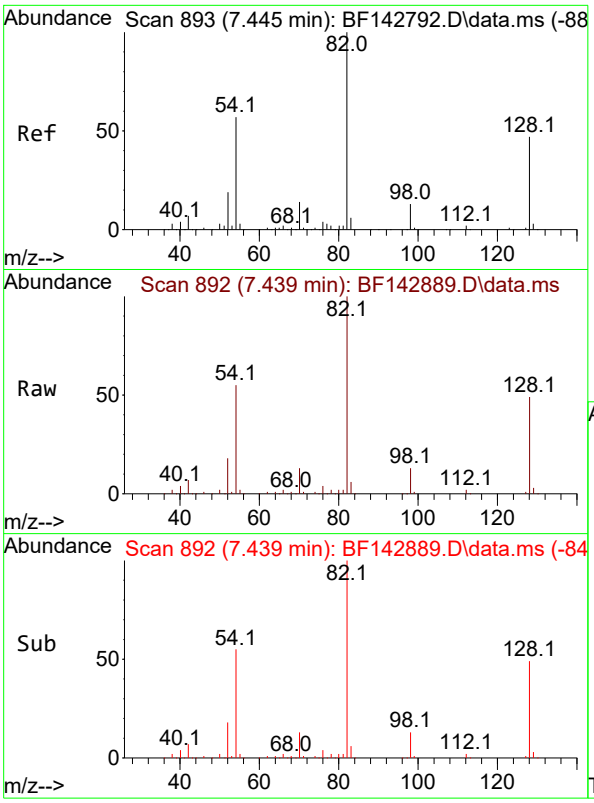


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:136 Resp: 263920

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	7.9	6.3	9.5
68	4.4	3.7	5.5



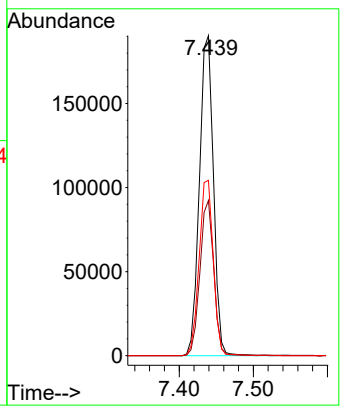


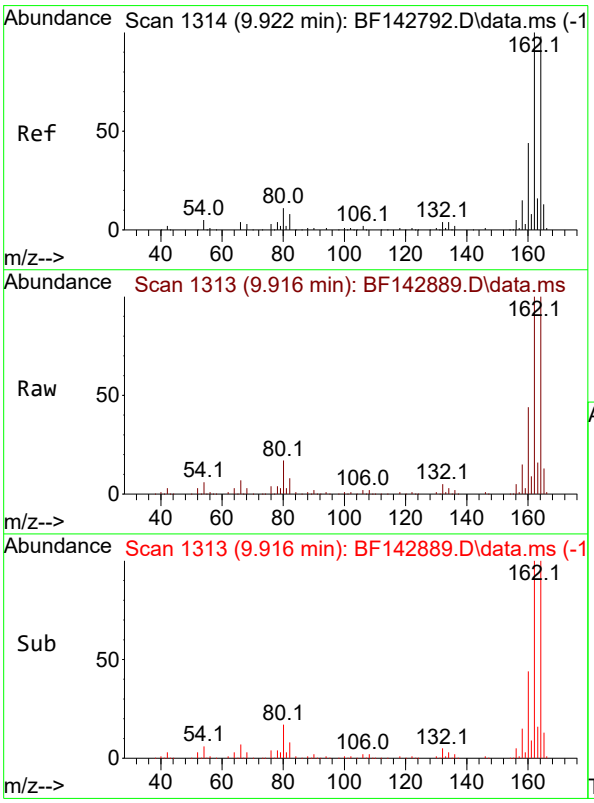
#23
Nitrobenzene-d5
Concen: 52.274 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion: 82 Resp: 251521

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.7	56.5
54	54.8	45.7	68.5

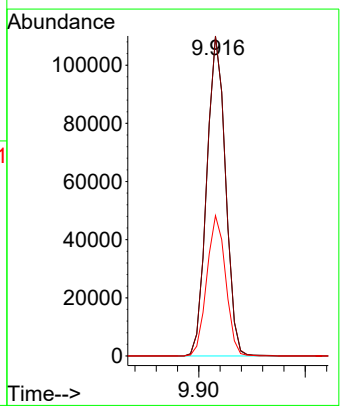


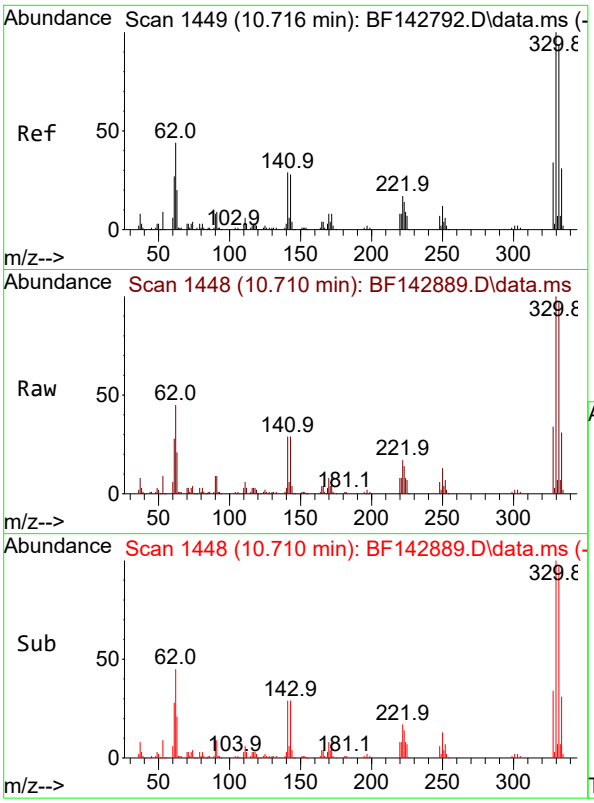


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:164 Resp: 134370

Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.8	122.8
160	43.9	36.0	54.0



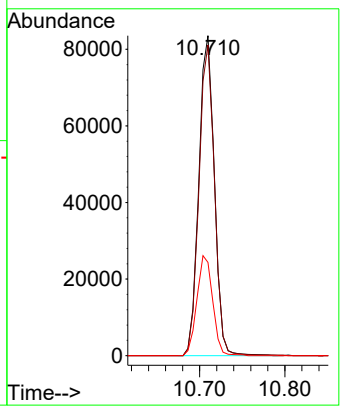


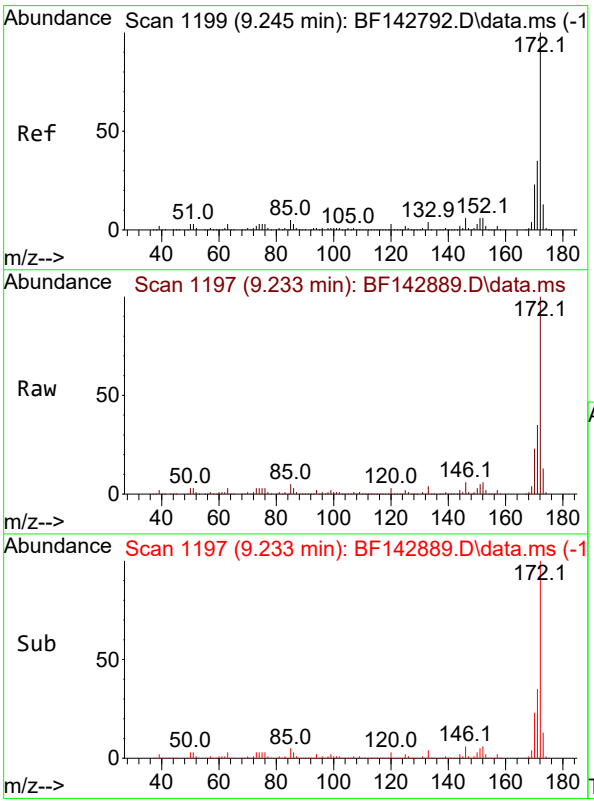
#42
2,4,6-Tribromophenol
Concen: 76.530 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:330 Resp: 105823

Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.0	112.6
141	31.8	25.3	37.9

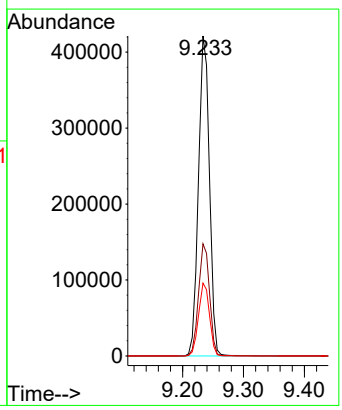


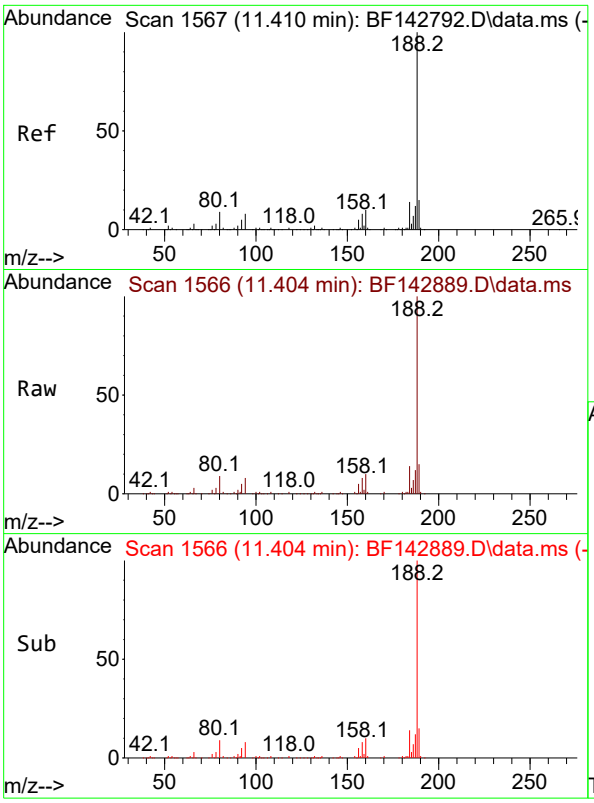


#45
2-Fluorobiphenyl
Concen: 51.675 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:172 Resp: 528561

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	22.7	18.5	27.7



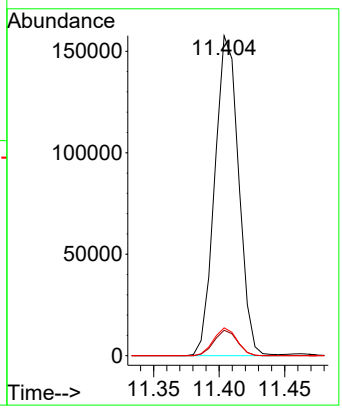


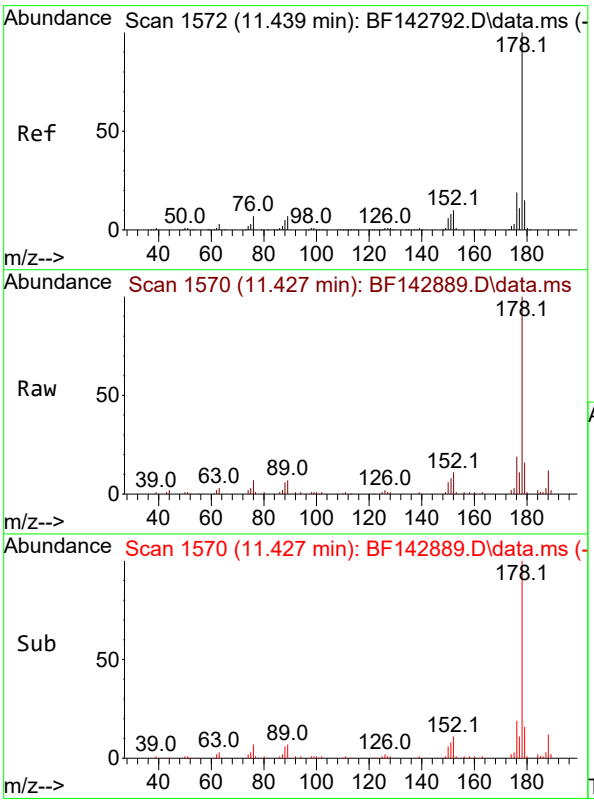
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:188 Resp: 199779

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.7	6.9	10.3

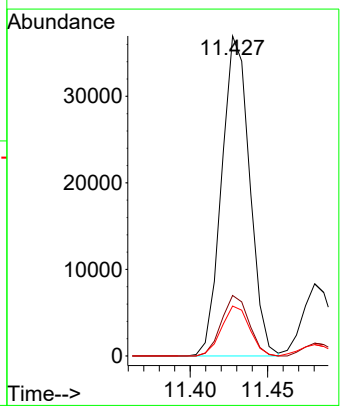


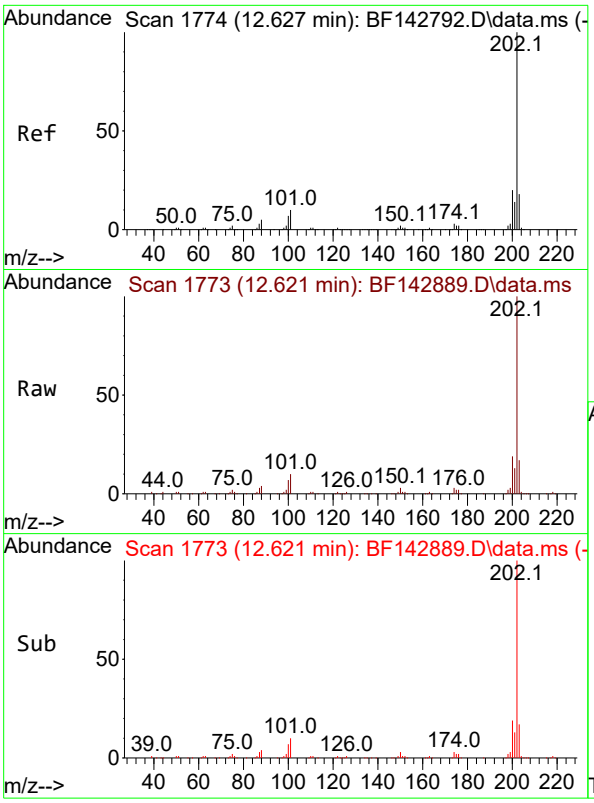


#71
Phenanthrene
Concen: 4.280 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:178 Resp: 46316

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.6	12.0	18.0



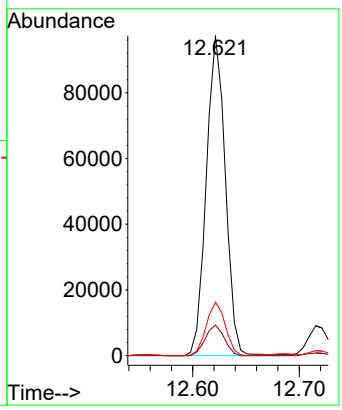


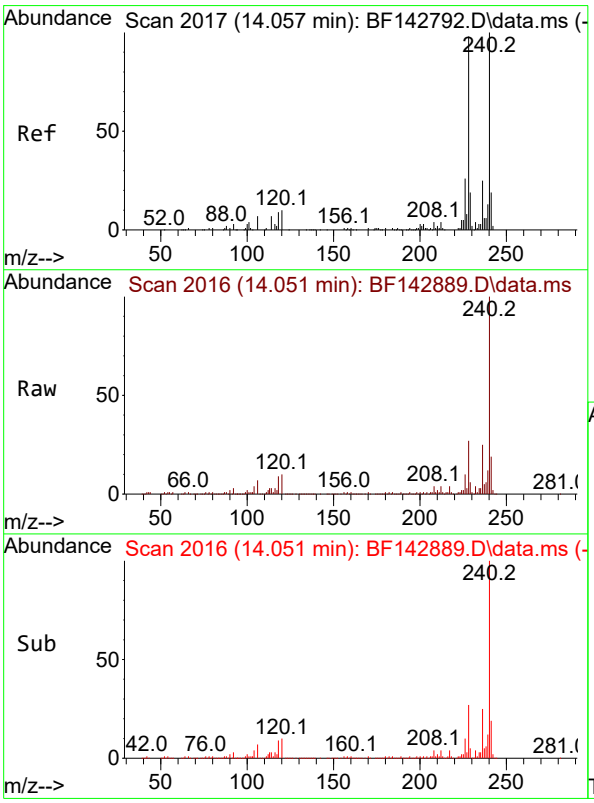
#75
Fluoranthene
Concen: 11.782 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:202 Resp: 121010

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.7
203	16.7	0.0	37.5

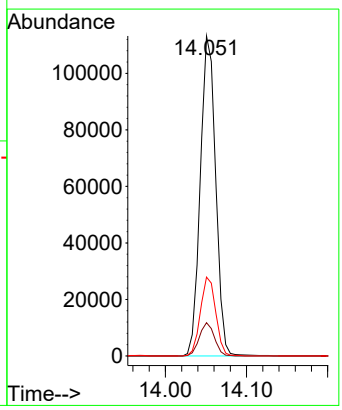


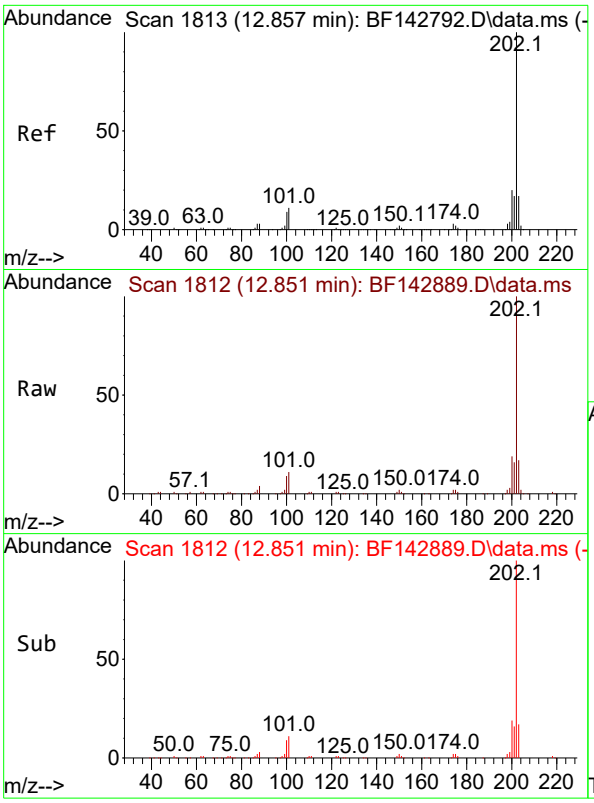


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:240 Resp: 149012

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	24.7	19.8	29.8



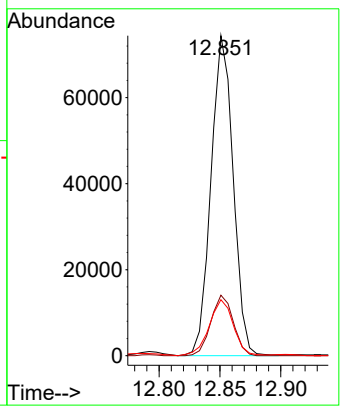


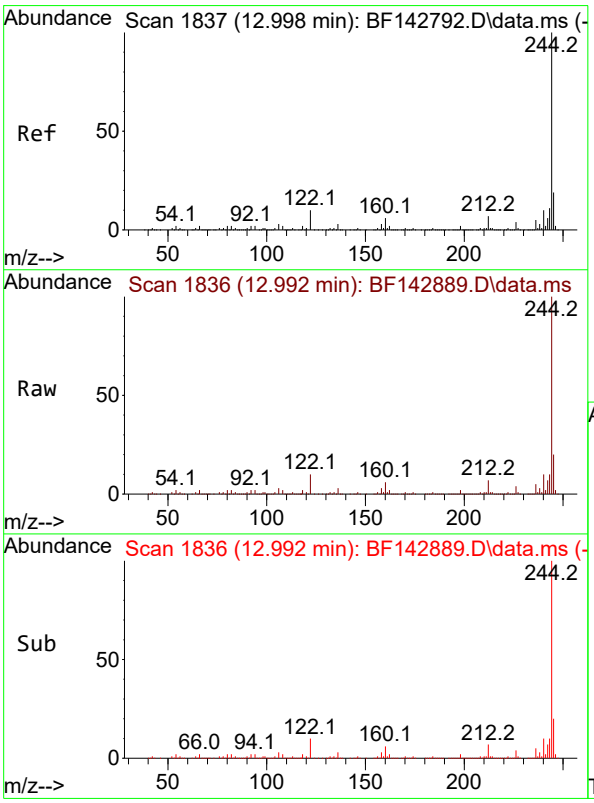
#78
Pyrene
Concen: 6.775 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:202 Resp: 94631

Ion	Ratio	Lower	Upper
202	100		
200	18.9	15.7	23.5
203	17.5	13.8	20.6

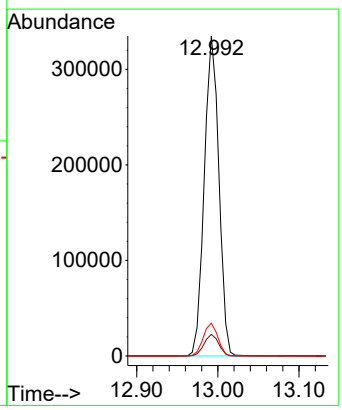


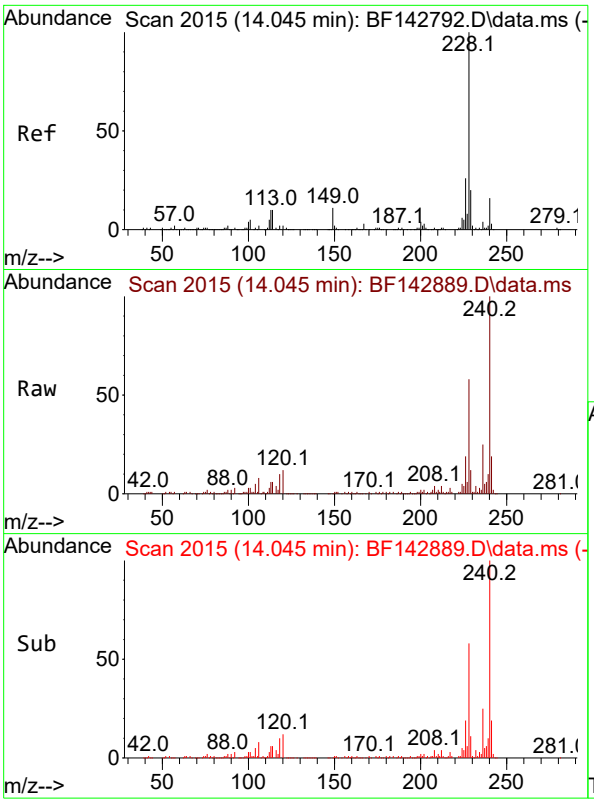


#79
Terphenyl-d14
Concen: 38.715 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:244 Resp: 417524

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.3	8.2	12.2



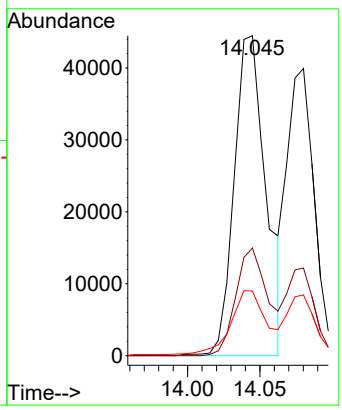


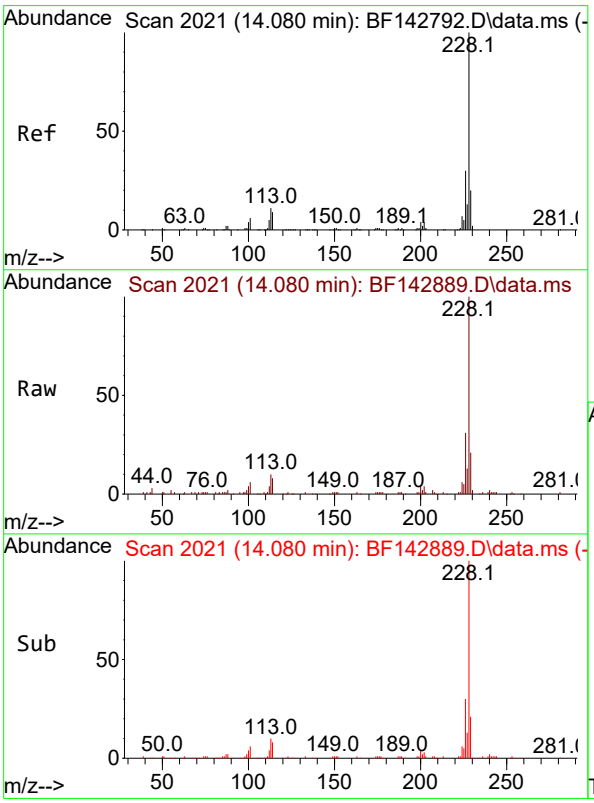
#81
Benzo(a)anthracene
Concen: 6.790 ng m
RT: 14.045 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:228 Resp: 68261

Ion	Ratio	Lower	Upper
228	100		
226	33.7	21.2	31.8#
229	20.2	15.6	23.4

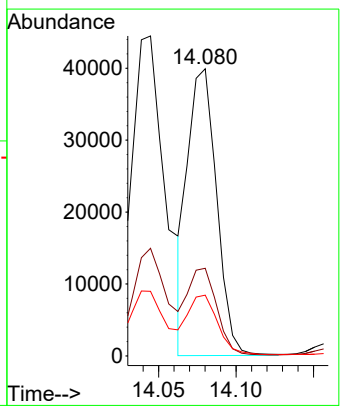


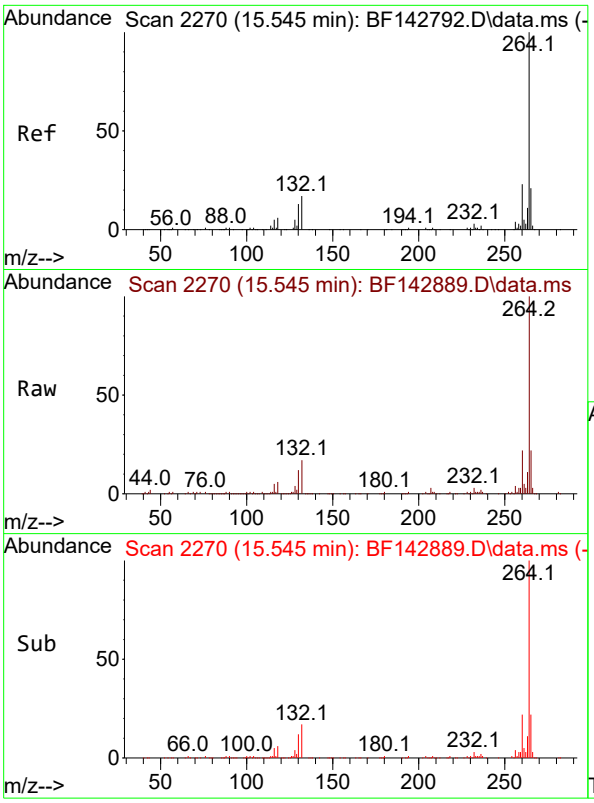


#83
Chrysene
Concen: 5.766 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:228 Resp: 51723

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.7	35.5
229	21.2	15.7	23.5



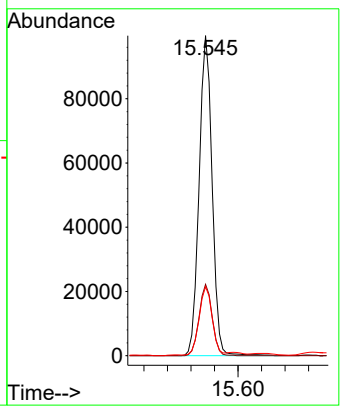


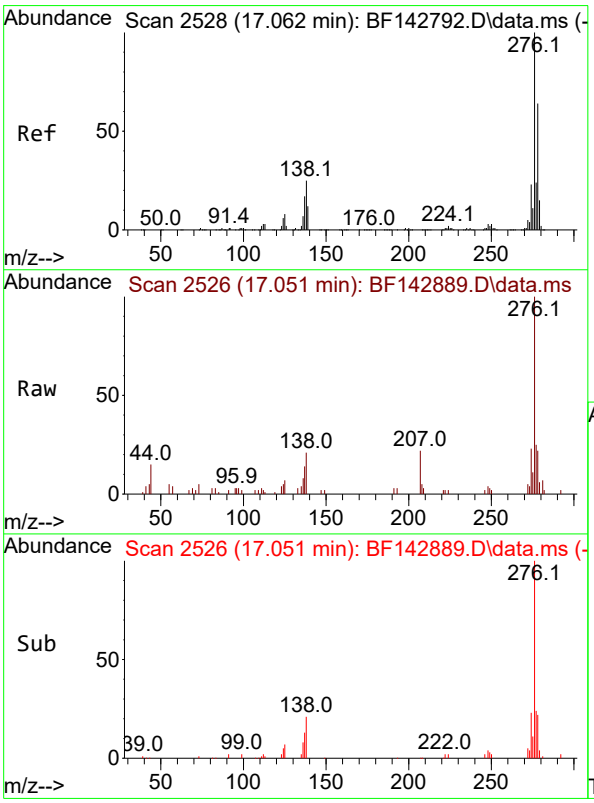
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:264 Resp: 152863

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.1	27.1
265	21.5	16.6	25.0

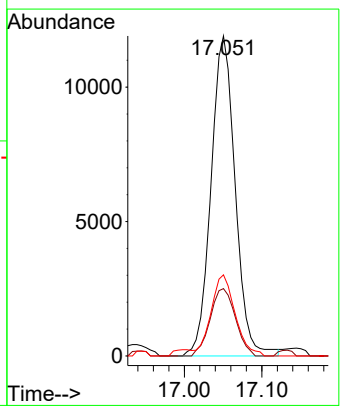


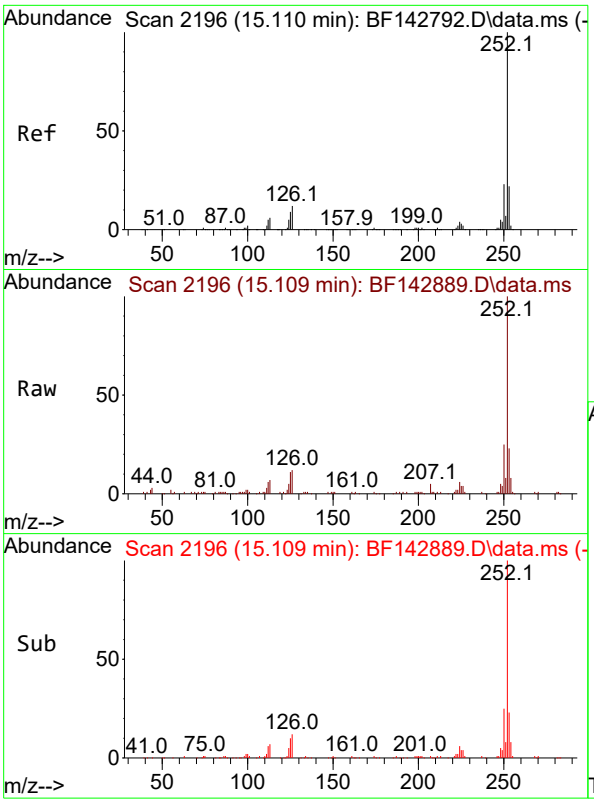


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.220 ng
RT: 17.051 min Scan# 2526
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:276 Resp: 25850

Ion	Ratio	Lower	Upper
276	100		
138	22.0	20.2	30.4
277	25.3	19.8	29.6



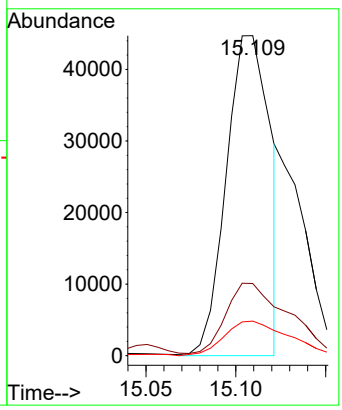


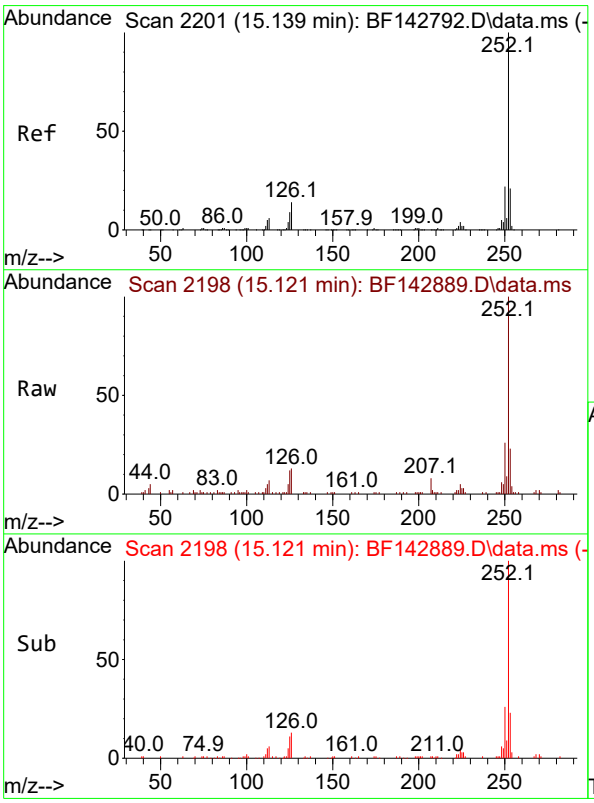
#88
Benzo(b)fluoranthene
Concen: 8.591 ng m
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:252 Resp: 75991

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.8	7.4	11.0

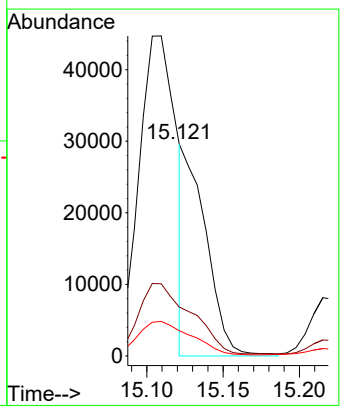


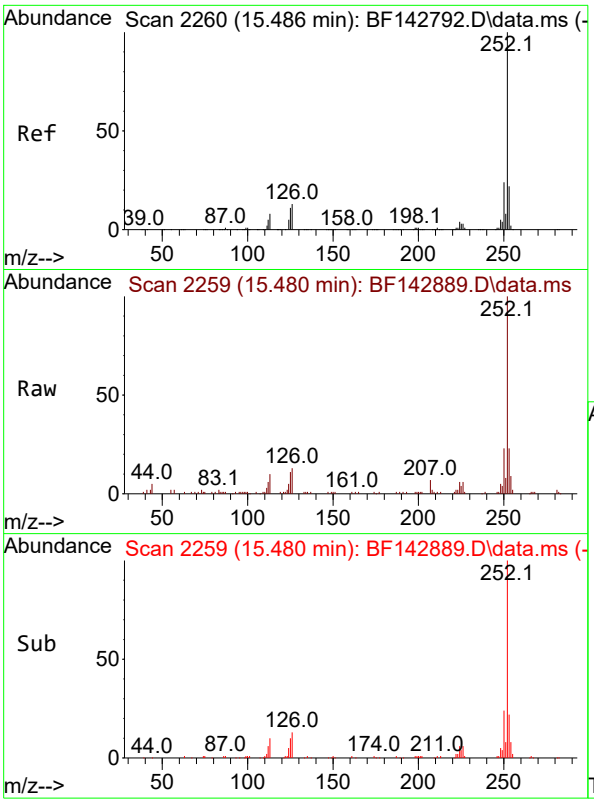


#89
Benzo(k)fluoranthene
Concen: 3.584 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:252 Resp: 29658

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	11.9	7.4	11.2#



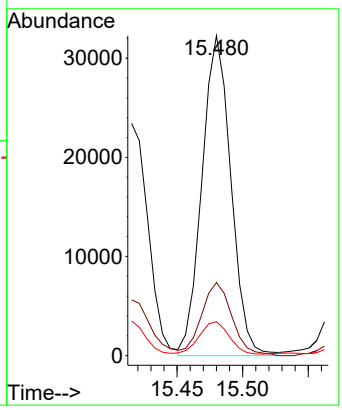


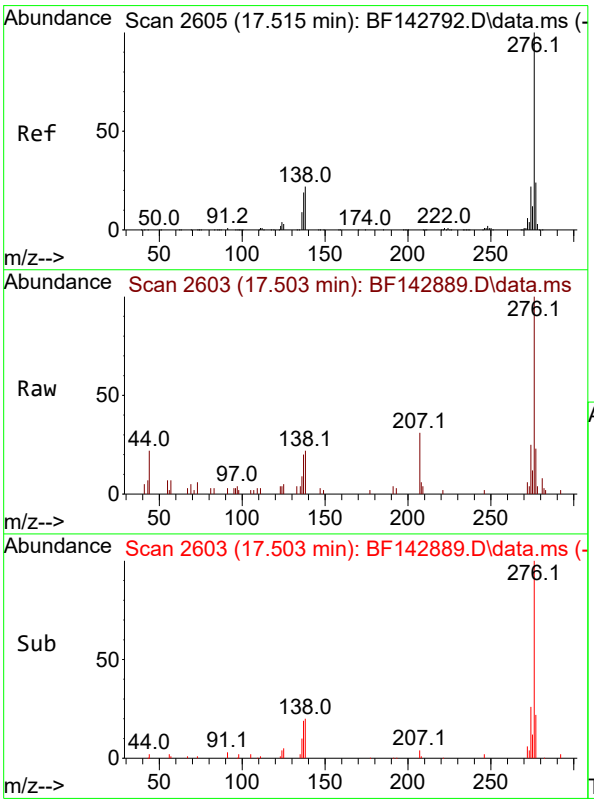
#90
Benzo(a)pyrene
Concen: 5.816 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:252 Resp: 49698

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.6	8.6	12.8

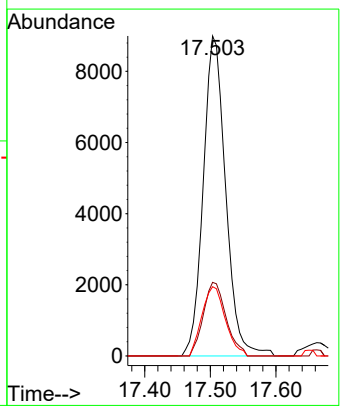




#92
Benzo(g,h,i)perylene
Concen: 2.269 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:276 Resp: 21403

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.8	28.2
138	21.7	17.6	26.4



Sample Results: **BF142889.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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: BF142889.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	501	rVB	79464	119421	8.18%	1.020%
2	5.492	556	561	578	rVB	874636	1163726	79.74%	9.944%
3	6.504	727	733	738	rBV	906423	1171890	80.29%	10.014%
4	6.875	791	796	801	rBV	324408	390004	26.72%	3.333%
5	7.439	886	892	903	rBV	575266	758289	51.96%	6.480%
6	8.157	1009	1014	1034	rVB	398820	511738	35.06%	4.373%
7	9.233	1192	1197	1202	rBV	1179038	1459485	100.00%	12.472%
8	9.780	1286	1290	1296	rVB	12986	15962	1.09%	0.136%
9	9.916	1308	1313	1318	rBV	447915	543932	37.27%	4.648%
10	10.627	1429	1434	1442	rBV	151511	192349	13.18%	1.644%
11	10.710	1442	1448	1458	rBV	598925	793638	54.38%	6.782%
12	11.404	1561	1566	1575	rBV2	376467	578463	39.63%	4.943%
13	11.480	1575	1579	1583	rVB	16269	19592	1.34%	0.167%
14	11.927	1647	1655	1663	rBV3	53233	111162	7.62%	0.950%
15	12.021	1667	1671	1679	rVB3	20438	39153	2.68%	0.335%
16	12.621	1768	1773	1778	rBV	211504	262377	17.98%	2.242%
17	12.715	1785	1789	1796	rVB	22550	27680	1.90%	0.237%
18	12.851	1802	1812	1816	rBV	158450	224905	15.41%	1.922%
19	12.898	1816	1820	1826	rVB3	8705	17777	1.22%	0.152%
20	12.992	1828	1836	1841	rBV	883397	1114572	76.37%	9.524%
21	13.068	1843	1849	1860	rBV4	11802	23608	1.62%	0.202%
22	13.180	1860	1868	1872	rBV2	21537	42397	2.90%	0.362%
23	13.286	1882	1886	1892	rVB2	16286	23219	1.59%	0.198%
24	13.692	1948	1955	1961	rBV	18521	28066	1.92%	0.240%
25	13.798	1969	1973	1976	rBV2	18369	27045	1.85%	0.231%
26	13.886	1984	1988	1999	rVB3	55292	105999	7.26%	0.906%
27	14.051	2008	2016	2028	rBV2	392577	736333	50.45%	6.292%
28	14.204	2037	2042	2046	rBV2	15147	24030	1.65%	0.205%
29	14.439	2077	2082	2085	rBV	16147	22486	1.54%	0.192%
30	14.521	2091	2096	2101	rBV6	11494	25878	1.77%	0.221%
31	14.562	2101	2103	2112	rVB4	12197	23493	1.61%	0.201%
32	15.104	2190	2195	2204	rBV	120510	281919	19.32%	2.409%
33	15.215	2211	2214	2223	rVB	22415	37779	2.59%	0.323%
34	15.415	2243	2248	2254	rVB	59753	93503	6.41%	0.799%
35	15.480	2254	2259	2264	rVV	82886	123743	8.48%	1.057%
36	15.545	2264	2270	2283	rVB	260360	439363	30.10%	3.754%

Sample Results: **BF142889.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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	17.051	2519	2526	2535	rVB2	32802	76727	5.26%	0.656%
38	17.503	2598	2603	2613	rVB	22603	50611	3.47%	0.432%

Sum of corrected areas: 11702314

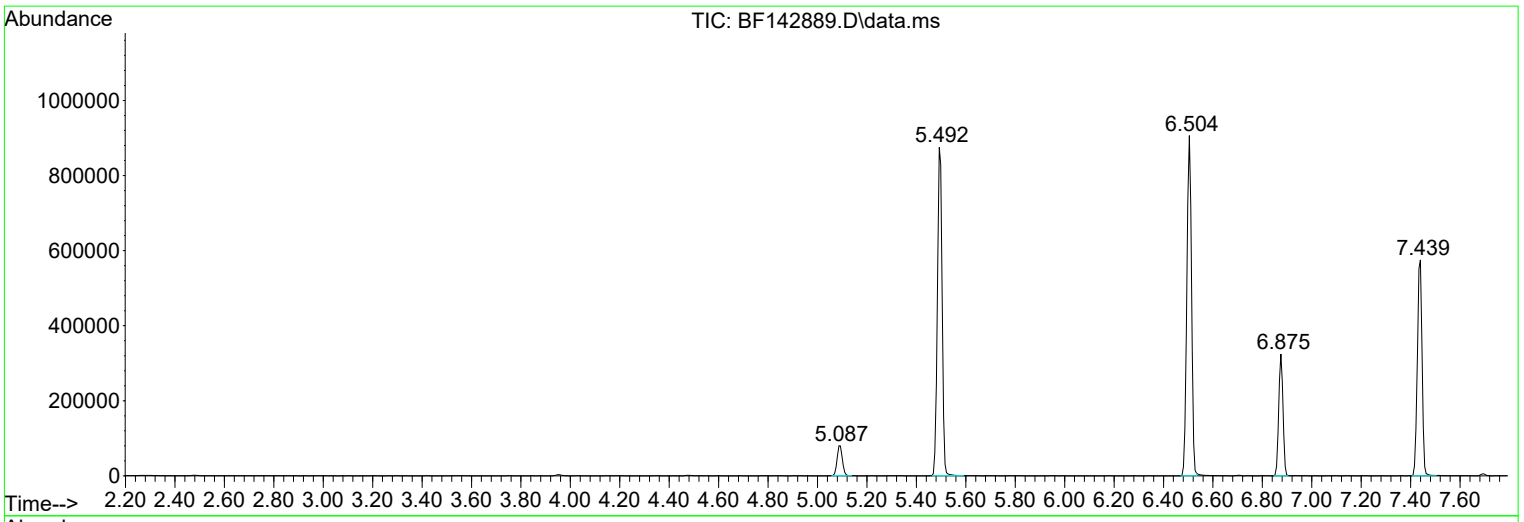
Sample Results: **BF142889.D**

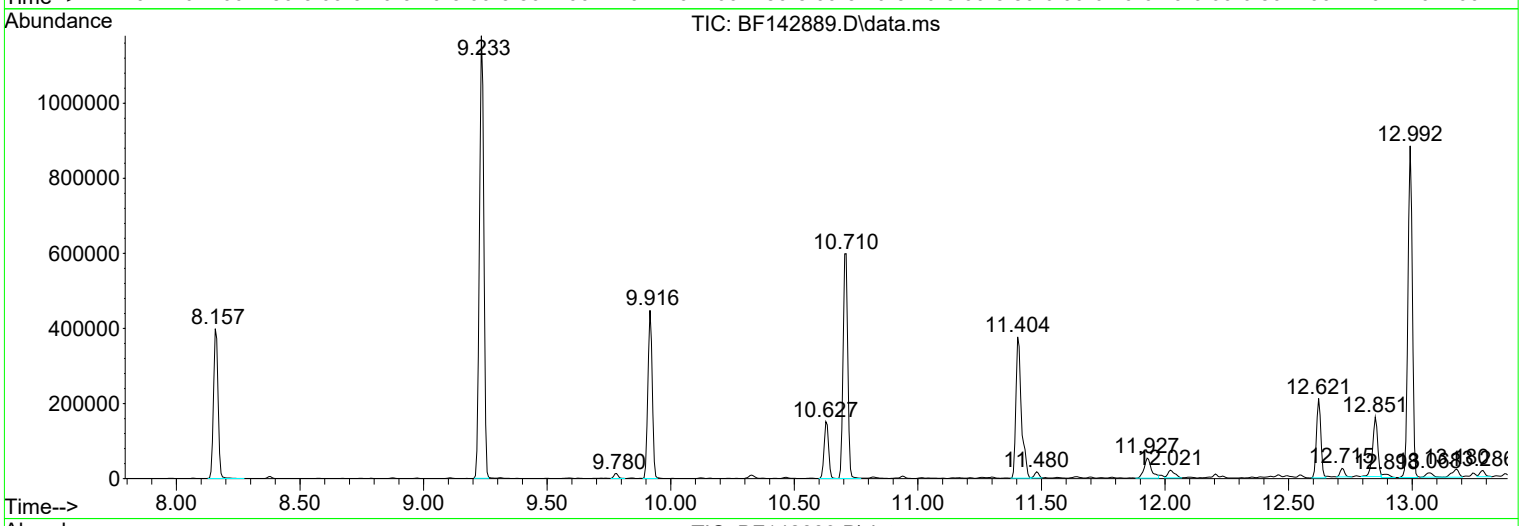
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

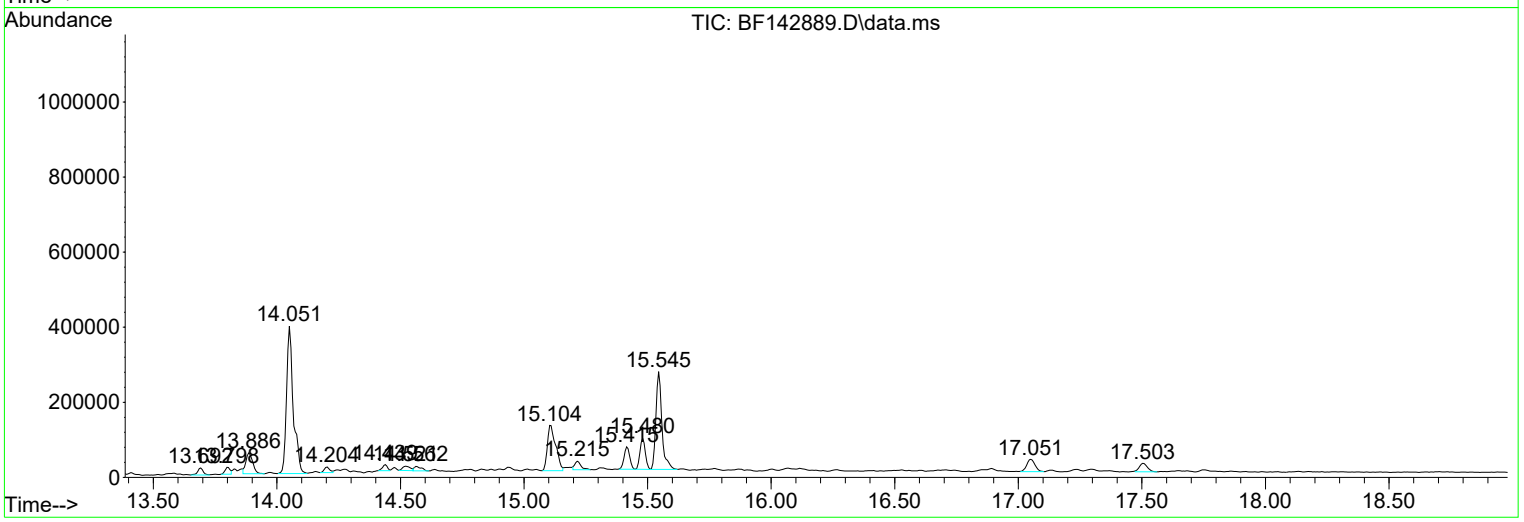
Instrument :
BNA_F
ClientSampleId :
TP-35

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\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

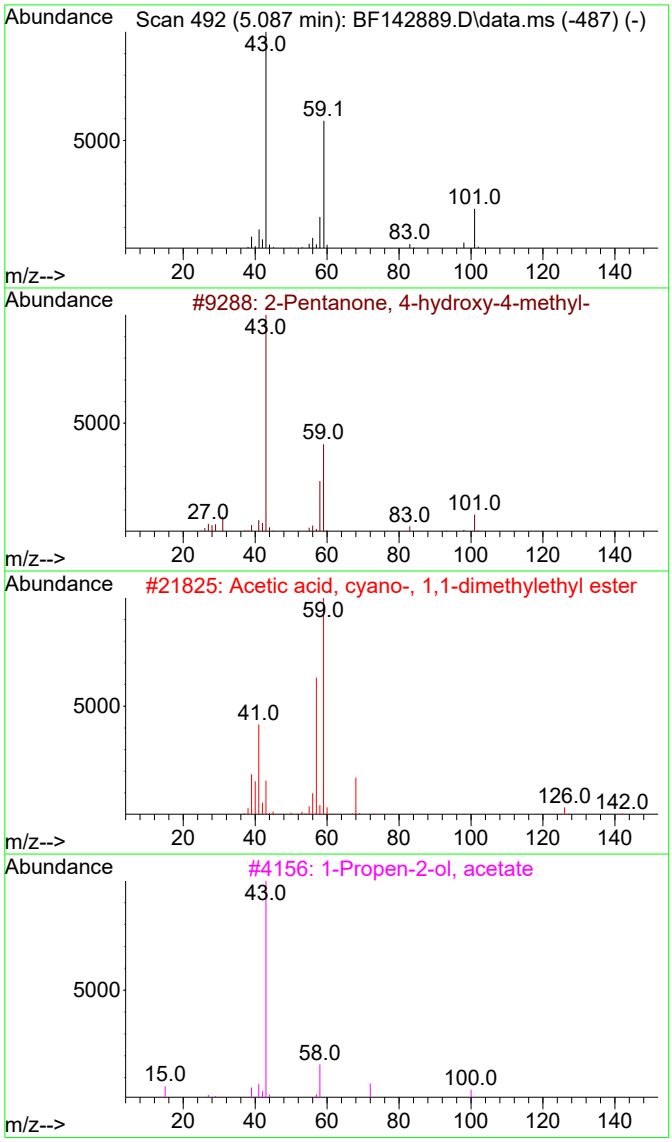
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

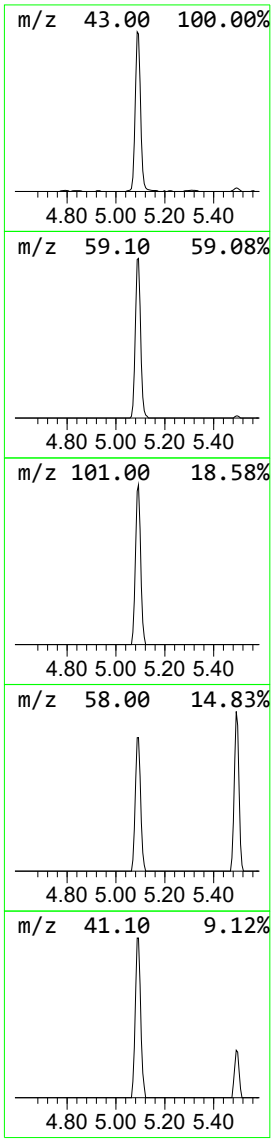
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.12 ng	119421	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	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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

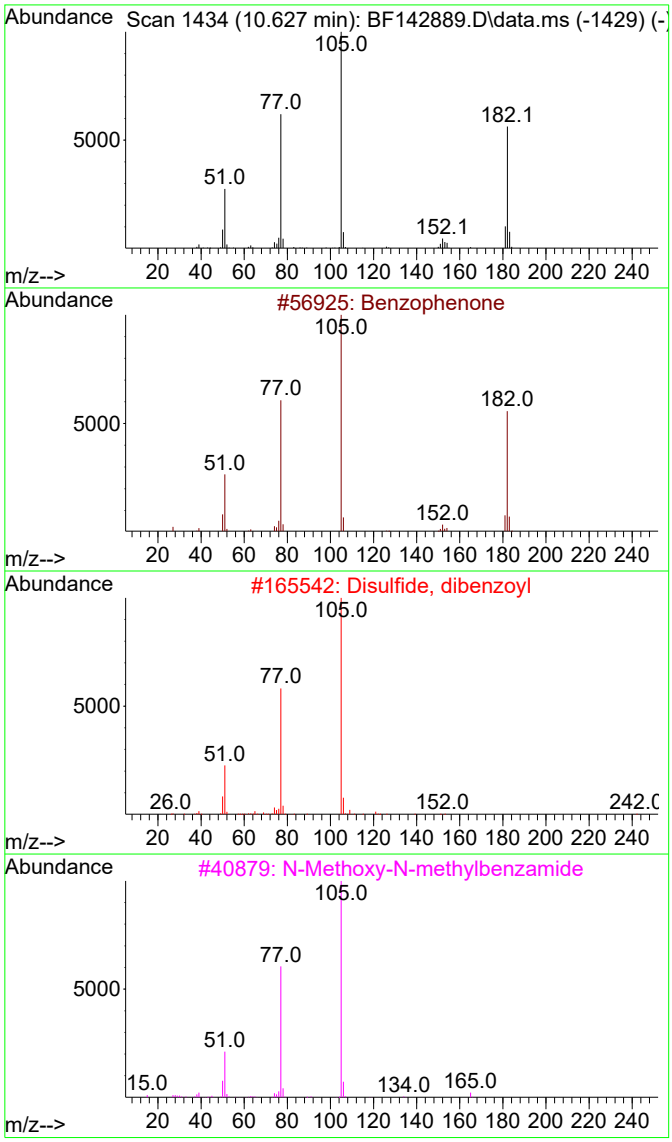
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

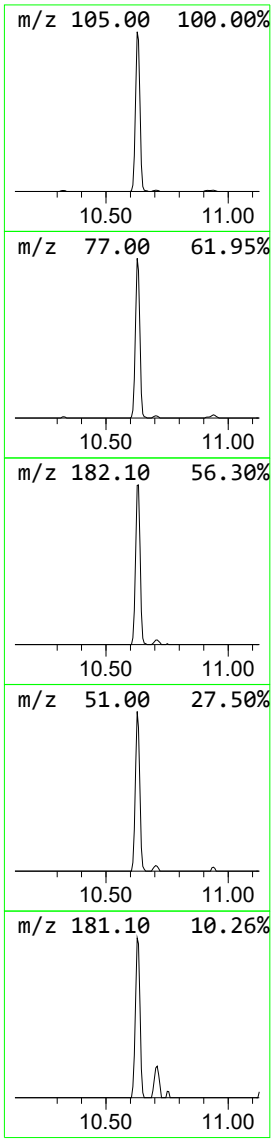
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	7.07 ng	192349	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	Vinyl benzoate	148	C9H8O2	000769-78-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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

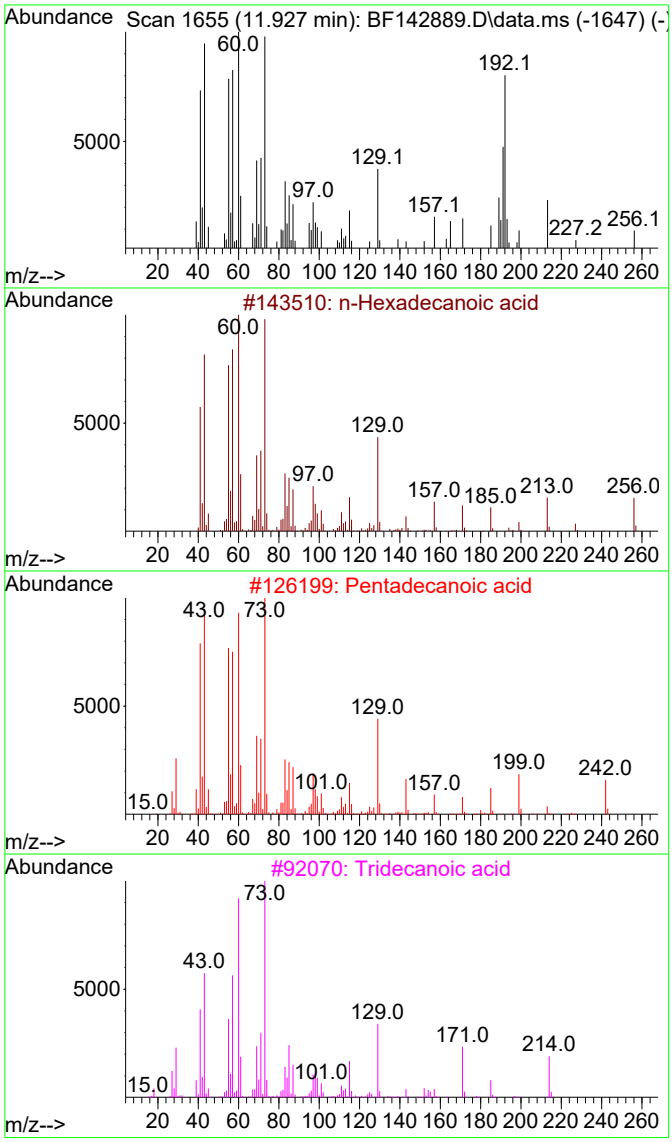
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

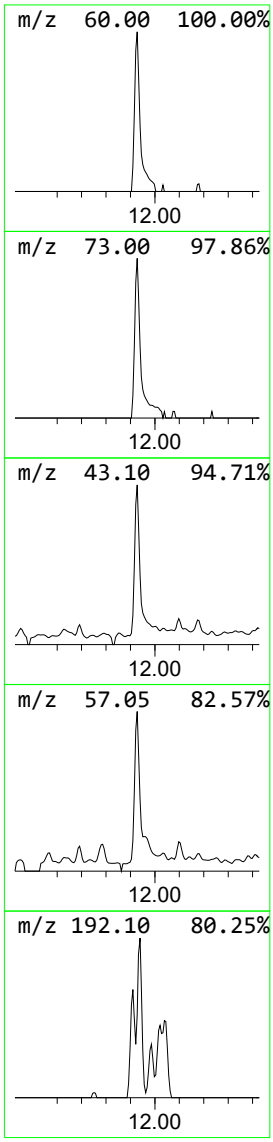
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.84 ng	111162	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
3	Tridecanoic acid	214	C13H26O2	000638-53-9	45
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	41
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

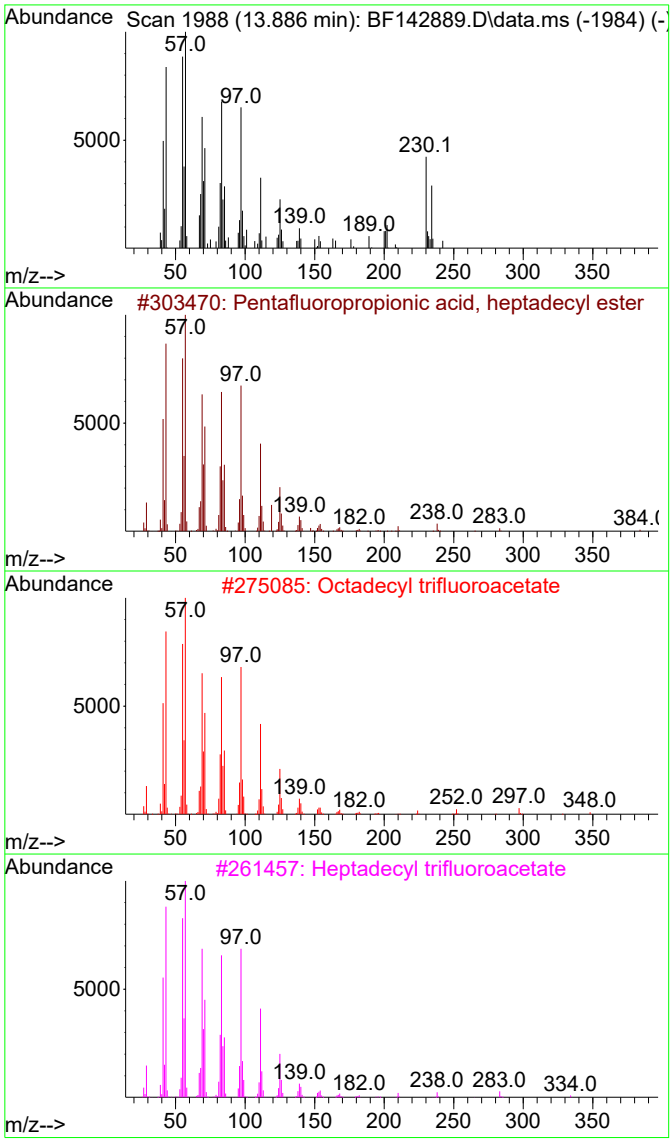
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

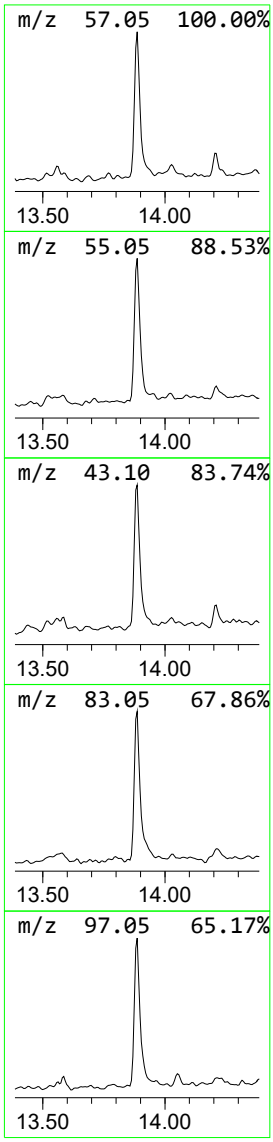
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	2.88 ng	105999	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	89
2	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	89
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	89
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	89
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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

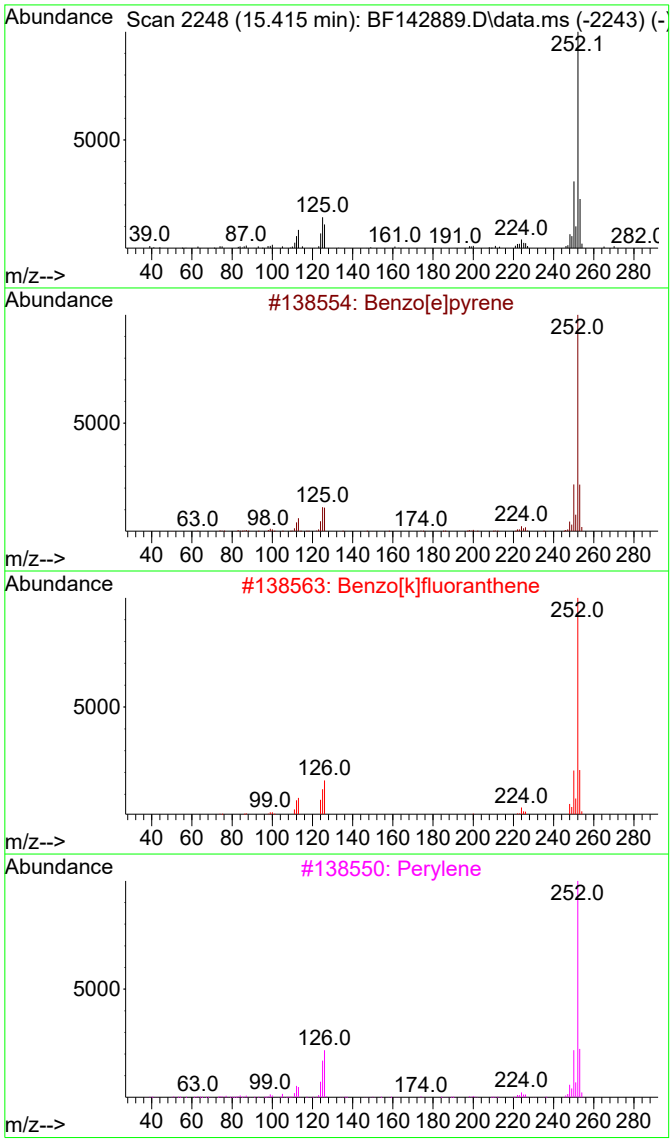
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

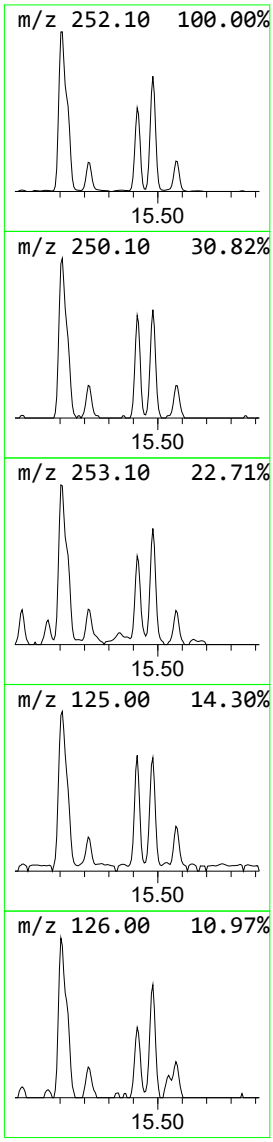
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	4.26 ng	93503	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Sample Results: **BF142889.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142889.D
Acq On : 27 Jun 2025 13:19
Operator : RC/JU
Sample : Q2413-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-35

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	6.1	ng	119421	1	6.875	390004	20.0
Benzophenone	10.627	7.1	ng	192349	3	9.916	543932	20.0
n-Hexadecanoic ...	11.927	3.8	ng	111162	4	11.404	578463	20.0
Pentafluoroprop...	13.886	2.9	ng	105999	5	14.051	736333	20.0
Benzo[e]pyrene	15.415	4.3	ng	93503	6	15.545	439363	20.0

Raw Data: **BF142892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
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
BF142892.D	1	06/26/25 09:20	06/27/25 14:47	PB168625

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	24.0	U	24.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.4	U	26.4	180	ug/Kg
95-57-8	2-Chlorophenol	26.5	U	26.5	180	ug/Kg
95-48-7	2-Methylphenol	32.5	U	32.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.7	U	40.7	180	ug/Kg
98-86-2	Acetophenone	32.0	U	32.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.6	U	44.6	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.5	U	51.5	86.9	ug/Kg
67-72-1	Hexachloroethane	19.1	U	19.1	180	ug/Kg
98-95-3	Nitrobenzene	19.9	U	19.9	180	ug/Kg
78-59-1	Isophorone	35.6	U	35.6	180	ug/Kg
88-75-5	2-Nitrophenol	63.2	U	63.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	70.4	U	70.4	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.4	U	33.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.7	U	30.7	180	ug/Kg
91-20-3	Naphthalene	24.6	U	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	38.4	U	38.4	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.5	U	27.5	180	ug/Kg
105-60-2	Caprolactam	56.6	U	56.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.2	U	31.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.8	U	27.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.5	U	21.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.6	U	31.6	180	ug/Kg
92-52-4	1,1-Biphenyl	23.7	U	23.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.4	U	24.4	180	ug/Kg
88-74-4	2-Nitroaniline	52.2	U	52.2	180	ug/Kg
131-11-3	Dimethylphthalate	29.4	U	29.4	180	ug/Kg

Raw Data: **BF142892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
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
BF142892.D	1	06/26/25 09:20	06/27/25 14:47	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.4	U	31.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.5	U	36.5	180	ug/Kg
99-09-2	3-Nitroaniline	50.0	U	50.0	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	54.4	U	54.4	180	ug/Kg
84-66-2	Diethylphthalate	30.7	U	30.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.0	U	29.0	180	ug/Kg
86-73-7	Fluorene	27.5	U	27.5	180	ug/Kg
100-01-6	4-Nitroaniline	69.7	U	69.7	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.7	U	35.7	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.2	U	30.2	180	ug/Kg
118-74-1	Hexachlorobenzene	27.5	U	27.5	180	ug/Kg
1912-24-9	Atrazine	36.9	U	36.9	180	ug/Kg
87-86-5	Pentachlorophenol	55.7	U	55.7	360	ug/Kg
85-01-8	Phenanthrene	22.7	U	22.7	180	ug/Kg
120-12-7	Anthracene	36.2	U	36.2	180	ug/Kg
86-74-8	Carbazole	33.9	U	33.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	52.0	U	52.0	180	ug/Kg
206-44-0	Fluoranthene	130	J	32.6	180	ug/Kg
129-00-0	Pyrene	75.5	J	39.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	77.5	U	77.5	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.9	U	39.9	360	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	25.0	180	ug/Kg
218-01-9	Chrysene	83.4	J	21.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.3	U	64.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	94.3	U	94.3	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	200		20.6	180	ug/Kg

Raw Data: **BF142892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
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
BF142892.D	1	06/26/25 09:20	06/27/25 14:47	PB168625

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	120	J	32.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.6	U	31.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.8	U	29.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.9	U	27.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.8	U	27.8	180	ug/Kg
123-91-1	1,4-Dioxane	49.1	U	49.1	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.8	U	29.8	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	81.5		18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	82.0		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.4		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.9		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.9		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	36.2		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74200	6.875			
1146-65-2	Naphthalene-d8	268000	8.157			
15067-26-2	Acenaphthene-d10	125000	9.916			
1517-22-2	Phenanthrene-d10	186000	11.404			
1719-03-5	Chrysene-d12	169000	14.051			
1520-96-3	Perylene-d12	135000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A		5.09	ug/Kg
000119-61-9	Benzophenone	260	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	130	J		11.9	ug/Kg
006222-03-3	Trifluoroacetoxy hexadecane	120	J		13.9	ug/Kg
000192-97-2	Benzo[e]pyrene	96.3	J		15.4	ug/Kg

Raw Data: **BF142892.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	92
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
BF142892.D	1	06/26/25 09:20	06/27/25 14:47	PB168625

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\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

Quant Time: Jun 27 15:08:03 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

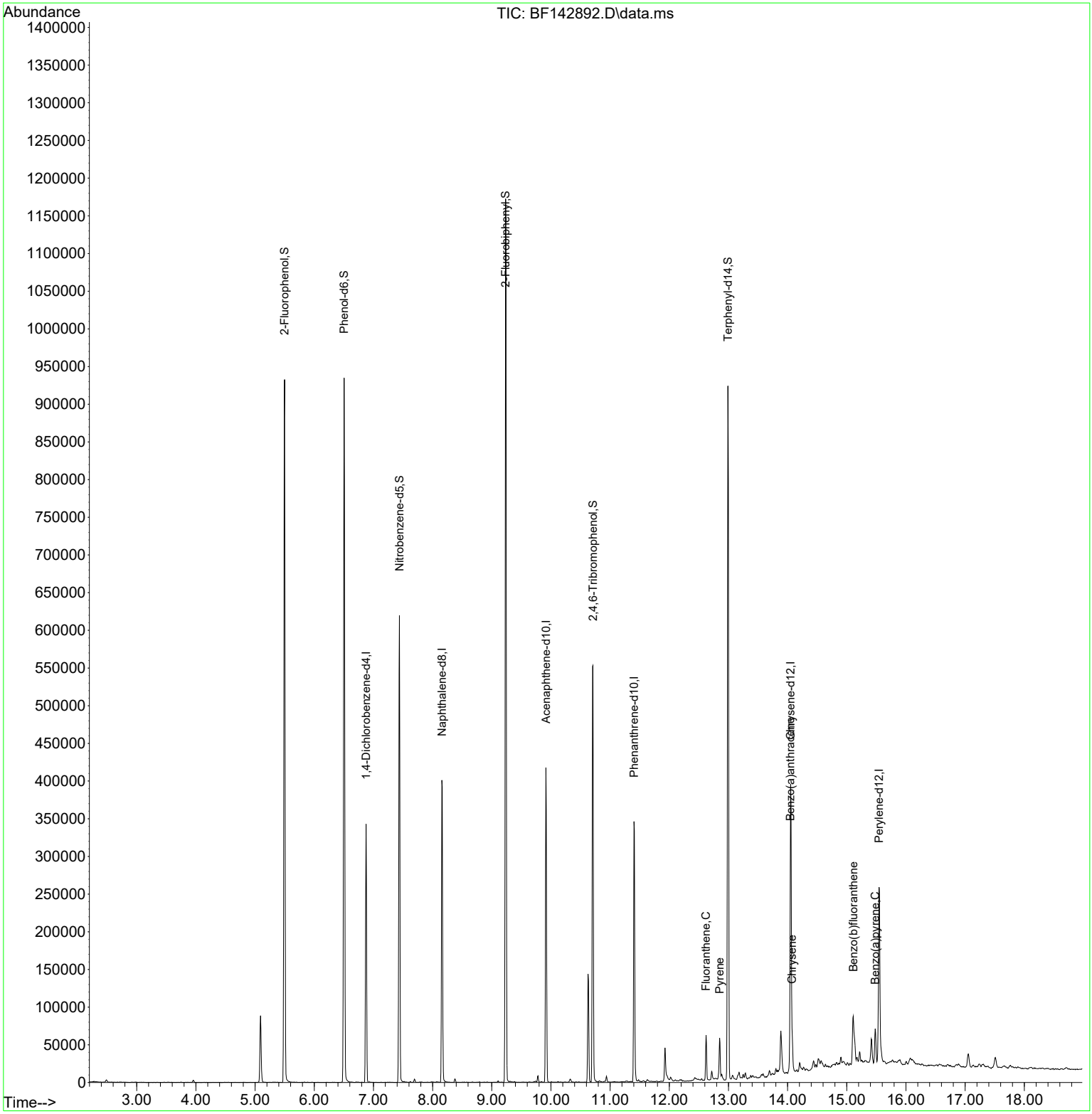
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74176	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	267947	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	125086	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	186159	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169043	20.000	ng	0.00
86) Perylene-d12	15.545	264	135290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	362975	81.472	ng	0.00
7) Phenol-d6	6.504	99	431008	81.999	ng	0.00
23) Nitrobenzene-d5	7.439	82	260620	53.351	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	99032	76.935	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	532562	55.930	ng	-0.01
79) Terphenyl-d14	12.992	244	442381	36.159	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.621	202	33338	3.483	ng	99
78) Pyrene	12.851	202	33041	2.085	ng	99
81) Benzo(a)anthracene	14.045	228	31932m	2.800	ng	
83) Chrysene	14.074	228	23444	2.304	ng	97
88) Benzo(b)fluoranthene	15.110	252	43981m	5.618	ng	
90) Benzo(a)pyrene	15.480	252	24857	3.287	ng	99

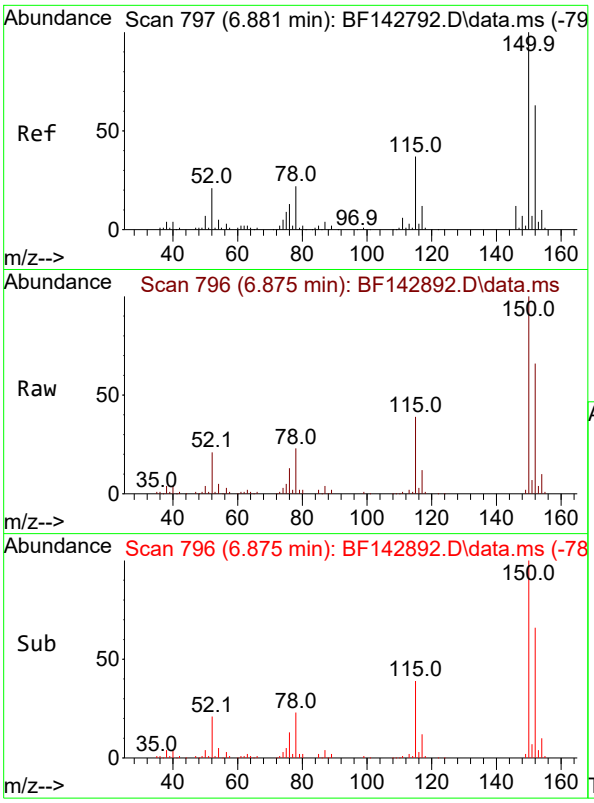
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

Quant Time: Jun 27 15:08:03 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



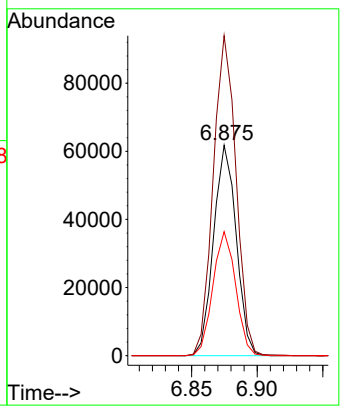


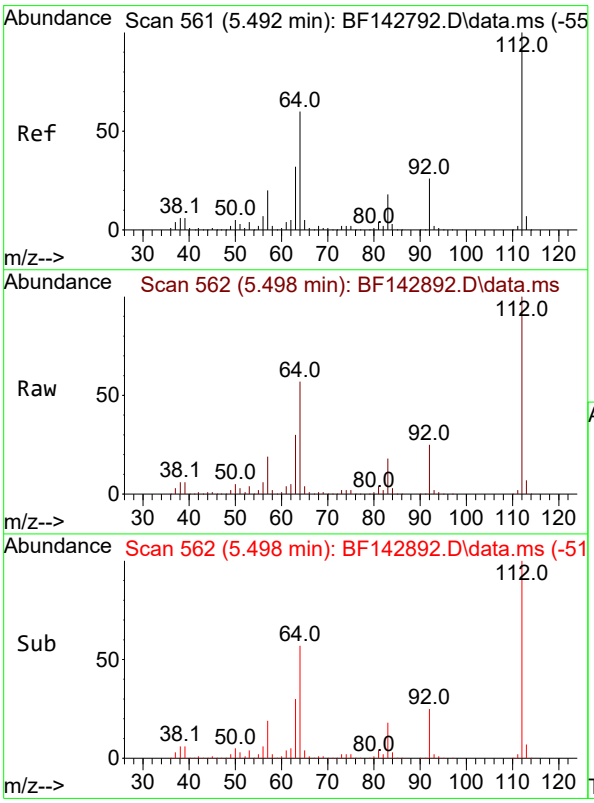
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:152 Resp: 74176

Ion	Ratio	Lower	Upper
152	100		
150	152.1	127.2	190.8
115	58.9	46.6	69.8

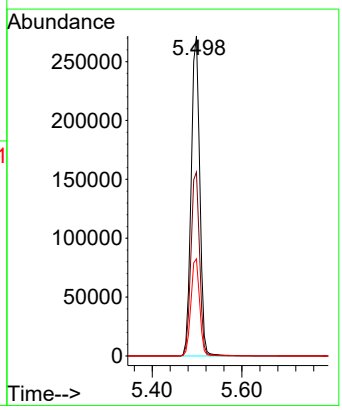


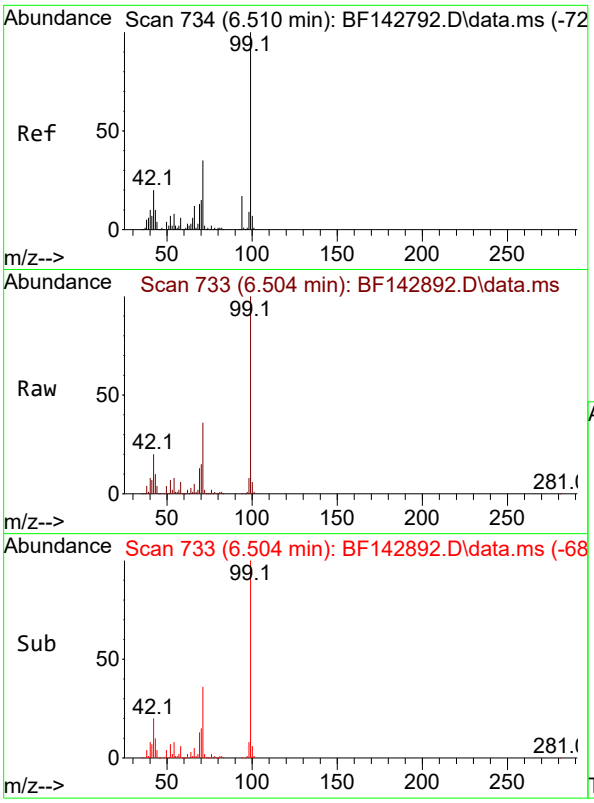


#5
2-Fluorophenol
Concen: 81.472 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:112 Resp: 362975

Ion	Ratio	Lower	Upper
112	100		
64	57.5	48.2	72.2
63	30.4	25.7	38.5



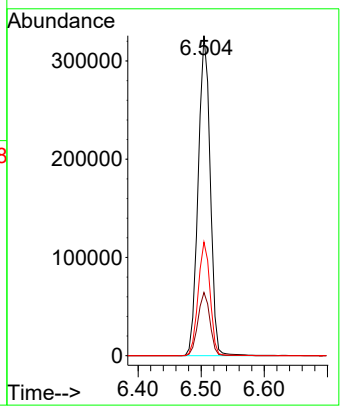


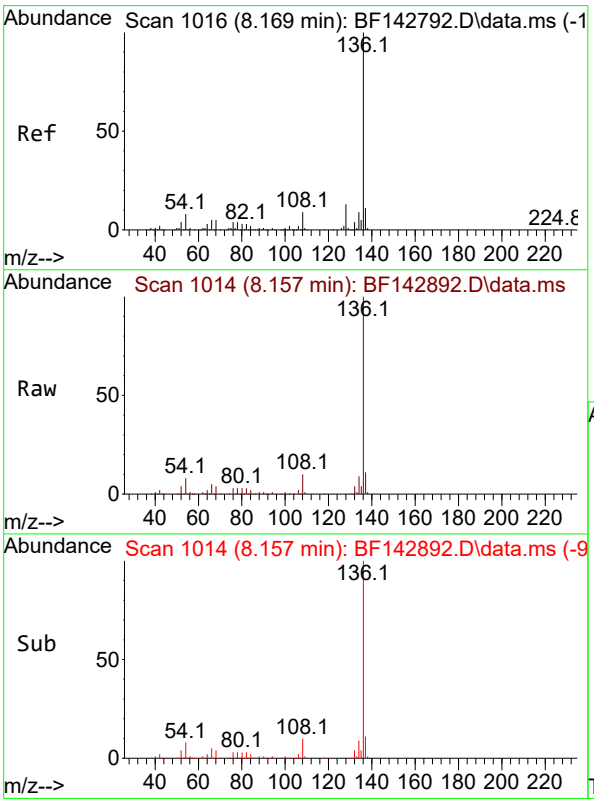
#7
Phenol-d6
Concen: 81.999 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion: 99 Resp: 431008

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.5	27.8	41.8

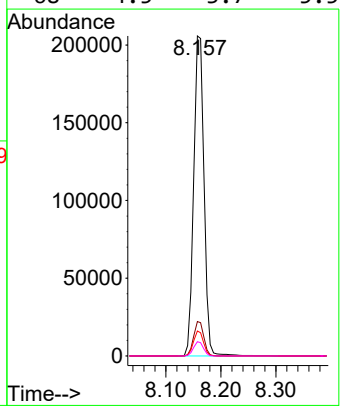


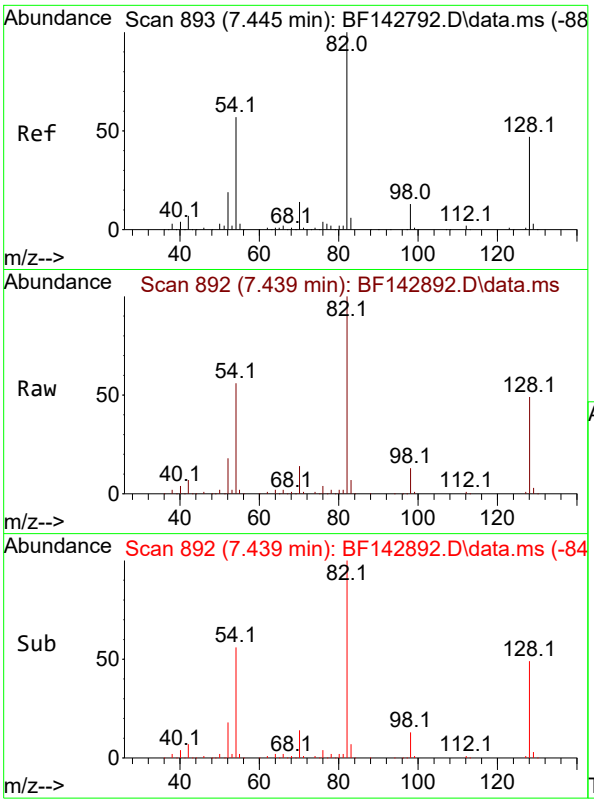


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:136 Resp: 267947

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.8	6.3	9.5
68	4.5	3.7	5.5



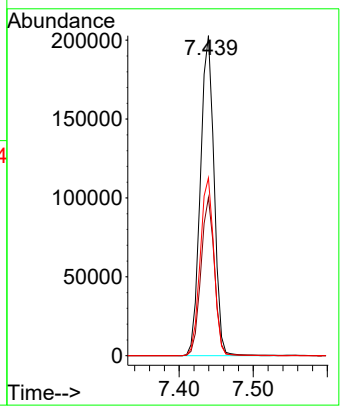


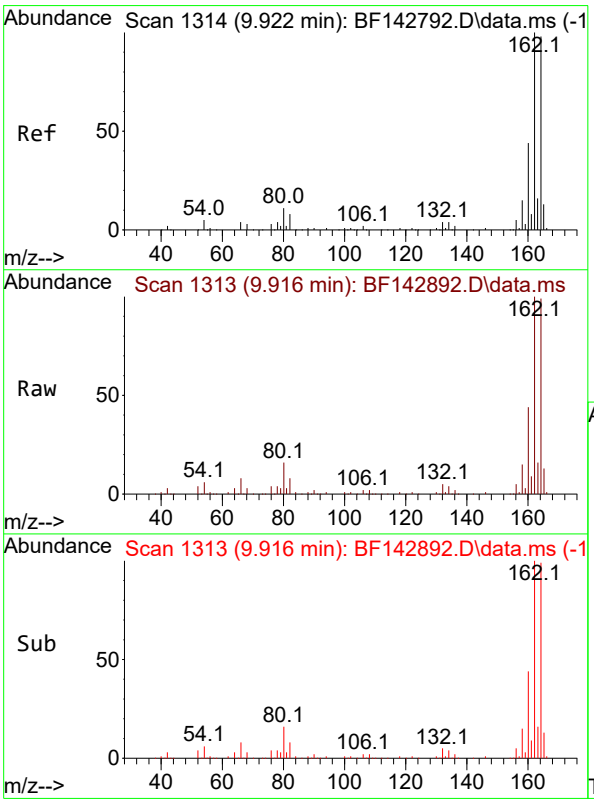
#23
Nitrobenzene-d5
Concen: 53.351 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion: 82 Resp: 260620

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.7	56.5
54	55.6	45.7	68.5

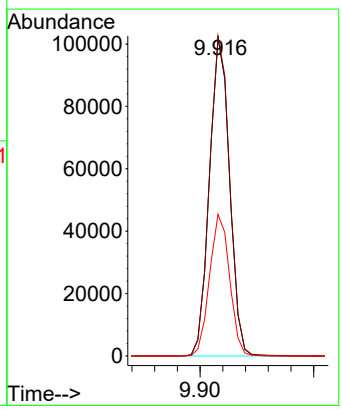


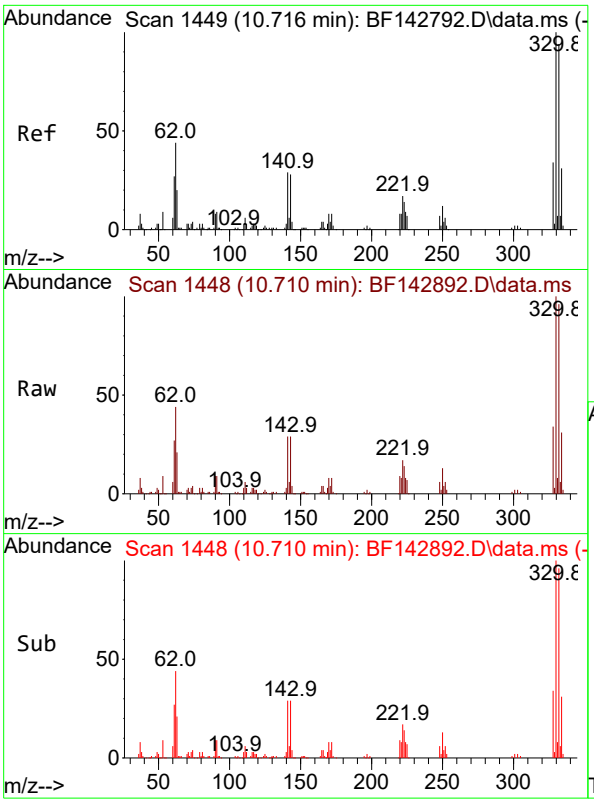


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:164 Resp: 125086

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.8
160	44.6	36.0	54.0



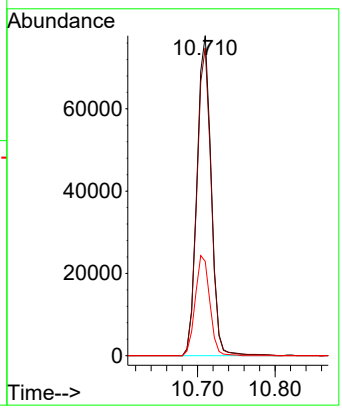


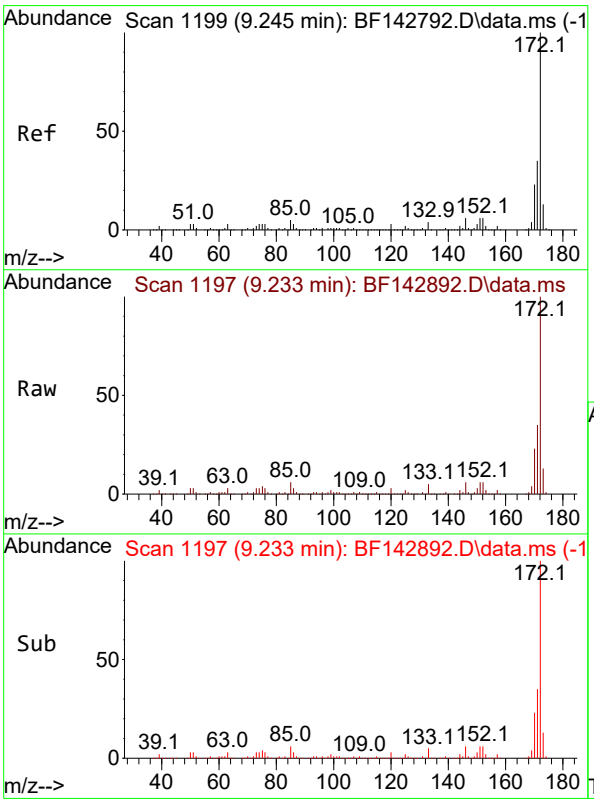
#42
2,4,6-Tribromophenol
Concen: 76.935 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:330 Resp: 99032

Ion	Ratio	Lower	Upper
330	100		
332	96.3	75.0	112.6
141	31.9	25.3	37.9

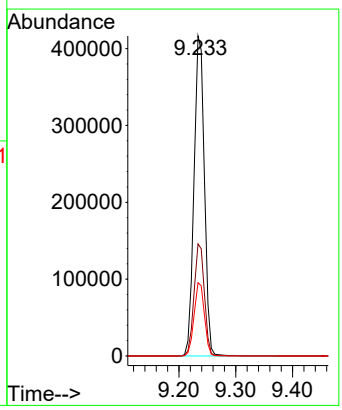


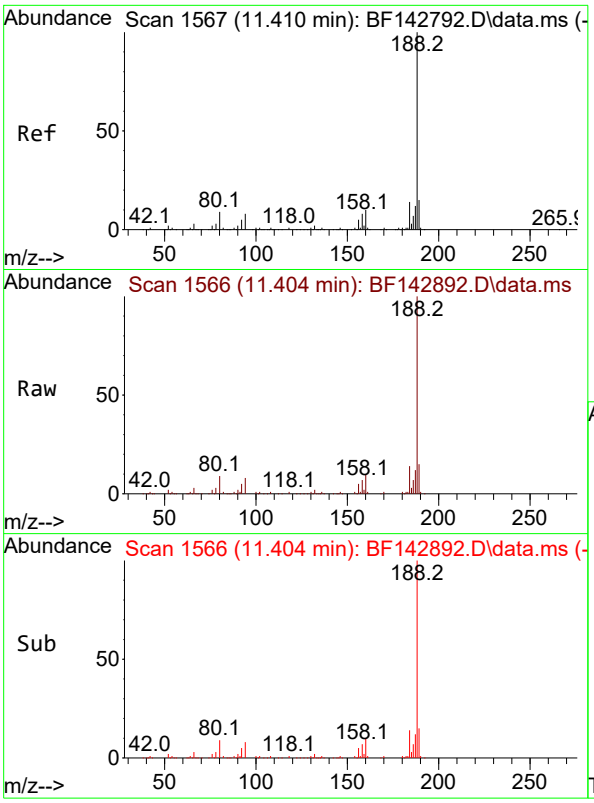


#45
2-Fluorobiphenyl
Concen: 55.930 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:172 Resp: 532562

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	22.9	18.5	27.7



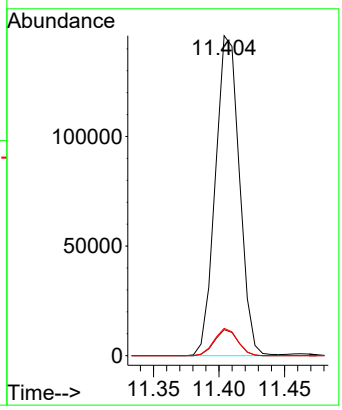


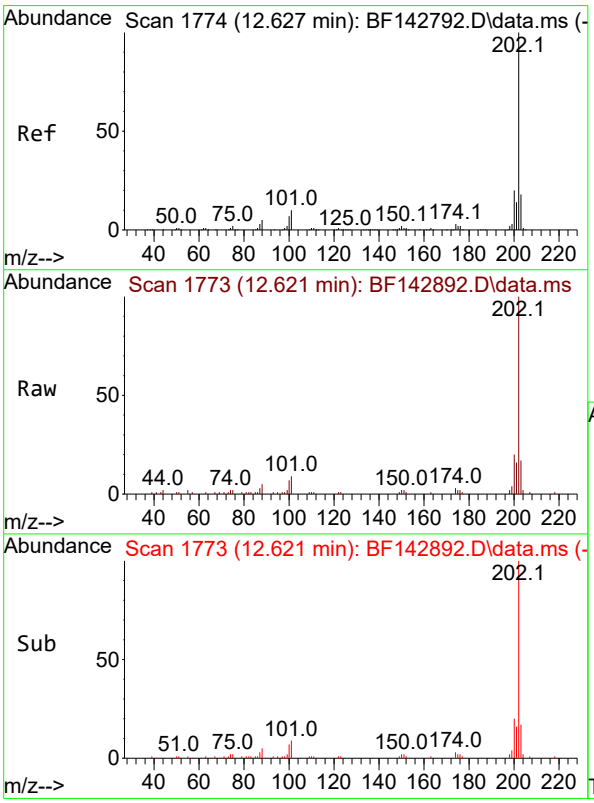
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:188 Resp: 186159

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.5	6.9	10.3

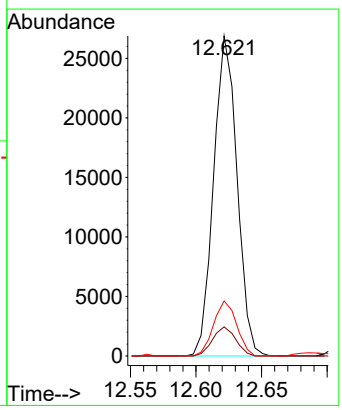


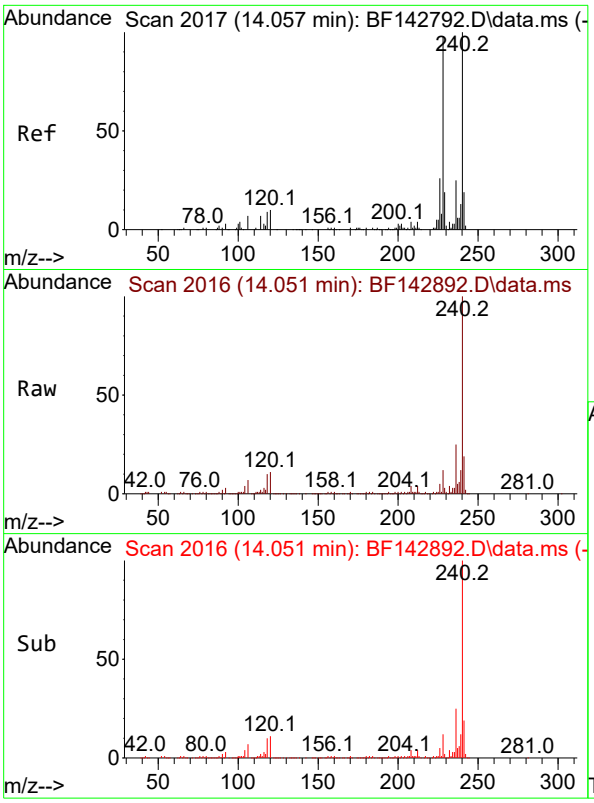


#75
Fluoranthene
Concen: 3.483 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:202 Resp: 33338

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	29.7
203	17.2	0.0	37.5



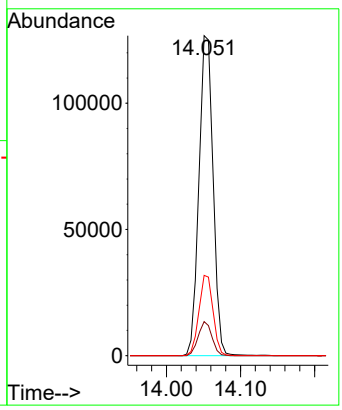


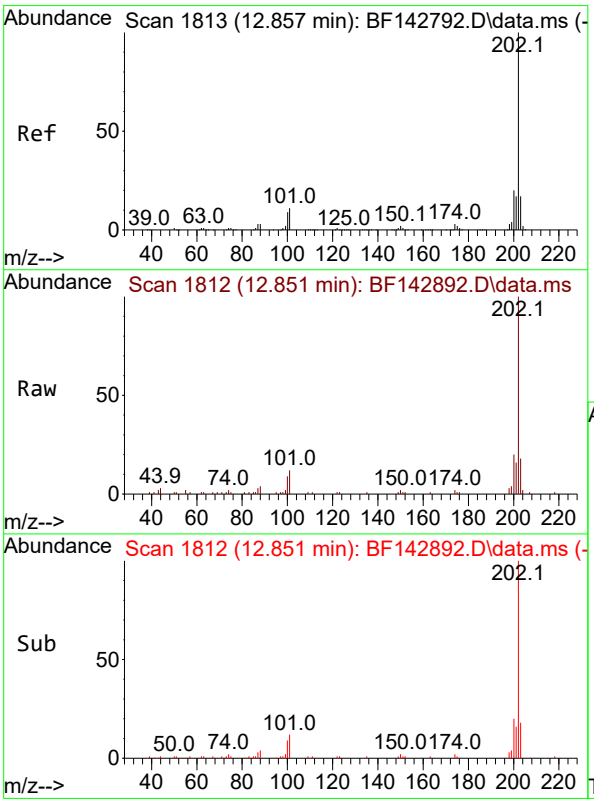
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:240 Resp: 169043

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	25.1	19.8	29.8

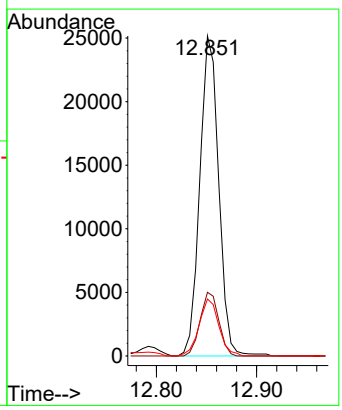


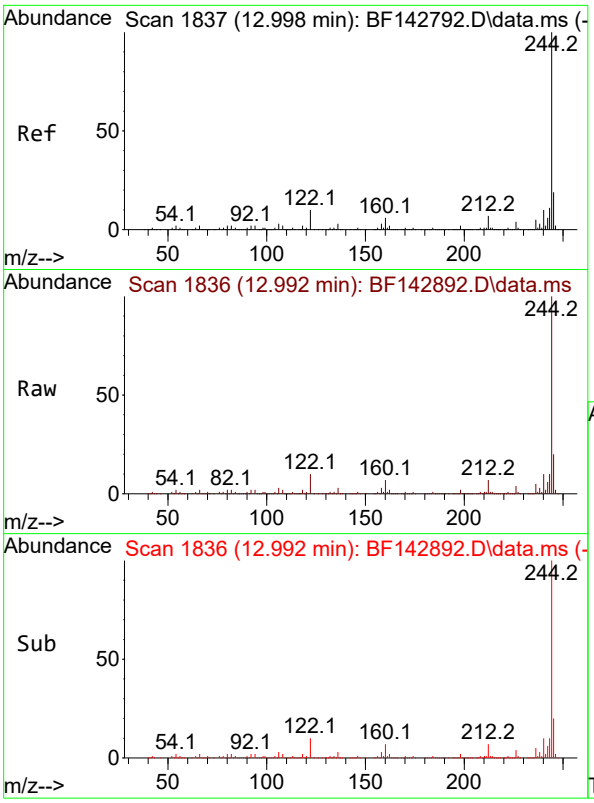


#78
Pyrene
Concen: 2.085 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:202 Resp: 33041

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	17.8	13.8	20.6



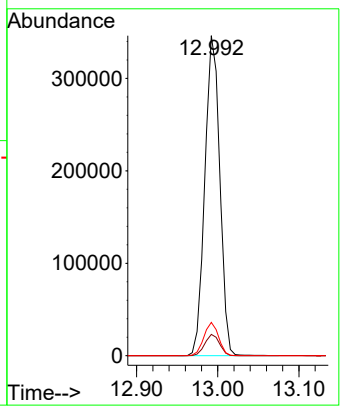


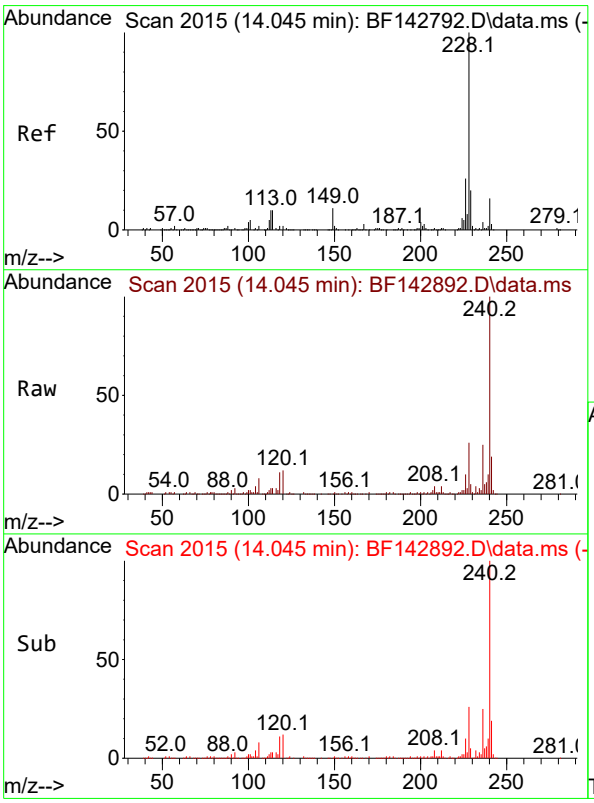
#79
Terphenyl-d14
Concen: 36.159 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:244 Resp: 442381

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.4	8.2	12.2

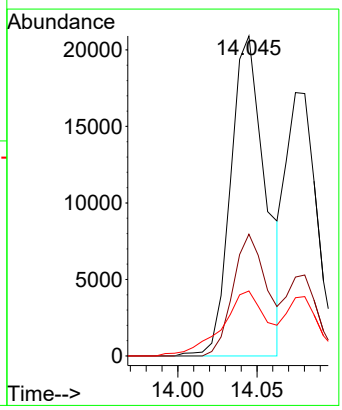


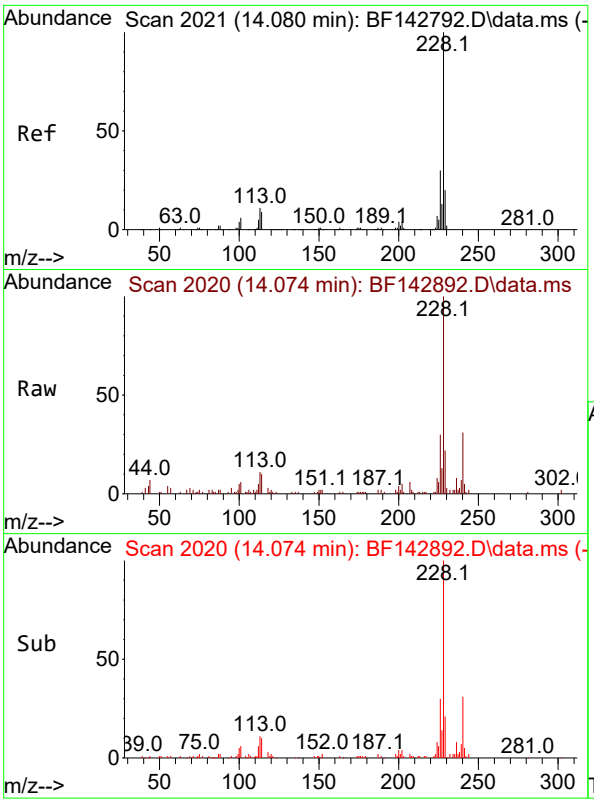


#81
Benzo(a)anthracene
Concen: 2.800 ng m
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:228 Resp: 31932

Ion	Ratio	Lower	Upper
228	100		
226	38.0	21.2	31.8#
229	20.3	15.6	23.4



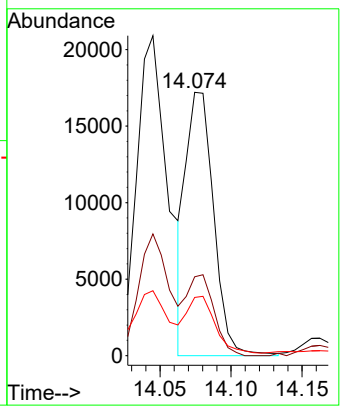


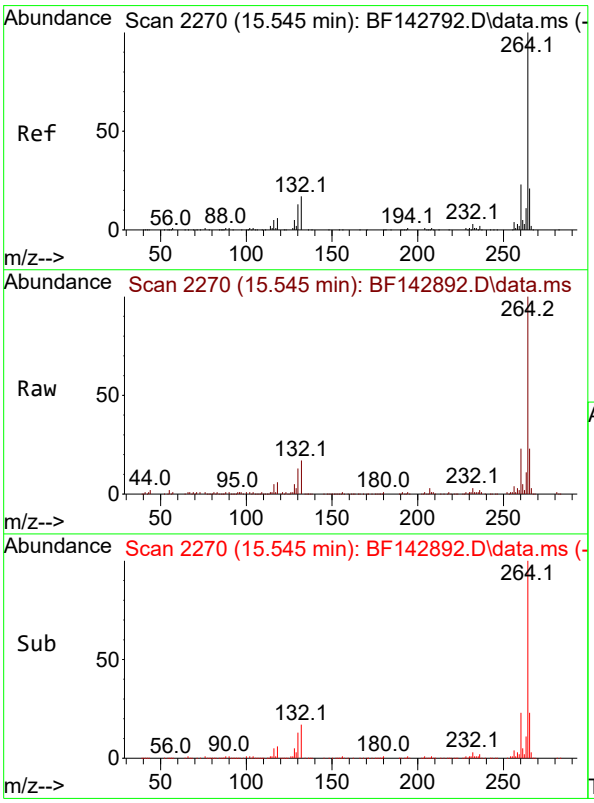
#83
Chrysene
Concen: 2.304 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:228 Resp: 23444

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	22.1	15.7	23.5

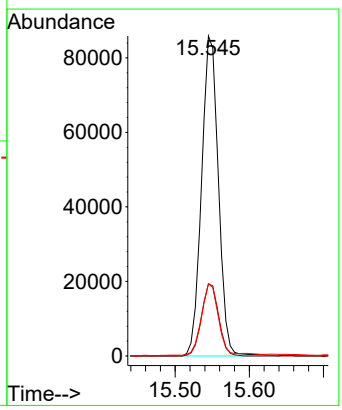


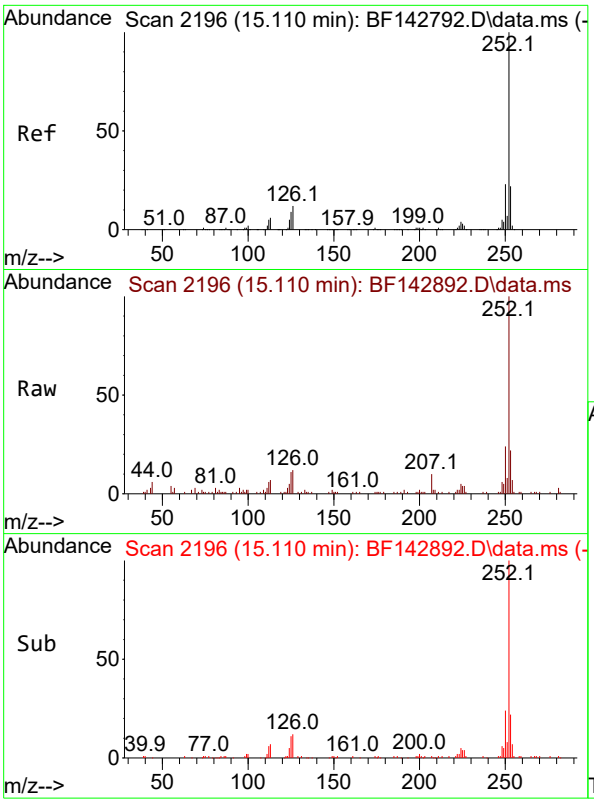


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:264 Resp: 135290

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.1	27.1
265	22.5	16.6	25.0



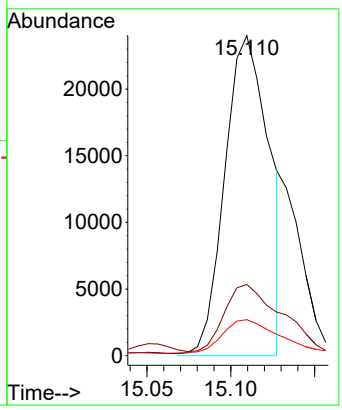


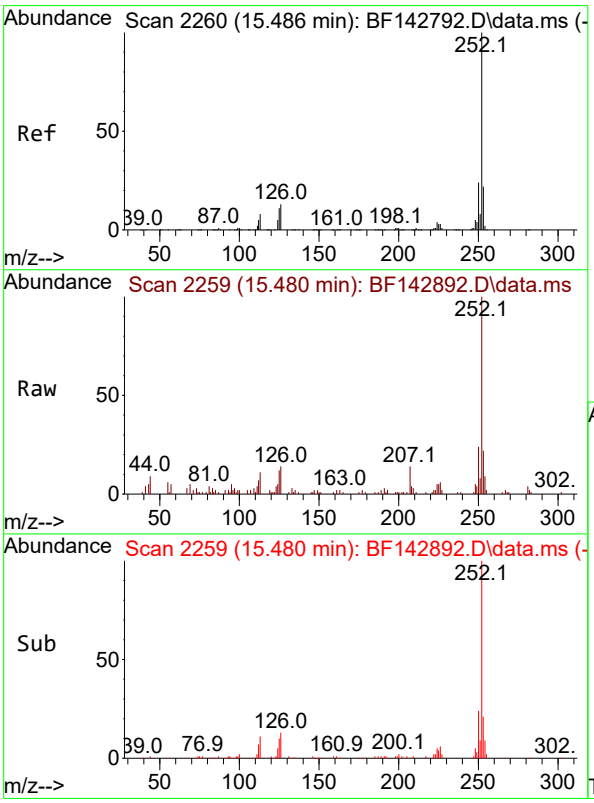
#88
Benzo(b)fluoranthene
Concen: 5.618 ng m
RT: 15.110 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:252 Resp: 43981

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.3	7.4	11.0#

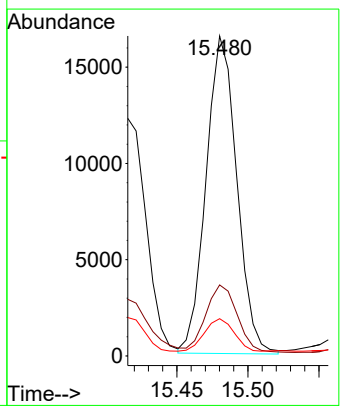




#90
Benzo(a)pyrene
Concen: 3.287 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:252 Resp: 24857

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.6	8.6	12.8



Sample Results: **BF142892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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: BF142892.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	487	493	504	rVB	88373	129587	8.78%	1.219%
2	5.498	556	562	575	rBV	932643	1245824	84.43%	11.720%
3	6.504	727	733	752	rVB	934232	1237744	83.88%	11.644%
4	6.875	791	796	801	rBV	342559	410285	27.80%	3.860%
5	7.439	886	892	897	rBV	619638	790162	53.55%	7.433%
6	8.157	1009	1014	1028	rBV	400745	514636	34.88%	4.841%
7	9.233	1192	1197	1202	rBV	1172249	1475657	100.00%	13.882%
8	9.916	1308	1313	1319	rBV	417166	508129	34.43%	4.780%
9	10.627	1429	1434	1440	rBV	143239	179273	12.15%	1.686%
10	10.710	1442	1448	1457	rBV	552948	734272	49.76%	6.907%
11	11.404	1561	1566	1577	rBV	345416	450063	30.50%	4.234%
12	11.927	1649	1655	1667	rBV3	44644	78843	5.34%	0.742%
13	12.621	1768	1773	1778	rBV	59893	73784	5.00%	0.694%
14	12.716	1785	1789	1796	rBV	11030	16730	1.13%	0.157%
15	12.851	1806	1812	1816	rBV	54813	75889	5.14%	0.714%
16	12.992	1829	1836	1841	rBV	921046	1173224	79.51%	11.037%
17	13.180	1861	1868	1872	rBV3	9360	20374	1.38%	0.192%
18	13.886	1983	1988	1999	rVB3	56403	102724	6.96%	0.966%
19	14.051	2008	2016	2029	rBV2	383454	620019	42.02%	5.833%
20	14.204	2038	2042	2047	rBV2	11256	19821	1.34%	0.186%
21	14.515	2092	2095	2101	rBV6	10153	21394	1.45%	0.201%
22	15.110	2190	2196	2204	rBV	64224	152669	10.35%	1.436%
23	15.215	2211	2214	2218	rBV	12335	16236	1.10%	0.153%
24	15.415	2244	2248	2254	rVB	31939	52532	3.56%	0.494%
25	15.480	2254	2259	2264	rBV	45477	70952	4.81%	0.667%
26	15.545	2264	2270	2282	rVB	231590	394916	26.76%	3.715%
27	17.056	2522	2527	2535	rVB2	17670	36915	2.50%	0.347%
28	17.509	2600	2604	2612	rVB	13215	27614	1.87%	0.260%

Sum of corrected areas: 10630268

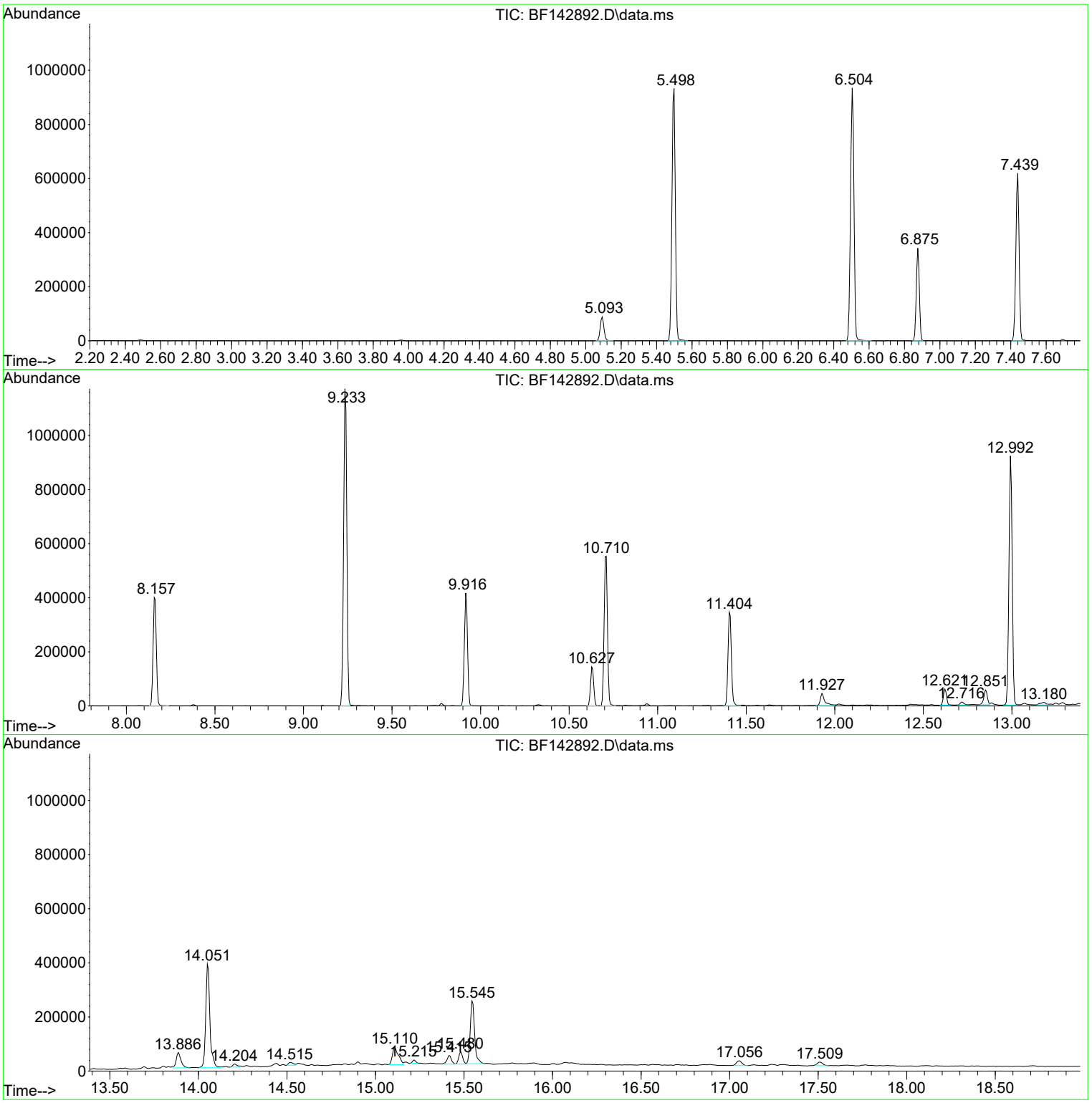
Sample Results: **BF142892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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



Sample Results: **BF142892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

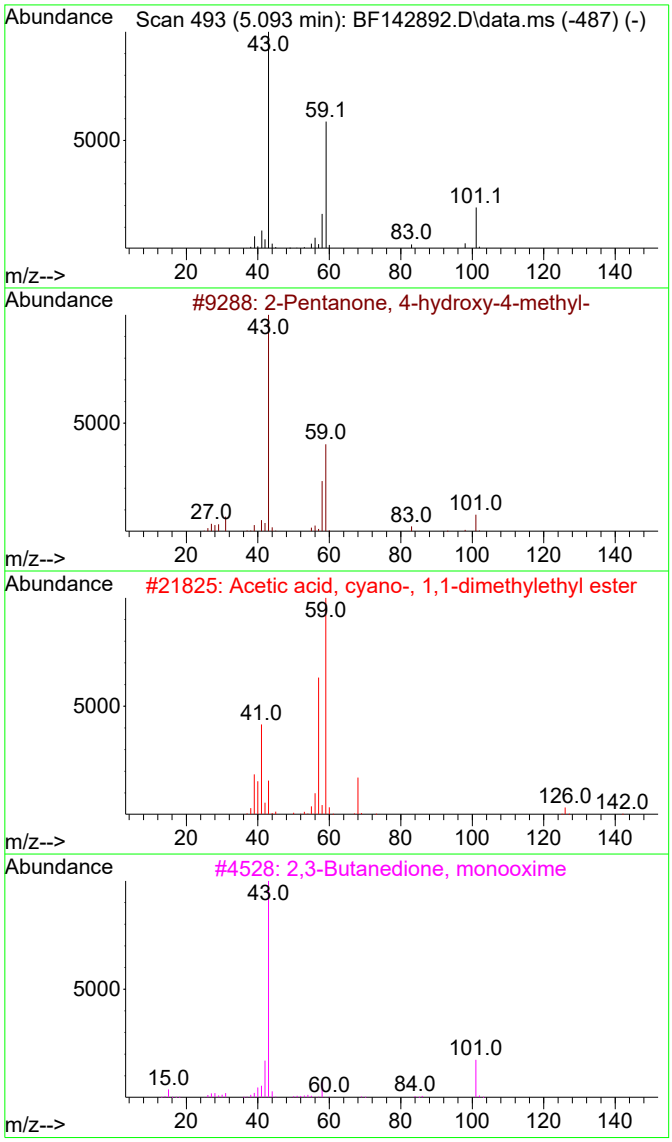
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

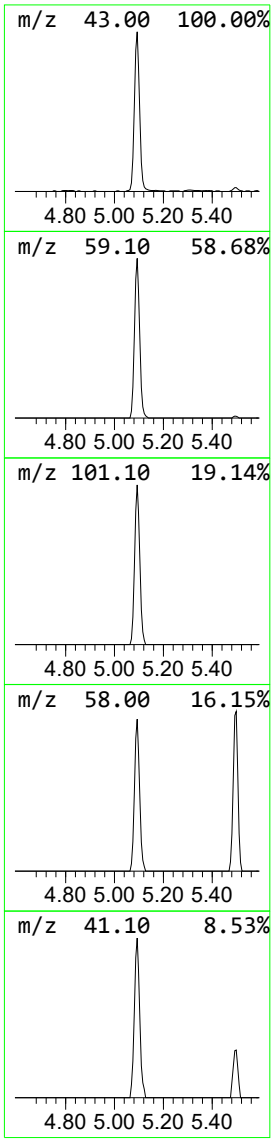
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	6.32 ng	129587	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	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Sample Results: **BF142892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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

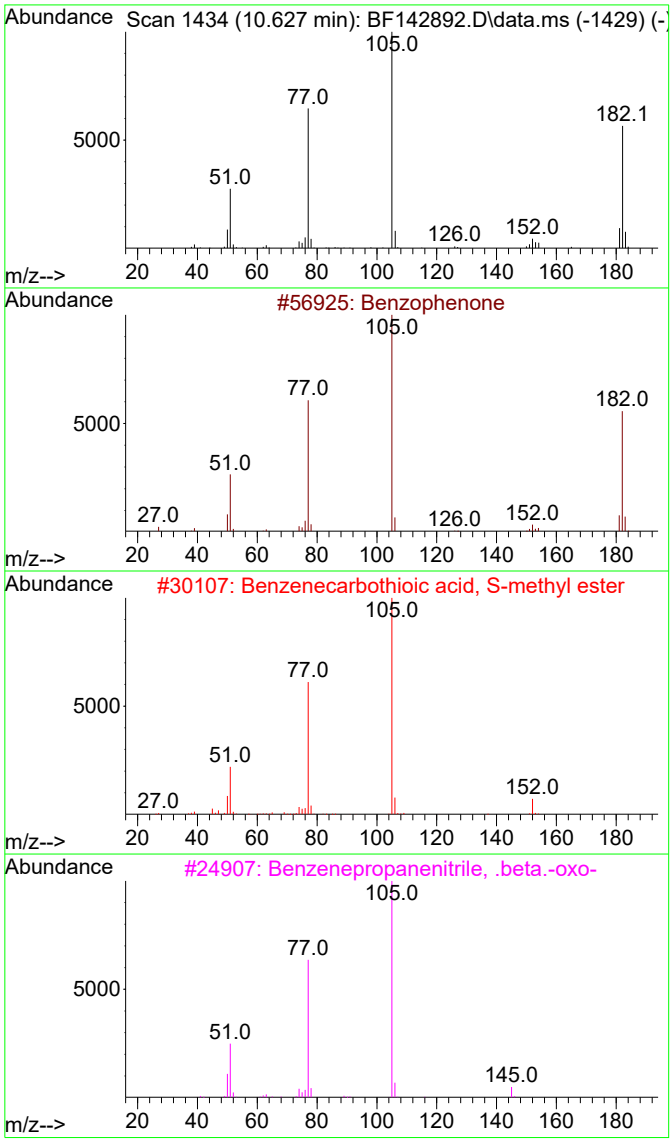
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

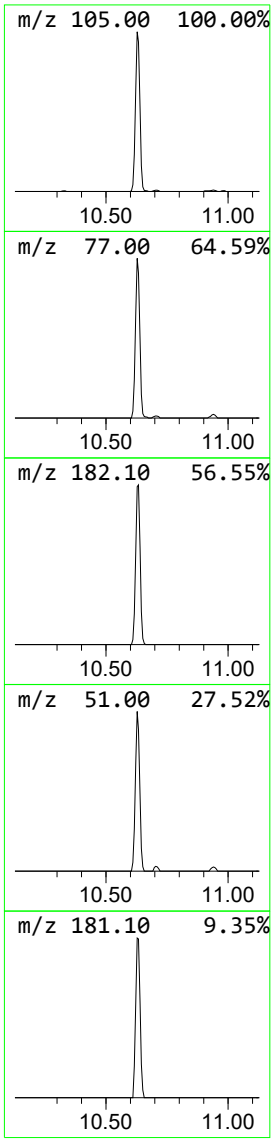
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	7.06 ng	179273	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	60
3	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	49
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

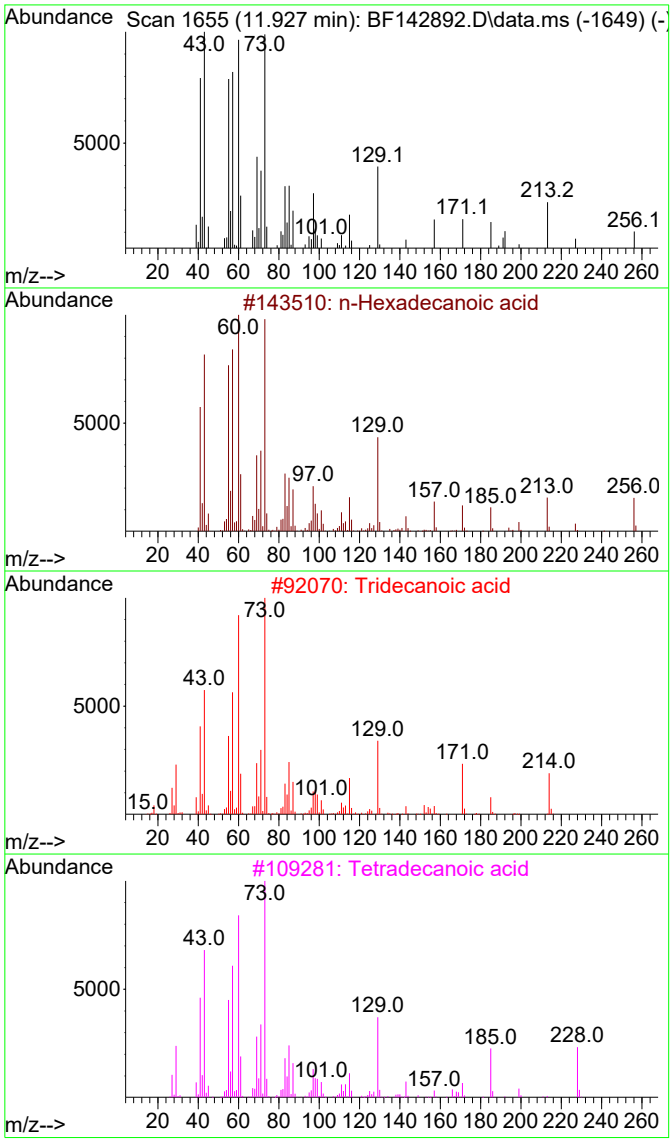
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

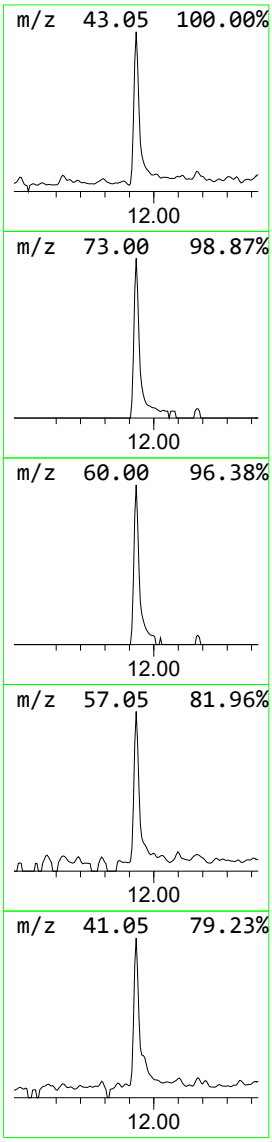
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	3.50 ng	78843	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
4	n-Decanoic acid	172	C10H20O2	000334-48-5	52
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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

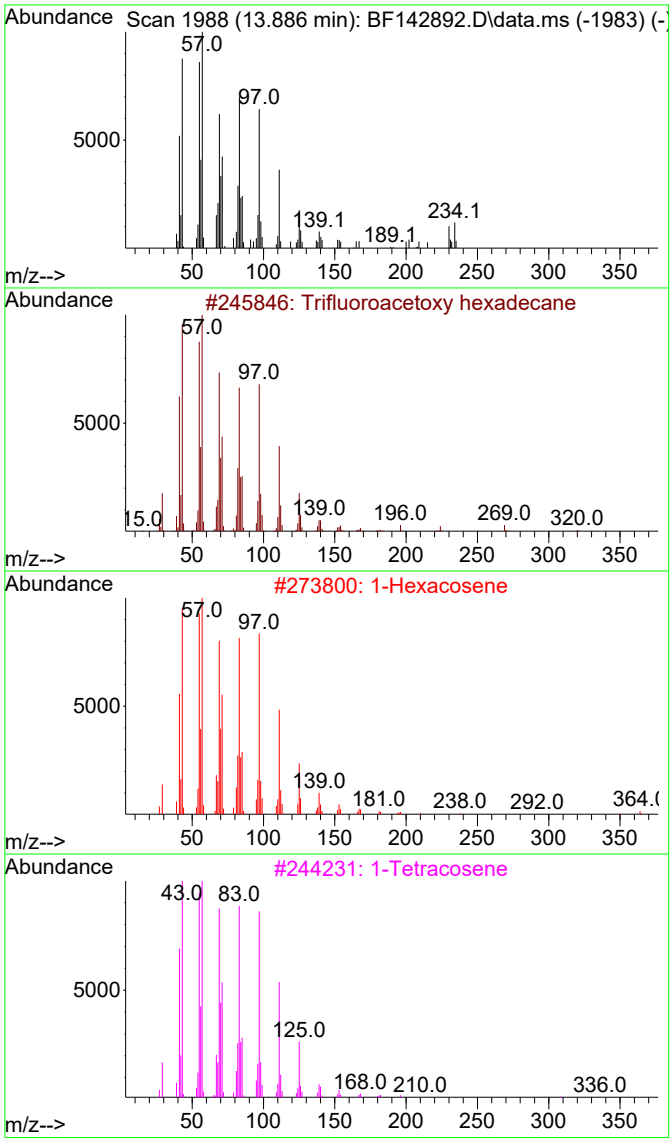
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

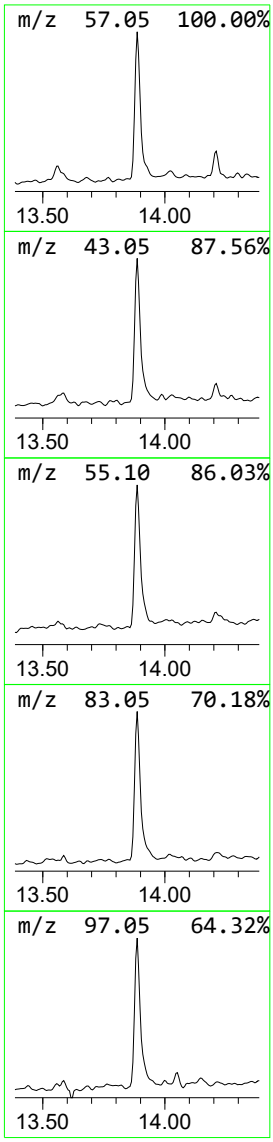
****

Peak Number 4 Trifluoroacetoxy hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.31 ng	102724	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
2	1-Hexacosene	364	C26H52	018835-33-1	93
3	1-Tetracosene	336	C24H48	010192-32-2	90
4	Behenic alcohol	326	C22H46O	000661-19-8	90
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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

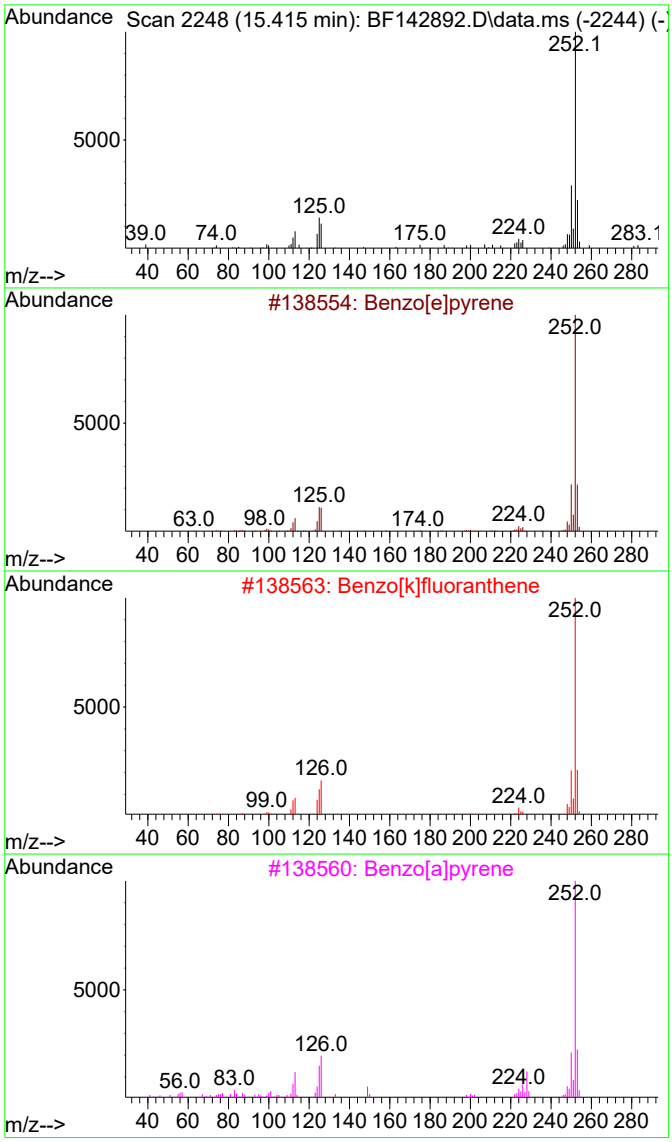
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

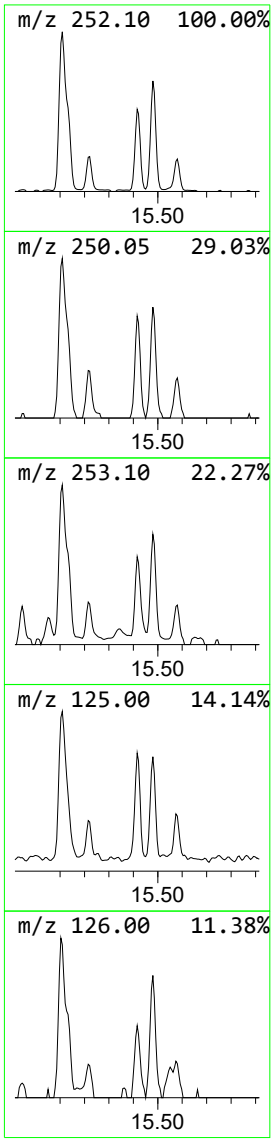
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	2.66 ng	52532	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Sample Results: **BF142892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142892.D
Acq On : 27 Jun 2025 14:47
Operator : RC/JU
Sample : Q2413-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-34

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-...	5.093	6.3	ng	129587	1	6.875	410285	20.0
Benzophenone	10.628	7.1	ng	179273	3	9.916	508129	20.0
n-Hexadecanoic ...	11.927	3.5	ng	78843	4	11.404	450063	20.0
Trifluoroacetox...	13.886	3.3	ng	102724	5	14.051	620019	20.0
Benzo[e]pyrene	15.415	2.7	ng	52532	6	15.545	394916	20.0

Raw Data: **BF142890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142890.D	1	06/26/25 09:20	06/27/25 13:48	PB168625

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	24.1	U	24.1	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.5	U	26.5	190	ug/Kg
95-57-8	2-Chlorophenol	26.6	U	26.6	190	ug/Kg
95-48-7	2-Methylphenol	32.6	U	32.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.9	U	40.9	190	ug/Kg
98-86-2	Acetophenone	32.2	U	32.2	190	ug/Kg
65794-96-9	3+4-Methylphenols	44.8	U	44.8	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.7	U	51.7	87.3	ug/Kg
67-72-1	Hexachloroethane	19.2	U	19.2	190	ug/Kg
98-95-3	Nitrobenzene	20.0	U	20.0	190	ug/Kg
78-59-1	Isophorone	35.8	U	35.8	190	ug/Kg
88-75-5	2-Nitrophenol	63.5	U	63.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	70.7	U	70.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.6	U	33.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	30.9	U	30.9	190	ug/Kg
91-20-3	Naphthalene	24.8	U	24.8	190	ug/Kg
106-47-8	4-Chloroaniline	38.6	U	38.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	27.6	U	27.6	190	ug/Kg
105-60-2	Caprolactam	56.9	U	56.9	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31.3	U	31.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	27.9	U	27.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.6	U	21.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.8	U	31.8	190	ug/Kg
92-52-4	1,1-Biphenyl	23.8	U	23.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	24.6	U	24.6	190	ug/Kg
88-74-4	2-Nitroaniline	52.5	U	52.5	190	ug/Kg
131-11-3	Dimethylphthalate	29.6	U	29.6	190	ug/Kg

Raw Data: **BF142890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142890.D	1	06/26/25 09:20	06/27/25 13:48	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.5	U	31.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.7	U	36.7	190	ug/Kg
99-09-2	3-Nitroaniline	50.2	U	50.2	190	ug/Kg
83-32-9	Acenaphthene	23.2	U	23.2	190	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	24.8	U	24.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.7	U	54.7	190	ug/Kg
84-66-2	Diethylphthalate	30.9	U	30.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.1	U	29.1	190	ug/Kg
86-73-7	Fluorene	27.6	U	27.6	190	ug/Kg
100-01-6	4-Nitroaniline	70.1	U	70.1	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.9	U	35.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30.3	U	30.3	190	ug/Kg
118-74-1	Hexachlorobenzene	27.6	U	27.6	190	ug/Kg
1912-24-9	Atrazine	37.1	U	37.1	190	ug/Kg
87-86-5	Pentachlorophenol	56.0	U	56.0	360	ug/Kg
85-01-8	Phenanthrene	22.8	U	22.8	190	ug/Kg
120-12-7	Anthracene	36.3	U	36.3	190	ug/Kg
86-74-8	Carbazole	34.0	U	34.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	52.3	U	52.3	190	ug/Kg
206-44-0	Fluoranthene	75.7	J	32.7	190	ug/Kg
129-00-0	Pyrene	39.3	U	39.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	77.9	U	77.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.0	U	40.0	360	ug/Kg
56-55-3	Benzo(a)anthracene	25.1	U	25.1	190	ug/Kg
218-01-9	Chrysene	21.7	U	21.7	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64.6	U	64.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	94.7	U	94.7	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.7	U	20.7	190	ug/Kg

Raw Data: **BF142890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142890.D	1	06/26/25 09:20	06/27/25 13:48	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.4	U	24.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.2	U	32.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.8	U	31.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.9	U	29.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.0	U	28.0	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.9	U	27.9	190	ug/Kg
123-91-1	1,4-Dioxane	49.3	U	49.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.9	U	29.9	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	83.0		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	82.9		15 - 107	55%	SPK: 150
4165-60-0	Nitrobenzene-d5	52.6		18 - 107	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.1		20 - 109	55%	SPK: 100
118-79-6	2,4,6-Tribromophenol	73.8		10 - 116	49%	SPK: 150
1718-51-0	Terphenyl-d14	38.3		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71700	6.875			
1146-65-2	Naphthalene-d8	267000	8.157			
15067-26-2	Acenaphthene-d10	131000	9.916			
1517-22-2	Phenanthrene-d10	190000	11.404			
1719-03-5	Chrysene-d12	154000	14.051			
1520-96-3	Perylene-d12	153000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	230	A		5.09	ug/Kg
000119-61-9	Benzophenone	280	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	150	J		11.9	ug/Kg
018835-33-1	1-Hexacosene	140	J		13.9	ug/Kg
000205-82-3	Benzo[j]fluoranthene	110	J		15.1	ug/Kg

Raw Data: **BF142890.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	91.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142890.D	1	06/26/25 09:20	06/27/25 13:48	PB168625

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\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

Quant Time: Jun 27 14:13:24 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	71725	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	266677	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	131150	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	189644	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153845	20.000	ng	0.00
86) Perylene-d12	15.545	264	153297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	357655	83.021	ng	0.00
7) Phenol-d6	6.504	99	421280	82.887	ng	0.00
23) Nitrobenzene-d5	7.440	82	255919	52.638	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	99559	73.768	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	550592	55.150	ng	-0.01
79) Terphenyl-d14	12.992	244	426892	38.340	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	20300	2.082	ng	100

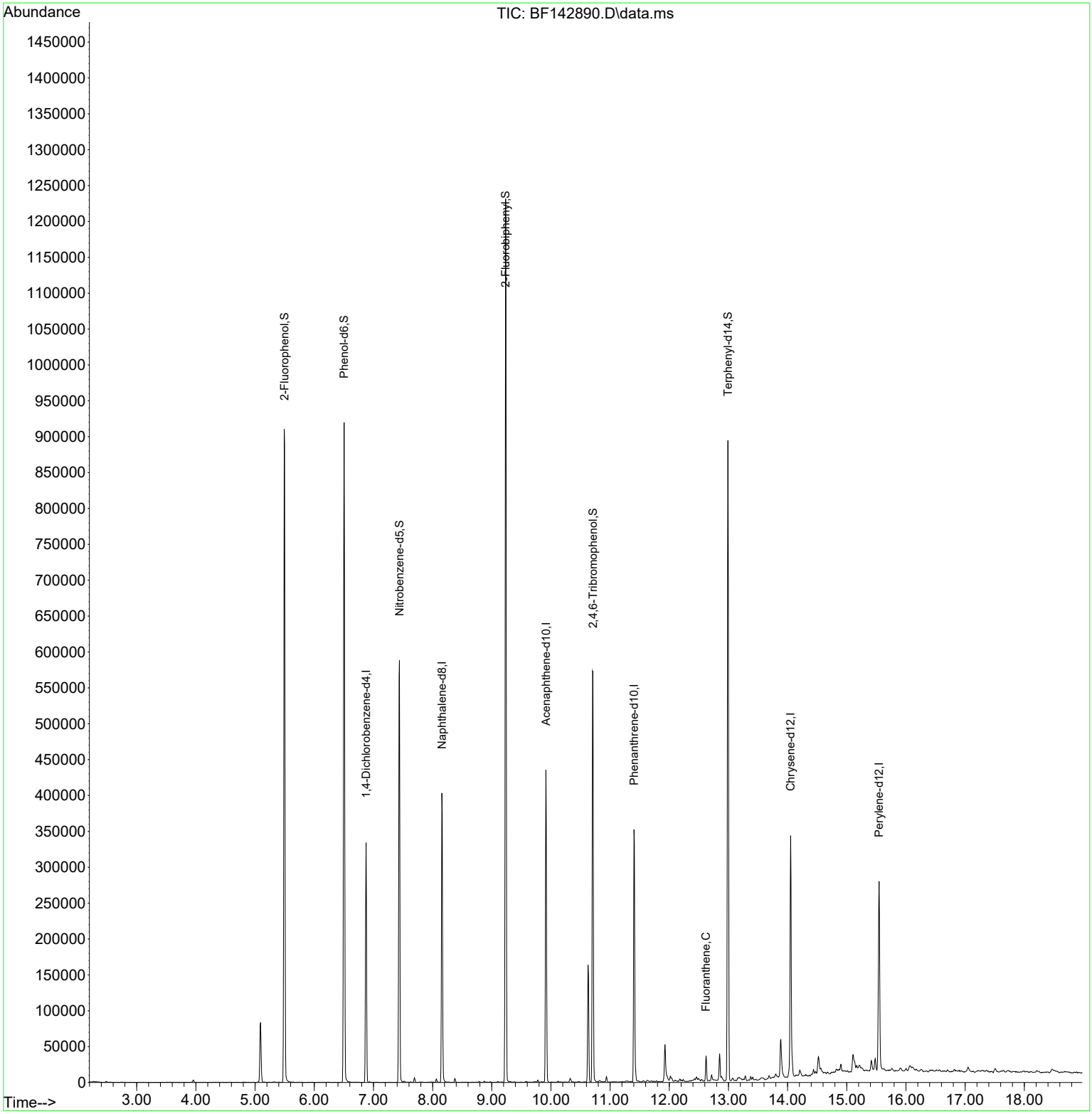
(#) = qualifier out of range (m) = manual integration (+) = signals summed

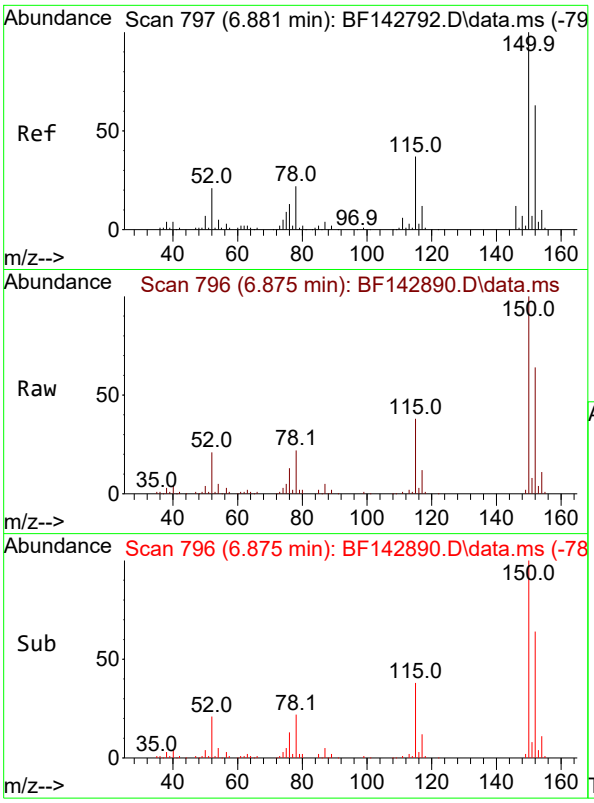
Sample Results: **BF142890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

Quant Time: Jun 27 14:13:24 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



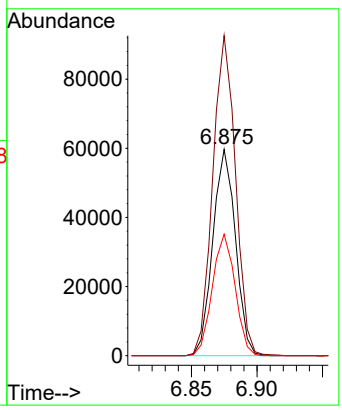


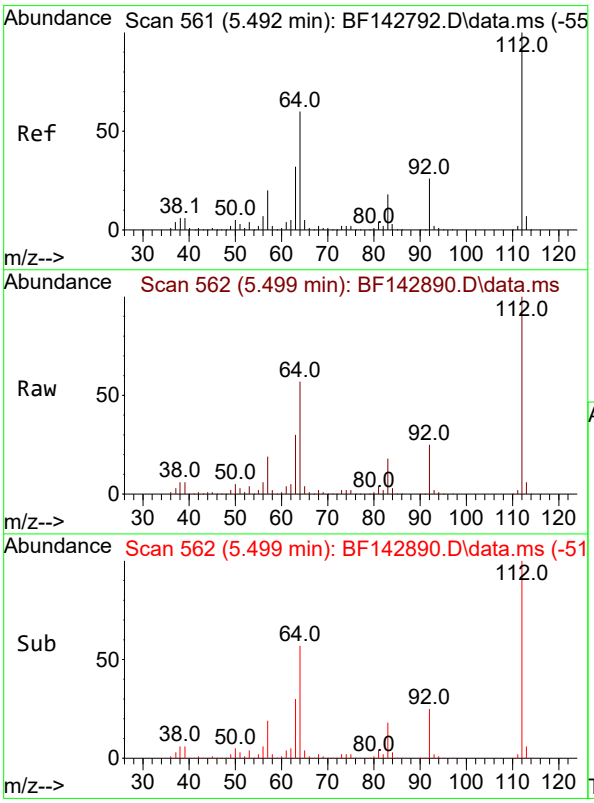
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:152 Resp: 71725

Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.2	190.8
115	58.8	46.6	69.8

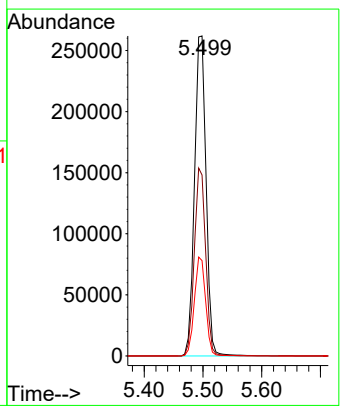


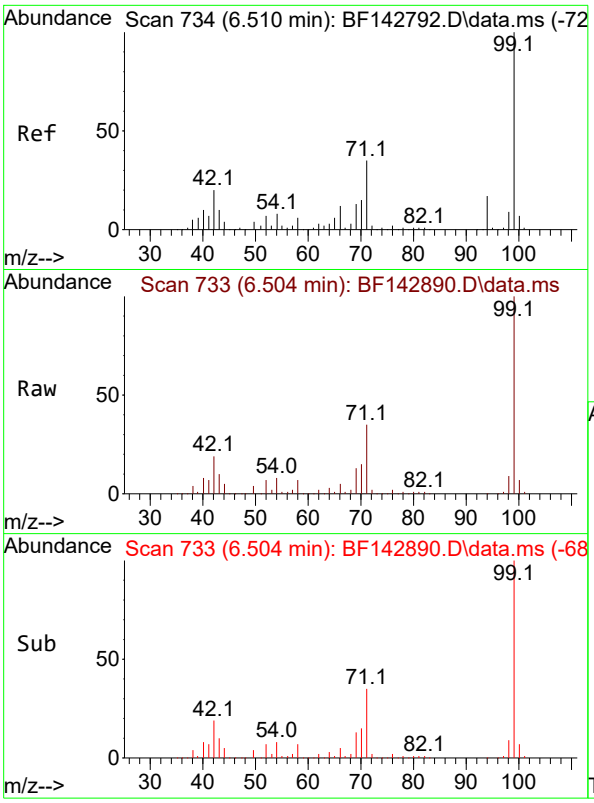


#5
2-Fluorophenol
Concen: 83.021 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.007 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:112 Resp: 357655

Ion	Ratio	Lower	Upper
112	100		
64	56.5	48.2	72.2
63	29.8	25.7	38.5



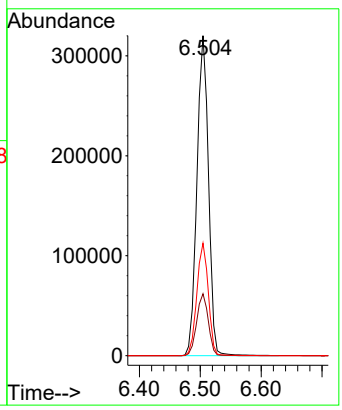


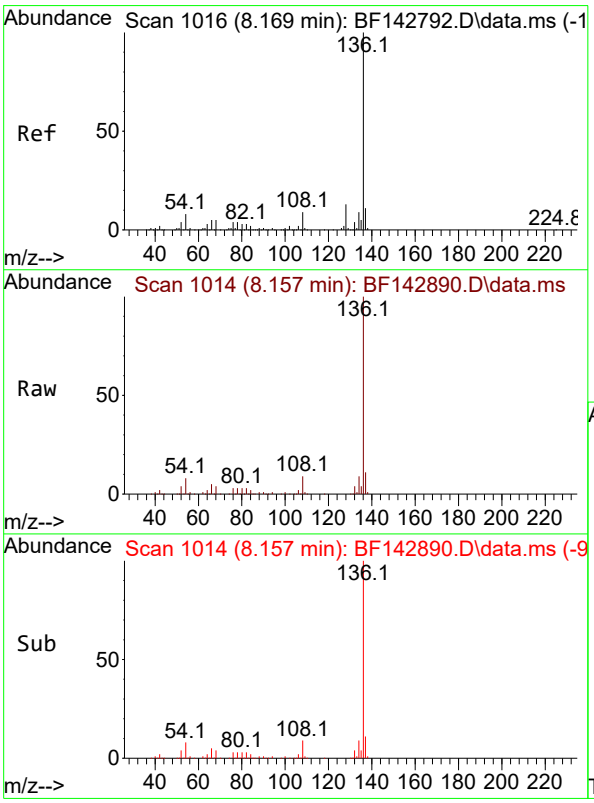
#7
Phenol-d6
Concen: 82.887 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion: 99 Resp: 421280

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.9	23.9
71	35.1	27.8	41.8

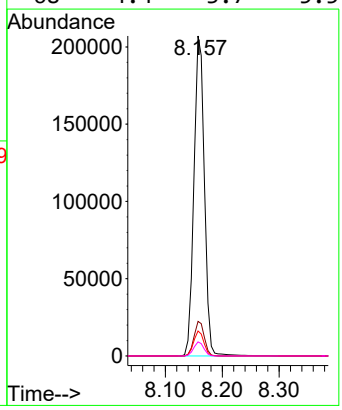


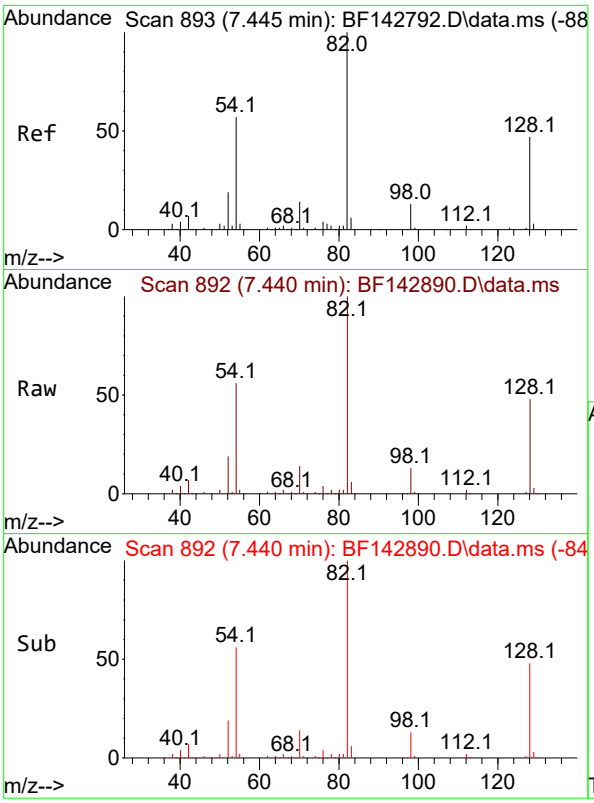


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:136 Resp: 266677

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.4	3.7	5.5



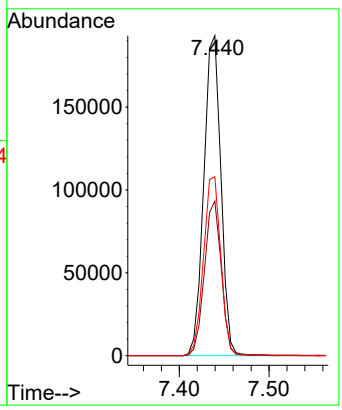


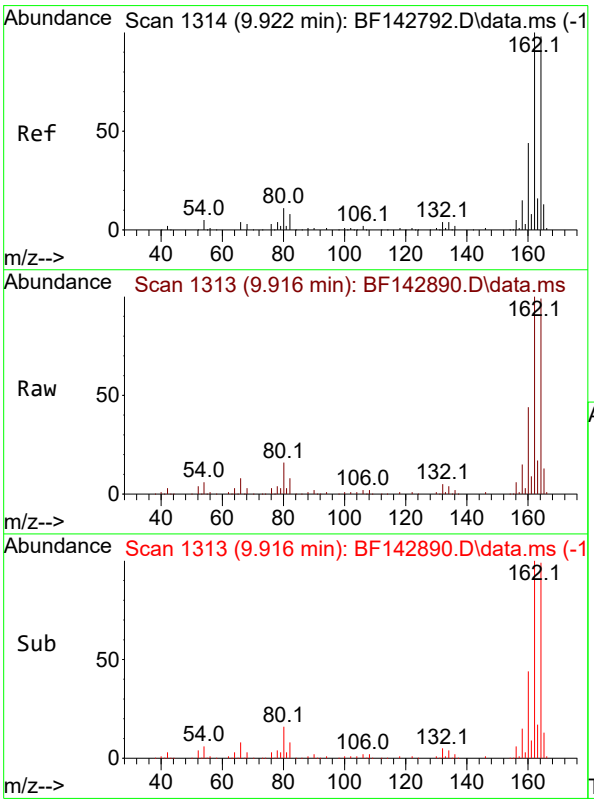
#23
Nitrobenzene-d5
Concen: 52.638 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion: 82 Resp: 255919

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

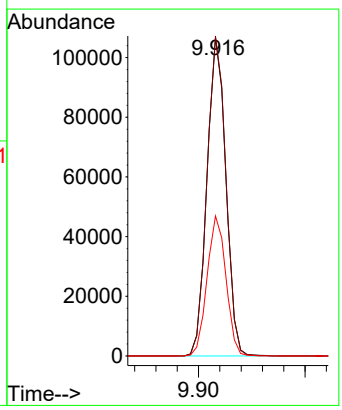


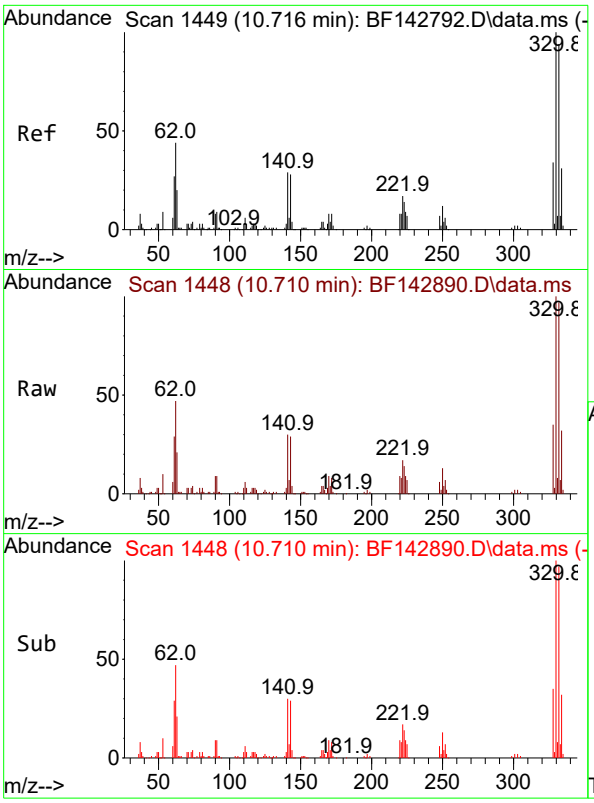


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:164 Resp: 131150

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.8
160	44.0	36.0	54.0



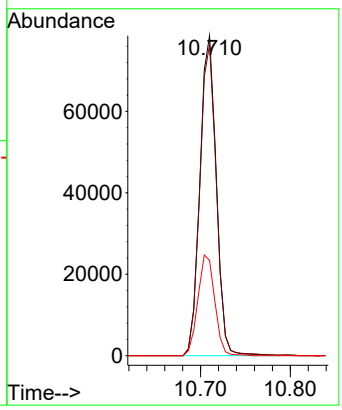


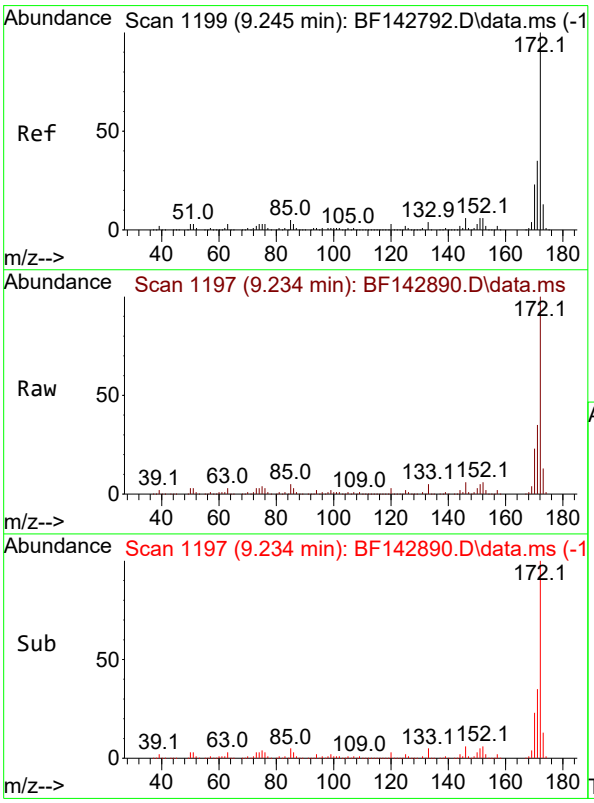
#42
2,4,6-Tribromophenol
Concen: 73.768 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:330 Resp: 99559

Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.0	112.6
141	32.4	25.3	37.9

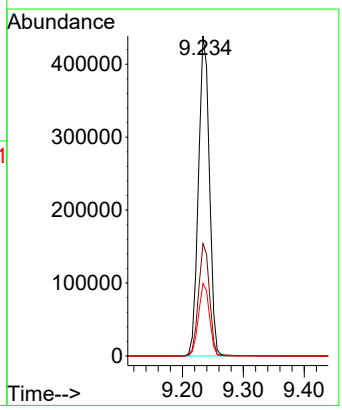


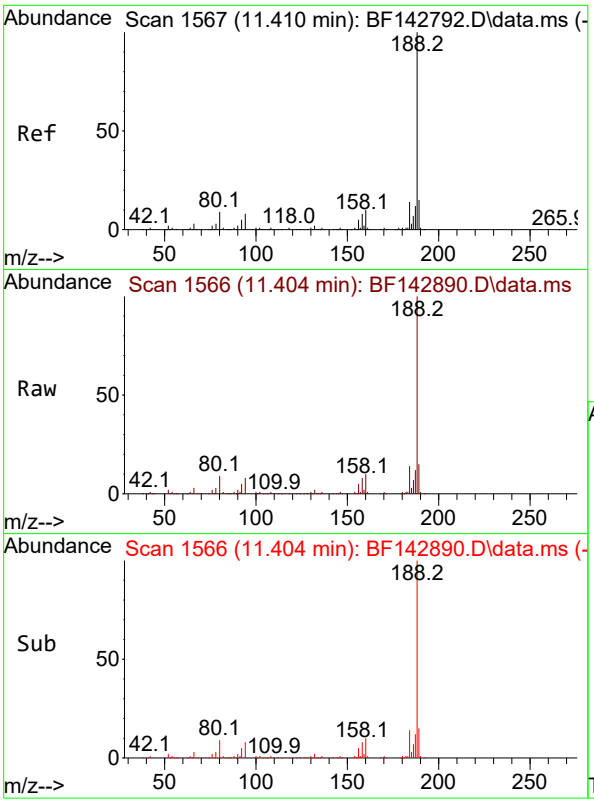


#45
2-Fluorobiphenyl
Concen: 55.150 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:172 Resp: 550592

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	22.6	18.5	27.7



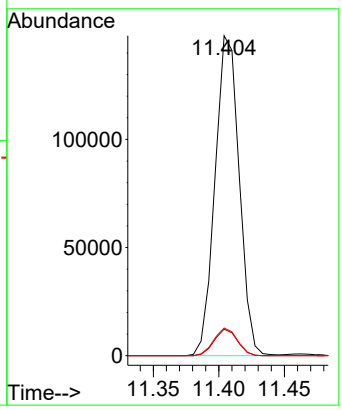


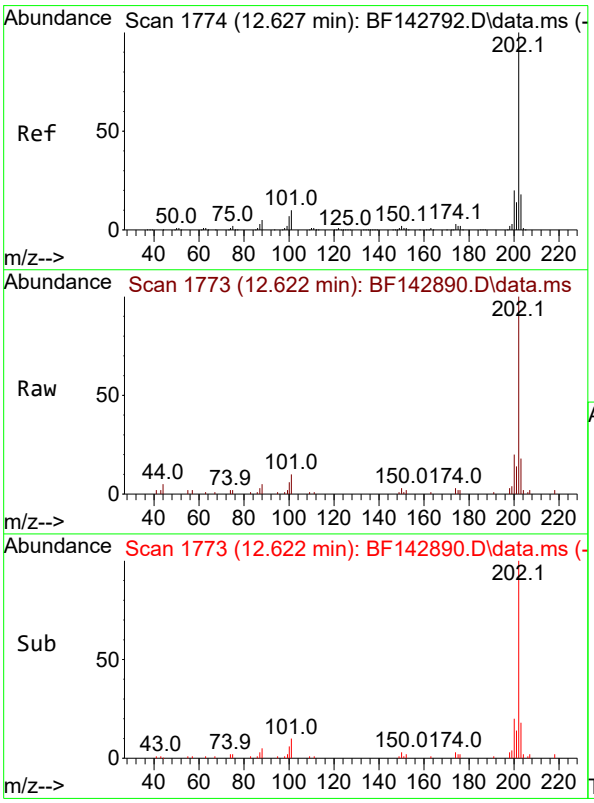
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:188 Resp: 189644

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.7	10.1
80	8.6	6.9	10.3

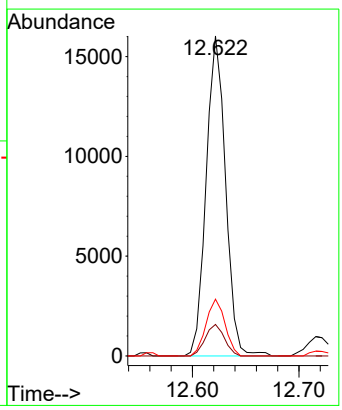


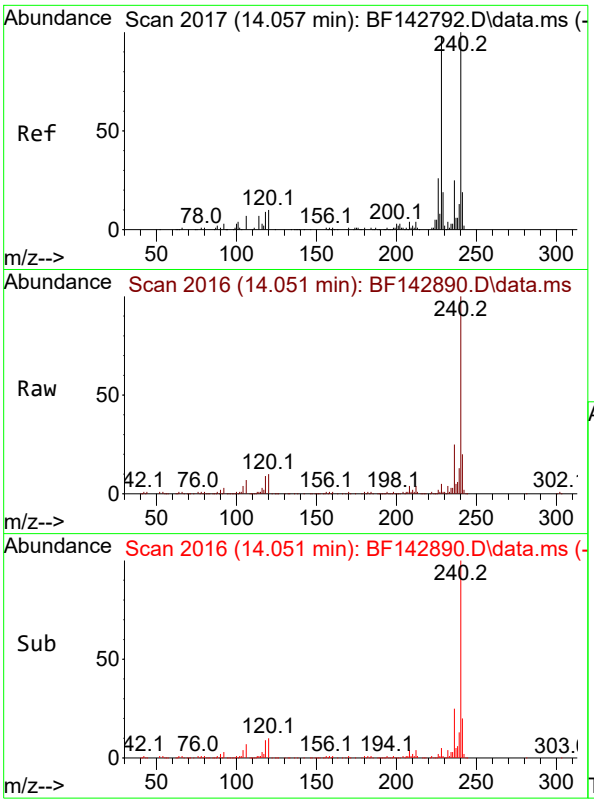


#75
Fluoranthene
Concen: 2.082 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:202 Resp: 20300

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.7	0.0	37.5



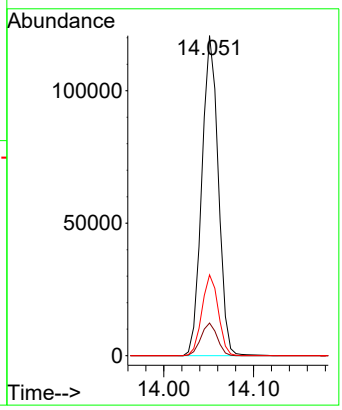


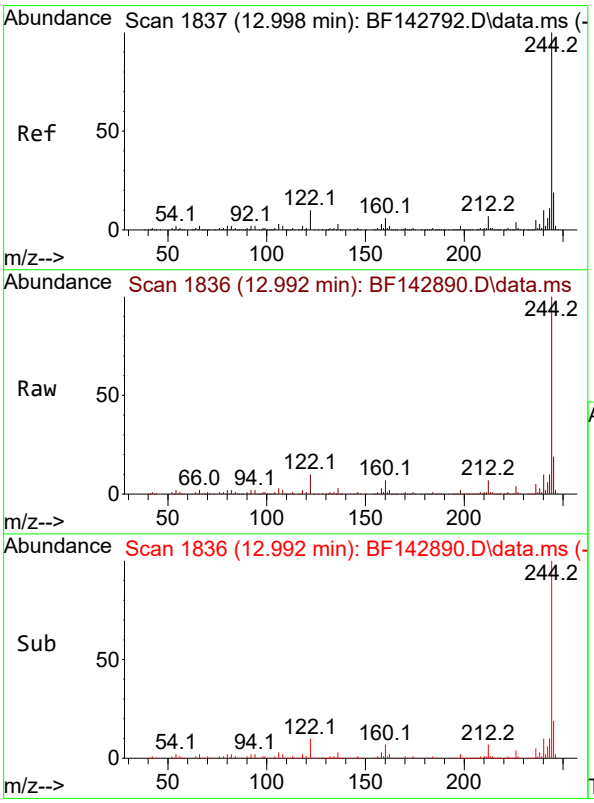
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:240 Resp: 153845

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.3	19.8	29.8

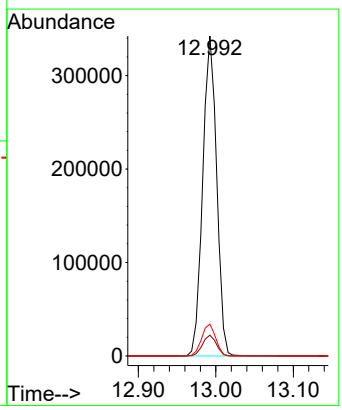


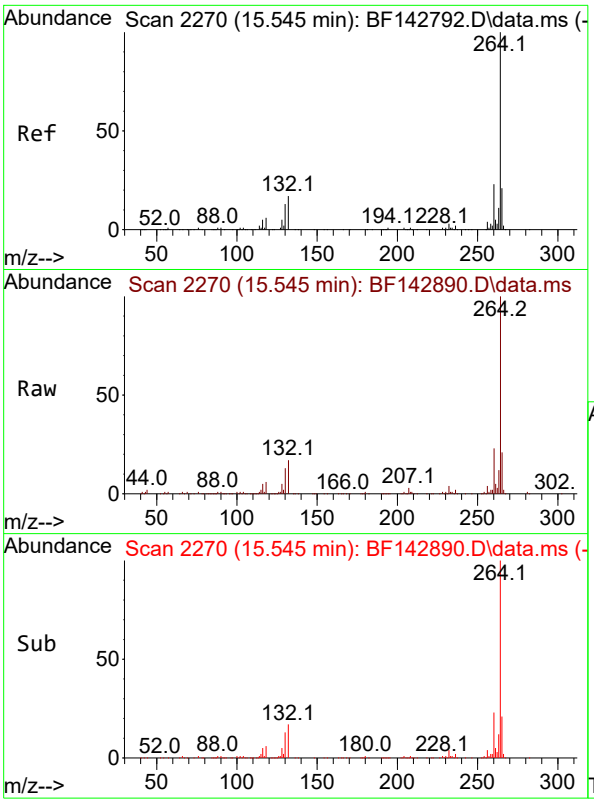


#79
Terphenyl-d14
Concen: 38.340 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:244 Resp: 426892

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.9	8.2	12.2



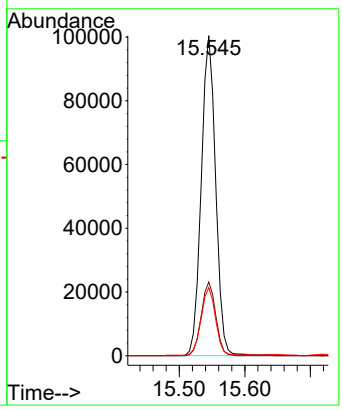


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:264 Resp: 153297

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.1	27.1
265	21.2	16.6	25.0



Sample Results: **BF142890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

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: BF142890.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	487	493	501	rVB	83307	124457	8.16%	1.223%
2	5.493	556	561	578	rBV	910084	1223733	80.27%	12.030%
3	6.504	727	733	738	rBV	919596	1205908	79.11%	11.855%
4	6.875	791	796	801	rBV	333848	399491	26.21%	3.927%
5	7.440	886	892	897	rBV	588267	776511	50.94%	7.633%
6	8.157	1009	1014	1031	rBV	403073	514803	33.77%	5.061%
7	9.234	1192	1197	1202	rBV	1230807	1524436	100.00%	14.986%
8	9.916	1308	1313	1318	rBV	434871	529716	34.75%	5.207%
9	10.628	1429	1434	1442	rVB	163546	204076	13.39%	2.006%
10	10.704	1442	1447	1461	rBV	572828	760901	49.91%	7.480%
11	11.404	1561	1566	1575	rBV	351808	465107	30.51%	4.572%
12	11.928	1648	1655	1667	rBV3	51604	94221	6.18%	0.926%
13	12.622	1768	1773	1779	rBV	35508	43458	2.85%	0.427%
14	12.851	1807	1812	1816	rBV	36825	49007	3.21%	0.482%
15	12.992	1830	1836	1841	rBV	891657	1110870	72.87%	10.920%
16	13.886	1983	1988	2001	rVB2	52434	94187	6.18%	0.926%
17	14.051	2007	2016	2028	rBV	336857	489410	32.10%	4.811%
18	14.522	2091	2096	2101	rBV3	23093	44891	2.94%	0.441%
19	15.104	2190	2195	2203	rBV	24365	62456	4.10%	0.614%
20	15.416	2244	2248	2253	rBV	12889	19415	1.27%	0.191%
21	15.480	2255	2259	2264	rVB	15912	23503	1.54%	0.231%
22	15.545	2264	2270	2283	rBV	263314	411877	27.02%	4.049%

Sum of corrected areas: 10172434

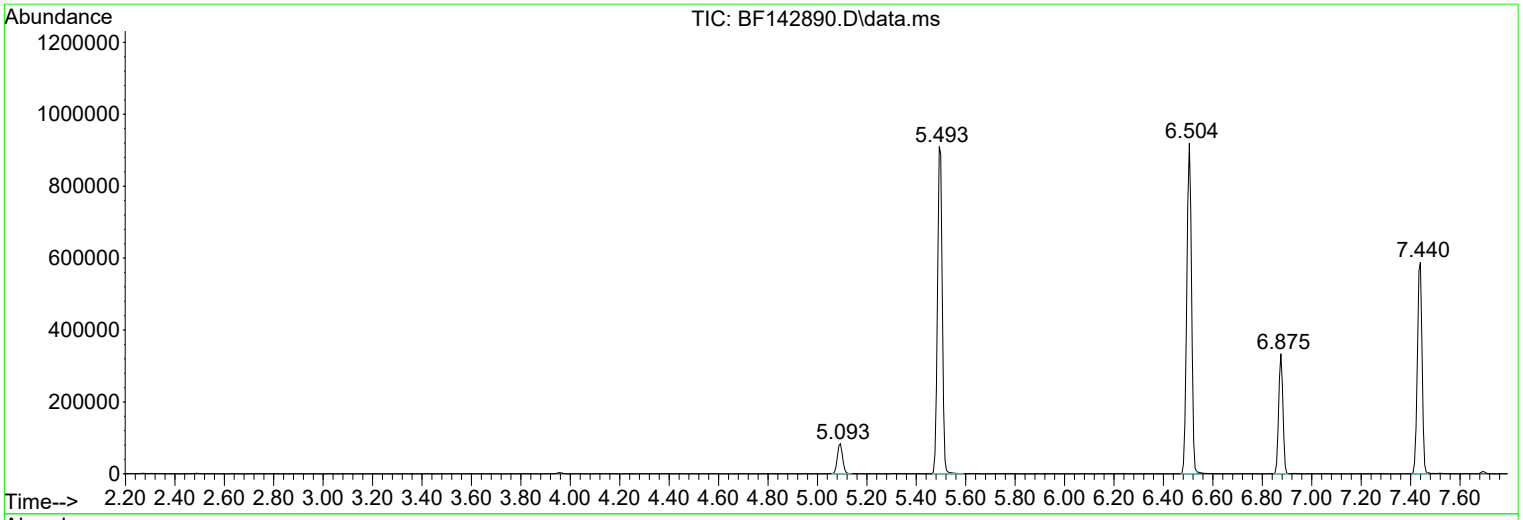
Sample Results: **BF142890.D**

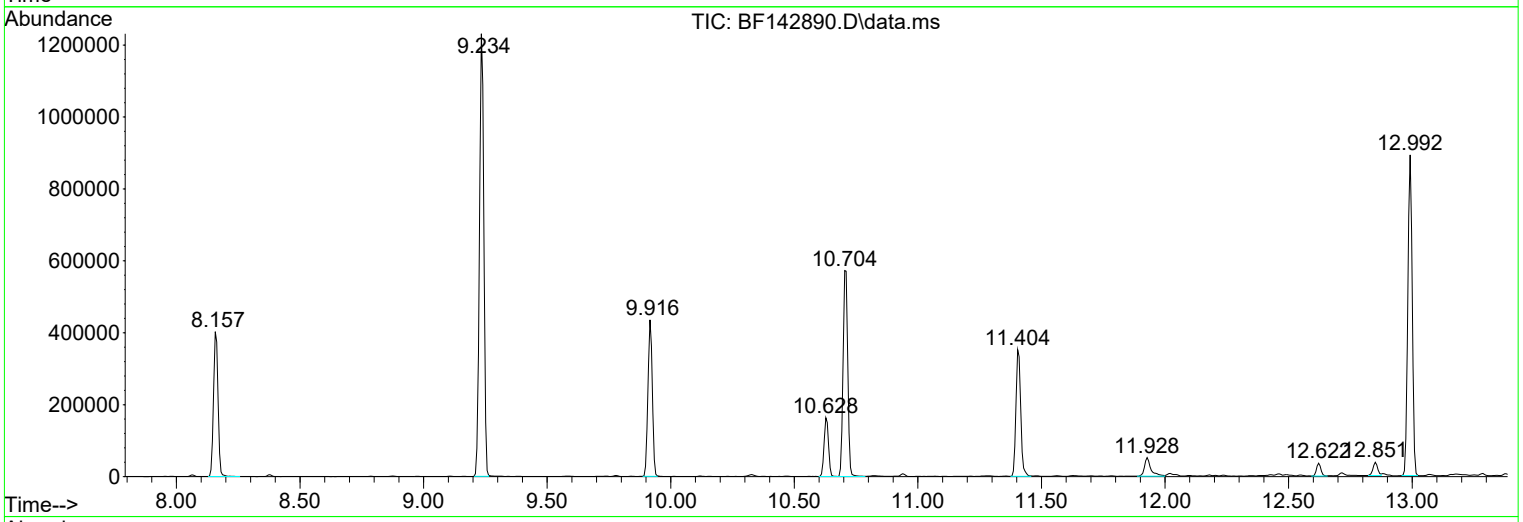
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

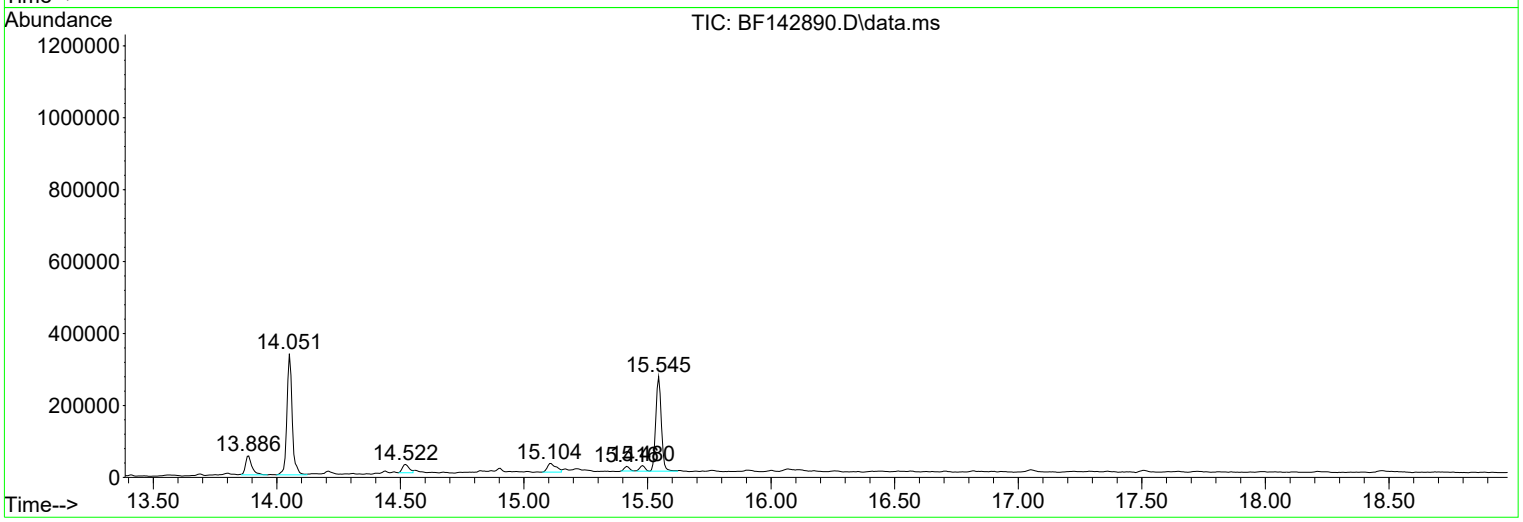
Instrument :
BNA_F
ClientSampleId :
TP-77

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\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

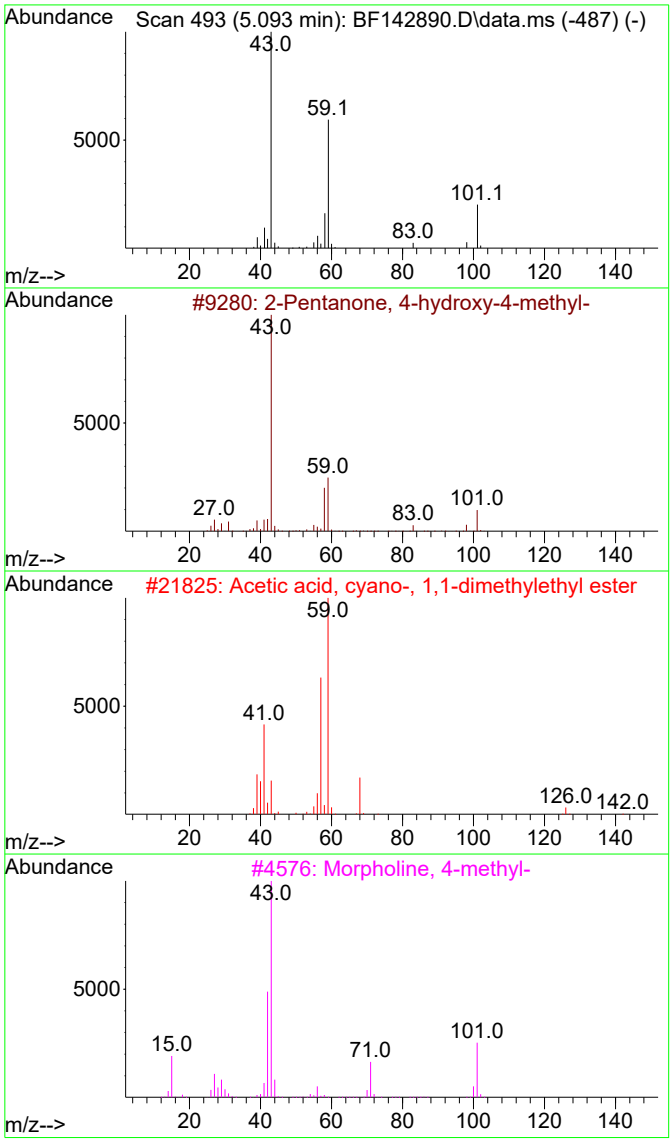
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

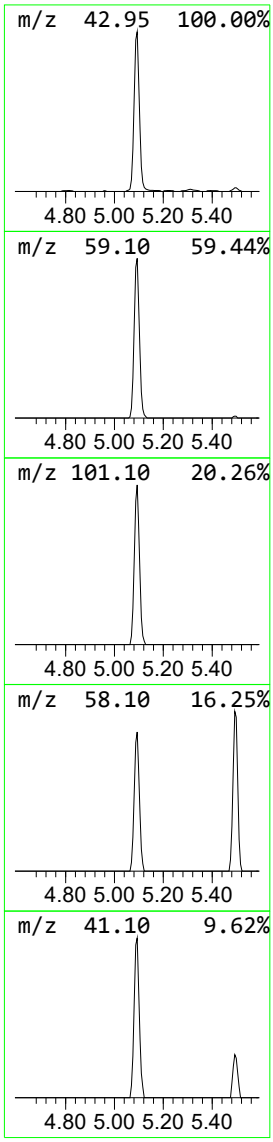
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	6.23 ng	124457	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Sample Results: **BF142890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

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

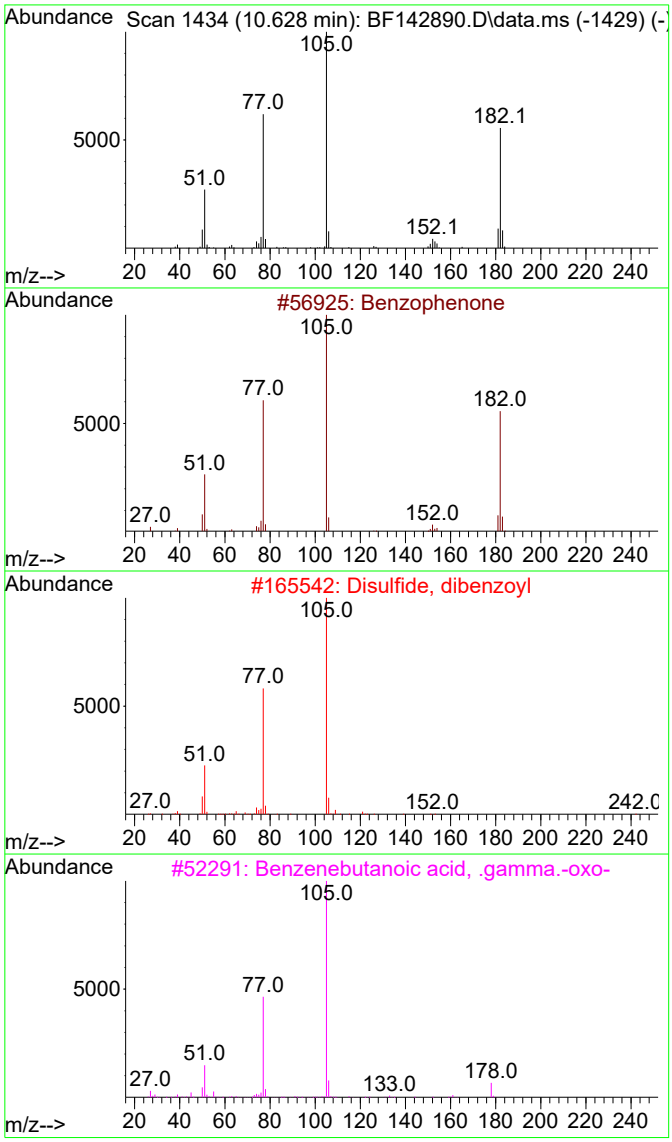
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

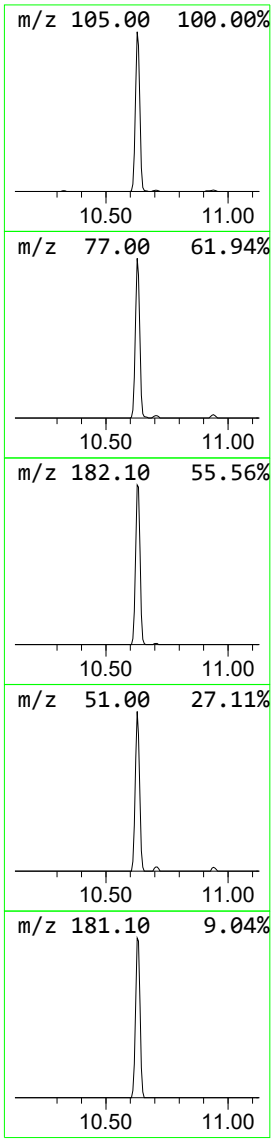
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	7.71 ng	204076	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

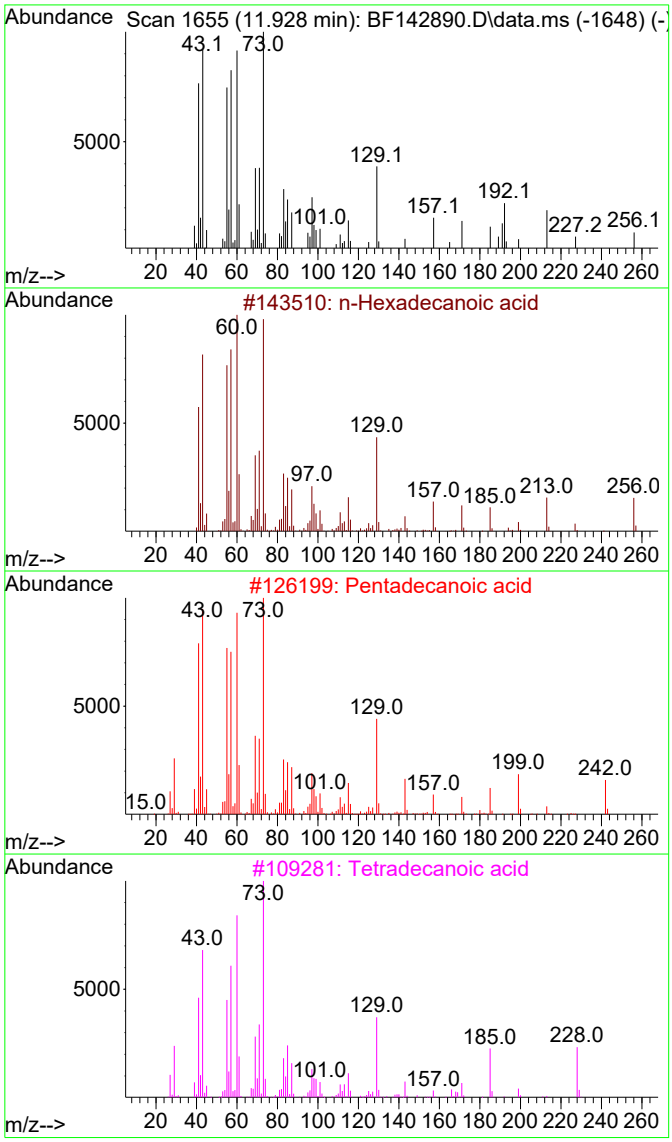
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

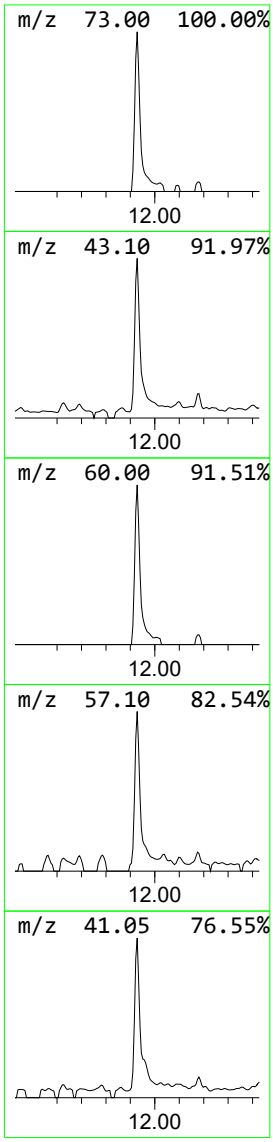
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	4.05 ng	94221	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

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

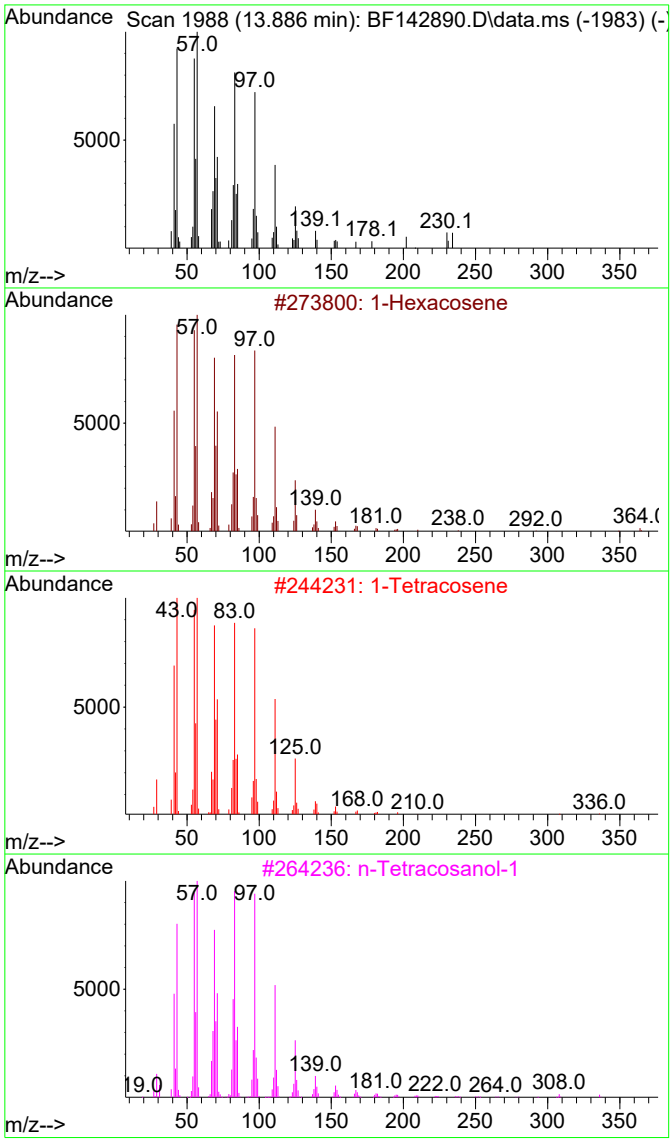
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

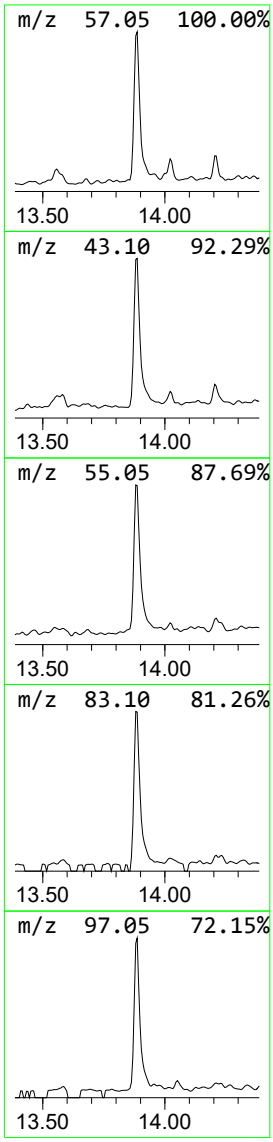
****

Peak Number 5 1-Hexacosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	3.85 ng	94187	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	95
2	1-Tetracosene	336	C24H48	010192-32-2	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	93
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93





Sample Results: **BF142890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

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

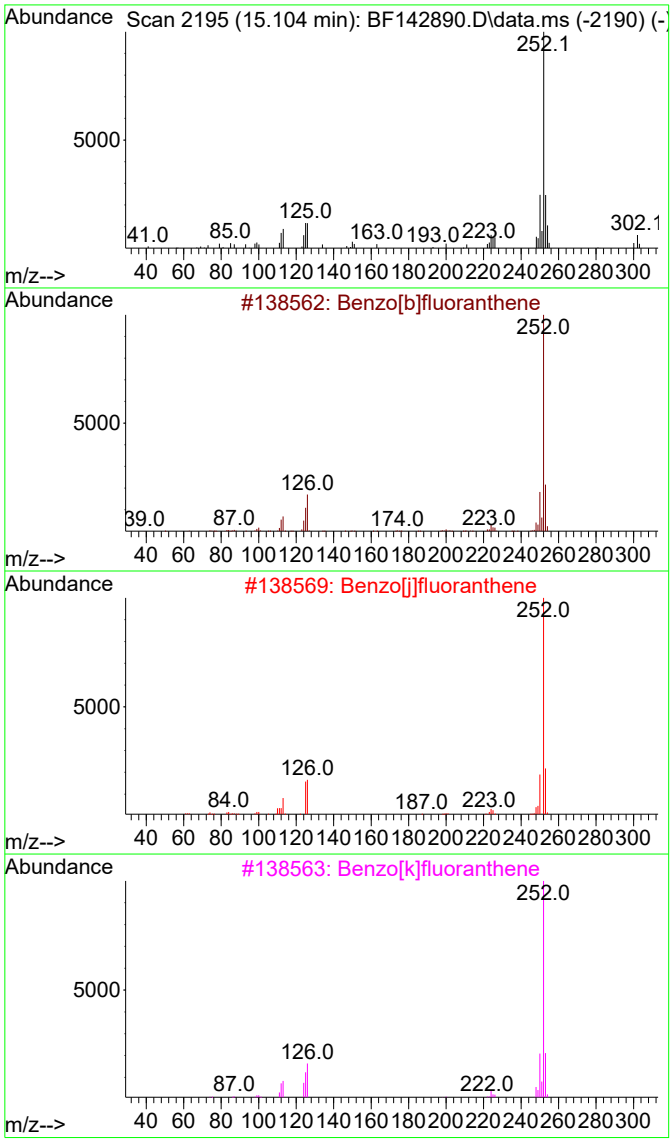
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

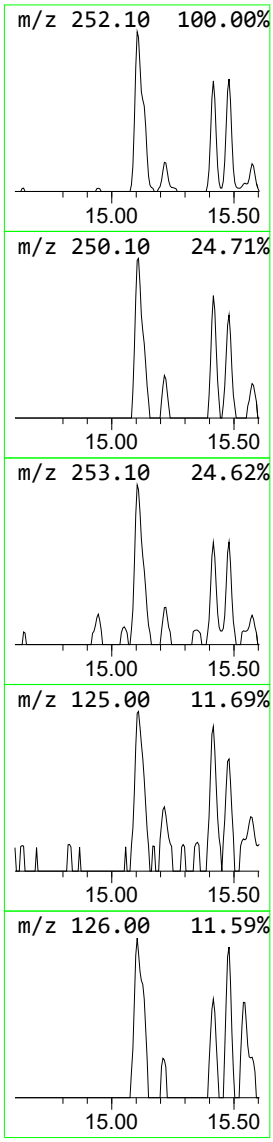
****

Peak Number 6 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.104	3.03 ng	62456	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	86
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
4	Benzo[e]pyrene	252	C20H12	000192-97-2	76
5	Perylene	252	C20H12	000198-55-0	76





Sample Results: **BF142890.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142890.D
Acq On : 27 Jun 2025 13:48
Operator : RC/JU
Sample : Q2413-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-77

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-...	5.093	6.2	ng	124457	1	6.875	399491	20.0
Benzophenone	10.628	7.7	ng	204076	3	9.916	529716	20.0
n-Hexadecanoic ...	11.928	4.0	ng	94221	4	11.404	465107	20.0
1-Hexacosene	13.886	3.9	ng	94187	5	14.051	489410	20.0
Benzo[j]fluoran...	15.104	3.0	ng	62456	6	15.545	411877	20.0

Raw Data: **BF142891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.5
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
BF142891.D	1	06/26/25 09:20	06/27/25 14:17	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	370	ug/Kg
108-95-2	Phenol	24.7	U	24.7	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.1	U	27.1	190	ug/Kg
95-57-8	2-Chlorophenol	27.2	U	27.2	190	ug/Kg
95-48-7	2-Methylphenol	33.4	U	33.4	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41.8	U	41.8	190	ug/Kg
98-86-2	Acetophenone	32.9	U	32.9	190	ug/Kg
65794-96-9	3+4-Methylphenols	45.8	U	45.8	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	52.9	U	52.9	89.2	ug/Kg
67-72-1	Hexachloroethane	19.6	U	19.6	190	ug/Kg
98-95-3	Nitrobenzene	20.4	U	20.4	190	ug/Kg
78-59-1	Isophorone	36.6	U	36.6	190	ug/Kg
88-75-5	2-Nitrophenol	64.9	U	64.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	72.3	U	72.3	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	34.4	U	34.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	31.6	U	31.6	190	ug/Kg
91-20-3	Naphthalene	25.3	U	25.3	190	ug/Kg
106-47-8	4-Chloroaniline	39.5	U	39.5	190	ug/Kg
87-68-3	Hexachlorobutadiene	28.2	U	28.2	190	ug/Kg
105-60-2	Caprolactam	58.1	U	58.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32.0	U	32.0	190	ug/Kg
91-57-6	2-Methylnaphthalene	28.6	U	28.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.1	U	22.1	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	32.5	U	32.5	190	ug/Kg
92-52-4	1,1-Biphenyl	24.3	U	24.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	25.1	U	25.1	190	ug/Kg
88-74-4	2-Nitroaniline	53.7	U	53.7	190	ug/Kg
131-11-3	Dimethylphthalate	30.2	U	30.2	190	ug/Kg

Raw Data: **BF142891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.5
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
BF142891.D	1	06/26/25 09:20	06/27/25 14:17	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	32.2	U	32.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	37.5	U	37.5	190	ug/Kg
99-09-2	3-Nitroaniline	51.3	U	51.3	190	ug/Kg
83-32-9	Acenaphthene	23.8	U	23.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	370	ug/Kg
132-64-9	Dibenzofuran	25.3	U	25.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.9	U	55.9	190	ug/Kg
84-66-2	Diethylphthalate	31.6	U	31.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29.8	U	29.8	190	ug/Kg
86-73-7	Fluorene	28.2	U	28.2	190	ug/Kg
100-01-6	4-Nitroaniline	71.6	U	71.6	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	36.7	U	36.7	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.0	U	31.0	190	ug/Kg
118-74-1	Hexachlorobenzene	28.2	U	28.2	190	ug/Kg
1912-24-9	Atrazine	37.9	U	37.9	190	ug/Kg
87-86-5	Pentachlorophenol	57.2	U	57.2	370	ug/Kg
85-01-8	Phenanthrene	23.3	U	23.3	190	ug/Kg
120-12-7	Anthracene	37.1	U	37.1	190	ug/Kg
86-74-8	Carbazole	34.8	U	34.8	190	ug/Kg
84-74-2	Di-n-butylphthalate	53.4	U	53.4	190	ug/Kg
206-44-0	Fluoranthene	79.0	J	33.5	190	ug/Kg
129-00-0	Pyrene	40.2	U	40.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	79.6	U	79.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40.9	U	40.9	370	ug/Kg
56-55-3	Benzo(a)anthracene	25.7	U	25.7	190	ug/Kg
218-01-9	Chrysene	22.2	U	22.2	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	66.0	U	66.0	190	ug/Kg
117-84-0	Di-n-octyl phthalate	96.8	U	96.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	76.4	J	21.2	190	ug/Kg

Raw Data: **BF142891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.5
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
BF142891.D	1	06/26/25 09:20	06/27/25 14:17	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.0	U	25.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	32.9	U	32.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32.5	U	32.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30.6	U	30.6	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	28.7	U	28.7	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	28.6	U	28.6	190	ug/Kg
123-91-1	1,4-Dioxane	50.4	U	50.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	30.6	U	30.6	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.7		18 - 112	50%	SPK: 150
13127-88-3	Phenol-d6	74.3		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	48.7		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.2		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	67.0		10 - 116	45%	SPK: 150
1718-51-0	Terphenyl-d14	32.5		10 - 105	32%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	74000	6.875			
1146-65-2	Naphthalene-d8	273000	8.157			
15067-26-2	Acenaphthene-d10	136000	9.916			
1517-22-2	Phenanthrene-d10	197000	11.404			
1719-03-5	Chrysene-d12	162000	14.051			
1520-96-3	Perylene-d12	156000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	A		5.09	ug/Kg
000119-61-9	Benzophenone	250	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	110	J		11.9	ug/Kg
959010-23-2	Trifluoroacetic acid, pentadecyl e	90.7	J		13.9	ug/Kg

Raw Data: **BF142891.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.5
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
BF142891.D	1	06/26/25 09:20	06/27/25 14:17	PB168625

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\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

Quant Time: Jun 27 14:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration

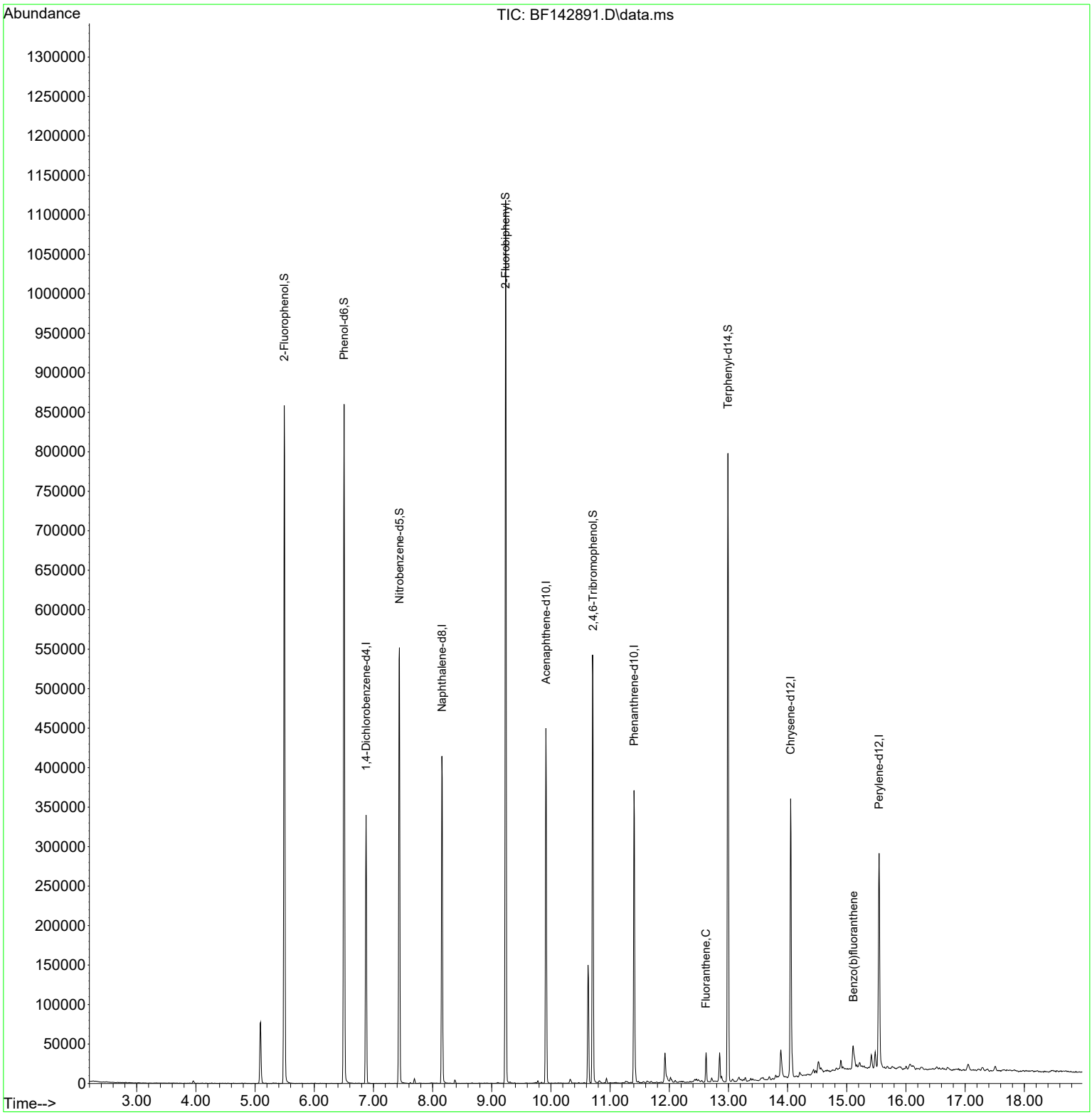
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	73989	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	272969	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	135853	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197144	20.000	ng	0.00
76) Chrysene-d12	14.051	240	161564	20.000	ng	0.00
86) Perylene-d12	15.545	264	156020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	331962	74.699	ng	0.00
7) Phenol-d6	6.504	99	389682	74.324	ng	0.00
23) Nitrobenzene-d5	7.440	82	242594	48.747	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	93619	66.965	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	498274	48.182	ng	-0.01
79) Terphenyl-d14	12.992	244	379744	32.476	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	21526	2.124	ng	99
88) Benzo(b)fluoranthene	15.110	252	18542m	2.054	ng	

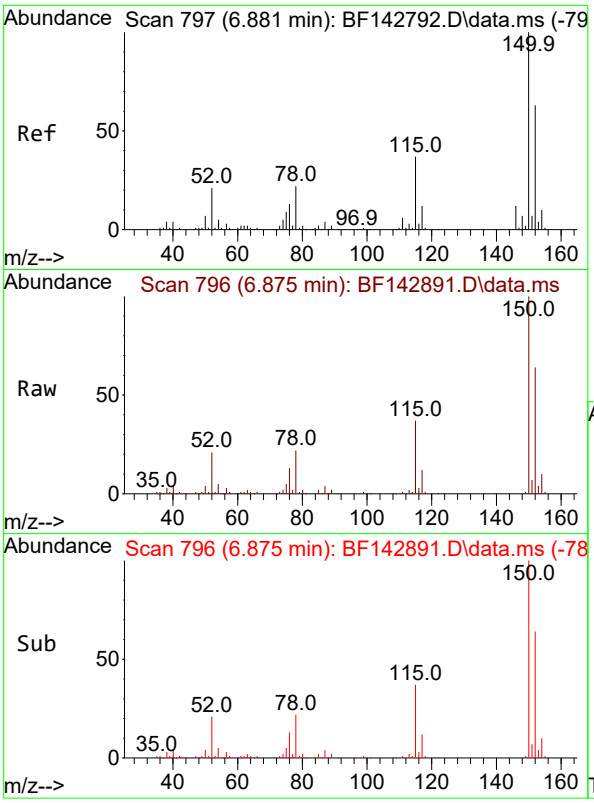
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

Quant Time: Jun 27 14:42:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration



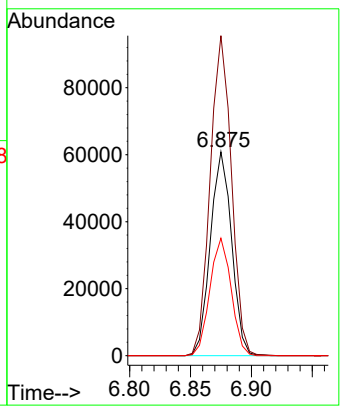


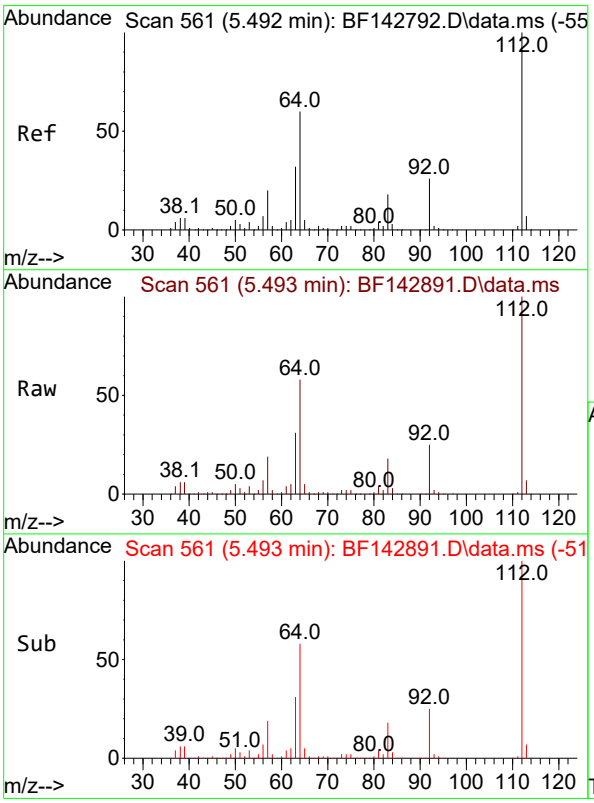
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion:152 Resp: 73989

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.2	190.8
115	57.6	46.6	69.8

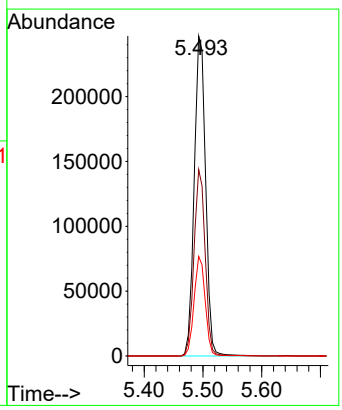


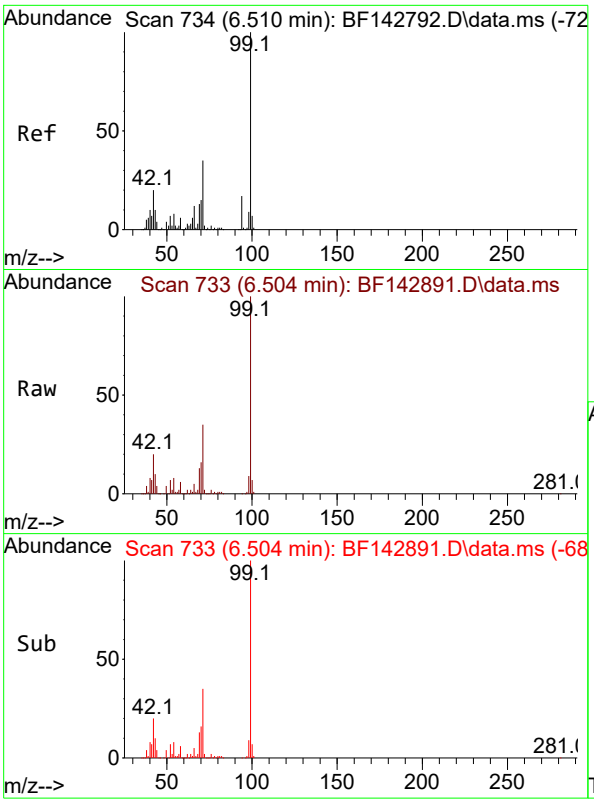


#5
2-Fluorophenol
Concen: 74.699 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:112 Resp: 331962

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.2	72.2
63	31.1	25.7	38.5



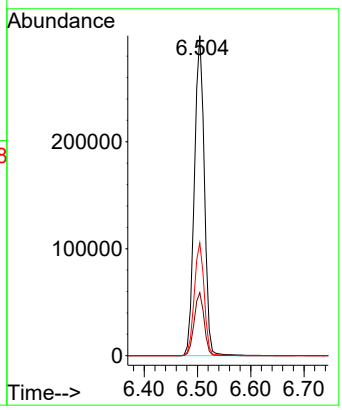


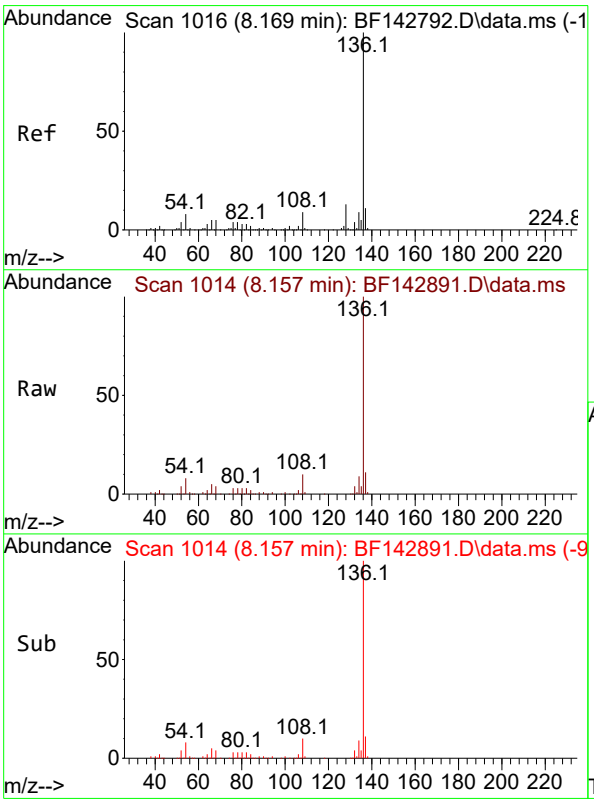
#7
Phenol-d6
Concen: 74.324 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion: 99 Resp: 389682

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.9	23.9
71	35.3	27.8	41.8

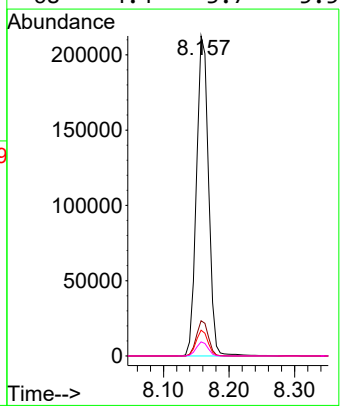


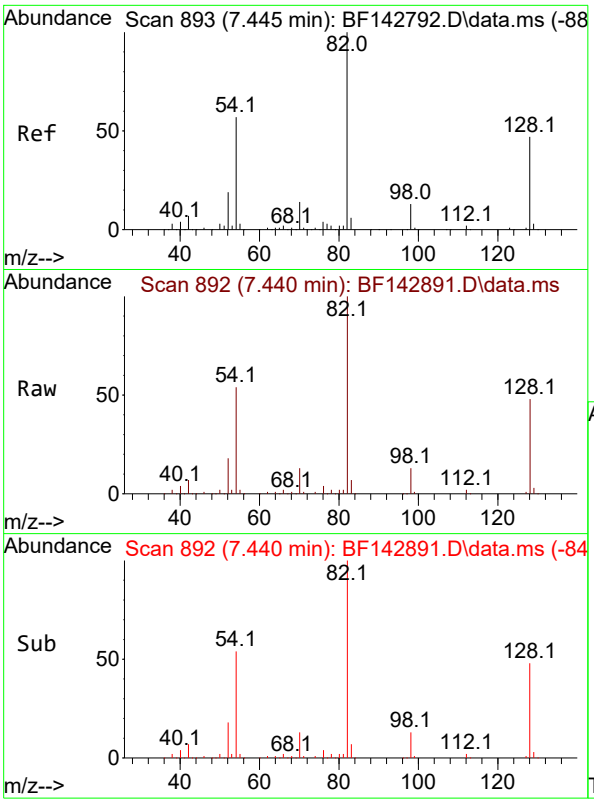


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:136 Resp: 272969

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.0	6.3	9.5
68	4.4	3.7	5.5



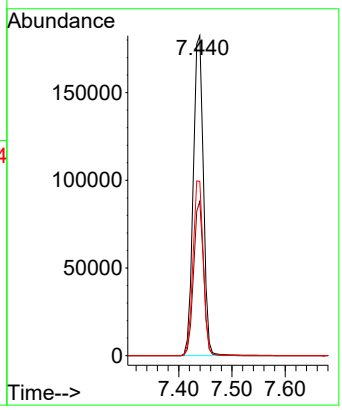


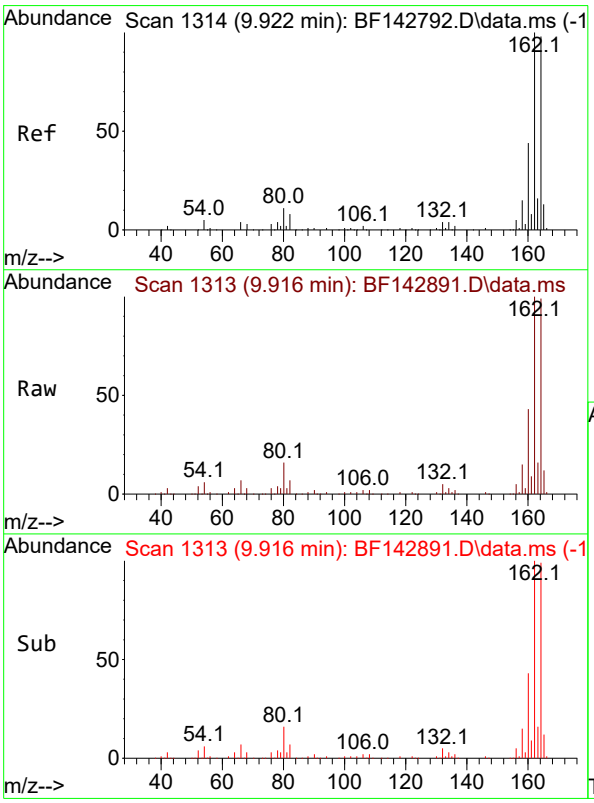
#23
Nitrobenzene-d5
Concen: 48.747 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion: 82 Resp: 242594

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	54.5	45.7	68.5

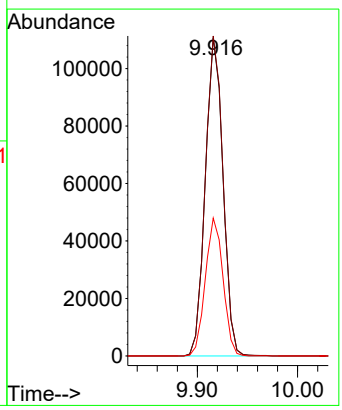


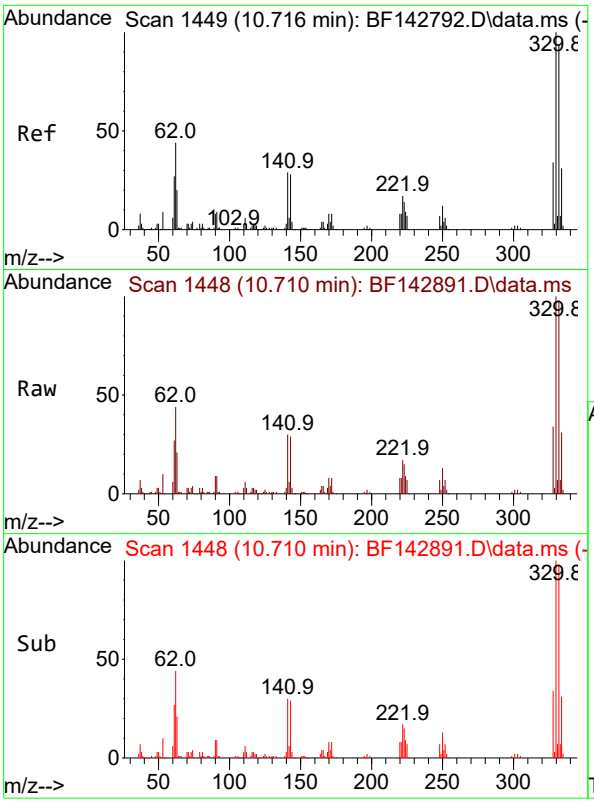


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:164 Resp: 135853

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.8	122.8
160	43.3	36.0	54.0



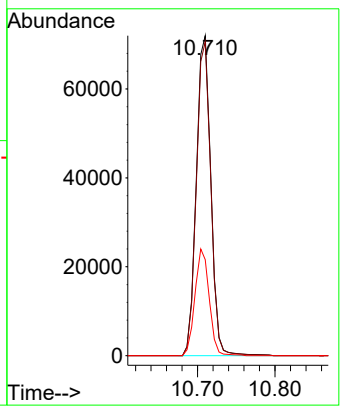


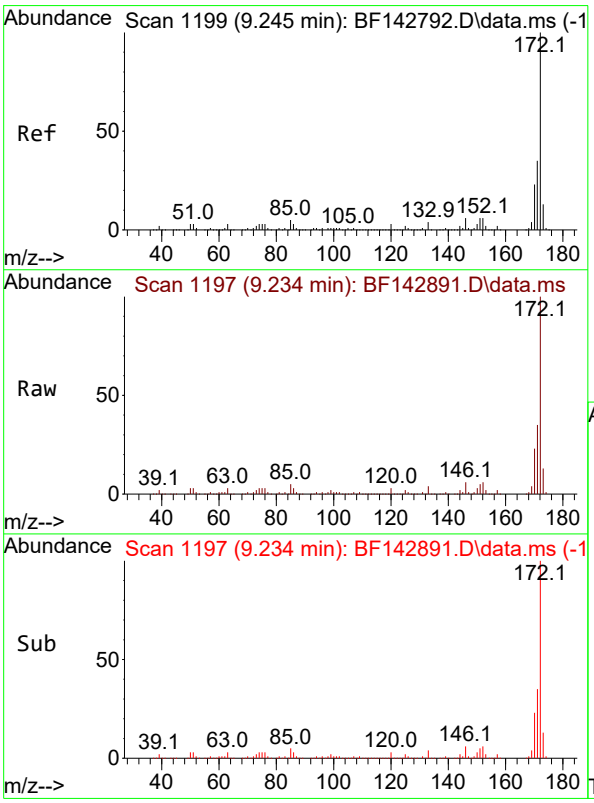
#42
2,4,6-Tribromophenol
Concen: 66.965 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion:330 Resp: 93619

Ion	Ratio	Lower	Upper
330	100		
332	97.5	75.0	112.6
141	32.8	25.3	37.9

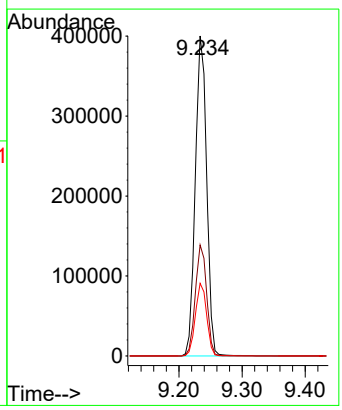


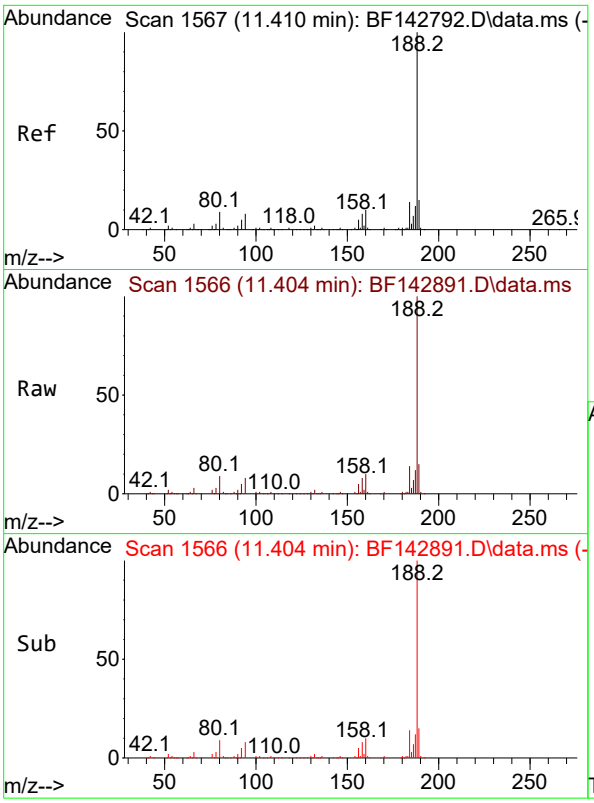


#45
2-Fluorobiphenyl
Concen: 48.182 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:172 Resp: 498274

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	22.7	18.5	27.7



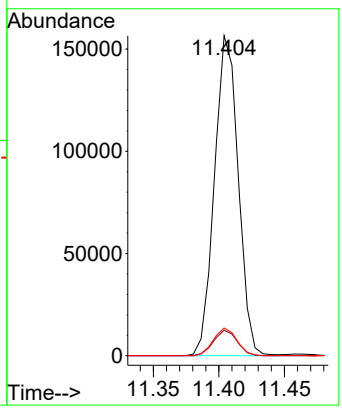


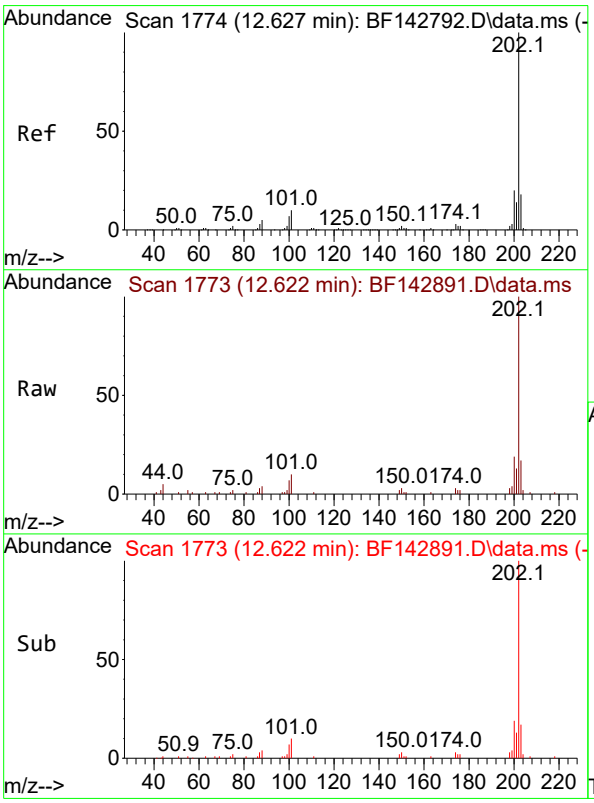
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion:188 Resp: 197144

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.7	6.9	10.3

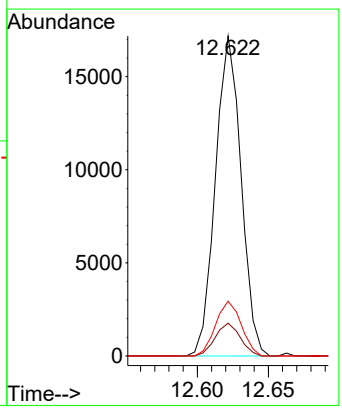


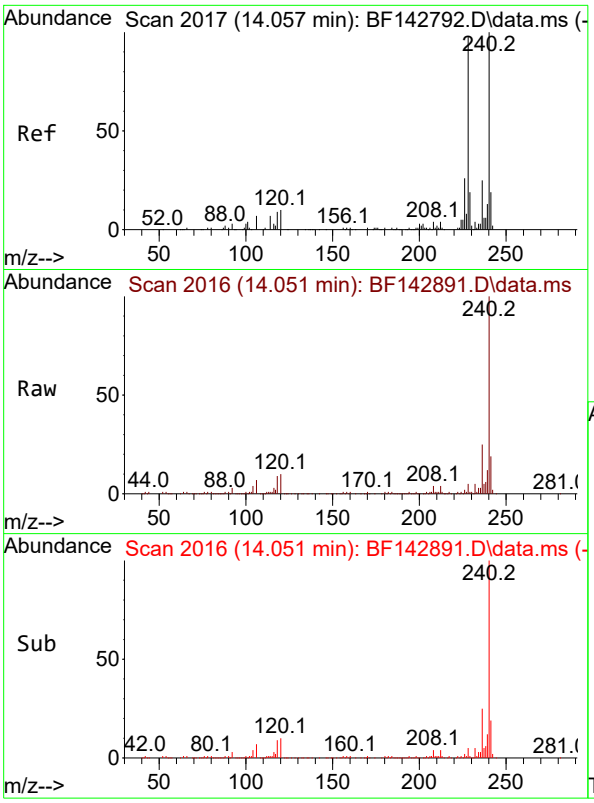


#75
Fluoranthene
Concen: 2.124 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:202 Resp: 21526

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	29.7
203	17.1	0.0	37.5



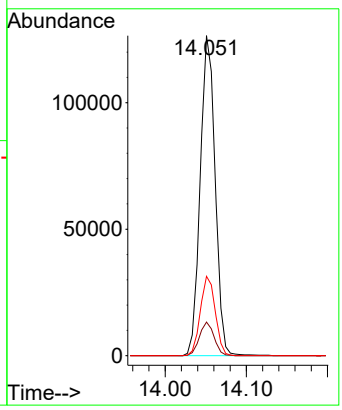


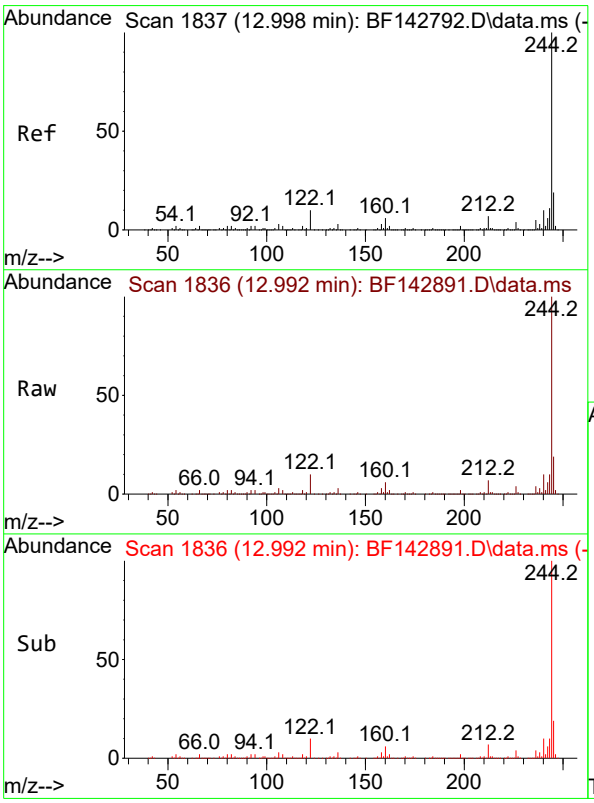
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion:240 Resp: 161564

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.2	12.2
236	24.8	19.8	29.8

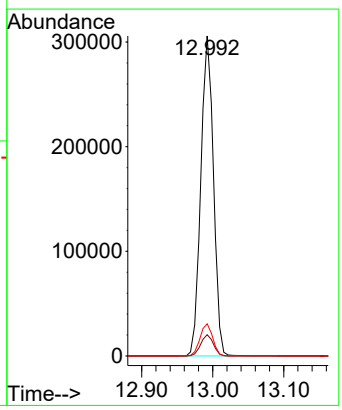


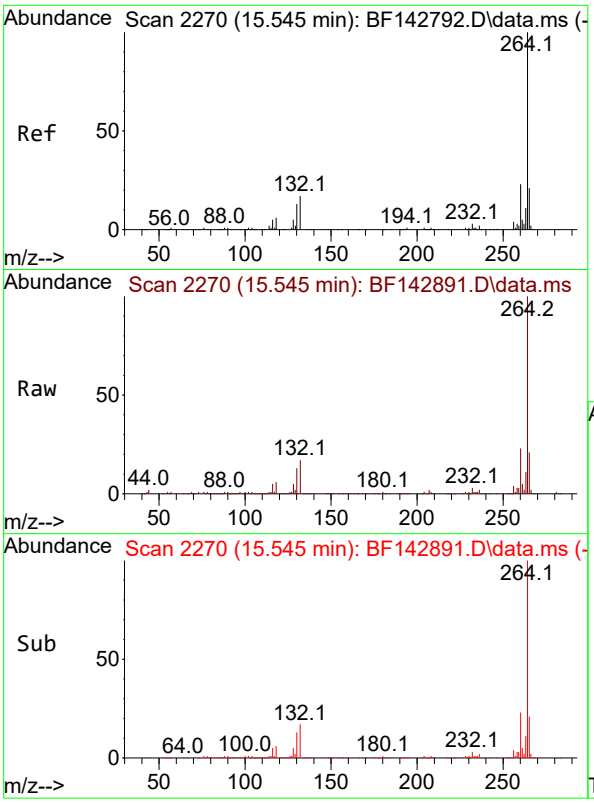


#79
Terphenyl-d14
Concen: 32.476 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:244 Resp: 379744

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	8.2	12.2



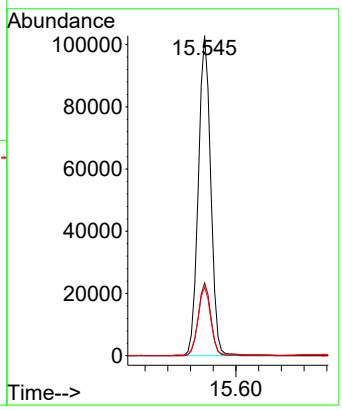


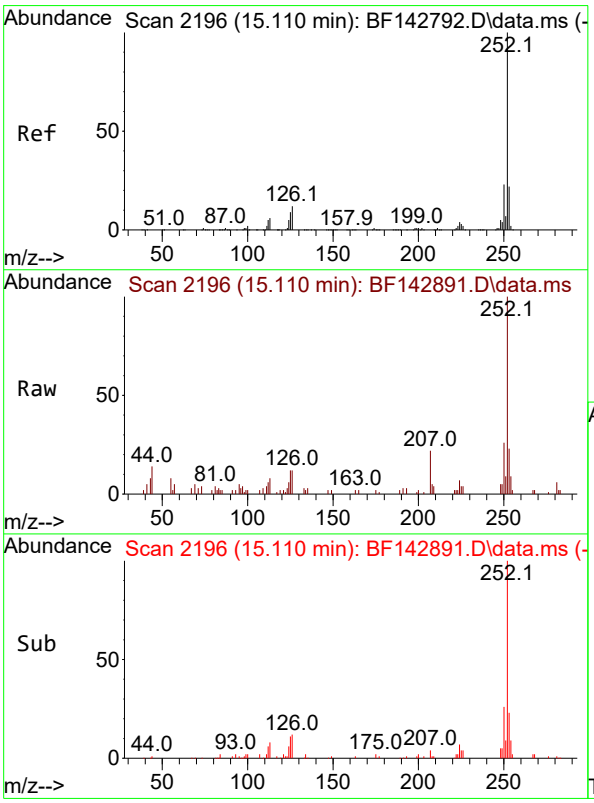
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Instrument :
BNA_F
ClientSampleId :
TP-74

Tgt Ion:264 Resp: 156020

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.1	27.1
265	21.5	16.6	25.0

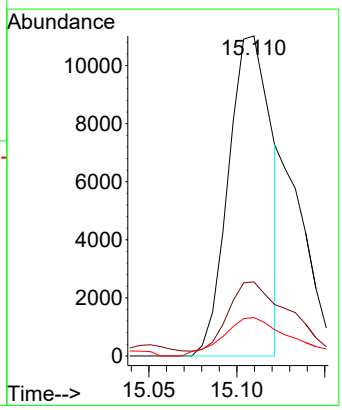




#88
Benzo(b)fluoranthene
Concen: 2.054 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142891.D
Acq: 27 Jun 2025 14:17

Tgt Ion:252 Resp: 18542

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.0	7.4	11.0#



Sample Results: **BF142891.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

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: BF142891.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	487	493	505	rVB	77318	115560	8.41%	1.202%
2	5.493	556	561	573	rBV	858638	1133941	82.50%	11.794%
3	6.504	727	733	749	rBV	859666	1120625	81.54%	11.655%
4	6.875	791	796	801	rBV	339713	410601	29.87%	4.270%
5	7.440	886	892	907	rBV	551782	730017	53.12%	7.593%
6	8.157	1009	1014	1034	rVB	414305	526720	38.32%	5.478%
7	9.234	1192	1197	1202	rBV	1118127	1374398	100.00%	14.295%
8	9.916	1308	1313	1318	rBV	449325	548468	39.91%	5.704%
9	10.628	1429	1434	1442	rVB	149560	184707	13.44%	1.921%
10	10.704	1442	1447	1458	rBV	542318	704742	51.28%	7.330%
11	11.404	1561	1566	1574	rBV	370175	479004	34.85%	4.982%
12	11.928	1649	1655	1667	rBV3	37669	71208	5.18%	0.741%
13	12.622	1765	1773	1779	rBV	37643	47743	3.47%	0.497%
14	12.851	1806	1812	1816	rBV	36242	50228	3.65%	0.522%
15	12.992	1831	1836	1841	rBV	794946	982578	71.49%	10.219%
16	13.886	1983	1988	1997	rVB2	34095	61202	4.45%	0.637%
17	14.051	2007	2016	2026	rBV	353345	501402	36.48%	5.215%
18	14.521	2091	2096	2101	rBV5	14051	30101	2.19%	0.313%
19	15.110	2191	2196	2204	rBV	27980	62707	4.56%	0.652%
20	15.416	2244	2248	2253	rVB	16469	25073	1.82%	0.261%
21	15.480	2254	2259	2264	rBV	20244	32048	2.33%	0.333%
22	15.545	2264	2270	2284	rVB	271426	421750	30.69%	4.386%

Sum of corrected areas: 9614823

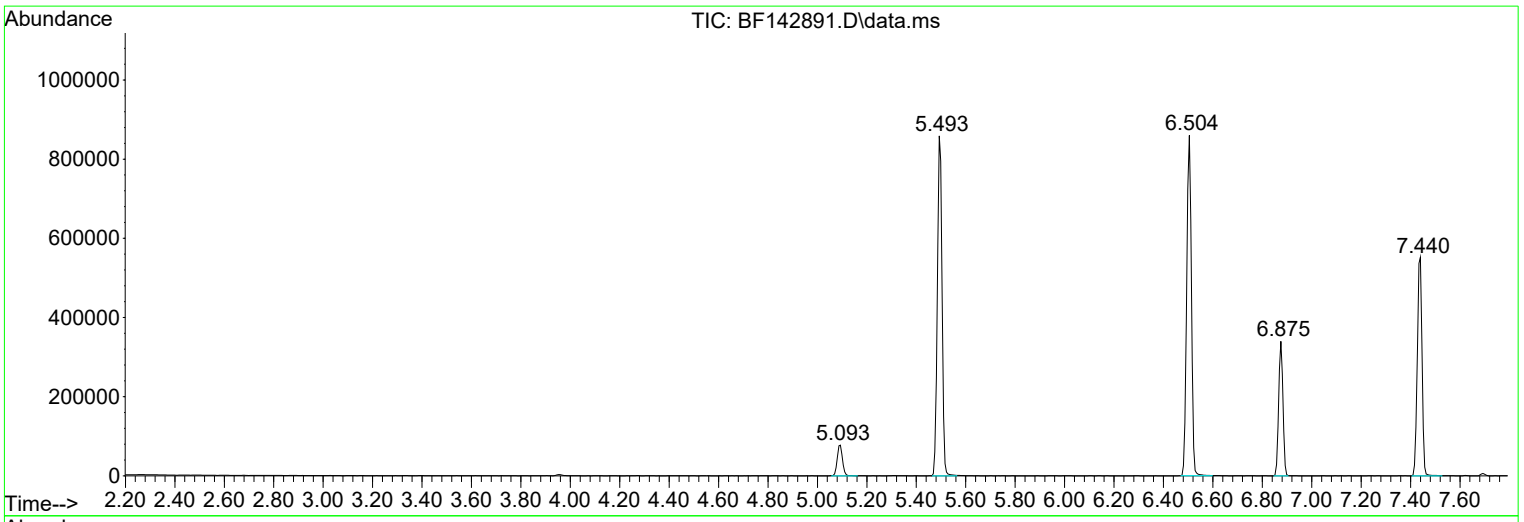
Sample Results: **BF142891.D**

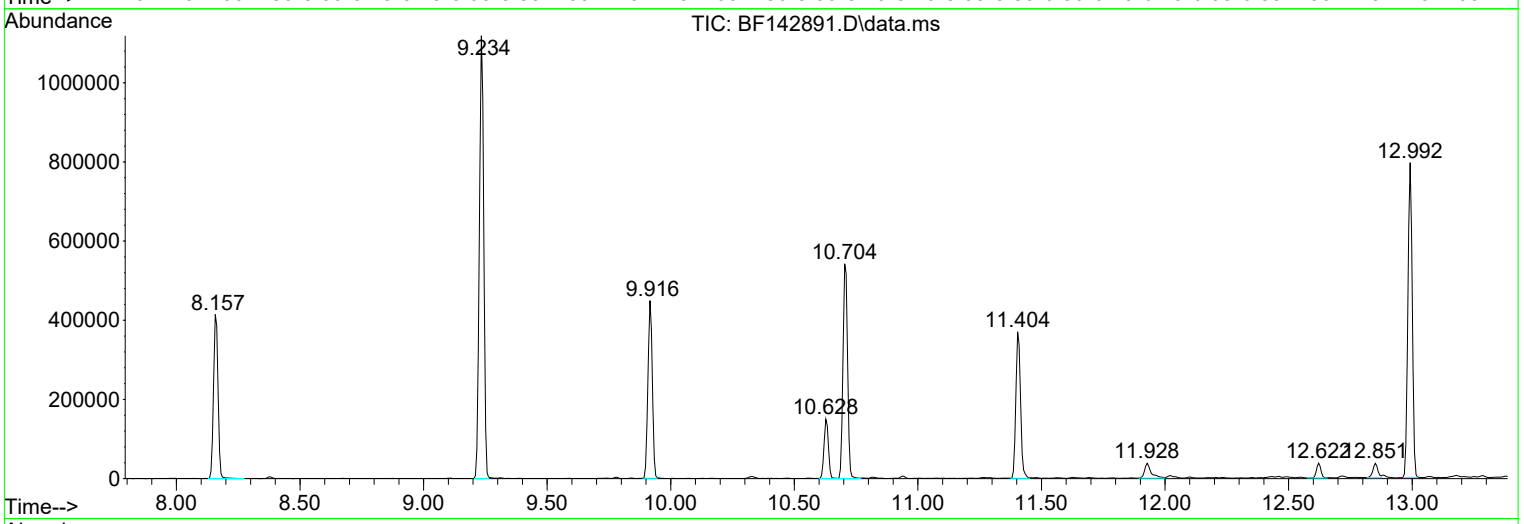
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

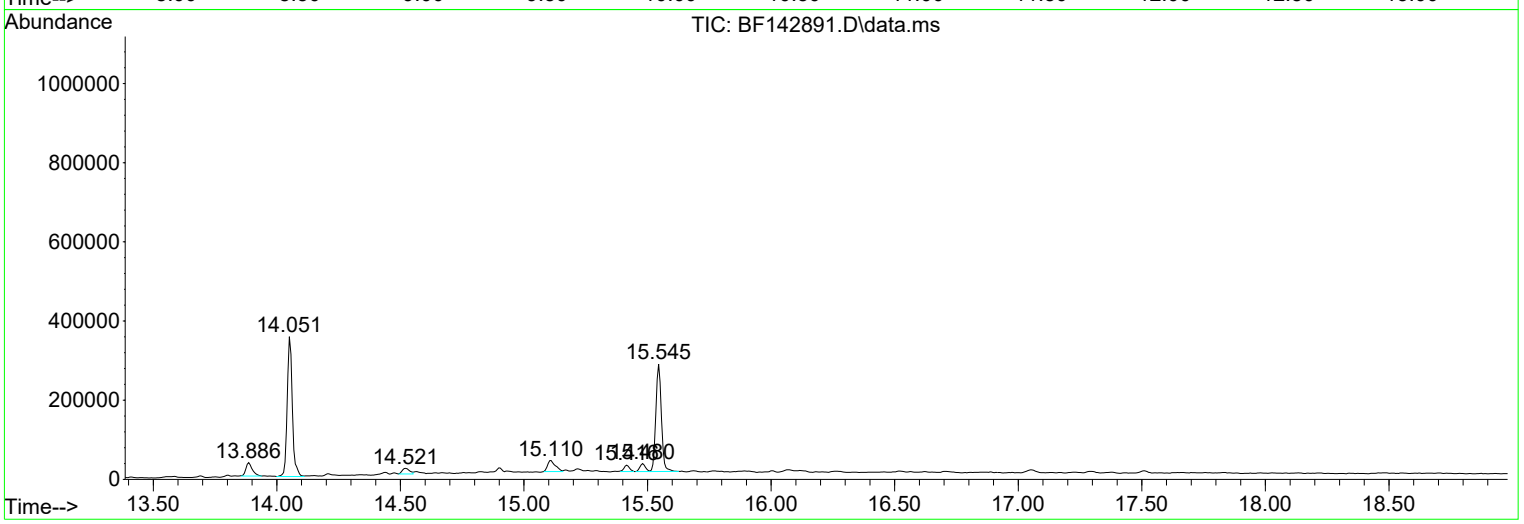
Instrument :
BNA_F
ClientSampleId :
TP-74

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\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

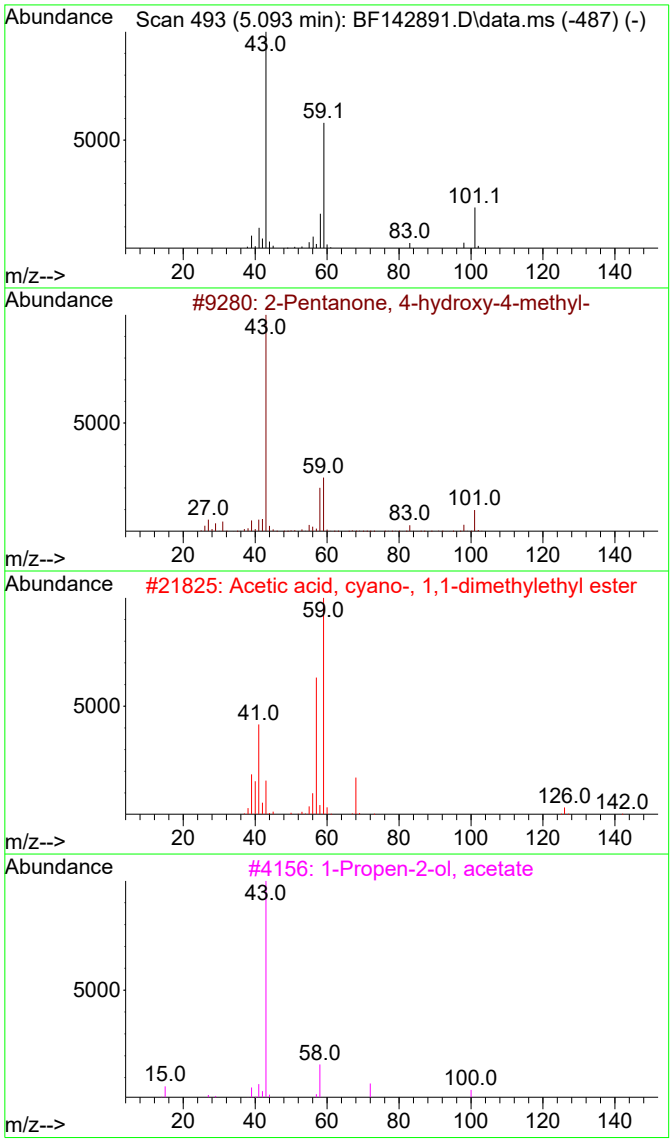
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

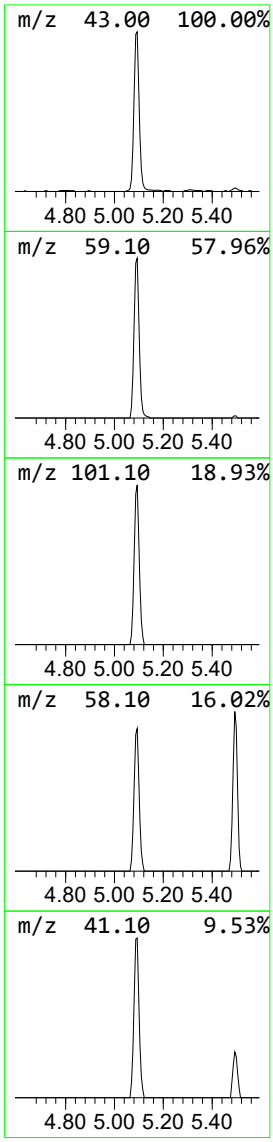
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	5.63 ng	115560	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	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Sample Results: **BF142891.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

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

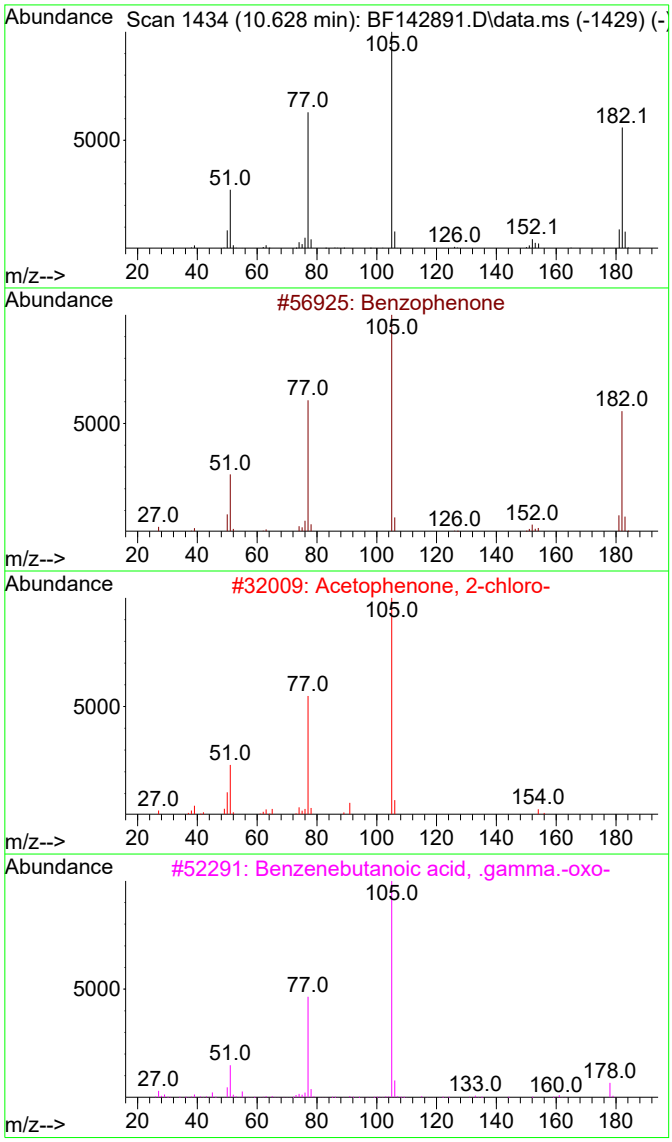
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

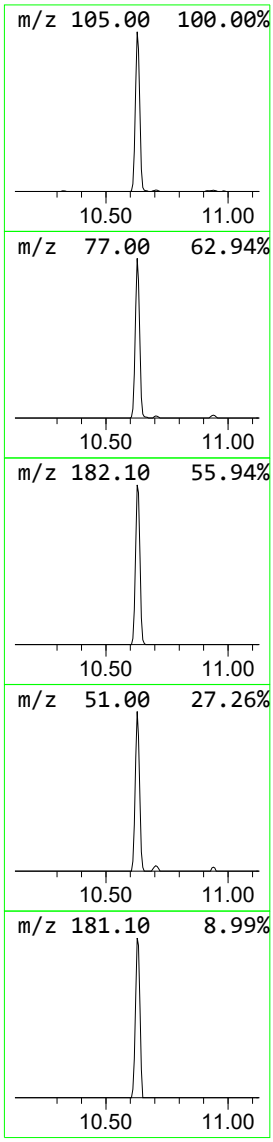
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	6.74 ng	184707	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

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

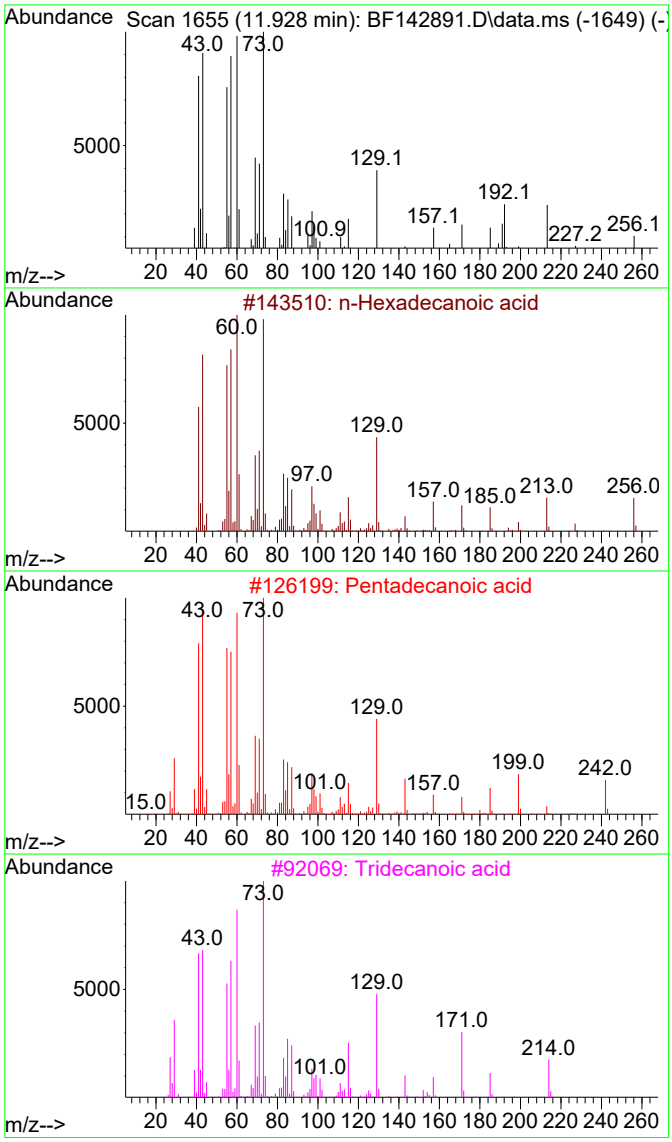
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

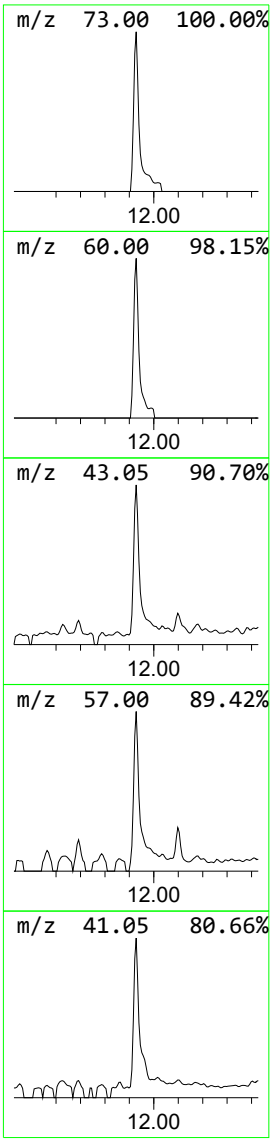
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	2.97 ng	71208	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	53
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

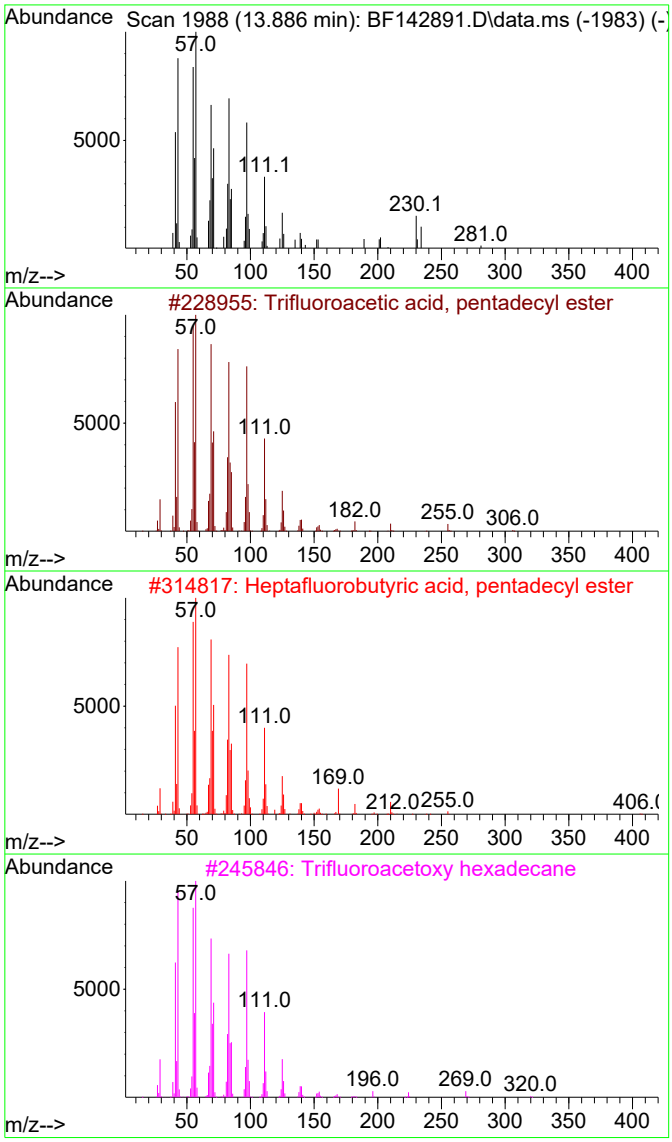
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

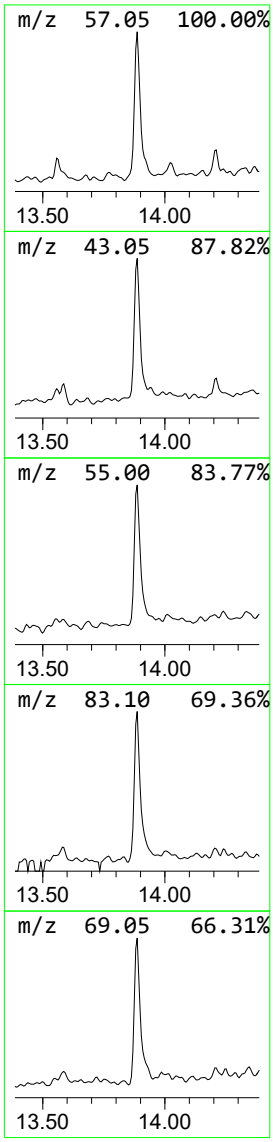
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Trifluoroacetic acid, penta... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	2.44 ng	61202	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	93
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	93





Sample Results: **BF142891.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142891.D
Acq On : 27 Jun 2025 14:17
Operator : RC/JU
Sample : Q2413-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-74

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-...	5.093	5.6	ng	115560	1	6.875	410601	20.0
Benzophenone	10.628	6.7	ng	184707	3	9.916	548468	20.0
n-Hexadecanoic ...	11.928	3.0	ng	71208	4	11.404	479004	20.0
Trifluoroacetic...	13.886	2.4	ng	61202	5	14.051	501402	20.0

Raw Data: **BF142886.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.1
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
BF142886.D	1	06/26/25 09:20	06/27/25 11:52	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	430	ug/Kg
108-95-2	Phenol	28.6	U	28.6	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	31.5	U	31.5	220	ug/Kg
95-57-8	2-Chlorophenol	31.6	U	31.6	220	ug/Kg
95-48-7	2-Methylphenol	38.7	U	38.7	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48.6	U	48.6	220	ug/Kg
98-86-2	Acetophenone	38.2	U	38.2	220	ug/Kg
65794-96-9	3+4-Methylphenols	53.3	U	53.3	430	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	61.4	U	61.4	100	ug/Kg
67-72-1	Hexachloroethane	22.8	U	22.8	220	ug/Kg
98-95-3	Nitrobenzene	23.7	U	23.7	220	ug/Kg
78-59-1	Isophorone	42.5	U	42.5	220	ug/Kg
88-75-5	2-Nitrophenol	75.4	U	75.4	220	ug/Kg
105-67-9	2,4-Dimethylphenol	84.0	U	84.0	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	39.9	U	39.9	220	ug/Kg
120-83-2	2,4-Dichlorophenol	36.7	U	36.7	220	ug/Kg
91-20-3	Naphthalene	29.4	U	29.4	220	ug/Kg
106-47-8	4-Chloroaniline	45.9	U	45.9	220	ug/Kg
87-68-3	Hexachlorobutadiene	32.8	U	32.8	220	ug/Kg
105-60-2	Caprolactam	67.5	U	67.5	430	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37.2	U	37.2	220	ug/Kg
91-57-6	2-Methylnaphthalene	33.2	U	33.2	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	430	ug/Kg
88-06-2	2,4,6-Trichlorophenol	25.7	U	25.7	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37.7	U	37.7	220	ug/Kg
92-52-4	1,1-Biphenyl	28.2	U	28.2	220	ug/Kg
91-58-7	2-Chloronaphthalene	29.2	U	29.2	220	ug/Kg
88-74-4	2-Nitroaniline	62.3	U	62.3	220	ug/Kg
131-11-3	Dimethylphthalate	35.1	U	35.1	220	ug/Kg

Raw Data: **BF142886.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.1
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
BF142886.D	1	06/26/25 09:20	06/27/25 11:52	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	37.4	U	37.4	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	43.5	U	43.5	220	ug/Kg
99-09-2	3-Nitroaniline	59.6	U	59.6	220	ug/Kg
83-32-9	Acenaphthene	27.6	U	27.6	220	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	430	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	430	ug/Kg
132-64-9	Dibenzofuran	29.4	U	29.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	64.9	U	64.9	220	ug/Kg
84-66-2	Diethylphthalate	130	J	36.7	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	34.6	U	34.6	220	ug/Kg
86-73-7	Fluorene	32.8	U	32.8	220	ug/Kg
100-01-6	4-Nitroaniline	83.2	U	83.2	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	430	ug/Kg
86-30-6	n-Nitrosodiphenylamine	42.6	U	42.6	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36.0	U	36.0	220	ug/Kg
118-74-1	Hexachlorobenzene	32.8	U	32.8	220	ug/Kg
1912-24-9	Atrazine	44.1	U	44.1	220	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	430	ug/Kg
85-01-8	Phenanthrene	27.1	U	27.1	220	ug/Kg
120-12-7	Anthracene	43.1	U	43.1	220	ug/Kg
86-74-8	Carbazole	40.4	U	40.4	220	ug/Kg
84-74-2	Di-n-butylphthalate	62.1	U	62.1	220	ug/Kg
206-44-0	Fluoranthene	38.9	U	38.9	220	ug/Kg
129-00-0	Pyrene	46.6	U	46.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	92.5	U	92.5	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47.6	U	47.6	430	ug/Kg
56-55-3	Benzo(a)anthracene	29.8	U	29.8	220	ug/Kg
218-01-9	Chrysene	25.8	U	25.8	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.7	U	76.7	220	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	430	ug/Kg
205-99-2	Benzo(b)fluoranthene	24.6	U	24.6	220	ug/Kg

Raw Data: **BF142886.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.1
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
BF142886.D	1	06/26/25 09:20	06/27/25 11:52	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	29.0	U	29.0	220	ug/Kg
50-32-8	Benzo(a)pyrene	38.2	U	38.2	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37.7	U	37.7	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	35.5	U	35.5	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	33.3	U	33.3	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	33.2	U	33.2	220	ug/Kg
123-91-1	1,4-Dioxane	58.6	U	58.6	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	35.5	U	35.5	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	79.3		18 - 112	53%	SPK: 150
13127-88-3	Phenol-d6	81.1		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.3		18 - 107	50%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		20 - 109	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	76.8		10 - 116	51%	SPK: 150
1718-51-0	Terphenyl-d14	34.5		10 - 105	34%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	71500	6.875			
1146-65-2	Naphthalene-d8	270000	8.157			
15067-26-2	Acenaphthene-d10	132000	9.916			
1517-22-2	Phenanthrene-d10	195000	11.404			
1719-03-5	Chrysene-d12	151000	14.051			
1520-96-3	Perylene-d12	152000	15.545			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A		5.09	ug/Kg
000119-61-9	Benzophenone	350	J		10.6	ug/Kg
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	90.7	J		11.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	480	J		11.9	ug/Kg
000057-11-4	Octadecanoic acid	120	J		12.7	ug/Kg
079392-43-1	Octadecyl trifluoroacetate	440	J		13.9	ug/Kg
1000406-04-8	Pentadecafluorooctanoic acid, octa	540	J		14.5	ug/Kg

Raw Data: **BF142886.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.1
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
BF142886.D	1	06/26/25 09:20	06/27/25 11:52	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-02-4	Octacosane	160	J		15.2	ug/Kg
000295-48-7	Cyclopentadecane	120	J		15.2	ug/Kg
000638-66-4	Octadecanal	98.5	J		15.8	ug/Kg
007098-22-8	Tetratetracontane	180	J		16.0	ug/Kg
000557-61-9	Octacosanol	170	J		16.1	ug/Kg
067860-04-2	Oxirane, heptadecyl-	91.6	J		16.8	ug/Kg
000489-39-4	Aromandendrene	220	J		17.2	ug/Kg
	unknown17.645	110	J		17.6	ug/Kg
	unknown17.727	170	J		17.7	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	260	J		18.0	ug/Kg

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

Quant Time: Jun 27 12:24:11 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

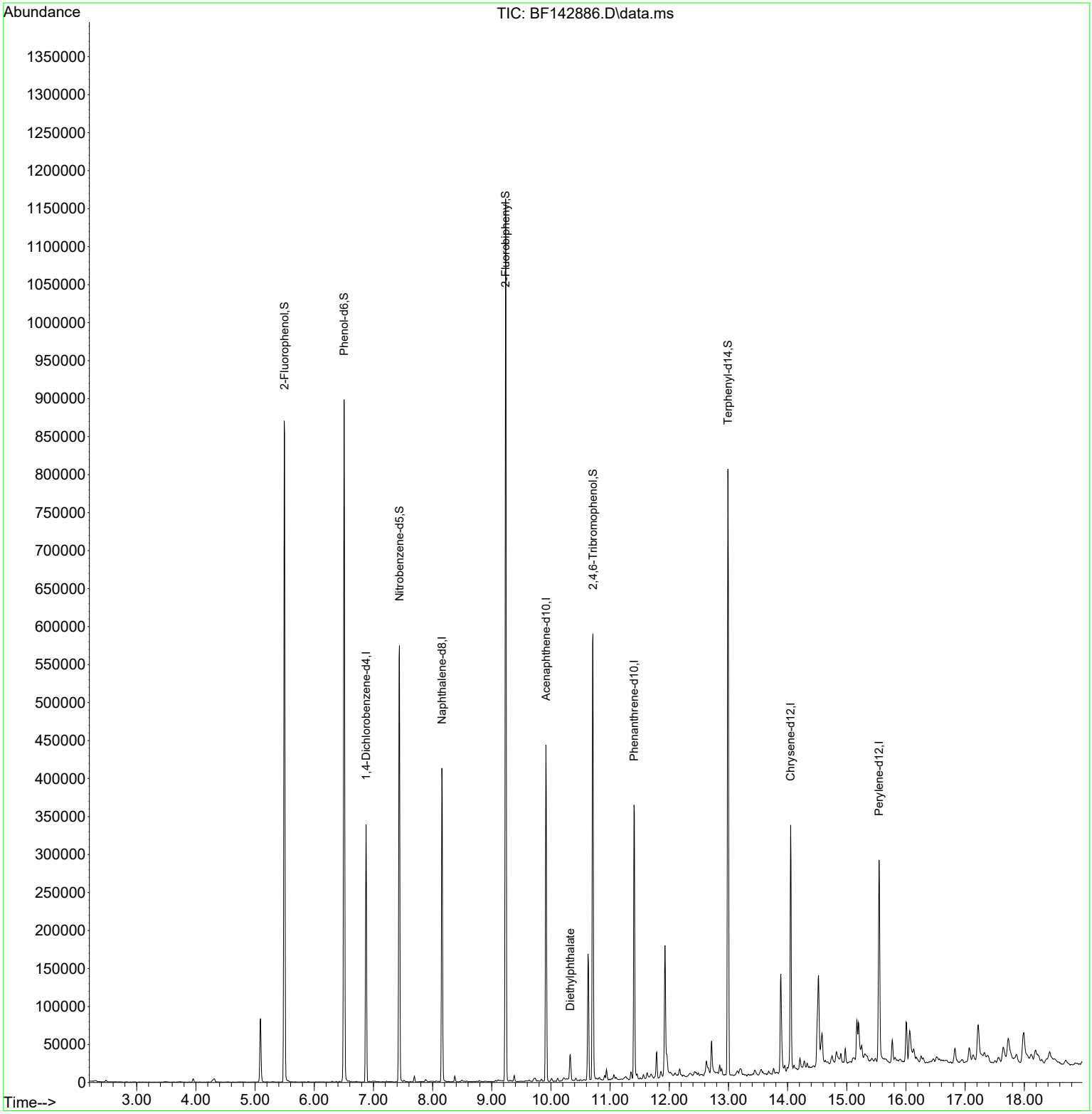
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71511	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	269771	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	131916	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	195199	20.000	ng	0.00
76) Chrysene-d12	14.051	240	151359	20.000	ng	0.00
86) Perylene-d12	15.545	264	151859	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	340790	79.343	ng	0.00
7) Phenol-d6	6.504	99	410766	81.060	ng	0.00
23) Nitrobenzene-d5	7.440	82	247380	50.298	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	104194	76.754	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	520514	51.835	ng	-0.01
79) Terphenyl-d14	12.992	244	377407	34.452	ng	0.00
Target Compounds						Qvalue
60) Diethylphthalate	10.328	149	24407	2.915	ng	98

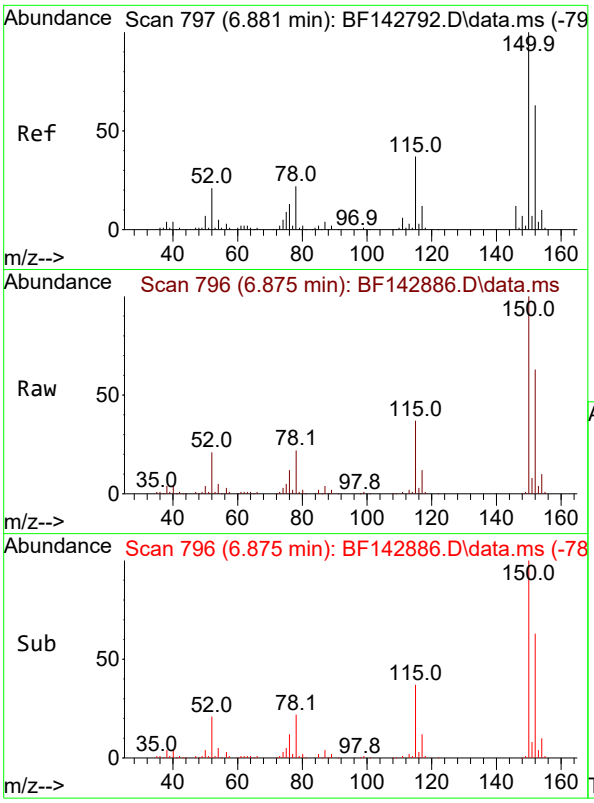
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

Quant Time: Jun 27 12:24:11 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



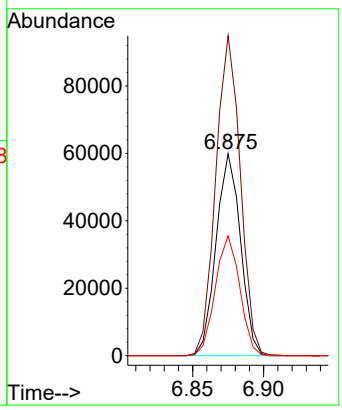


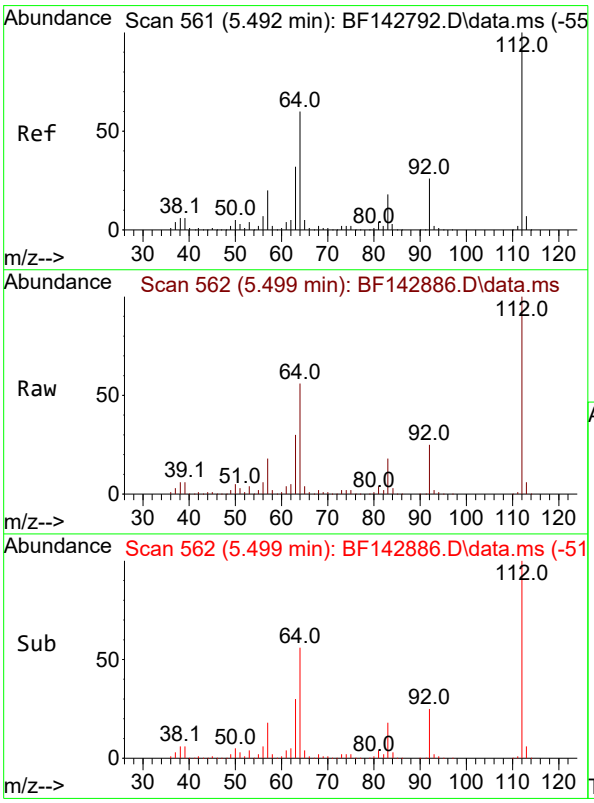
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion:152 Resp: 71511

Ion	Ratio	Lower	Upper
152	100		
150	158.4	127.2	190.8
115	59.3	46.6	69.8

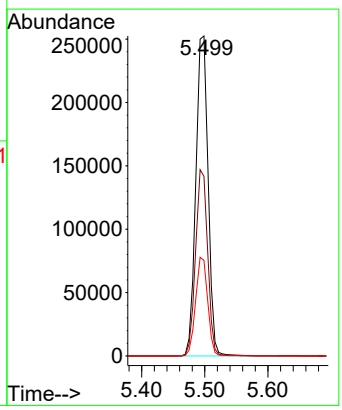


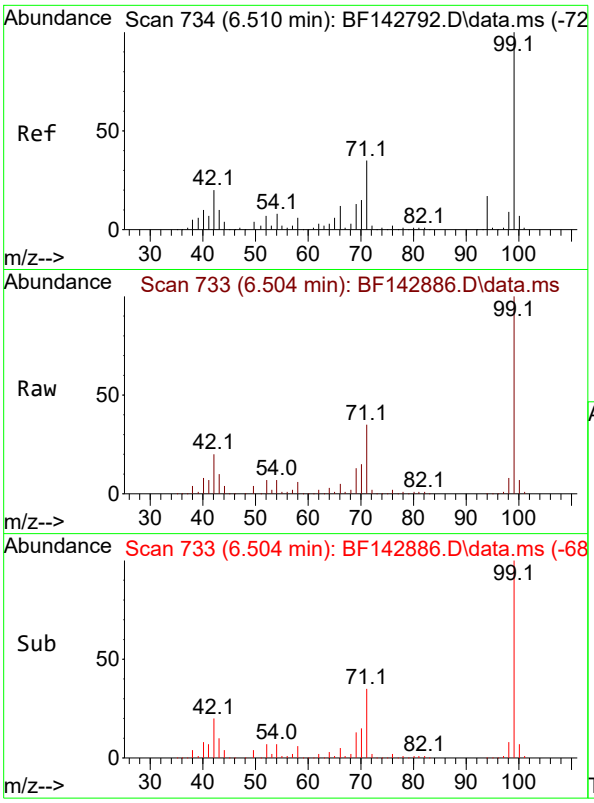


#5
2-Fluorophenol
Concen: 79.343 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.007 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:112 Resp: 340790

Ion	Ratio	Lower	Upper
112	100		
64	56.1	48.2	72.2
63	29.8	25.7	38.5



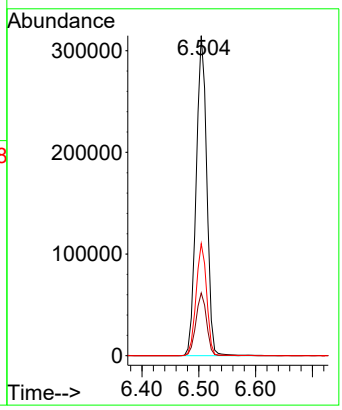


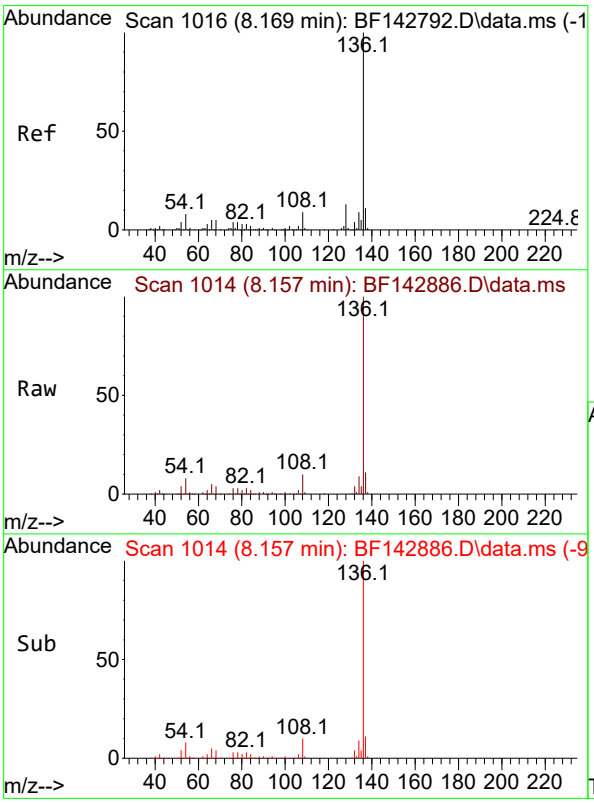
#7
Phenol-d6
Concen: 81.060 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion: 99 Resp: 410766

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.9	23.9
71	35.0	27.8	41.8

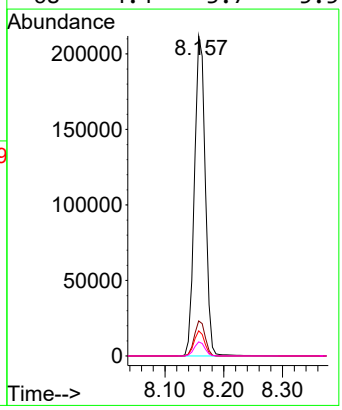


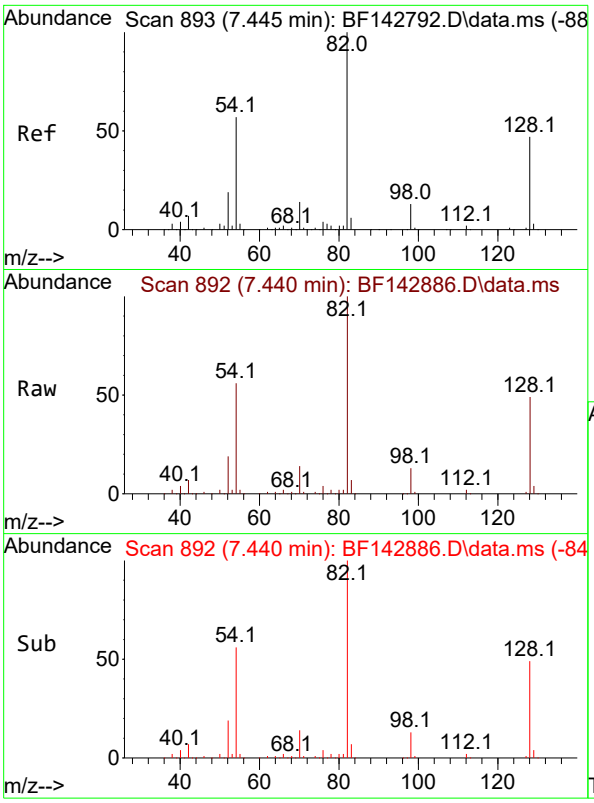


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:136 Resp: 269771

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.8	6.3	9.5
68	4.4	3.7	5.5



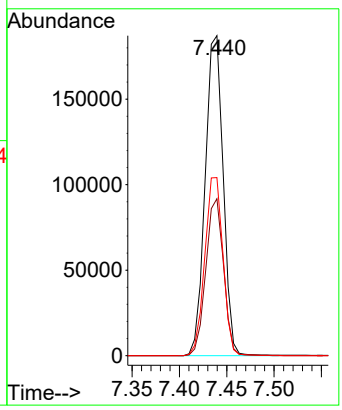


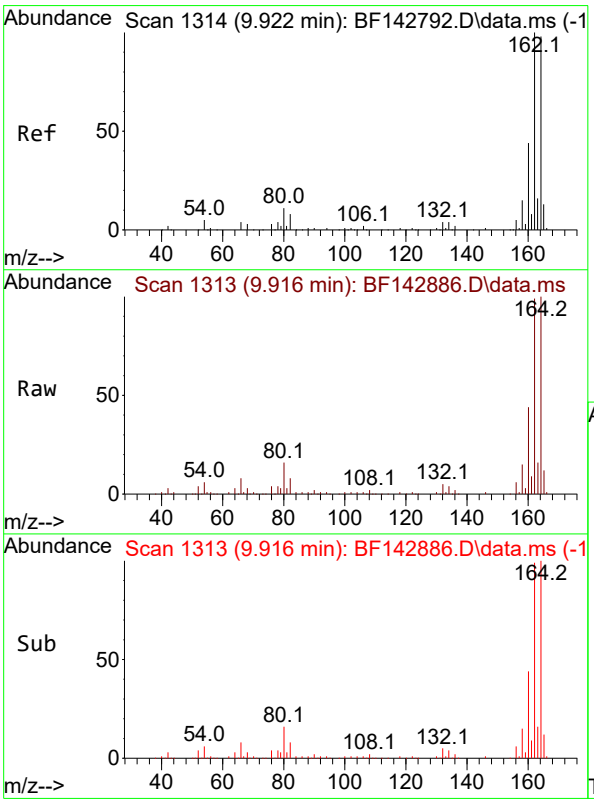
#23
Nitrobenzene-d5
Concen: 50.298 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion: 82 Resp: 247380

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.7	56.5
54	55.6	45.7	68.5

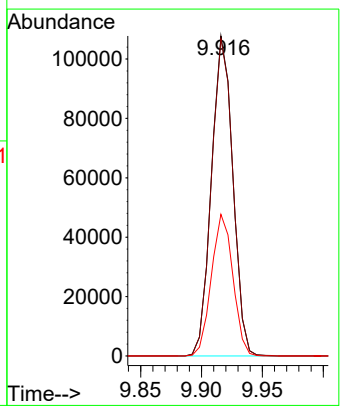


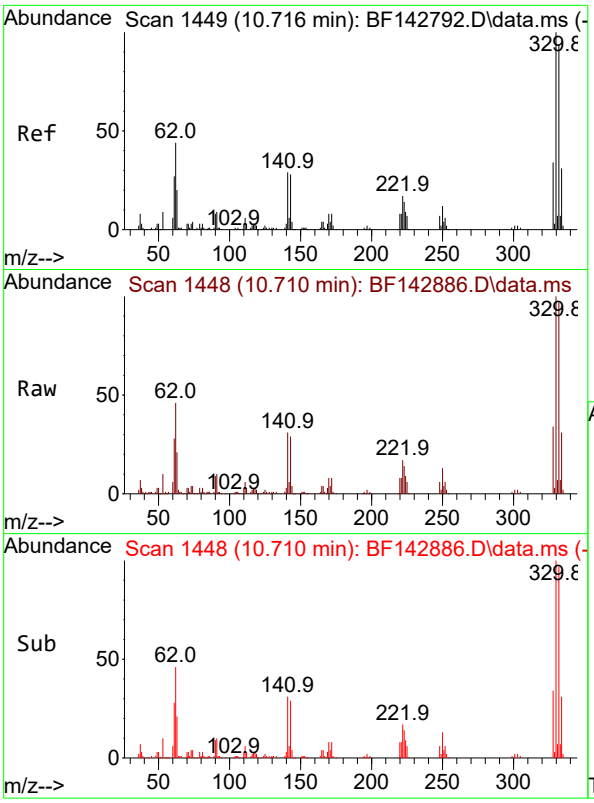


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:164 Resp: 131916

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.8	122.8
160	44.2	36.0	54.0



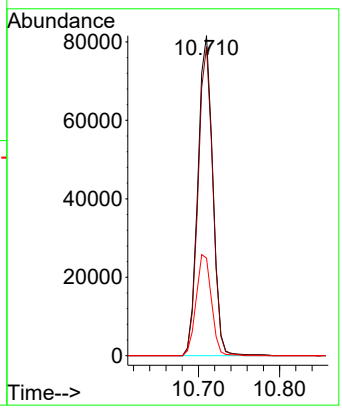


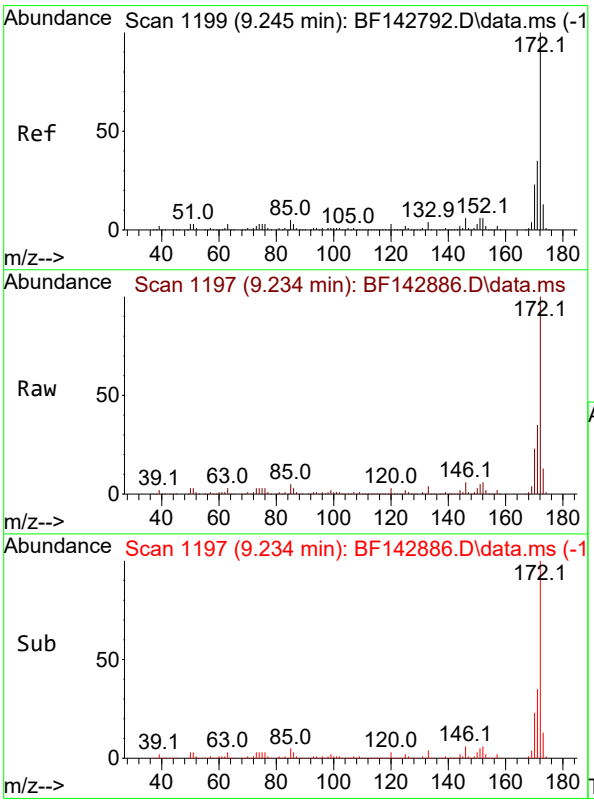
#42
2,4,6-Tribromophenol
Concen: 76.754 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion:330 Resp: 104194

Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.0	112.6
141	32.4	25.3	37.9

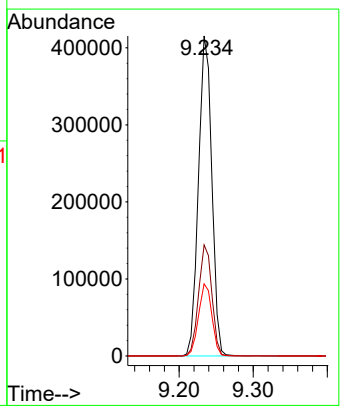


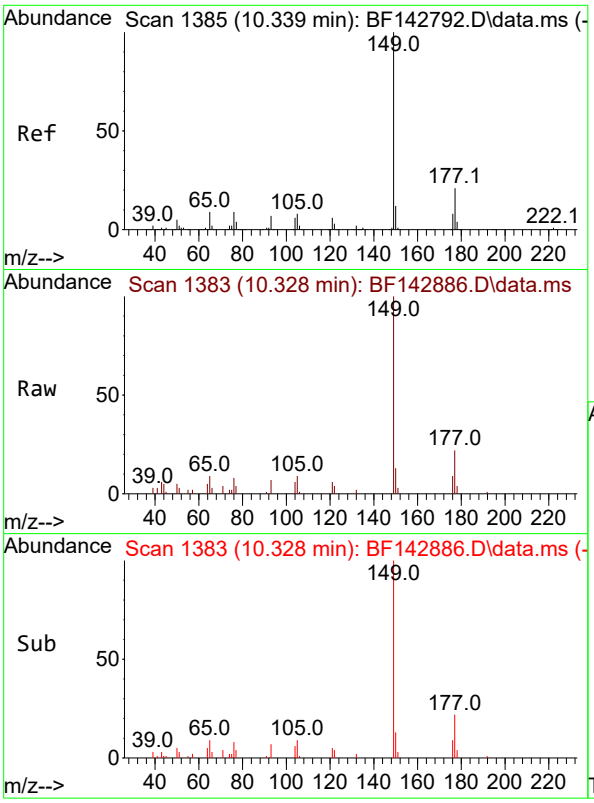


#45
2-Fluorobiphenyl
Concen: 51.835 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:172 Resp: 520514

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	22.6	18.5	27.7



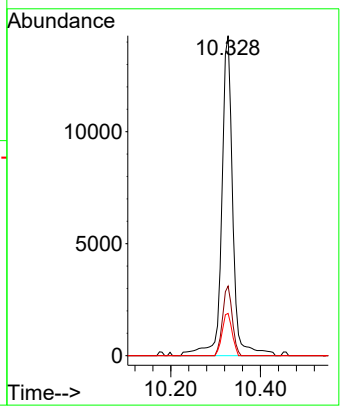


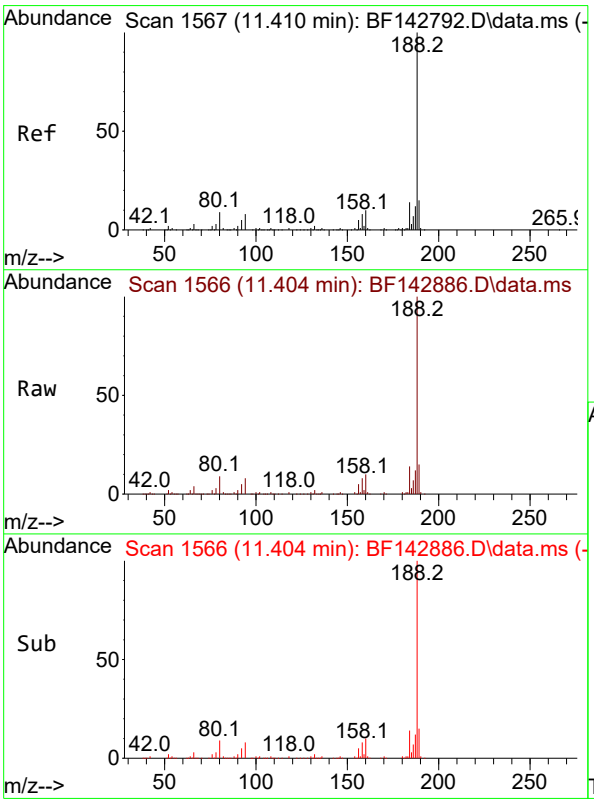
#60
Diethylphthalate
Concen: 2.915 ng
RT: 10.328 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion:149 Resp: 24407

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.0	25.6
150	13.2	9.8	14.6

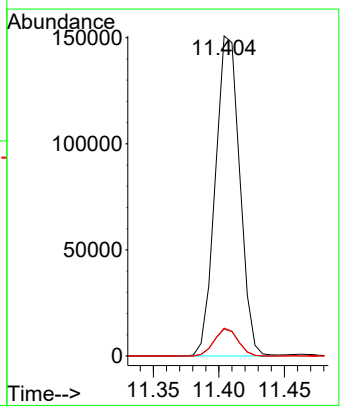


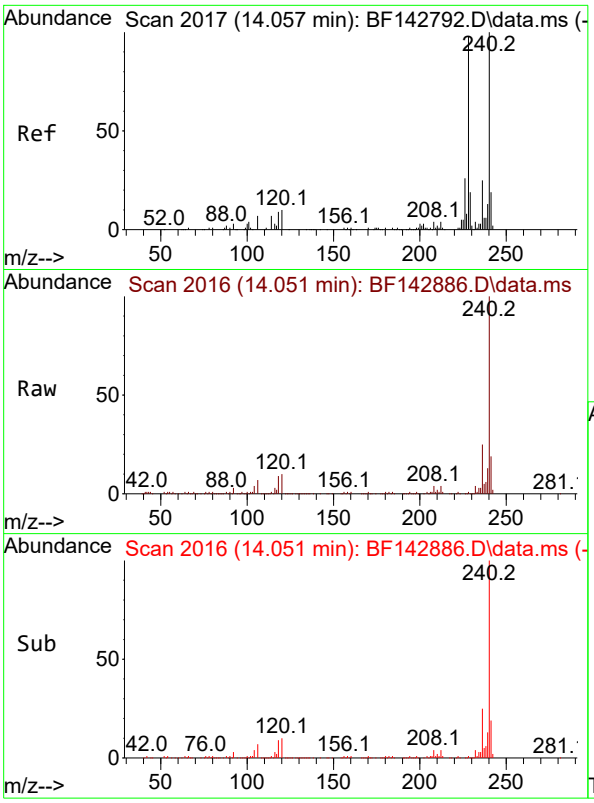


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:188 Resp: 195199

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.7	6.9	10.3



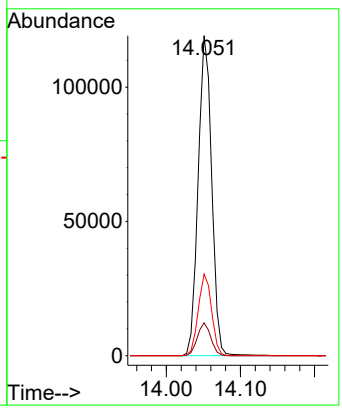


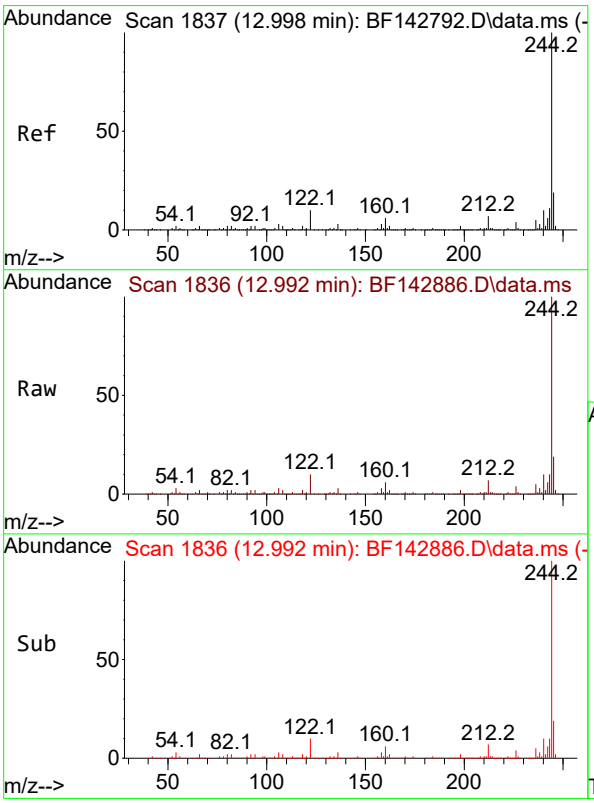
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion:240 Resp: 151359

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	25.5	19.8	29.8

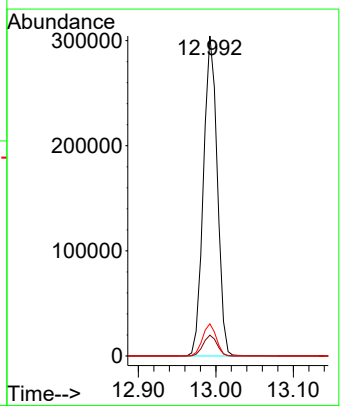


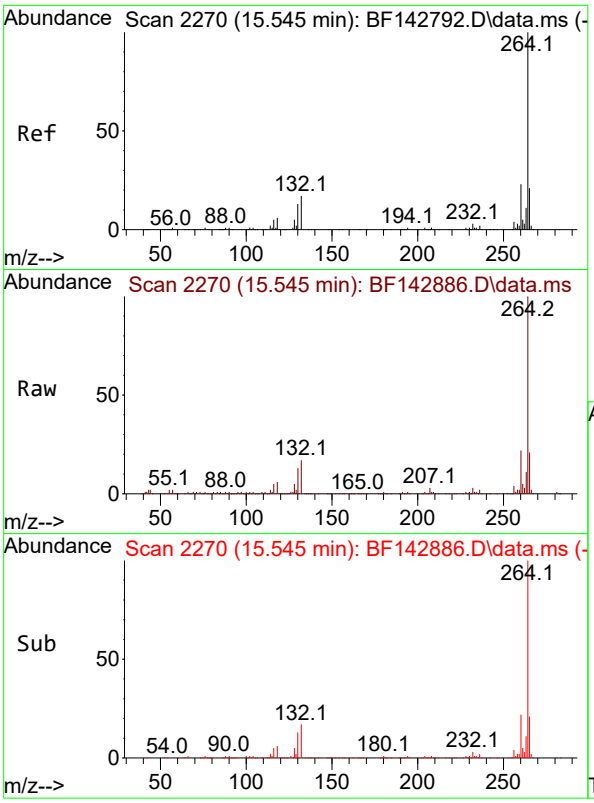


#79
Terphenyl-d14
Concen: 34.452 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Tgt Ion:244 Resp: 377407

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.0	8.2	12.2



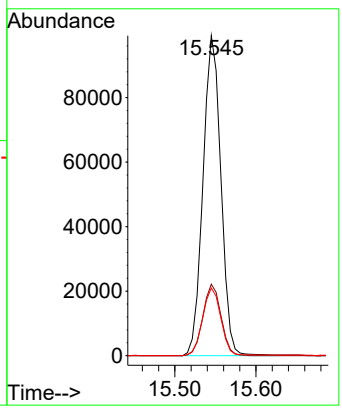


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142886.D
Acq: 27 Jun 2025 11:52

Instrument :
BNA_F
ClientSampleId :
TP-73

Tgt Ion:264 Resp: 151859

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.1	27.1
265	21.2	16.6	25.0



Sample Results: **BF142886.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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: BF142886.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.093	482	493	501	rBV	83648	124380	8.64%	1.094%
2	5.493	556	561	570	rBV	870150	1163925	80.88%	10.237%
3	6.504	723	733	744	rBV	898025	1180889	82.06%	10.386%
4	6.875	791	796	801	rBV	338816	404586	28.11%	3.558%
5	7.440	886	892	902	rBV	573956	759075	52.75%	6.676%
6	8.157	1009	1014	1023	rBV	412546	521989	36.27%	4.591%
7	9.234	1192	1197	1202	rBV	1160844	1439096	100.00%	12.657%
8	9.916	1308	1313	1318	rBV	442399	542815	37.72%	4.774%
9	10.328	1377	1383	1389	rVB	33338	53120	3.69%	0.467%
10	10.628	1428	1434	1440	rBV	165977	218386	15.18%	1.921%
11	10.710	1442	1448	1456	rBV	586710	780404	54.23%	6.864%
12	10.939	1484	1487	1492	rVB	14021	18224	1.27%	0.160%
13	11.351	1553	1557	1562	rBV5	10033	15290	1.06%	0.134%
14	11.404	1562	1566	1573	rBV	359481	472565	32.84%	4.156%
15	11.786	1623	1631	1636	rBB2	34003	49538	3.44%	0.436%
16	11.928	1649	1655	1660	rBV	171526	264495	18.38%	2.326%
17	12.627	1766	1774	1778	rBV2	18985	42421	2.95%	0.373%
18	12.716	1784	1789	1801	rVB	41776	67173	4.67%	0.591%
19	12.851	1808	1812	1815	rBV	11254	16341	1.14%	0.144%
20	12.992	1831	1836	1841	rVB	796488	981368	68.19%	8.631%
21	13.204	1867	1872	1878	rVB7	7821	19288	1.34%	0.170%
22	13.557	1924	1932	1935	rBV6	7221	17358	1.21%	0.153%
23	13.886	1983	1988	1996	rBV	128995	209711	14.57%	1.844%
24	14.051	2009	2016	2023	rVB	319910	415632	28.88%	3.655%
25	14.210	2039	2043	2048	rBV	14089	22171	1.54%	0.195%
26	14.280	2051	2055	2060	rVB	8346	14621	1.02%	0.129%
27	14.521	2088	2096	2101	rBV2	117920	258844	17.99%	2.277%
28	14.827	2144	2148	2156	rBV2	11839	25777	1.79%	0.227%
29	14.974	2169	2173	2180	rVB2	19216	27395	1.90%	0.241%
30	15.168	2202	2206	2209	rBV	51428	81243	5.65%	0.715%
31	15.198	2209	2211	2217	rVB2	38039	57841	4.02%	0.509%
32	15.545	2264	2270	2282	rBV	265102	430078	29.89%	3.783%
33	15.768	2303	2308	2313	rBV2	28999	49104	3.41%	0.432%
34	16.004	2343	2348	2353	rBV	51454	89203	6.20%	0.785%
35	16.063	2353	2358	2366	rBV	36475	84778	5.89%	0.746%
36	16.827	2482	2488	2498	rBV2	19240	45492	3.16%	0.400%

Sample Results: **BF142886.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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	17.068	2525	2529	2535	rBB7	15397	27956	1.94%	0.246%
38	17.221	2549	2555	2569	rBV6	42610	108654	7.55%	0.956%
39	17.645	2621	2627	2635	rBV9	18338	54348	3.78%	0.478%
40	17.727	2636	2641	2654	rVB9	27091	84108	5.84%	0.740%
41	17.992	2678	2686	2700	rBV6	37972	130402	9.06%	1.147%

Sum of corrected areas: 11370084

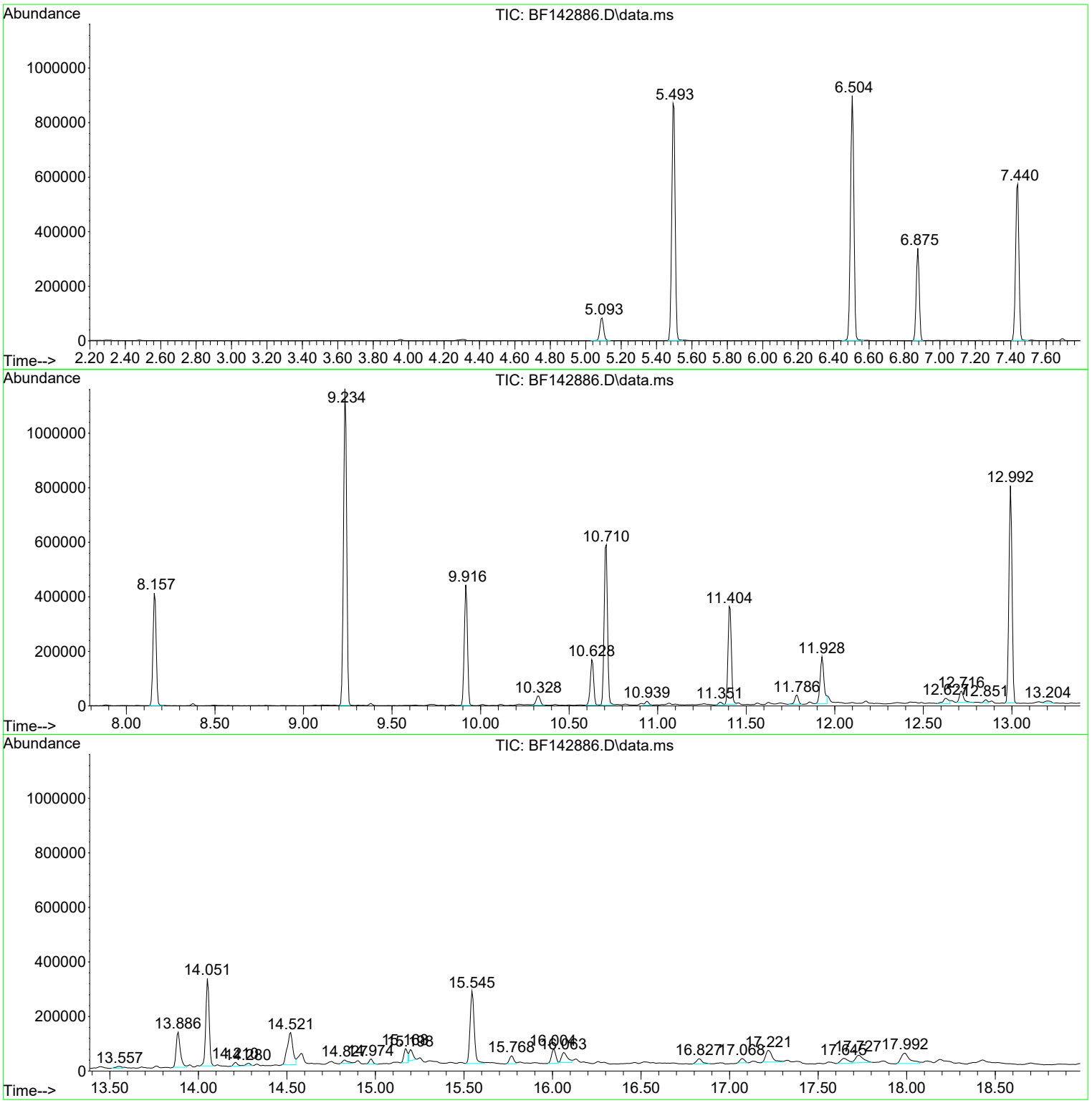
Sample Results: **BF142886.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

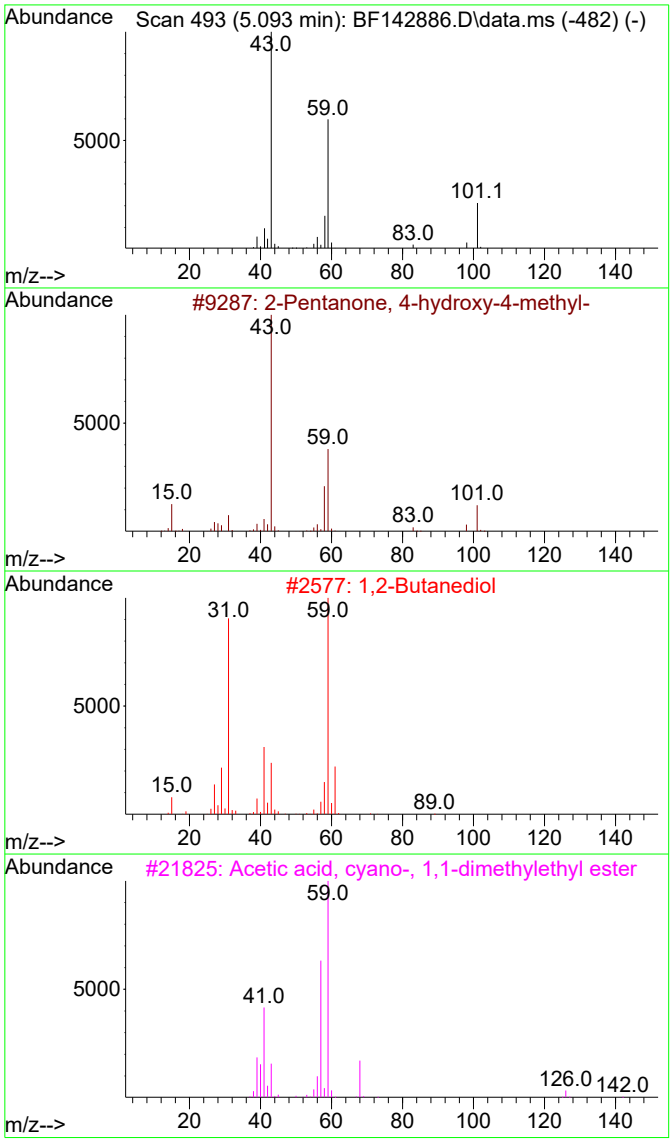
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

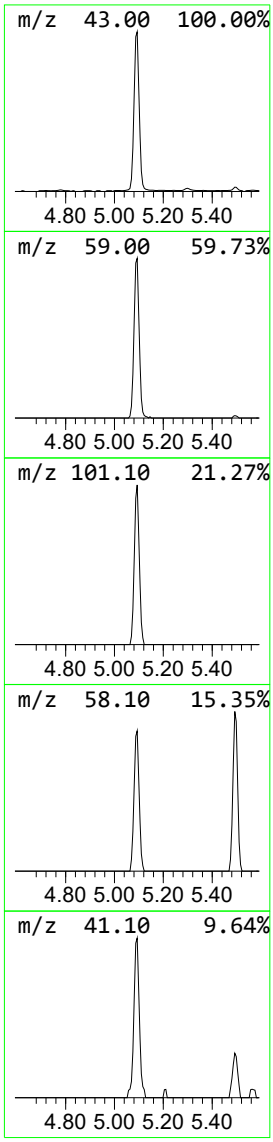
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	6.15 ng	124380	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	40
2	1,2-Butanediol	90	C4H10O2	000584-03-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

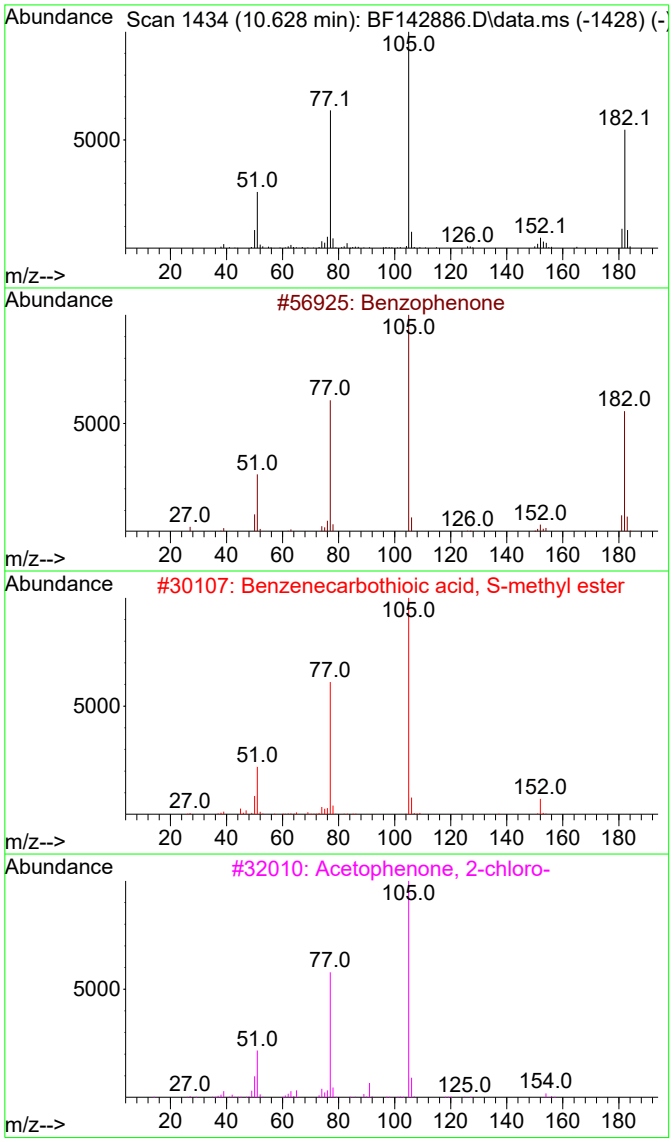
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

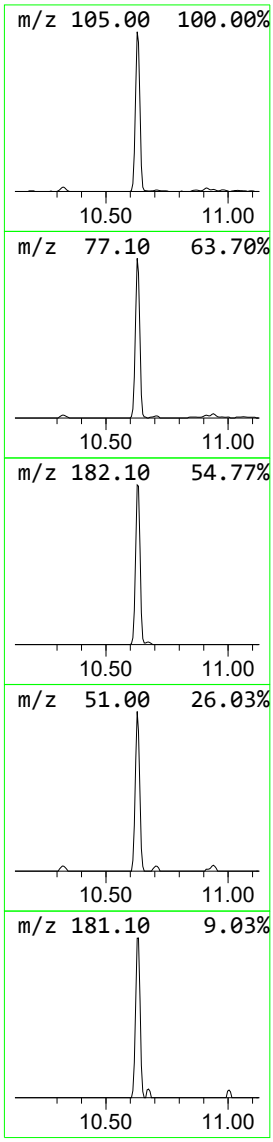
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.05 ng	218386	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	53
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	53
4	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	49
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

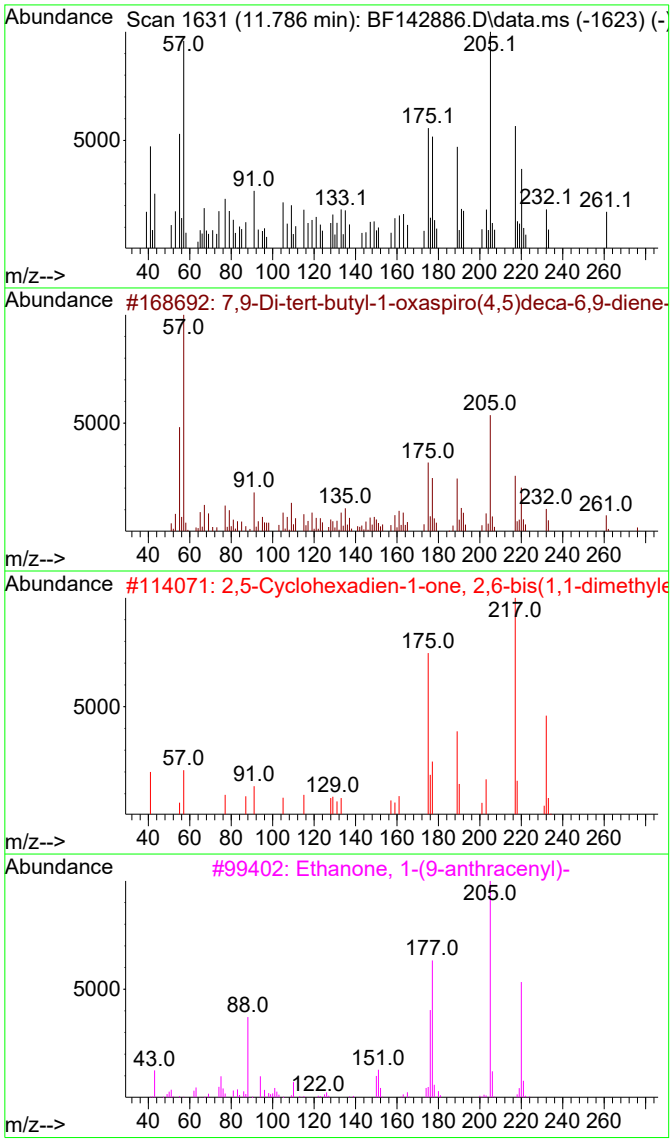
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

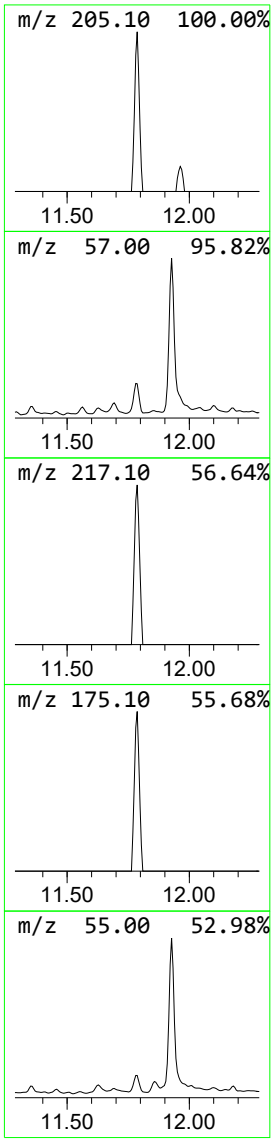
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	2.10 ng	49538	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	91
2	2,5-Cyclohexadien-1-one, 2,6-bis...	232	C16H24O	006738-27-8	81
3	Ethanone, 1-(9-anthracenyl)-	220	C16H12O	000784-04-3	45
4	1-(3-Amino-4,6-dimethylthieno[2,...	220	C11H12N2OS	052505-42-7	45
5	2H-2a,7-Methanoazuleno[5,6-b]oxi...	220	C15H24O	029597-36-2	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

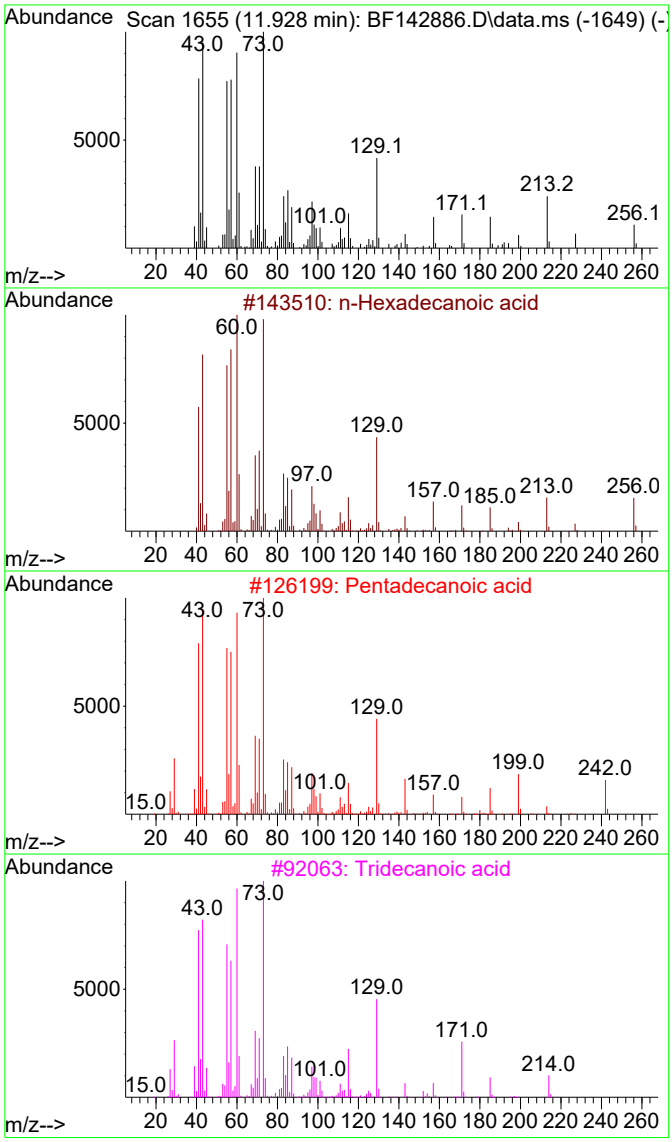
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

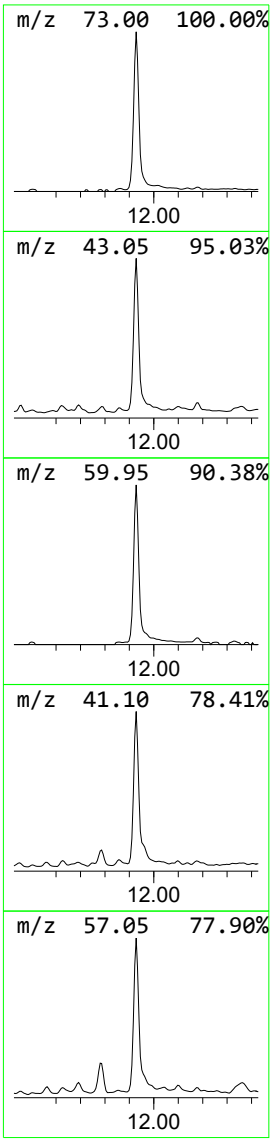
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	11.19 ng	264495	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

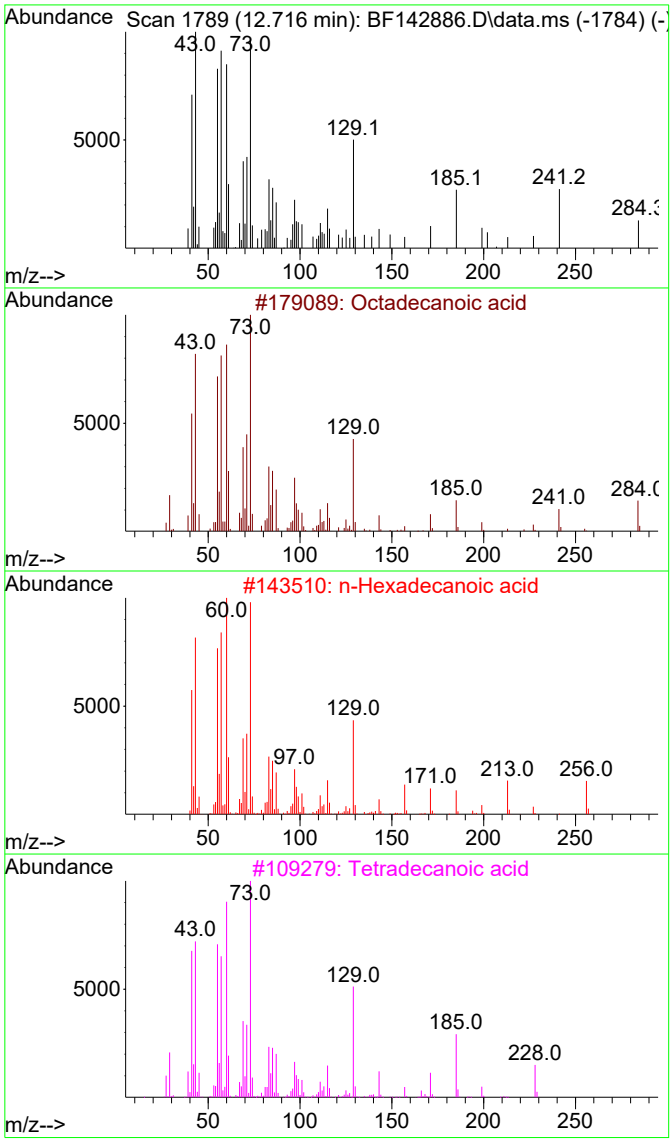
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

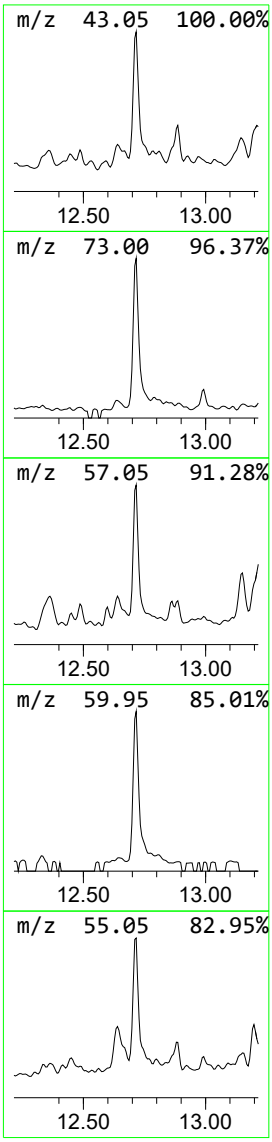
****

Peak Number 5 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.716	2.84 ng	67173	Phenanthrene-d10	11.404

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
5	n-Decanoic acid	172	C10H20O2	000334-48-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

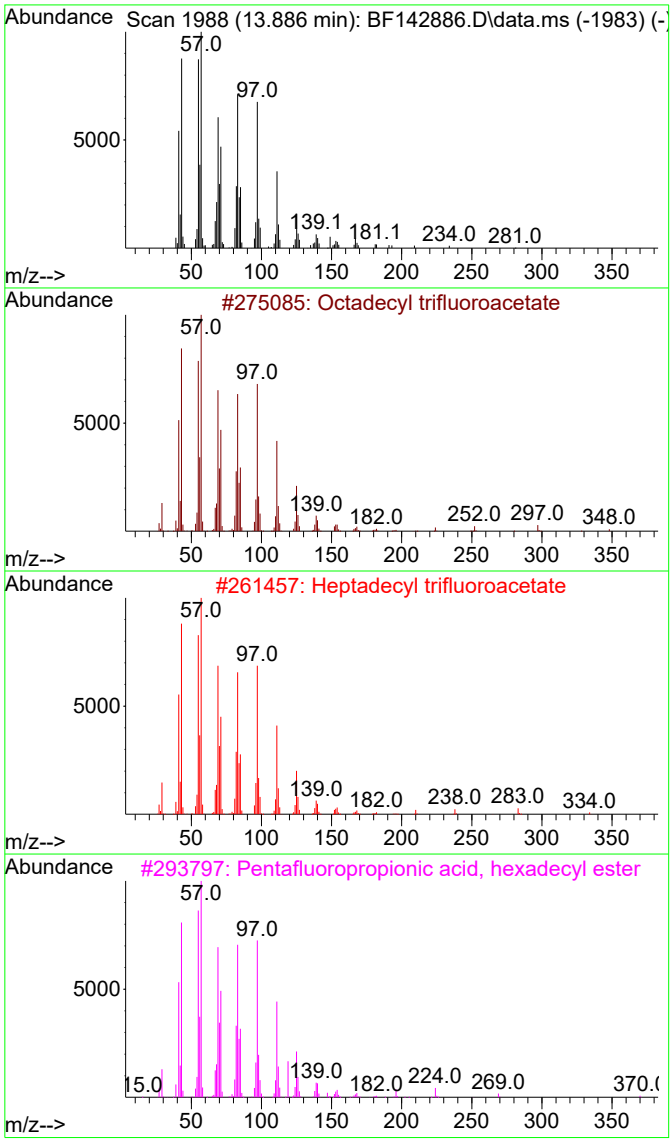
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

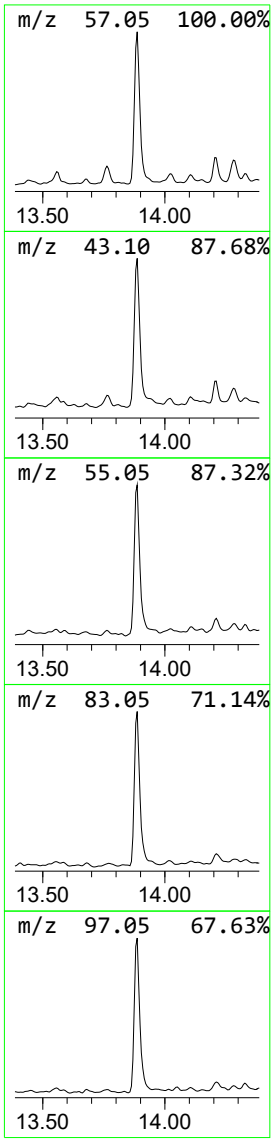
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octadecyl trifluoroacetate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	10.09 ng	209711	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	95
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	95
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	95
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

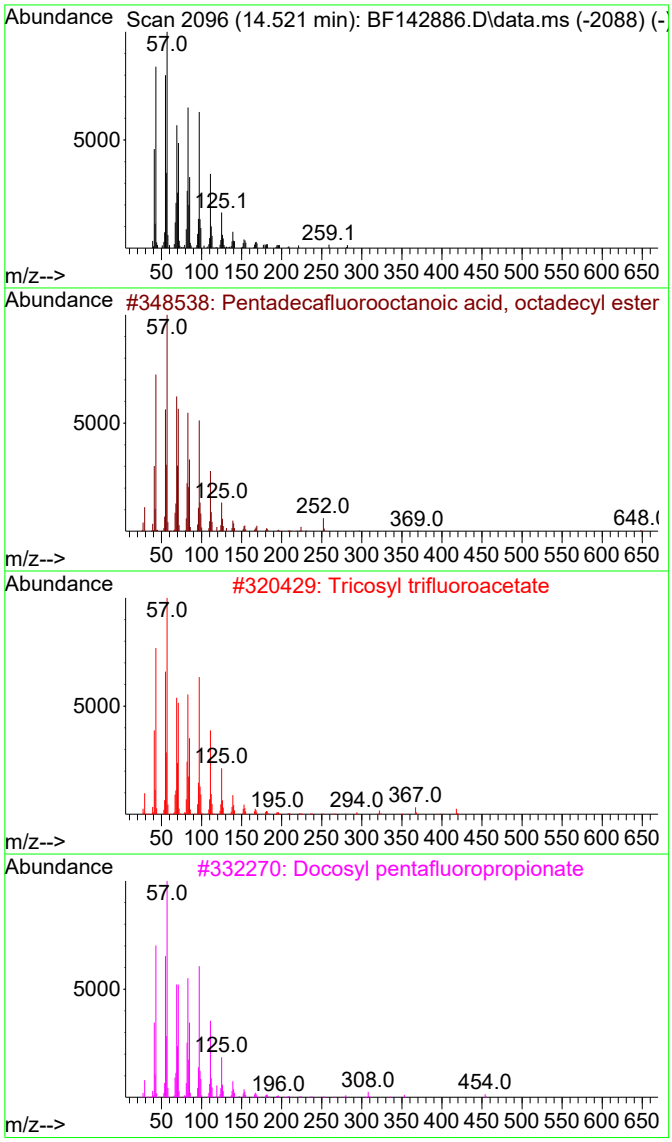
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

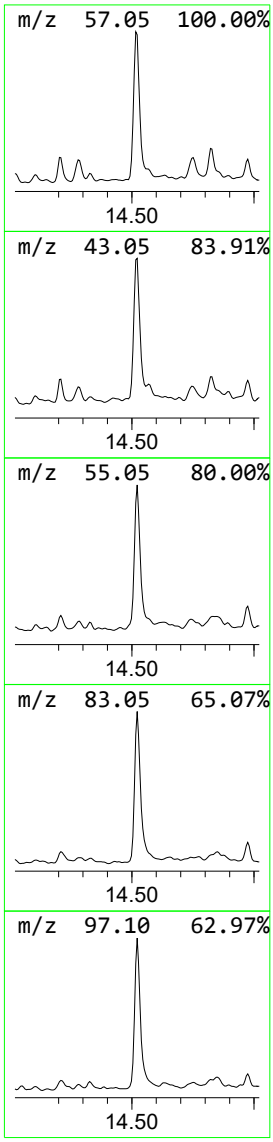
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentadecafluorooctanoic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.522	12.46 ng	258844	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	95
2	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	94
3	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	94
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	94
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

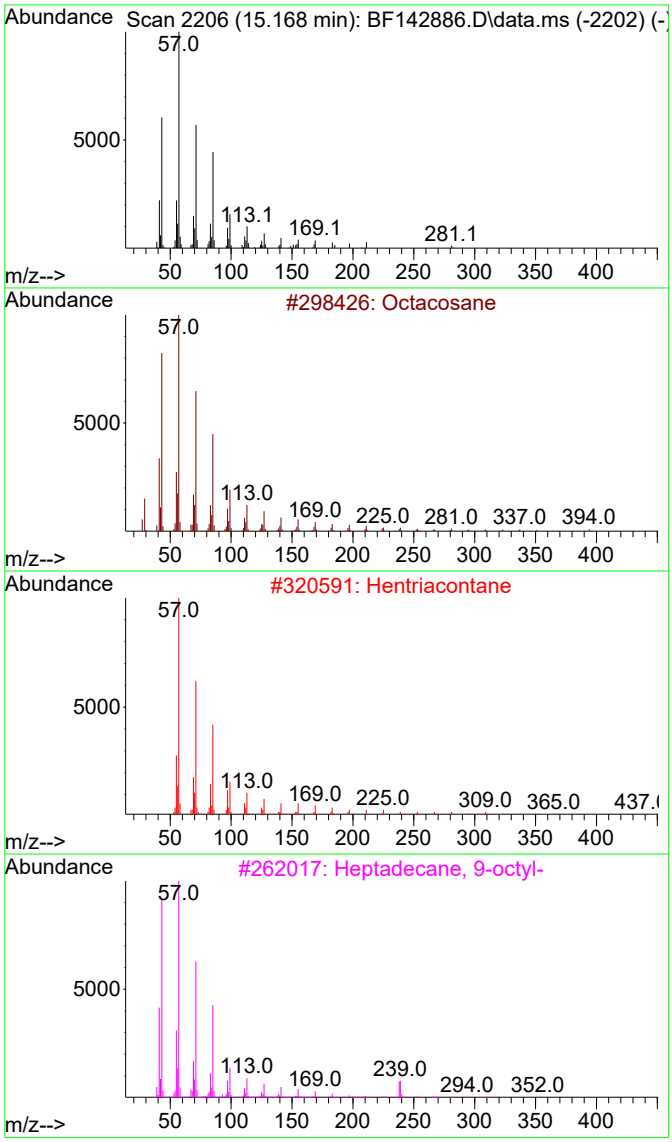
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

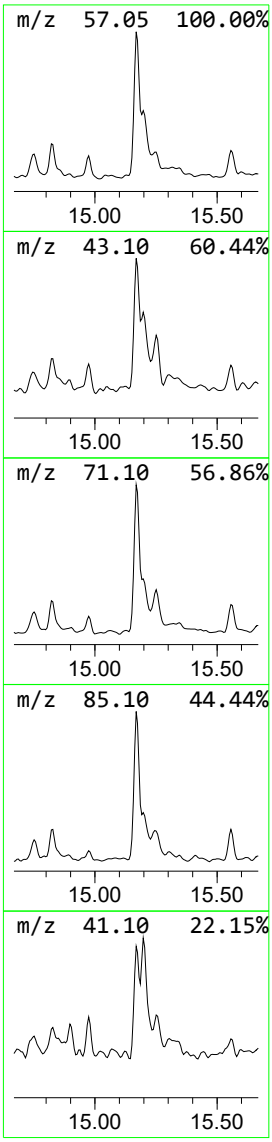
****

Peak Number 8 Octacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.169	3.78 ng	81243	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Hentriacontane	437	C31H64	000630-04-6	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heptacosane	380	C27H56	000593-49-7	91
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

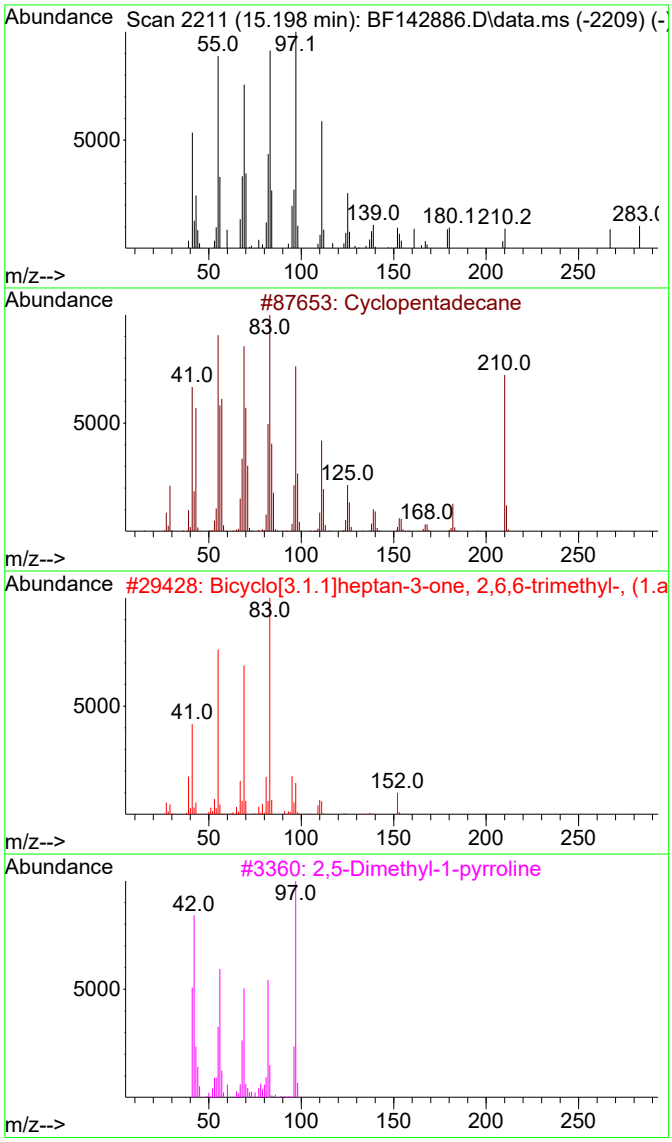
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

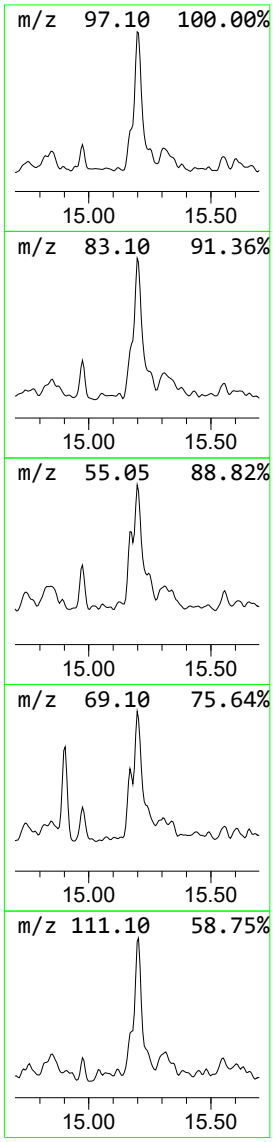
****

Peak Number 9 Cyclopentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	2.69 ng	57841	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	87
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
3	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	38
4	1-Hexadecanol	242	C16H34O	036653-82-4	38
5	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

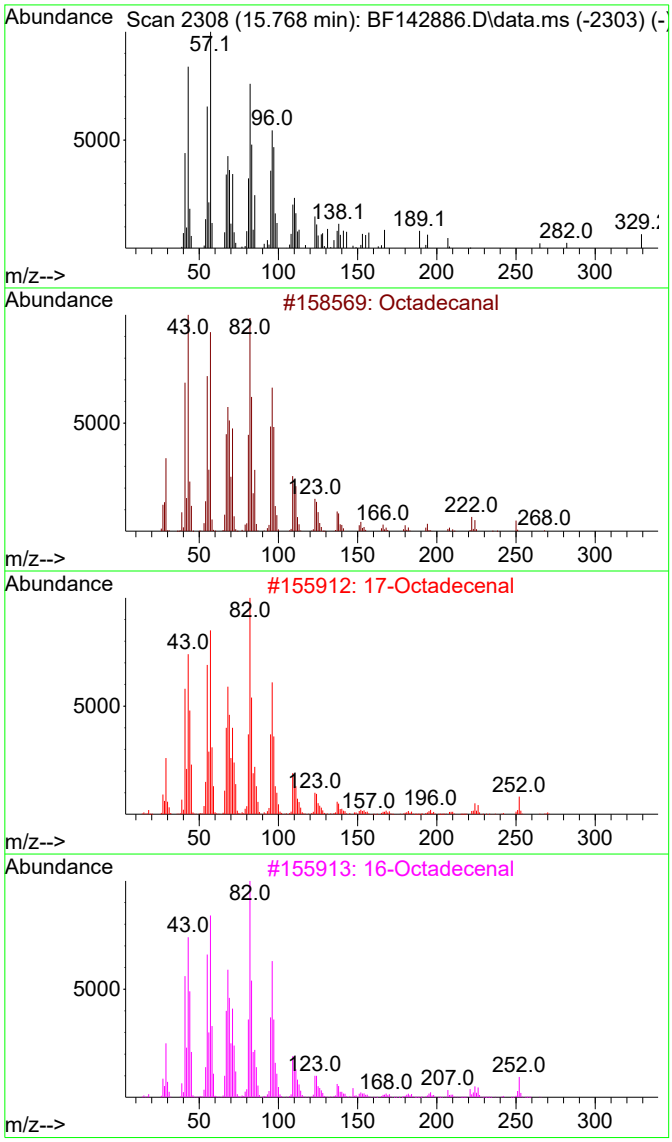
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

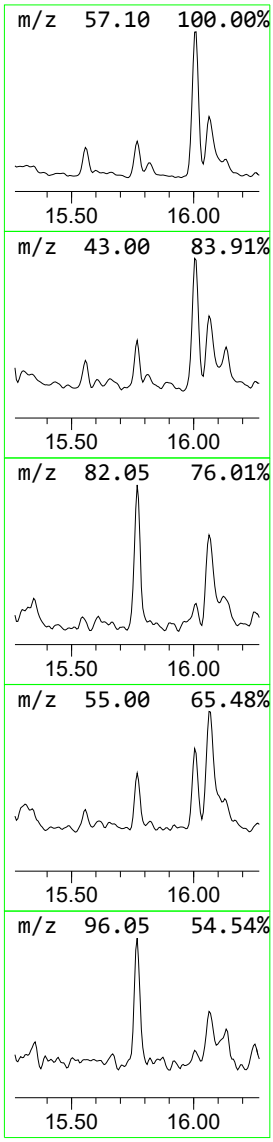
****

Peak Number 10 Octadecanal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.769	2.28 ng	49104	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	91
2	17-Octadecenal	266	C18H34O	056554-86-0	91
3	16-Octadecenal	266	C18H34O	056554-87-1	91
4	Heptadecanal	254	C17H34O	1000376-70-0	90
5	14-Octadecenal	266	C18H34O	056554-89-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

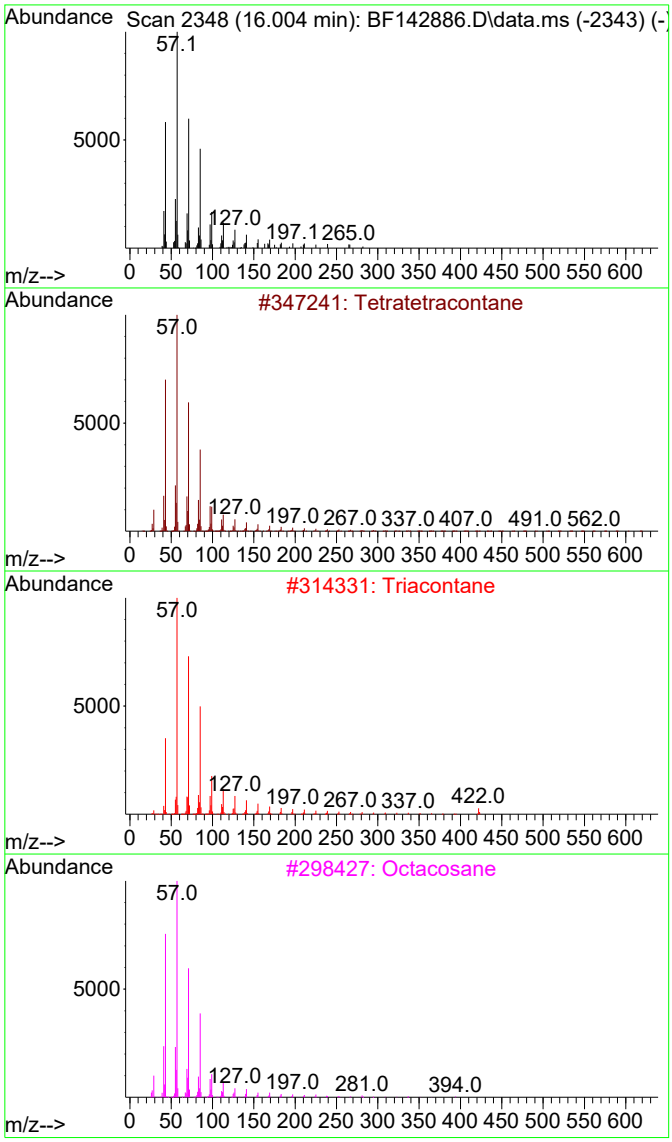
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

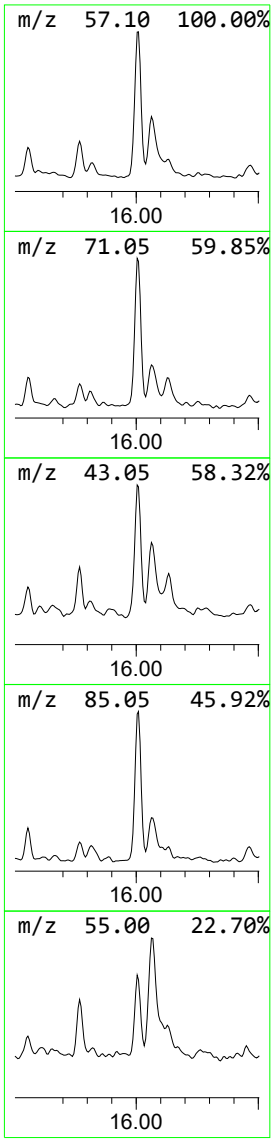
****

Peak Number 11 Tetratetracontane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.004	4.15 ng	89203	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratetracontane	619	C44H90	007098-22-8	91
2	Triacontane	422	C30H62	000638-68-6	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Eicosane, 2-methyl-	296	C21H44	001560-84-5	91
5	Heneicosane	296	C21H44	000629-94-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

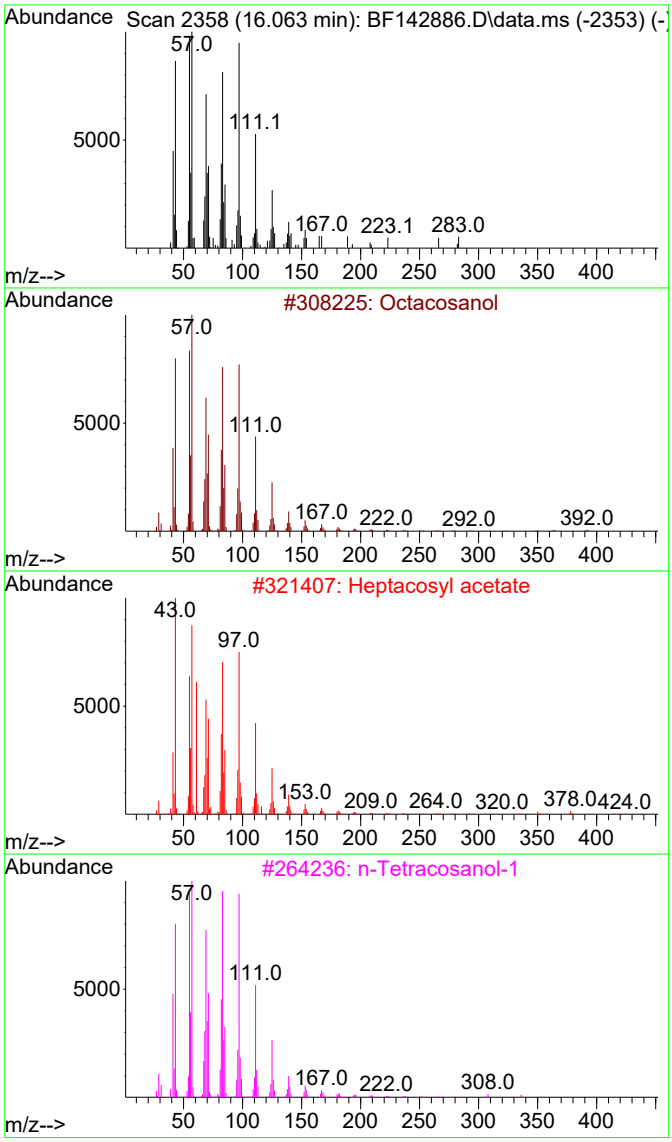
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

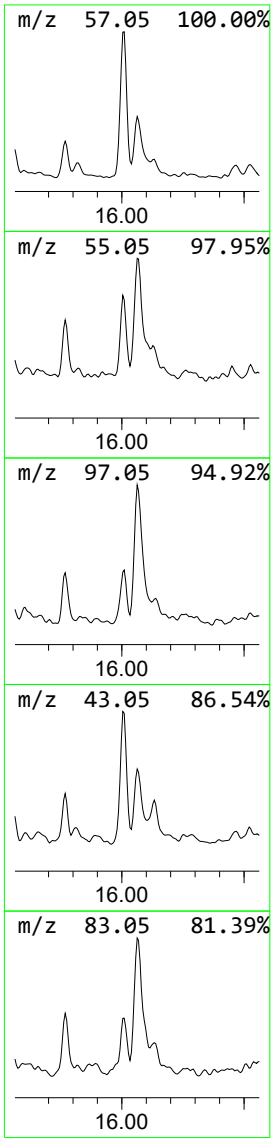
****

Peak Number 12 Octacosanol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.063	3.94 ng	84778	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosanol	410	C28H58O	000557-61-9	95
2	Heptacosyl acetate	438	C29H58O2	1000351-78-2	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	90
5	Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

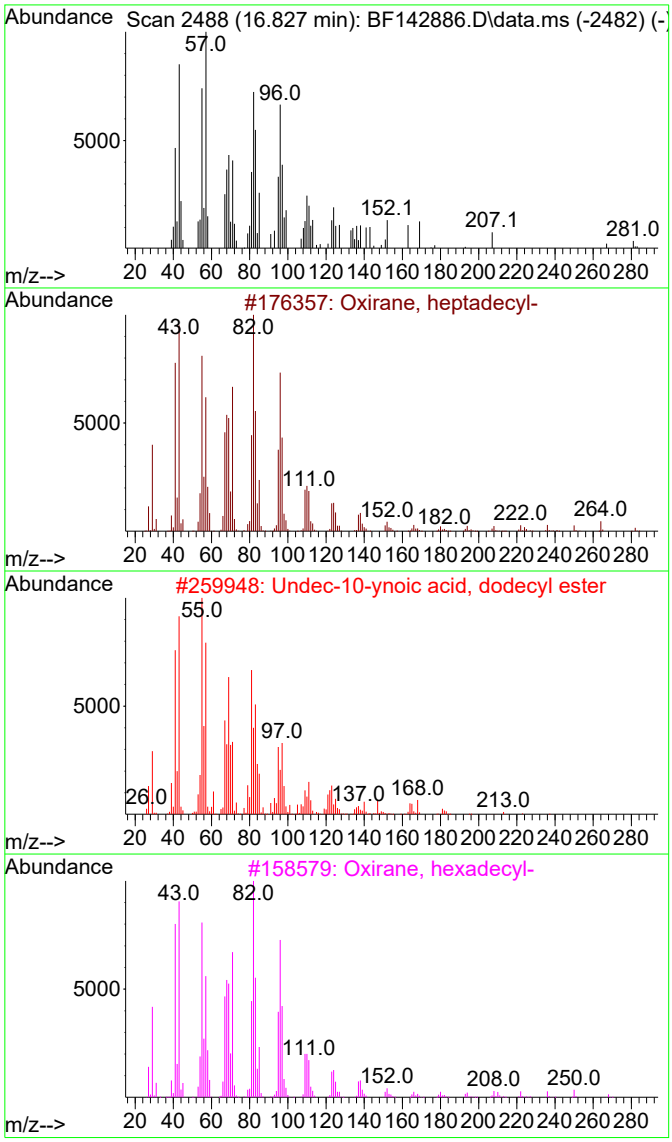
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

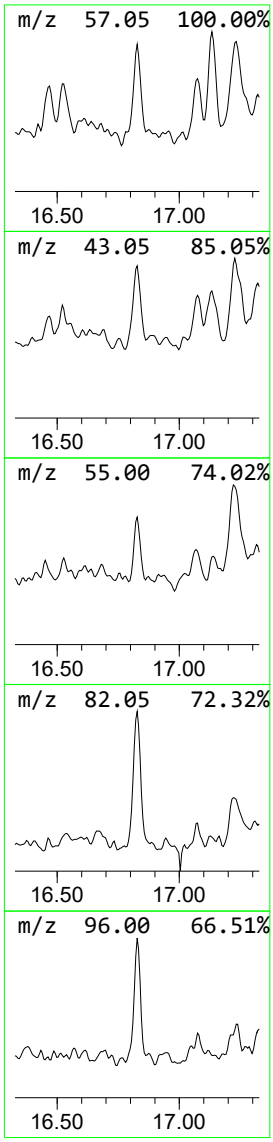
****

Peak Number 13 Oxirane, heptadecyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.827	2.12 ng	45492	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	93
2	Undec-10-ynoic acid, dodecyl ester	350	C23H42O2	1010406-16-5	72
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	58
4	Cyclohexane, (1-hexyltetradecyl)-	364	C26H52	004443-60-1	52
5	Eicosane, 9-cyclohexyl-	364	C26H52	004443-61-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

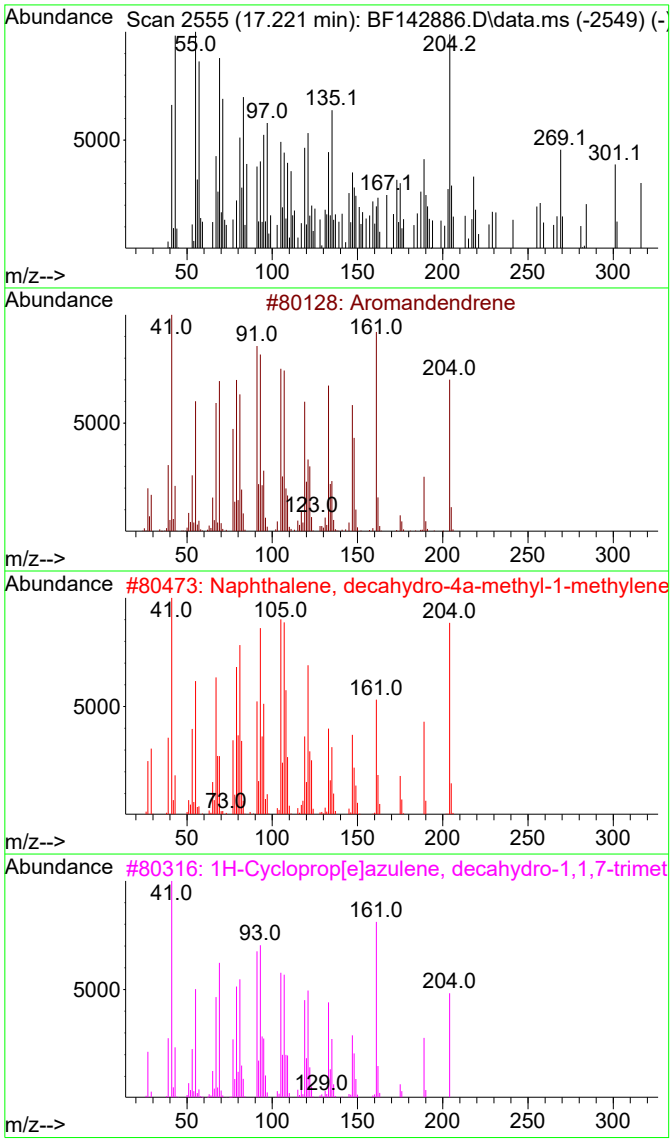
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

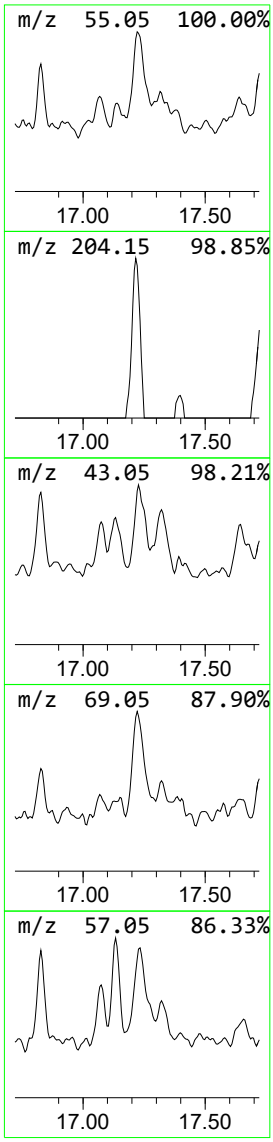
****

Peak Number 14 Aromandendrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.221	5.05 ng	108654	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aromandendrene	204	C15H24	000489-39-4	56
2	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	49
3	1H-Cycloprop[e]azulene, decahydr...	204	C15H24	072747-25-2	46
4	Aciphyllene	204	C15H24	087745-31-1	43
5	1H-3a,7-Methanoazulene, 2,3,6,7,...	204	C15H24	000560-32-7	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

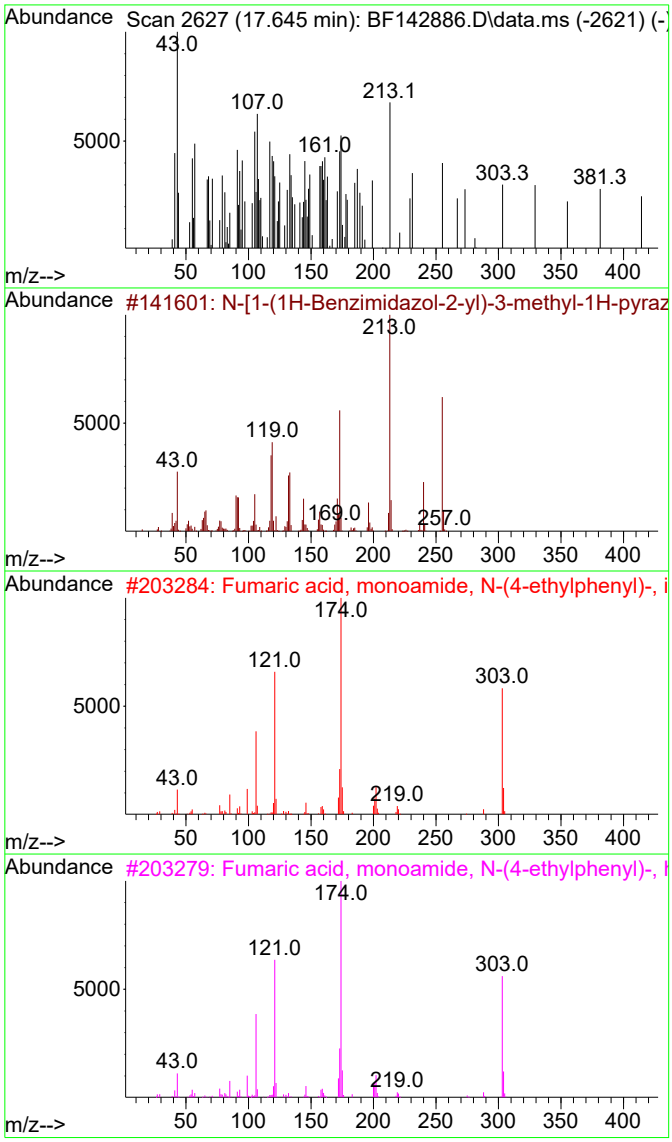
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

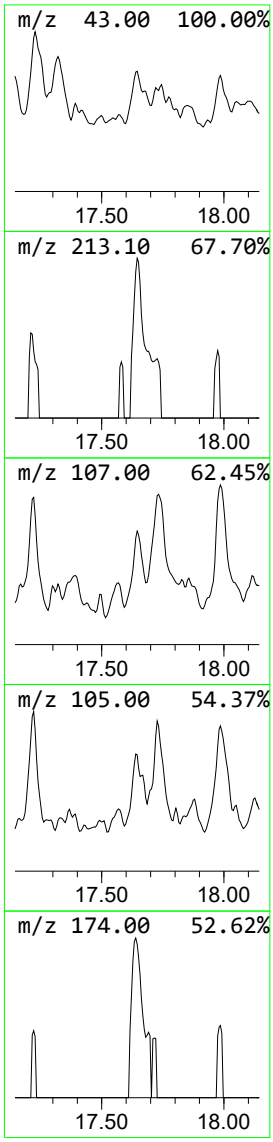
****

Peak Number 15 unknown17.645 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.645	2.53 ng	54348	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-[1-(1H-Benzimidazol-2-yl)-3-me...	255	C13H13N5O	433697-54-2	16
2	Fumaric acid, monoamide, N-(4-et...	303	C18H25NO3	1000345-45-4	11
3	Fumaric acid, monoamide, N-(4-et...	303	C18H25NO3	1000345-45-5	11
4	Thiophene, 2-(phenylmethyl)-	174	C11H10S	013132-15-5	10
5	4-(4-Methylpiperazinomethyl)-3-(...	273	C13H18F3N3	694499-26-8	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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

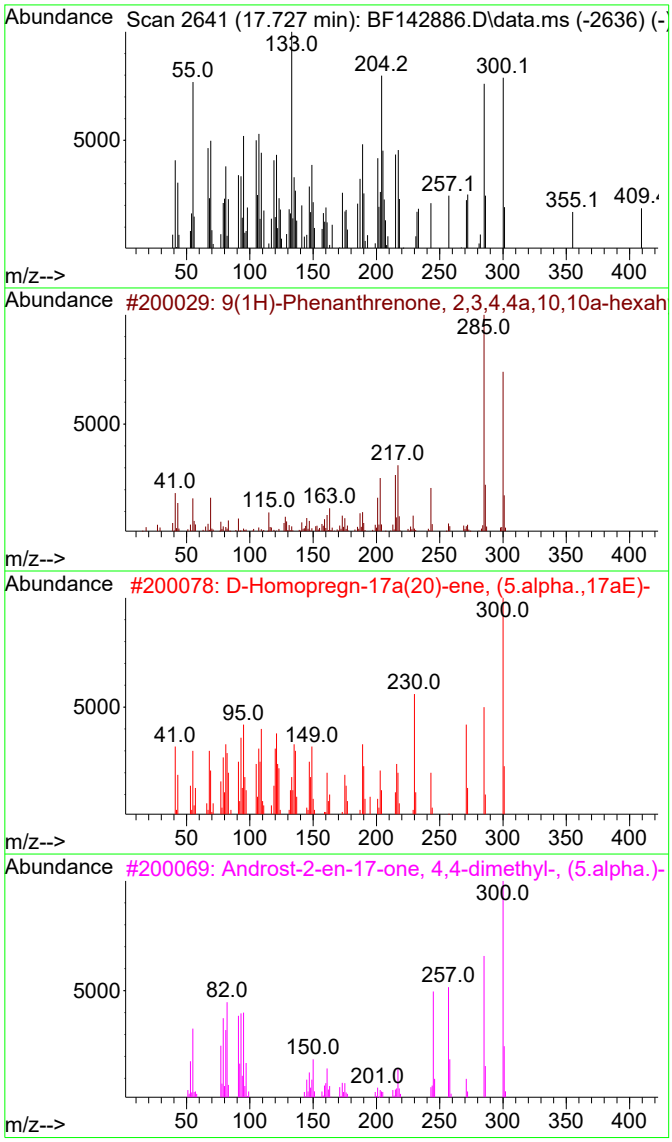
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

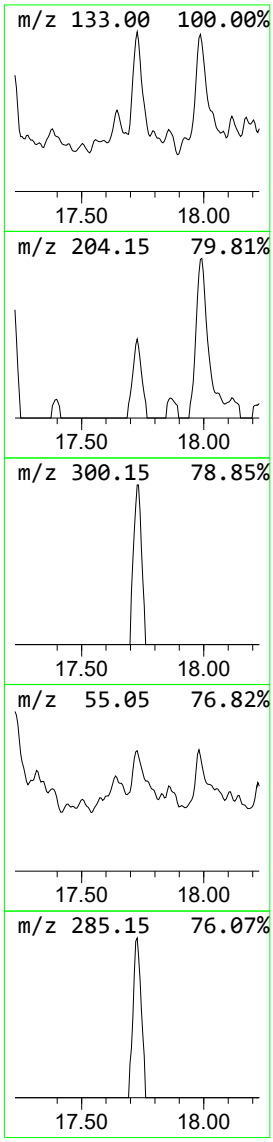
****

Peak Number 16 unknown17.727 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.727	3.91 ng	84108	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9(1H)-Phenanthrenone, 2,3,4,4a,1...	300	C20H28O2	000511-05-7	38
2	D-Homopregn-17a(20)-ene, (5.alph...	300	C22H36	054482-44-9	35
3	Androst-2-en-17-one, 4,4-dimethy...	300	C21H32O	053286-38-7	30
4	Phenanthrene, 1,2,3,4,4a,9,10,10...	300	C21H32O	010064-26-3	30
5	2-(3-Fluorophenyl)-1,3-benzoxazo...	300	C16H17FN2OSi	1000476-88-7	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

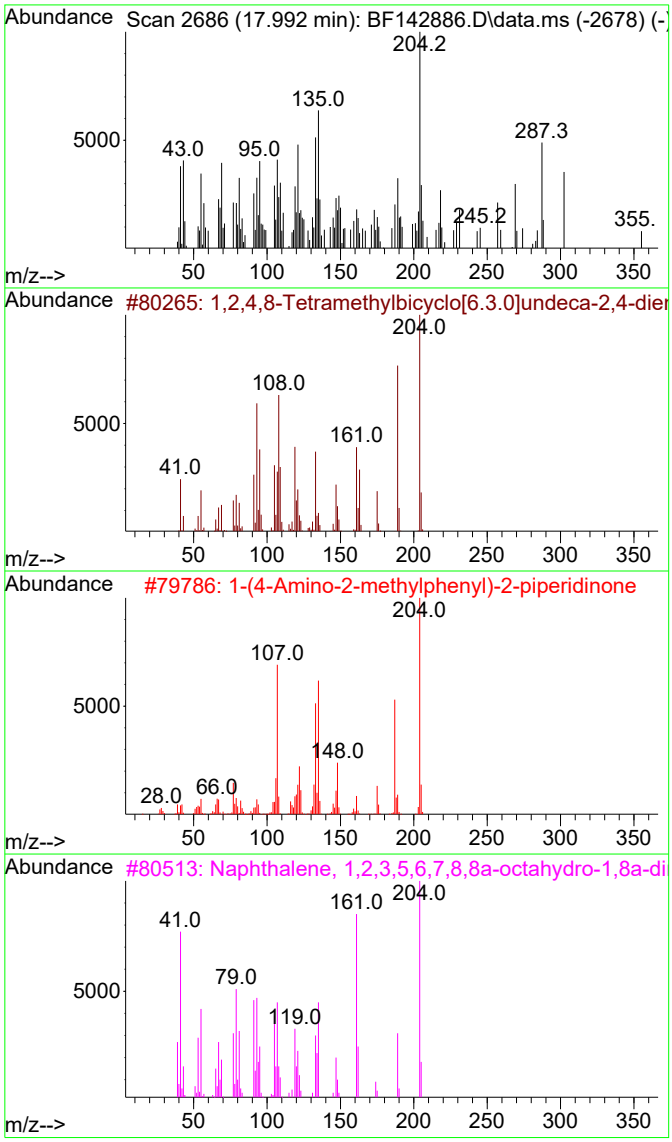
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

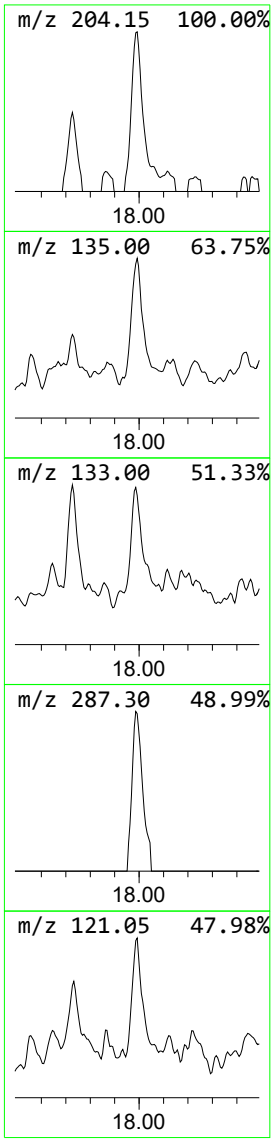
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.992	6.06 ng	130402	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	70
2	1-(4-Amino-2-methylphenyl)-2-pip...	204	C12H16N2O	443999-53-9	55
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	55
4	3-(4-Fluorophenyl)-1-methylpyraz...	204	C11H9FN2O	689250-53-1	38
5	1H-Cycloprop[e]azulene, 1a,2,3,4...	204	C15H24	000489-40-7	38





Sample Results: **BF142886.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142886.D
Acq On : 27 Jun 2025 11:52
Operator : RC/JU
Sample : Q2413-05
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-73

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-...	5.093	6.2	ng	124380	1	6.875	404586	20.0
Benzophenone	10.628	8.1	ng	218386	3	9.916	542815	20.0
7,9-Di-tert-but...	11.786	2.1	ng	49538	4	11.404	472565	20.0
n-Hexadecanoic ...	11.928	11.2	ng	264495	4	11.404	472565	20.0
Octadecanoic acid	12.716	2.8	ng	67173	4	11.404	472565	20.0
Octadecyl trifl...	13.886	10.1	ng	209711	5	14.051	415632	20.0
Pentadecafluoro...	14.522	12.5	ng	258844	5	14.051	415632	20.0
Octacosane	15.169	3.8	ng	81243	6	15.545	430078	20.0
Cyclopentadecane	15.198	2.7	ng	57841	6	15.545	430078	20.0
Octadecanal	15.769	2.3	ng	49104	6	15.545	430078	20.0
Tetratetracontane	16.004	4.2	ng	89203	6	15.545	430078	20.0
Octacosanol	16.063	3.9	ng	84778	6	15.545	430078	20.0
Oxirane, heptad...	16.827	2.1	ng	45492	6	15.545	430078	20.0
Aromandendrene	17.221	5.0	ng	108654	6	15.545	430078	20.0
unknown17.645	17.645	2.5	ng	54348	6	15.545	430078	20.0
unknown17.727	17.727	3.9	ng	84108	6	15.545	430078	20.0
1,2,4,8-Tetrame...	17.992	6.1	ng	130402	6	15.545	430078	20.0

Raw Data: **BF142893.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142893.D	1	06/26/25 09:20	06/27/25 15:15	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	380	ug/Kg
108-95-2	Phenol	25.4	U	25.4	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	27.9	U	27.9	200	ug/Kg
95-57-8	2-Chlorophenol	28.0	U	28.0	200	ug/Kg
95-48-7	2-Methylphenol	34.3	U	34.3	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43.1	U	43.1	200	ug/Kg
98-86-2	Acetophenone	33.9	U	33.9	200	ug/Kg
65794-96-9	3+4-Methylphenols	47.2	U	47.2	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.4	U	54.4	91.9	ug/Kg
67-72-1	Hexachloroethane	20.2	U	20.2	200	ug/Kg
98-95-3	Nitrobenzene	21.0	U	21.0	200	ug/Kg
78-59-1	Isophorone	37.7	U	37.7	200	ug/Kg
88-75-5	2-Nitrophenol	66.9	U	66.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	74.4	U	74.4	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	35.4	U	35.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	32.5	U	32.5	200	ug/Kg
91-20-3	Naphthalene	26.1	U	26.1	200	ug/Kg
106-47-8	4-Chloroaniline	40.7	U	40.7	200	ug/Kg
87-68-3	Hexachlorobutadiene	29.1	U	29.1	200	ug/Kg
105-60-2	Caprolactam	59.8	U	59.8	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33.0	U	33.0	200	ug/Kg
91-57-6	2-Methylnaphthalene	29.4	U	29.4	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	22.7	U	22.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33.4	U	33.4	200	ug/Kg
92-52-4	1,1-Biphenyl	25.0	U	25.0	200	ug/Kg
91-58-7	2-Chloronaphthalene	25.8	U	25.8	200	ug/Kg
88-74-4	2-Nitroaniline	55.3	U	55.3	200	ug/Kg
131-11-3	Dimethylphthalate	31.1	U	31.1	200	ug/Kg

Raw Data: **BF142893.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142893.D	1	06/26/25 09:20	06/27/25 15:15	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	33.2	U	33.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	38.6	U	38.6	200	ug/Kg
99-09-2	3-Nitroaniline	52.8	U	52.8	200	ug/Kg
83-32-9	Acenaphthene	24.5	U	24.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	380	ug/Kg
132-64-9	Dibenzofuran	26.1	U	26.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	57.5	U	57.5	200	ug/Kg
84-66-2	Diethylphthalate	32.5	U	32.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	30.7	U	30.7	200	ug/Kg
86-73-7	Fluorene	29.1	U	29.1	200	ug/Kg
100-01-6	4-Nitroaniline	73.7	U	73.7	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	37.8	U	37.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31.9	U	31.9	200	ug/Kg
118-74-1	Hexachlorobenzene	29.1	U	29.1	200	ug/Kg
1912-24-9	Atrazine	39.1	U	39.1	200	ug/Kg
87-86-5	Pentachlorophenol	58.9	U	58.9	380	ug/Kg
85-01-8	Phenanthrene	24.0	U	24.0	200	ug/Kg
120-12-7	Anthracene	38.3	U	38.3	200	ug/Kg
86-74-8	Carbazole	35.8	U	35.8	200	ug/Kg
84-74-2	Di-n-butylphthalate	55.0	U	55.0	200	ug/Kg
206-44-0	Fluoranthene	34.5	U	34.5	200	ug/Kg
129-00-0	Pyrene	41.4	U	41.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	82.0	U	82.0	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	42.2	U	42.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	26.4	U	26.4	200	ug/Kg
218-01-9	Chrysene	22.9	U	22.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.0	U	68.0	200	ug/Kg
117-84-0	Di-n-octyl phthalate	99.7	U	99.7	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	21.8	U	21.8	200	ug/Kg

Raw Data: **BF142893.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142893.D	1	06/26/25 09:20	06/27/25 15:15	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	25.7	U	25.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	33.9	U	33.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33.4	U	33.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31.5	U	31.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	29.5	U	29.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	29.4	U	29.4	200	ug/Kg
123-91-1	1,4-Dioxane	51.9	U	51.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31.5	U	31.5	200	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.7		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	81.6		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	54.7		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.7		20 - 109	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.3		10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	39.0		10 - 105	39%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	68400	6.875			
1146-65-2	Naphthalene-d8	241000	8.163			
15067-26-2	Acenaphthene-d10	110000	9.916			
1517-22-2	Phenanthrene-d10	175000	11.41			
1719-03-5	Chrysene-d12	164000	14.057			
1520-96-3	Perylene-d12	111000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	78.1	J		4.53	ug/Kg
001795-27-3	Cyclohexane, 1,3,5-trimethyl-, (1.	150	J		5.01	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	330	A		5.09	ug/Kg
007667-60-9	Cyclohexane, 1,2,4-trimethyl-, (1.	130	J		5.29	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	87.3	J		5.57	ug/Kg
020237-46-1	cis-3-Nonene	90.4	J		5.65	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	100	J		5.69	ug/Kg

Raw Data: **BF142893.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	87
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142893.D	1	06/26/25 09:20	06/27/25 15:15	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000111-84-2	Nonane	160	J		5.78	ug/Kg
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	120	J		5.90	ug/Kg
000119-61-9	Benzophenone	320	J		10.6	ug/Kg
000629-50-5	Tridecane	92.7	J		10.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	170	J		11.9	ug/Kg
000629-78-7	Heptadecane	93.8	J		12.9	ug/Kg
000593-45-3	Octadecane	83.1	J		13.2	ug/Kg
000629-92-5	Nonadecane	120	J		13.6	ug/Kg
074685-30-6	5-Eicosene, (E)-	290	J		13.9	ug/Kg
000629-97-0	Docosane	200	J		14.2	ug/Kg
000638-67-5	Tricosane	230	J		14.5	ug/Kg
000630-01-3	Hexacosane	150	J		14.8	ug/Kg
027538-41-6	11-Methyltricosane	250	J		15.2	ug/Kg

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

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

Sample Results: **BF142893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

Quant Time: Jun 27 15:52:27 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

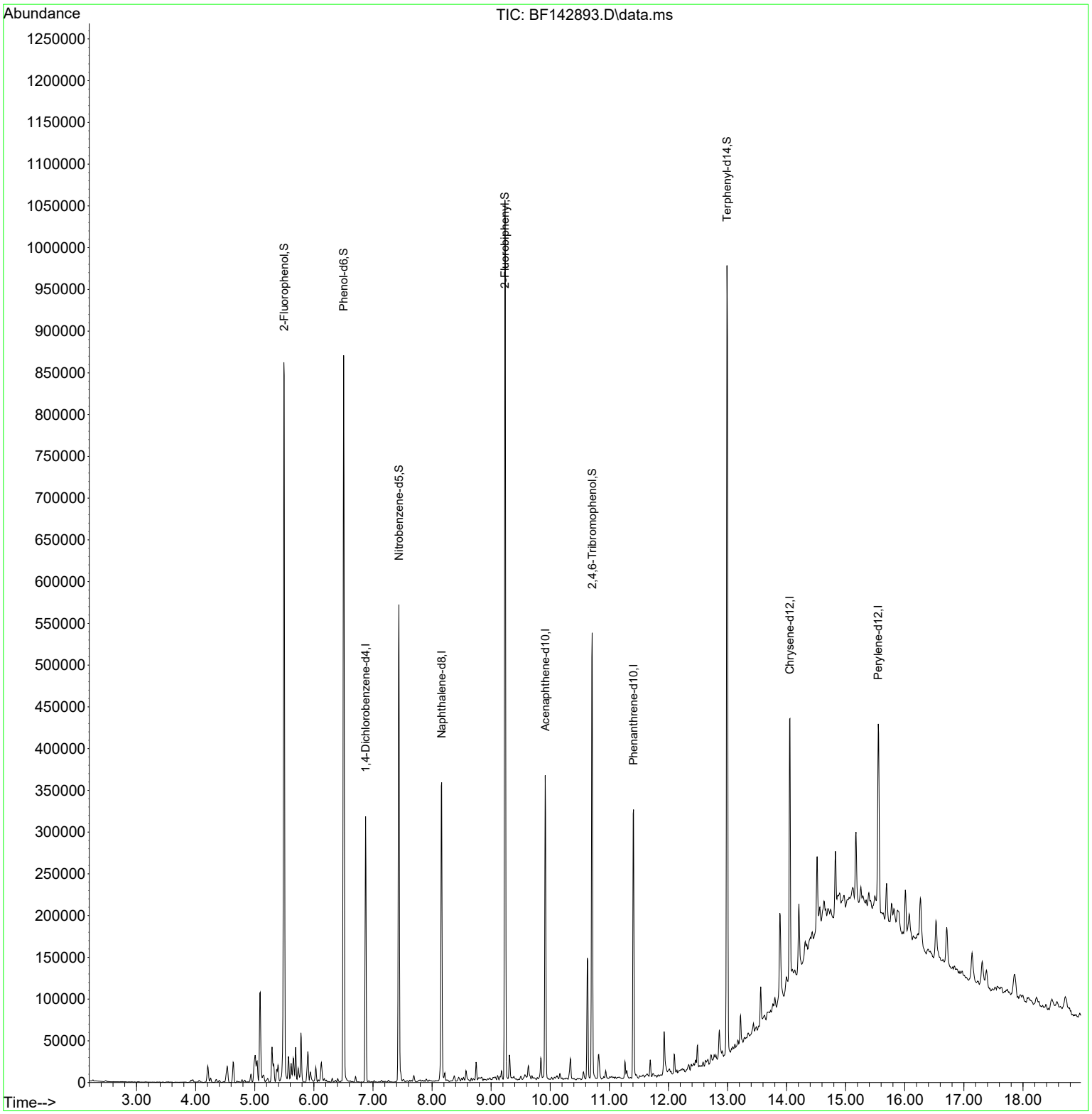
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	68428	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	240509	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	109896	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	174745	20.000	ng	0.00
76) Chrysene-d12	14.057	240	163929	20.000	ng	0.00
86) Perylene-d12	15.551	264	110583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	340095	82.749	ng	0.00
7) Phenol-d6	6.504	99	395877	81.641	ng	0.00
23) Nitrobenzene-d5	7.440	82	239759	54.680	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91946	81.303	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	474559	56.728	ng	-0.01
79) Terphenyl-d14	12.992	244	462885	39.015	ng	0.00
Target Compounds						Qvalue

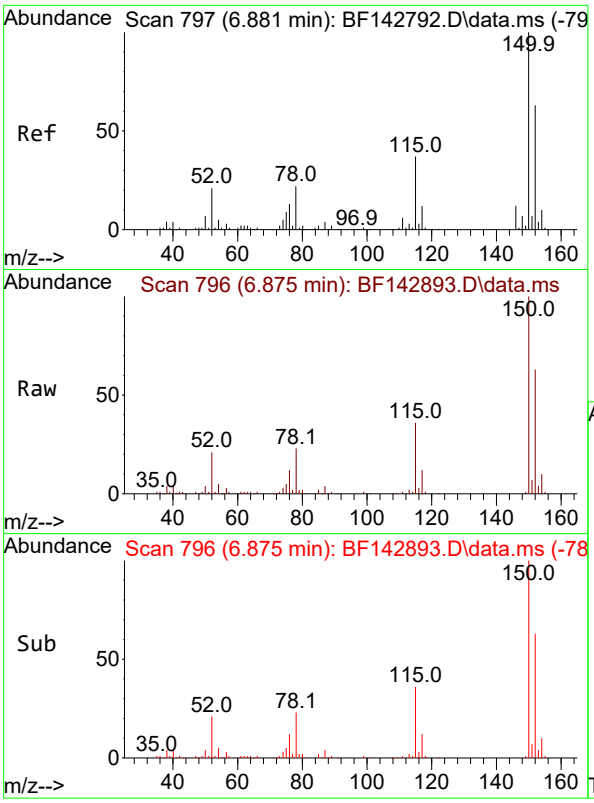
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

Quant Time: Jun 27 15:52:27 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



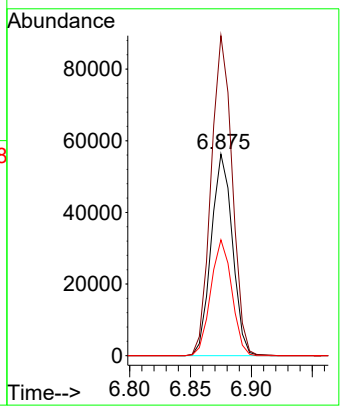


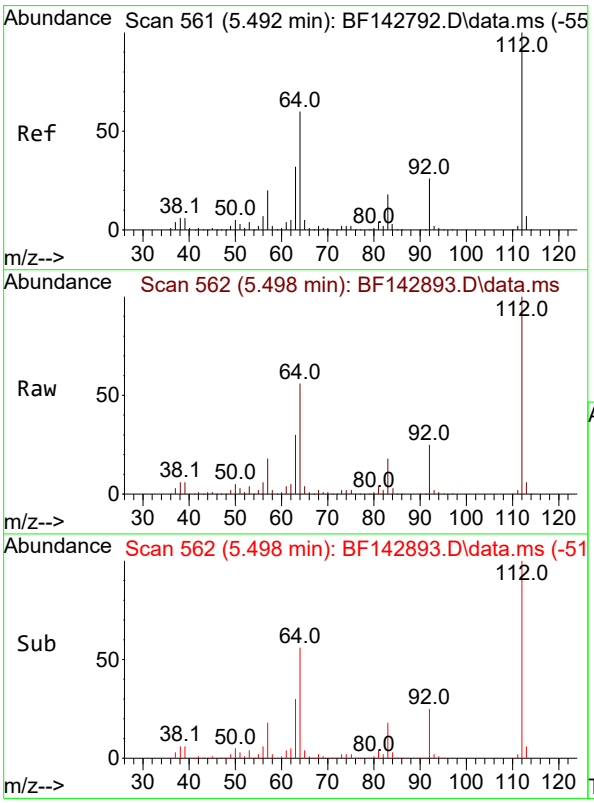
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:152 Resp: 68428

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.2	190.8
115	57.4	46.6	69.8

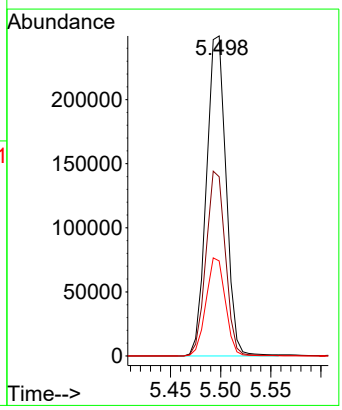


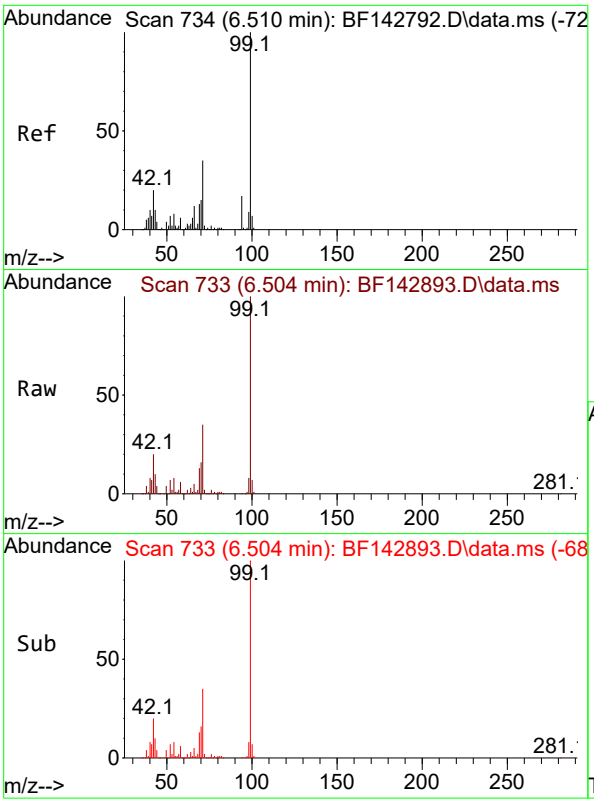


#5
2-Fluorophenol
Concen: 82.749 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:112 Resp: 340095

Ion	Ratio	Lower	Upper
112	100		
64	56.0	48.2	72.2
63	29.7	25.7	38.5



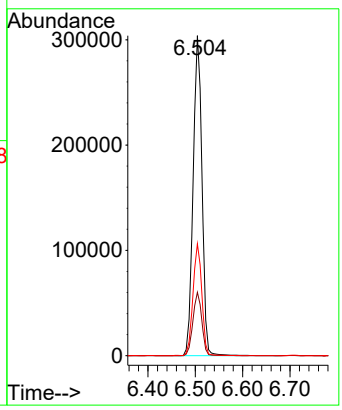


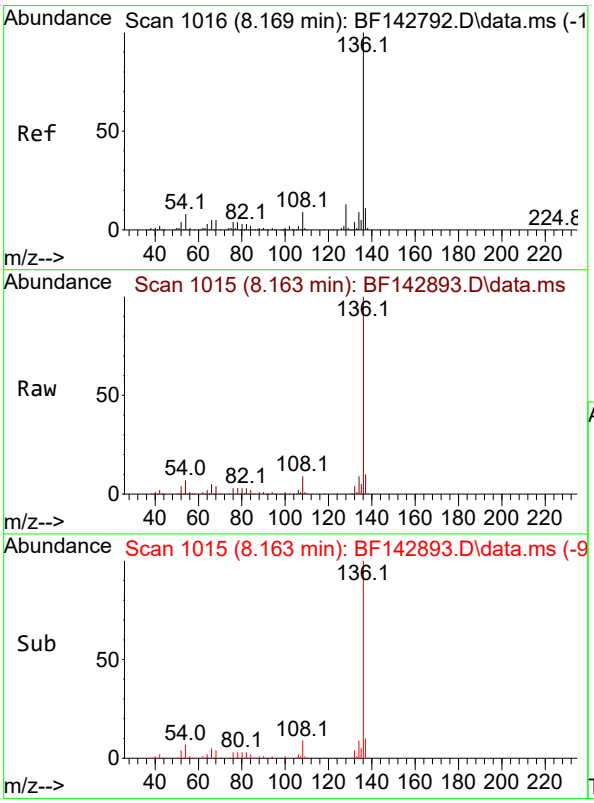
#7
Phenol-d6
Concen: 81.641 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion: 99 Resp: 395877

Ion	Ratio	Lower	Upper
99	100		
42	19.8	15.9	23.9
71	34.9	27.8	41.8

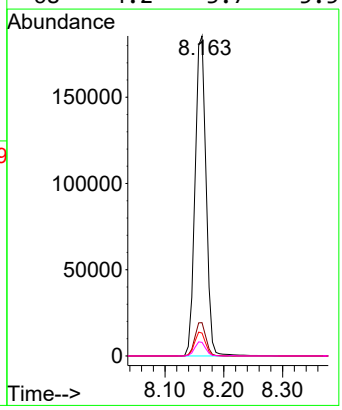


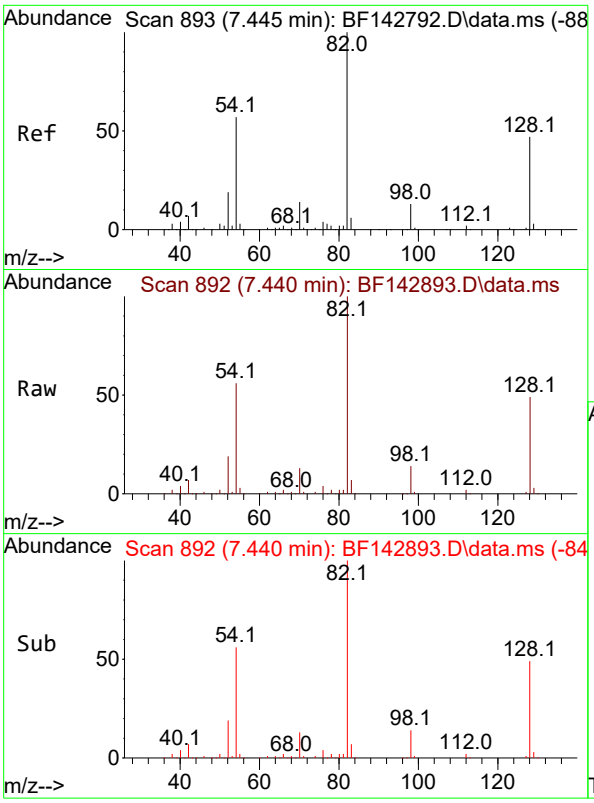


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:136 Resp: 240509

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.4	12.6
54	7.2	6.3	9.5
68	4.2	3.7	5.5



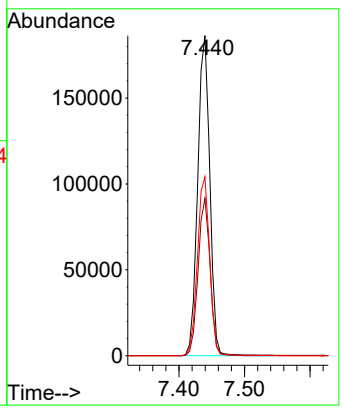


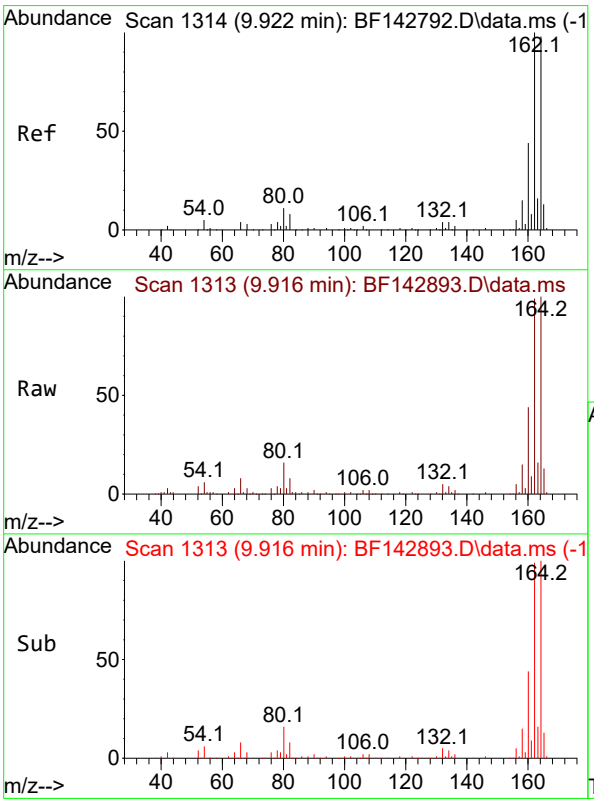
#23
Nitrobenzene-d5
Concen: 54.680 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion: 82 Resp: 239759

Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.7	56.5
54	55.9	45.7	68.5

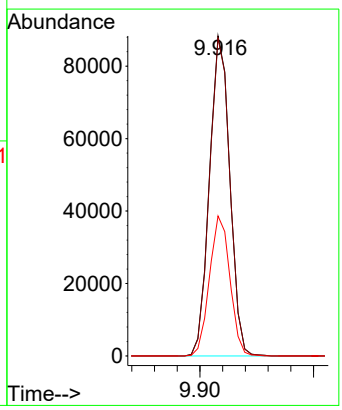


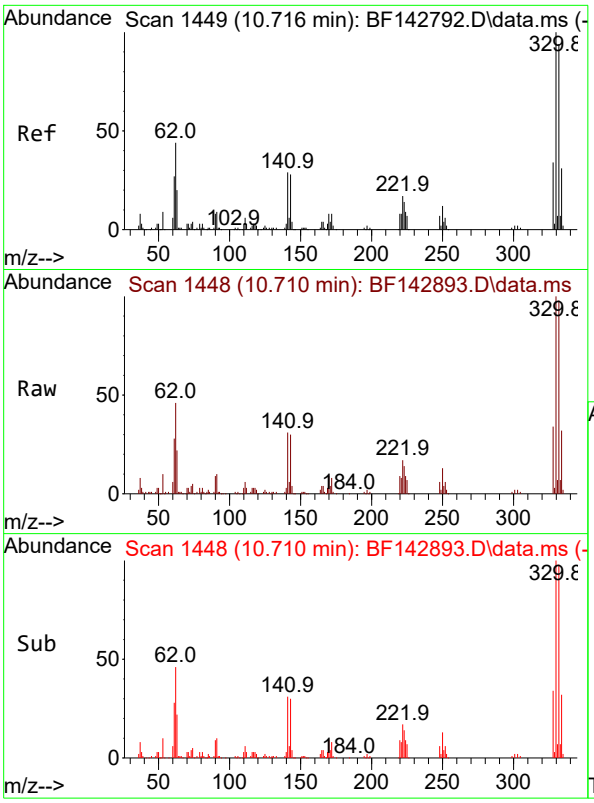


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:164 Resp: 109896

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.8	122.8
160	43.8	36.0	54.0



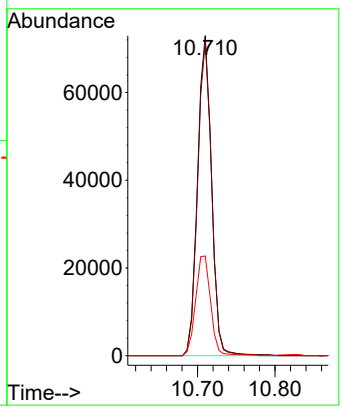


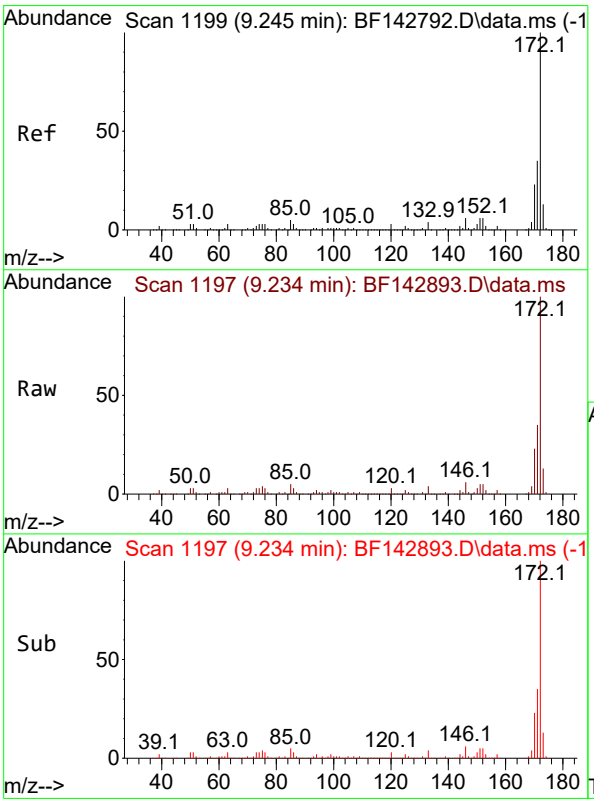
#42
2,4,6-Tribromophenol
Concen: 81.303 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:330 Resp: 91946

Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.0	112.6
141	33.4	25.3	37.9

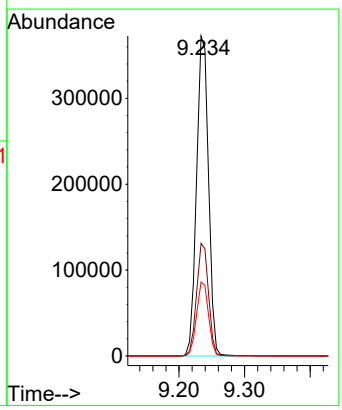


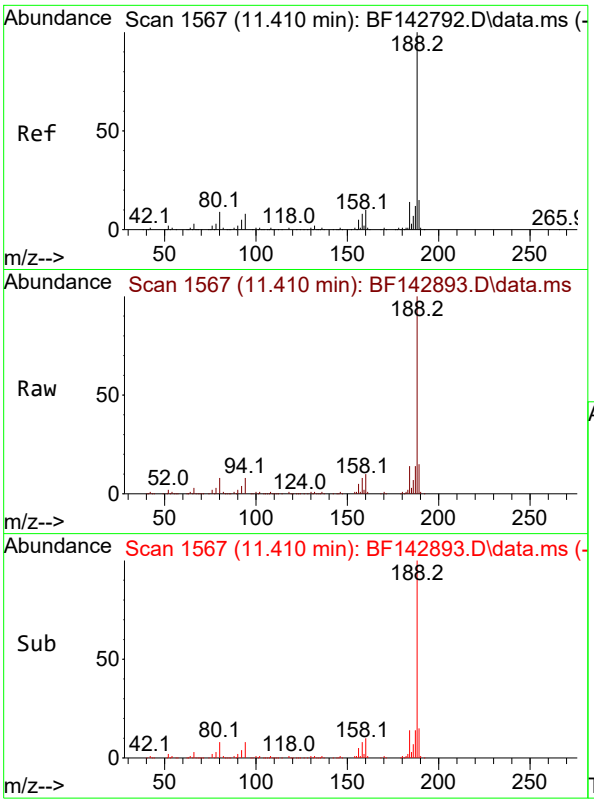


#45
2-Fluorobiphenyl
Concen: 56.728 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:172 Resp: 474559

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.1	18.5	27.7



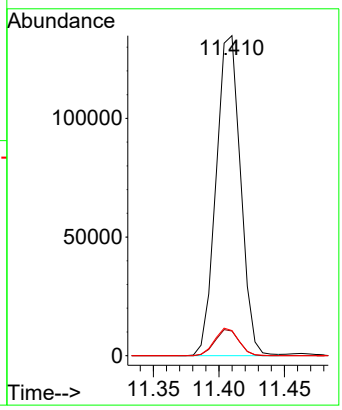


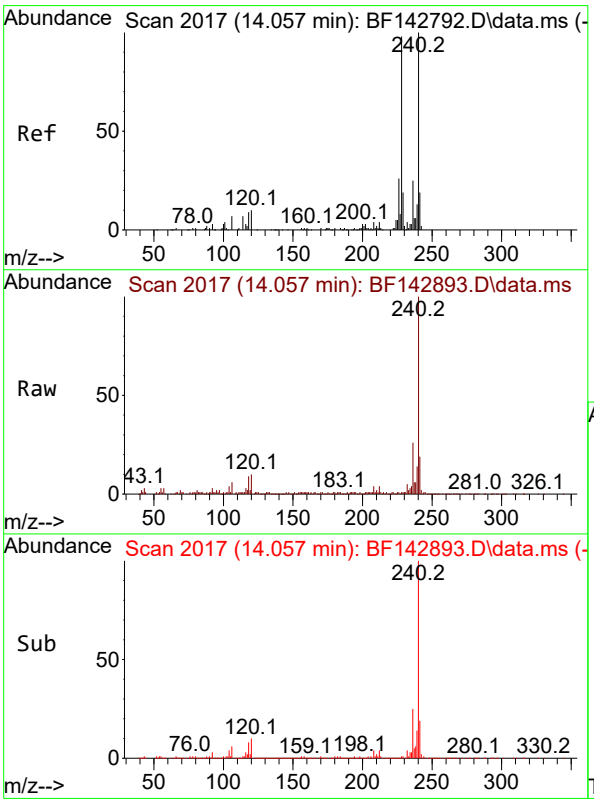
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:188 Resp: 174745

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.7	10.1
80	7.9	6.9	10.3

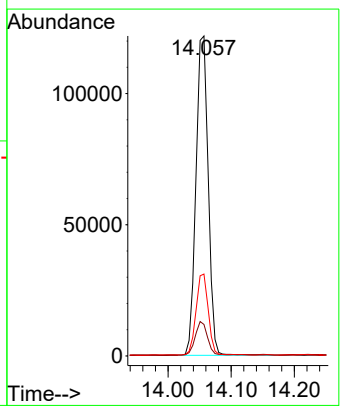


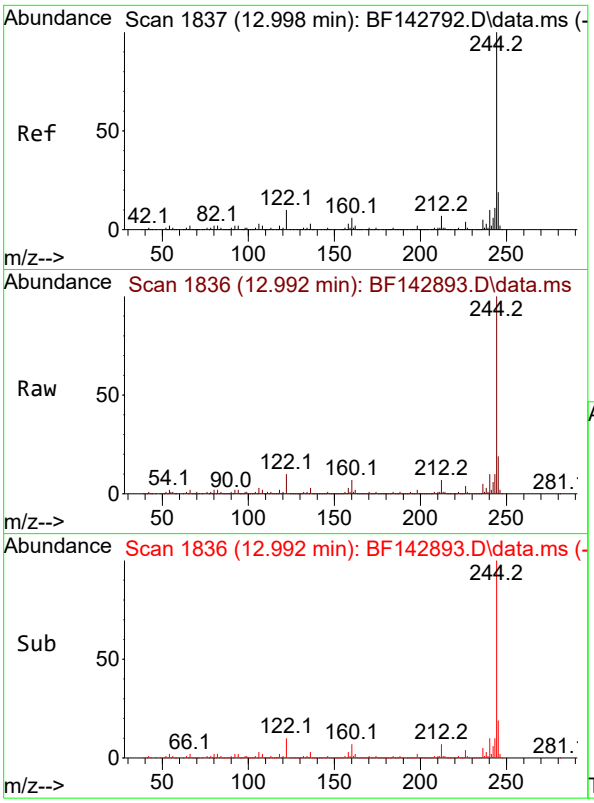


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:240 Resp: 163929

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.2	12.2
236	25.6	19.8	29.8



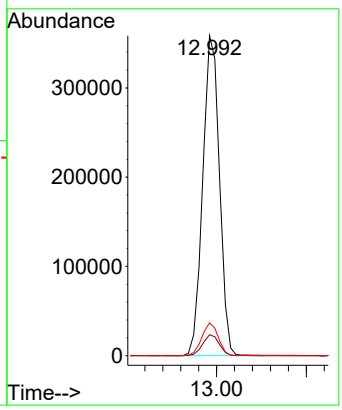


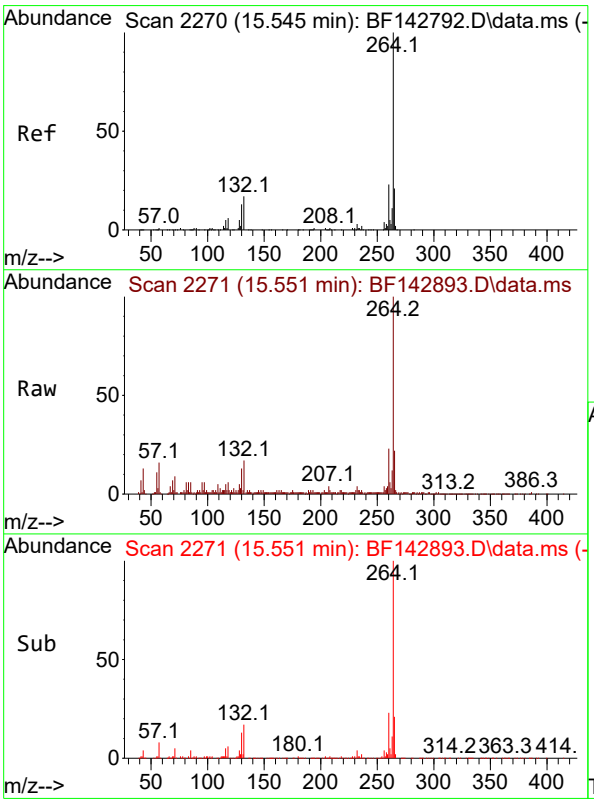
#79
Terphenyl-d14
Concen: 39.015 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Instrument :
BNA_F
ClientSampleId :
TP-72

Tgt Ion:244 Resp: 462885

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.3	8.2	12.2

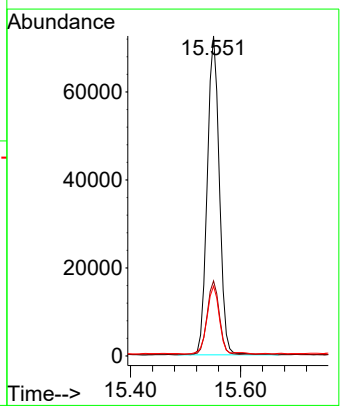




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF142893.D
Acq: 27 Jun 2025 15:15

Tgt Ion:264 Resp: 110583

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.1	27.1
265	21.8	16.6	25.0



Sample Results: **BF142893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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: BF142893.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.204	336	342	347	rBV	19470	32222	2.44%	0.284%
2	4.534	390	398	404	rVB3	18845	38975	2.95%	0.344%
3	4.634	410	415	421	rVB	24412	36454	2.76%	0.322%
4	4.934	458	466	470	rBV3	9501	15064	1.14%	0.133%
5	5.010	470	479	481	rVV5	32046	72630	5.50%	0.641%
6	5.040	481	484	488	rVV	25368	36417	2.76%	0.321%
7	5.093	488	493	498	rVV	107285	164656	12.46%	1.453%
8	5.146	498	502	507	rVB4	7925	15809	1.20%	0.139%
9	5.293	520	527	530	rBV2	42127	66568	5.04%	0.587%
10	5.375	536	541	542	rBV	14494	19970	1.51%	0.176%
11	5.393	542	544	549	rVV	19373	23780	1.80%	0.210%
12	5.493	549	561	570	rVV	861505	1213303	91.81%	10.705%
13	5.569	570	574	578	rVV	30292	43534	3.29%	0.384%
14	5.616	578	582	585	rVV2	22163	32285	2.44%	0.285%
15	5.651	585	588	592	rVV3	28671	45155	3.42%	0.398%
16	5.693	592	595	599	rVV	41634	51323	3.88%	0.453%
17	5.734	599	602	606	rVV	16659	26356	1.99%	0.233%
18	5.781	606	610	618	rVB	58941	79557	6.02%	0.702%
19	5.898	623	630	634	rBV	36689	61314	4.64%	0.541%
20	5.940	634	637	646	rVV2	11382	19511	1.48%	0.172%
21	6.034	646	653	657	rVB2	17490	24764	1.87%	0.218%
22	6.128	663	669	674	rBV2	22093	35725	2.70%	0.315%
23	6.504	727	733	749	rVB	869543	1137894	86.10%	10.040%
24	6.875	791	796	801	rBV	317951	382520	28.95%	3.375%
25	7.440	886	892	901	rBV	570615	740952	56.07%	6.538%
26	8.163	1005	1015	1021	rBV	357260	482254	36.49%	4.255%
27	8.575	1081	1085	1097	rVB	12609	21745	1.65%	0.192%
28	8.745	1110	1114	1118	rBV	21500	25695	1.94%	0.227%
29	9.234	1192	1197	1202	rBV	1053156	1321522	100.00%	11.660%
30	9.310	1206	1210	1216	rBV	28323	35183	2.66%	0.310%
31	9.569	1247	1254	1260	rBV9	5549	14024	1.06%	0.124%
32	9.628	1260	1264	1272	rVB3	15989	28617	2.17%	0.252%
33	9.839	1294	1300	1305	rBV	24469	33883	2.56%	0.299%
34	9.916	1308	1313	1321	rVB	363275	452350	34.23%	3.991%
35	10.339	1378	1385	1389	rBV2	24558	37226	2.82%	0.328%
36	10.563	1417	1423	1429	rBV2	9252	15312	1.16%	0.135%

Sample Results: **BF142893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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	10.628	1429	1434	1441	rVV	145370	188881	14.29%	1.667%
38	10.710	1442	1448	1459	rVV	534593	701283	53.07%	6.188%
39	10.822	1462	1467	1475	rVB	29460	51466	3.89%	0.454%
40	11.263	1538	1542	1545	rBV	20318	26475	2.00%	0.234%
41	11.292	1545	1547	1554	rVB6	9118	13381	1.01%	0.118%
42	11.410	1561	1567	1573	rBV	321554	425374	32.19%	3.753%
43	11.692	1611	1615	1619	rVB	20265	23909	1.81%	0.211%
44	11.927	1649	1655	1664	rBV4	52379	96109	7.27%	0.848%
45	12.098	1680	1684	1690	rBV	23092	32039	2.42%	0.283%
46	12.492	1747	1751	1754	rVB	25415	30971	2.34%	0.273%
47	12.722	1786	1790	1795	rBV5	10345	19873	1.50%	0.175%
48	12.863	1810	1814	1820	rBV3	32267	53063	4.02%	0.468%
49	12.992	1831	1836	1846	rVB	942241	1224593	92.67%	10.805%
50	13.222	1871	1875	1882	rBV2	32790	46995	3.56%	0.415%
51	13.563	1929	1933	1938	rBV	47490	70214	5.31%	0.620%
52	13.886	1984	1988	1999	rVB	99491	165668	12.54%	1.462%
53	14.057	2012	2017	2022	rBV	311241	432640	32.74%	3.817%
54	14.210	2039	2043	2051	rBV	75281	114183	8.64%	1.007%
55	14.516	2091	2095	2100	rBV	85877	130601	9.88%	1.152%
56	14.827	2145	2148	2152	rBV	61917	75757	5.73%	0.668%
57	15.174	2204	2207	2215	rVB	84339	128018	9.69%	1.130%
58	15.551	2267	2271	2278	rVB2	226200	397597	30.09%	3.508%

Sum of corrected areas: 11333639

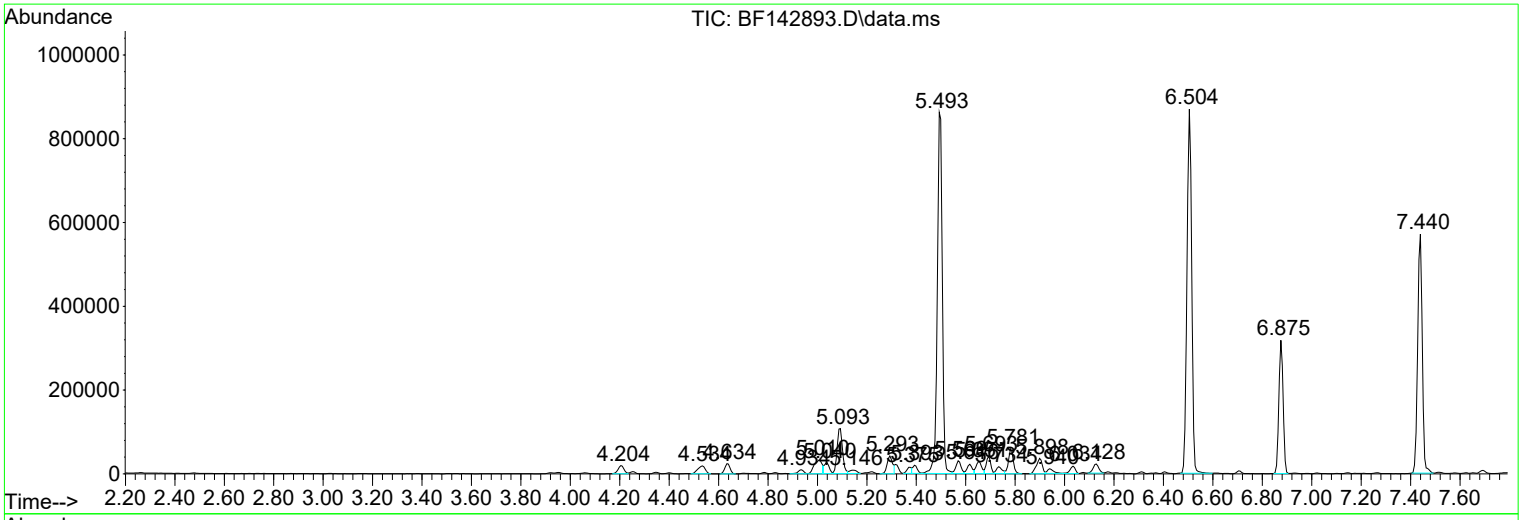
Sample Results: **BF142893.D**

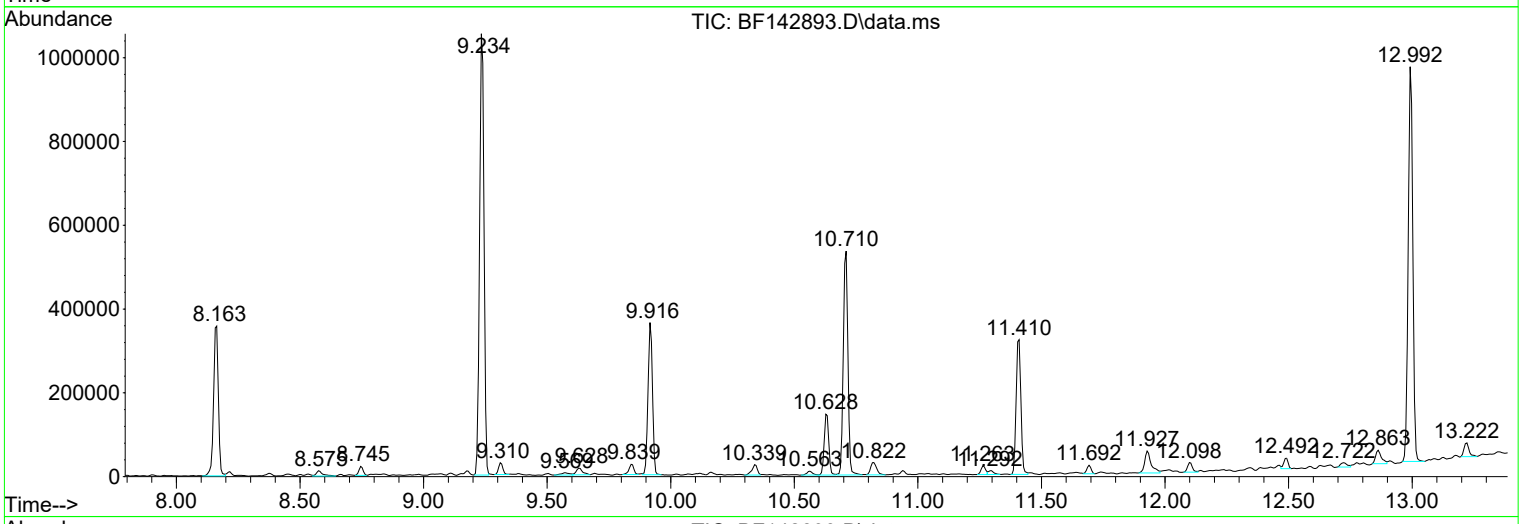
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

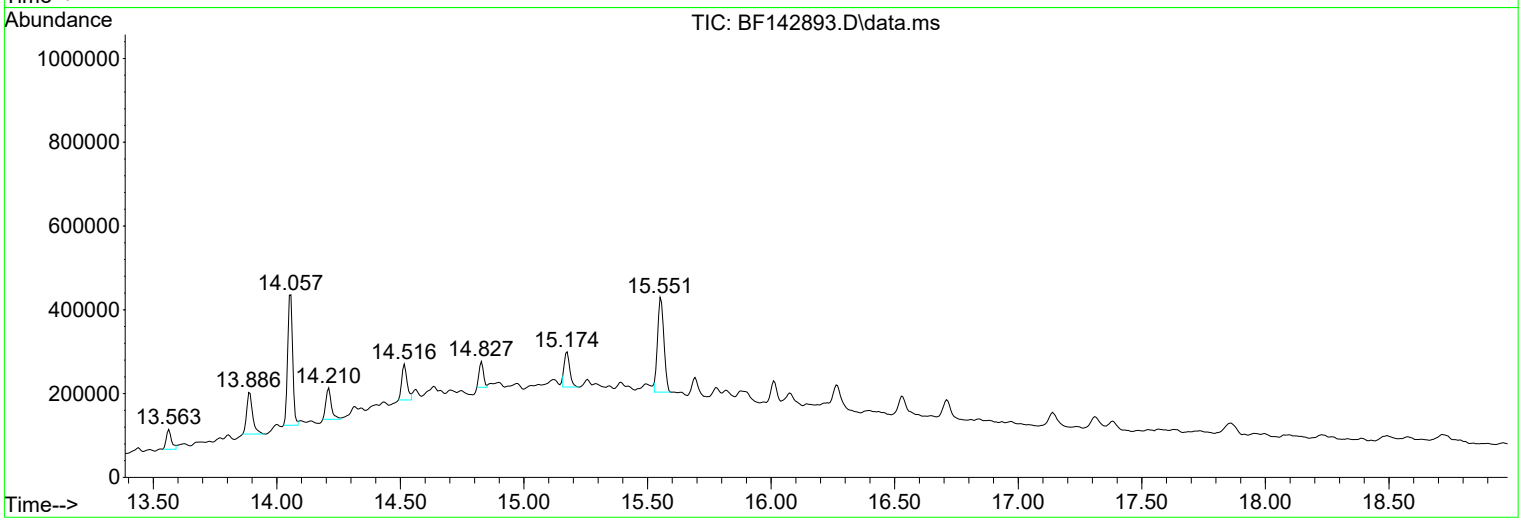
Instrument :
BNA_F
ClientSampleId :
TP-72

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\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

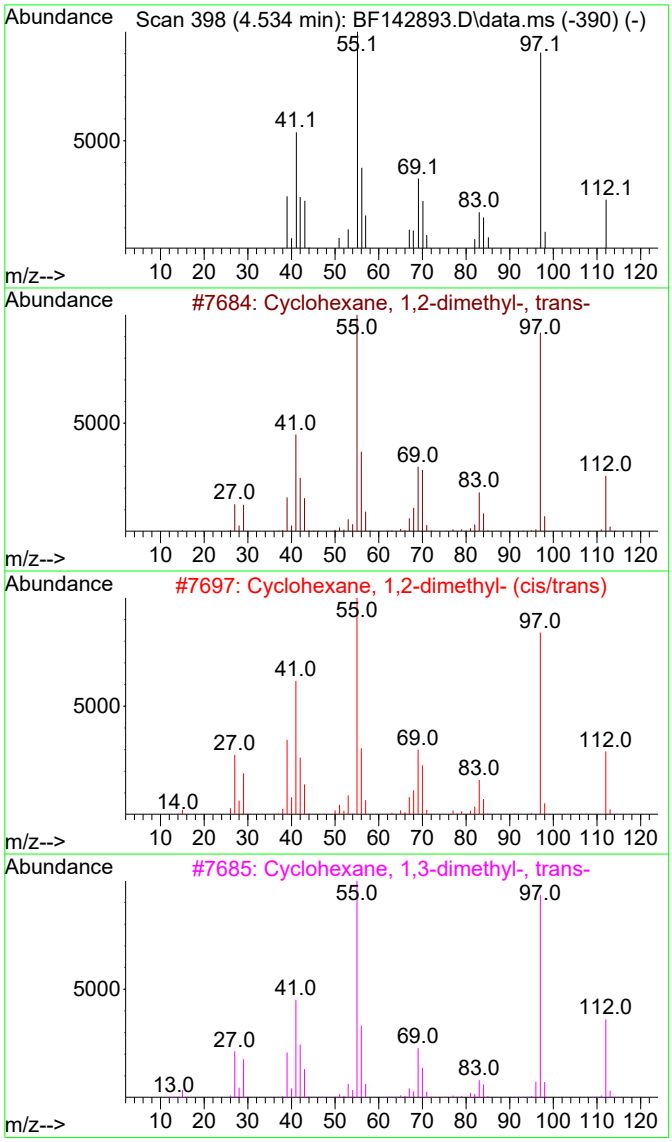
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

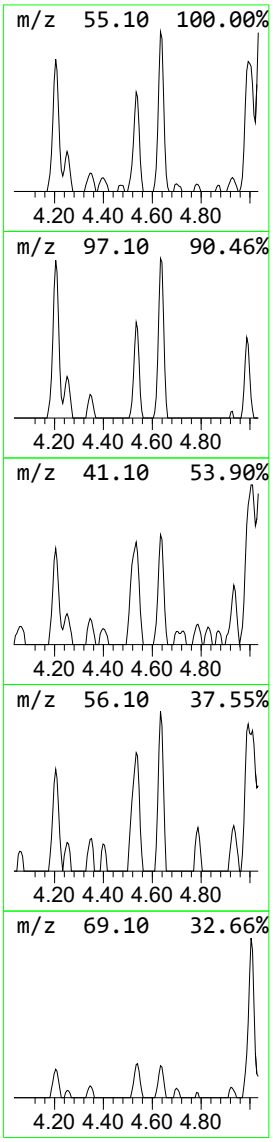
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.534	2.04 ng	38975	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	80
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

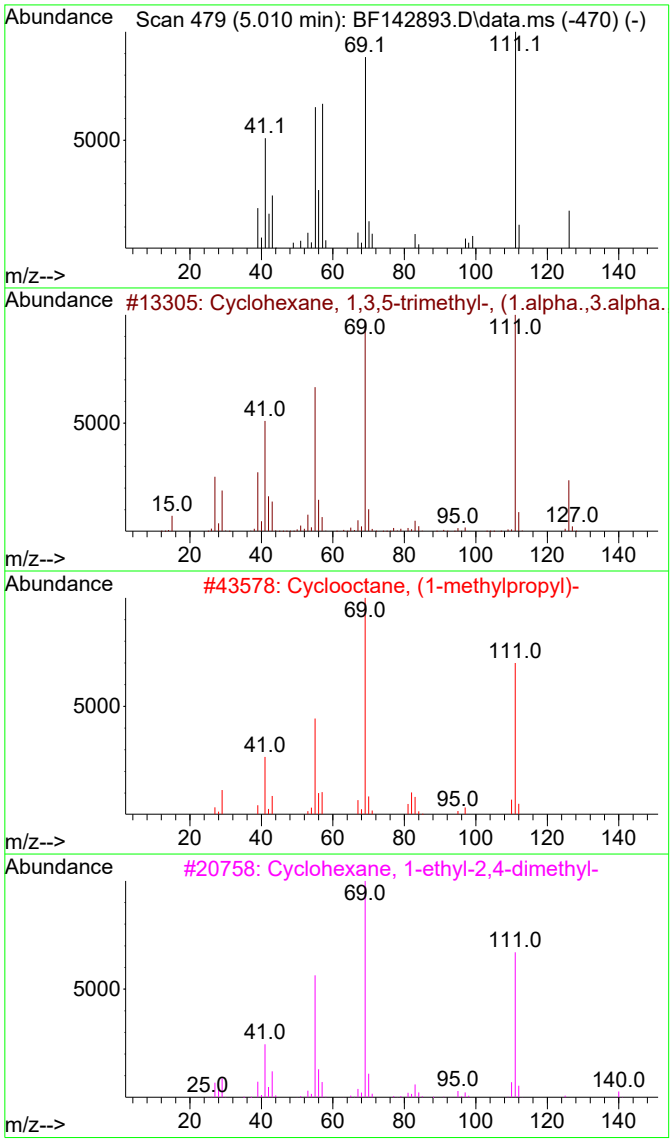
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

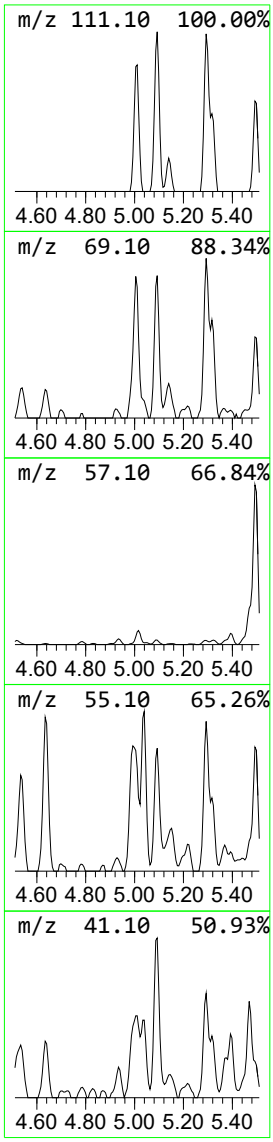
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclohexane, 1,3,5-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	3.80 ng	72630	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
2	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	78
3	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	72
4	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	59
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

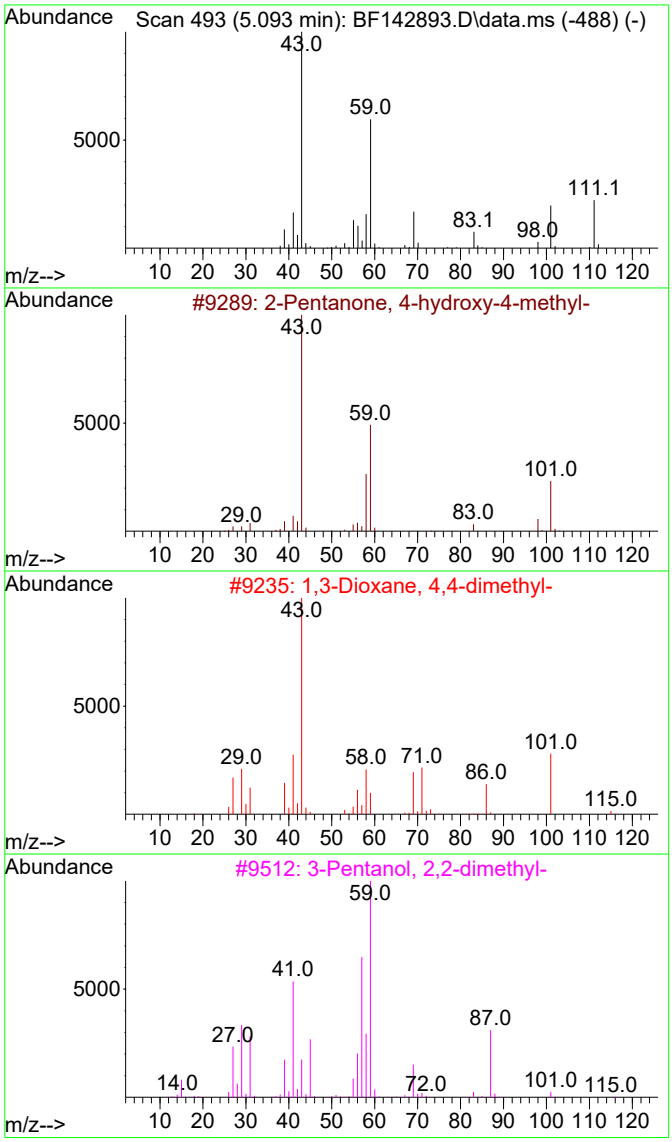
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

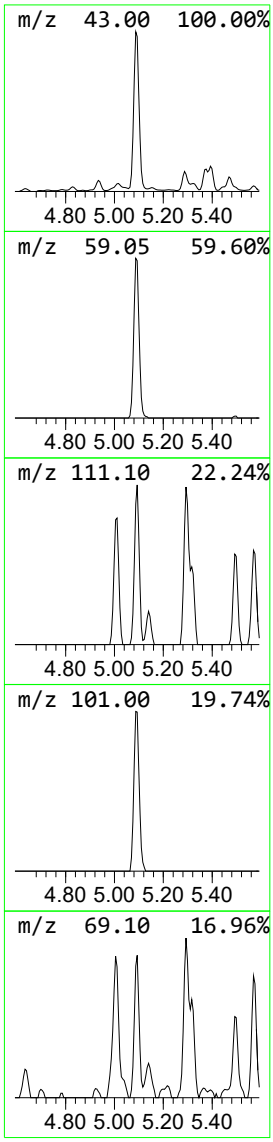
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.093	8.61 ng	164656	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	38
2	1,3-Dioxane, 4,4-dimethyl-	116	C6H12O2	000766-15-4	37
3	3-Pentanol, 2,2-dimethyl-	116	C7H16O	003970-62-5	32
4	3-Octanol	130	C8H18O	000589-98-0	28
5	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

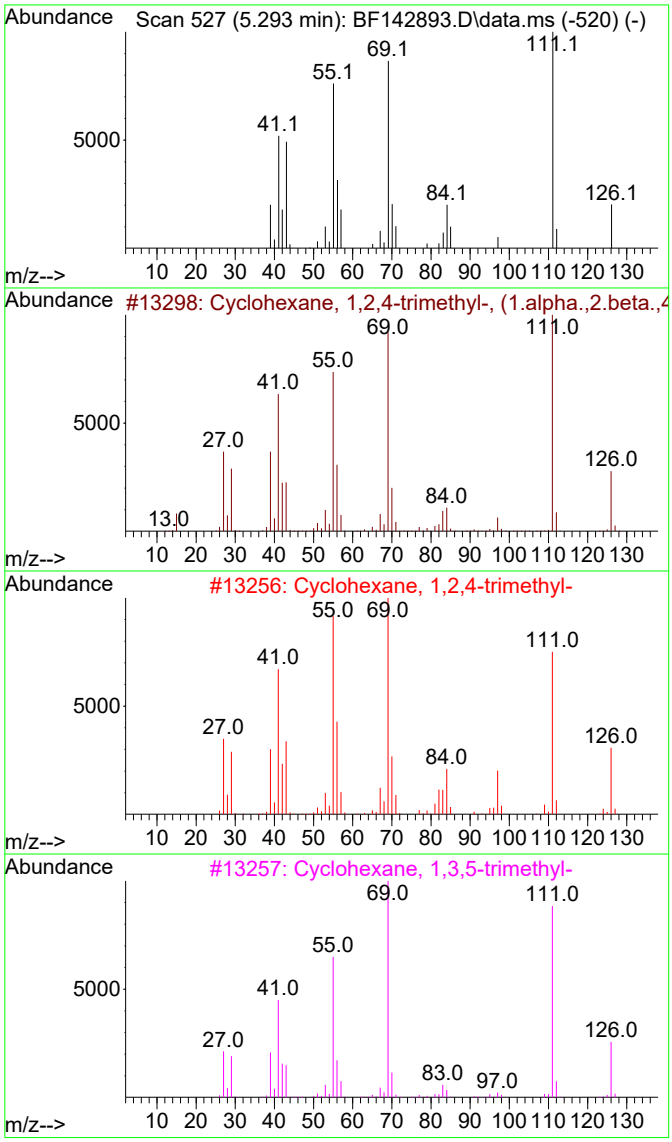
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

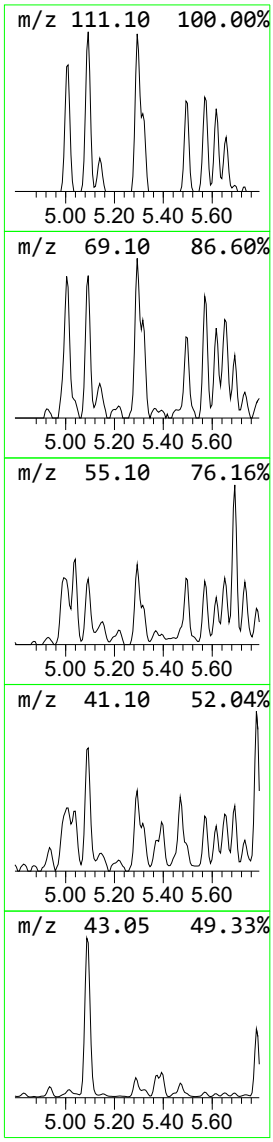
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, 1,2,4-trimethy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.293	3.48 ng	66568	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

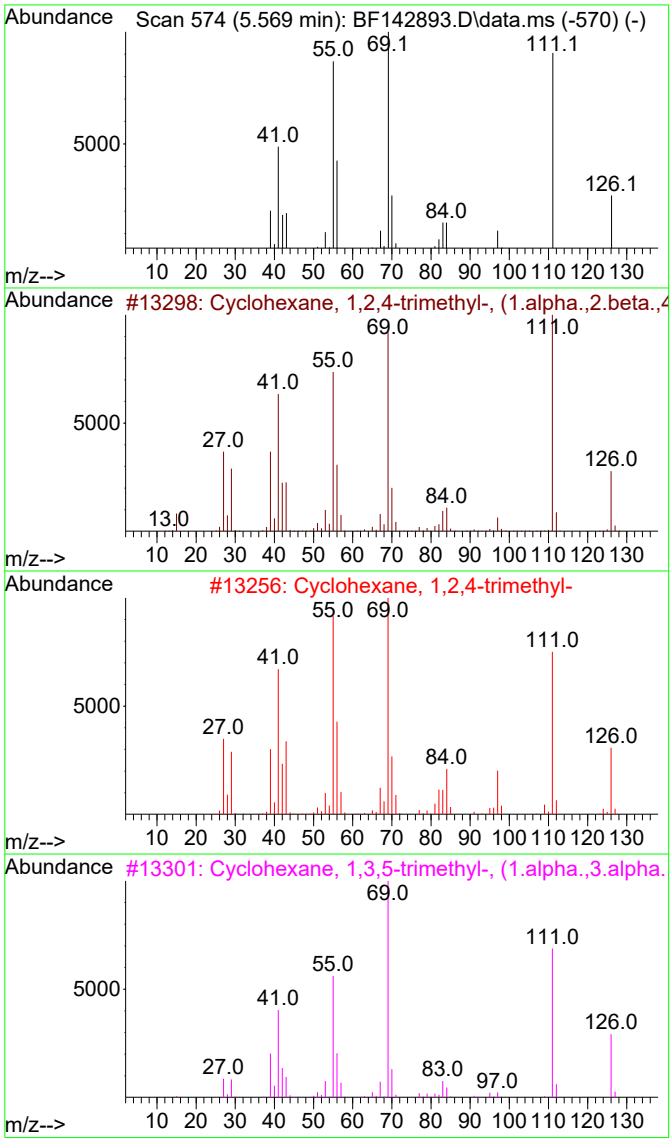
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

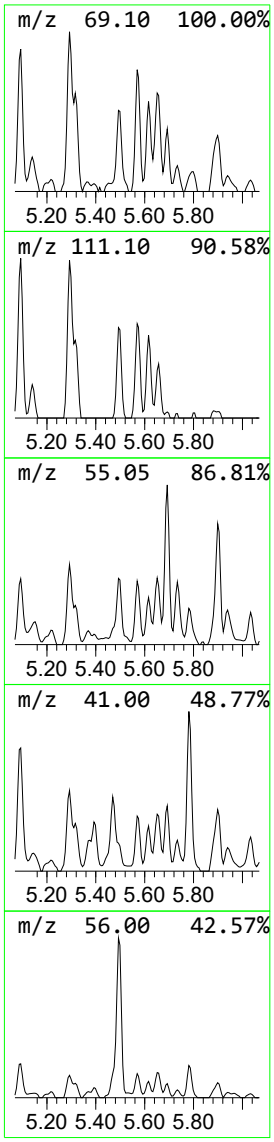
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.569	2.28 ng	43534	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	86
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	64
4	cis-3-Nonene	126	C9H18	020237-46-1	60
5	cis-4-Nonene	126	C9H18	010405-84-2	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

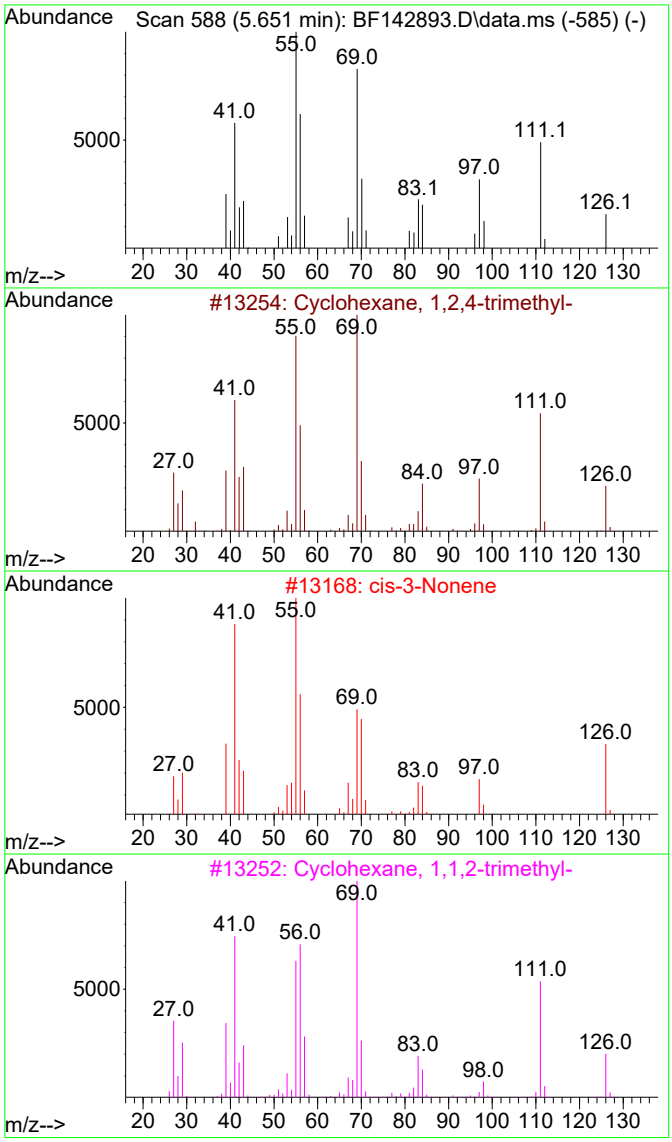
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

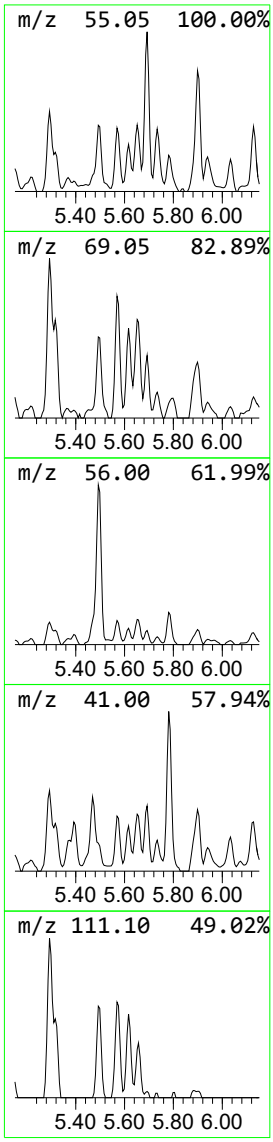
****

Peak Number 6 cis-3-Nonene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.651	2.36 ng	45155	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
2	cis-3-Nonene	126	C9H18	020237-46-1	76
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	72
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	64
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

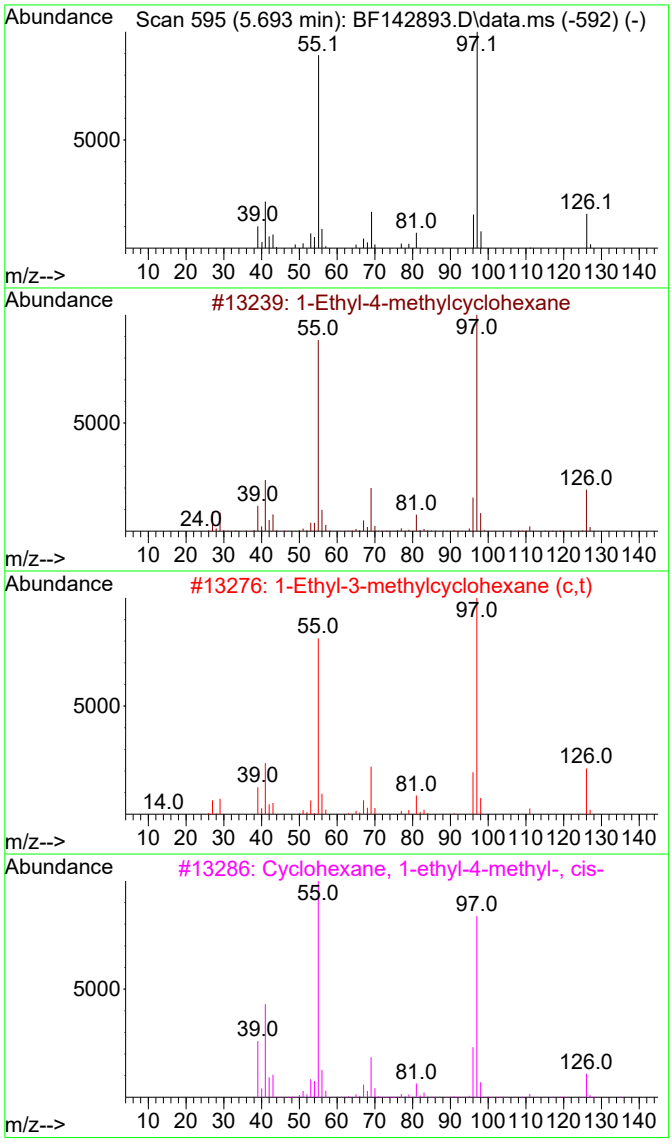
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

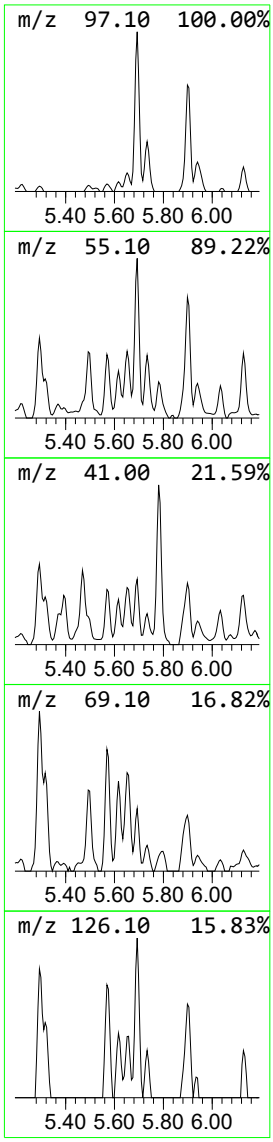
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Ethyl-4-methylcyclohexane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.693	2.68 ng	51323	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	87
4	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	78
5	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

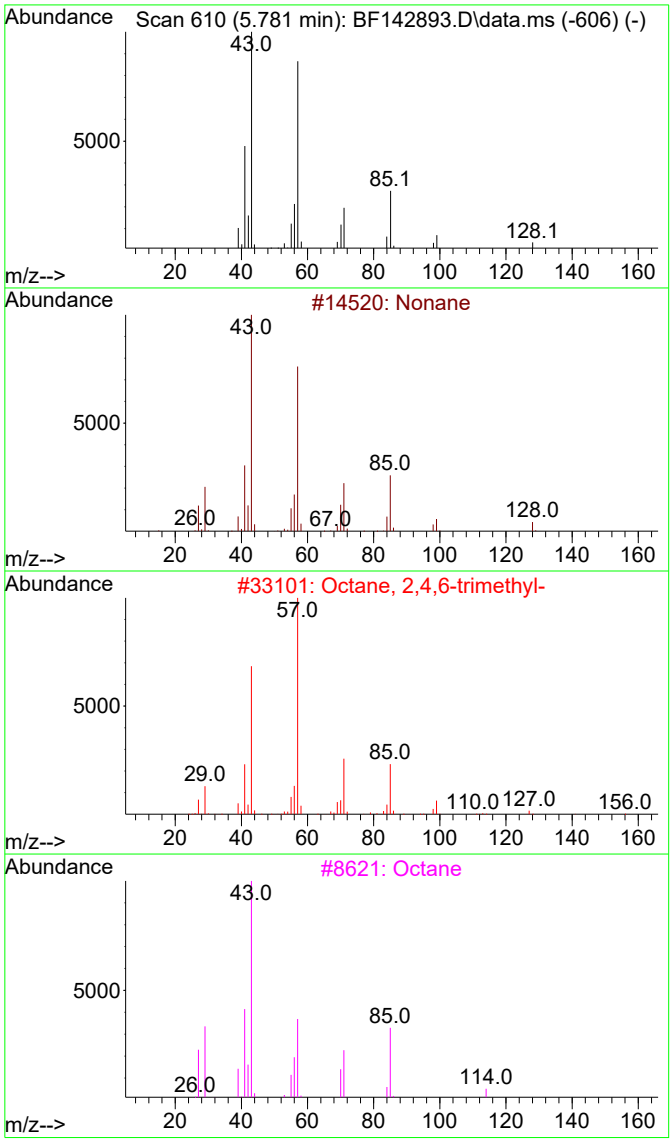
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

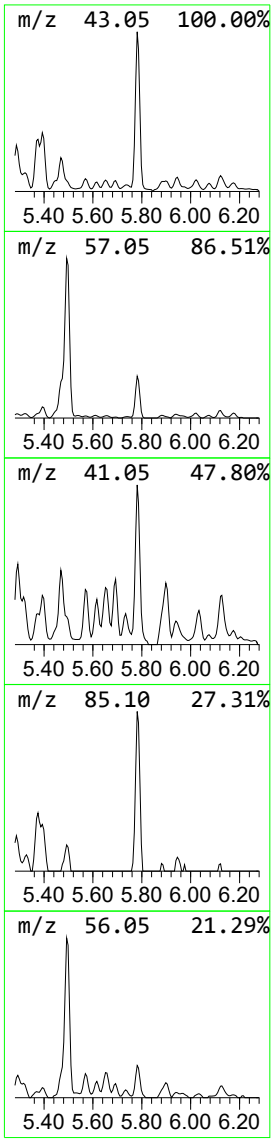
****

Peak Number 8 Nonane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.781	4.16 ng	79557	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	94
2	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	59
3	Octane	114	C8H18	000111-65-9	53
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	50
5	Hexane, 1-(hexyloxy)-4-methyl-	200	C13H28O	074421-20-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

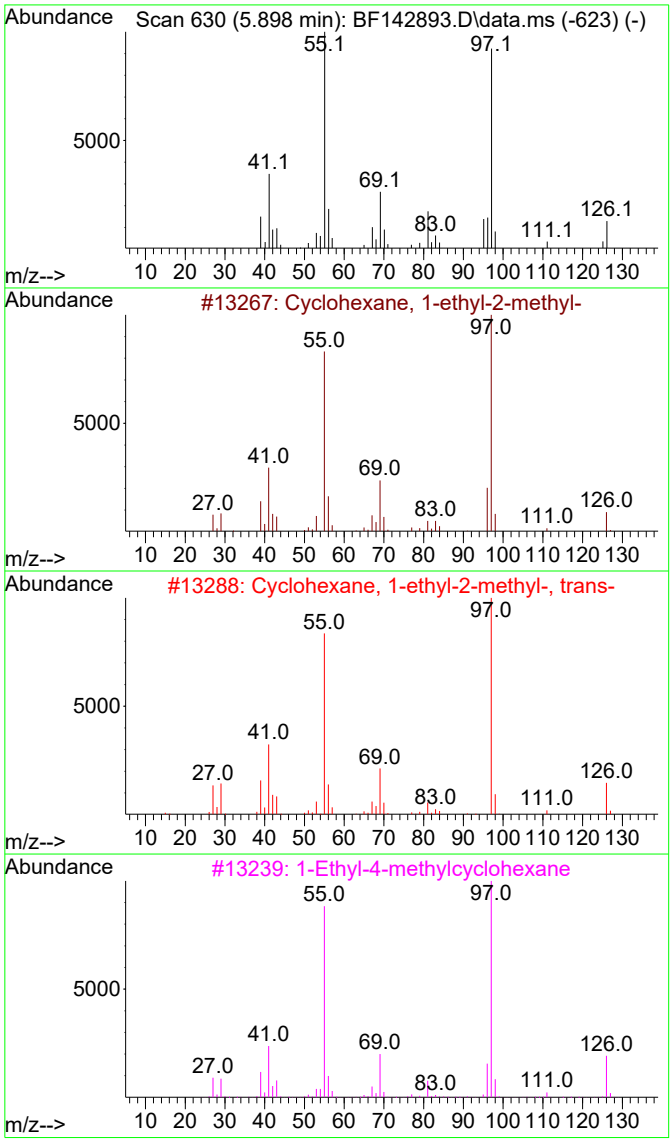
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

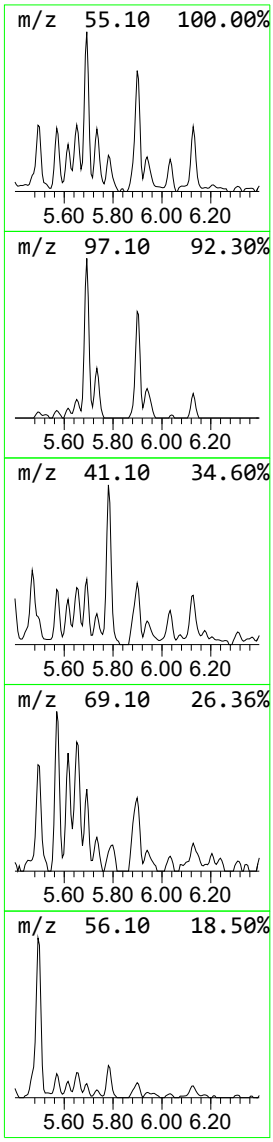
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.898	3.21 ng	61314	1,4-Dichlorobenzene-d4	6.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	81
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	81
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	72
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

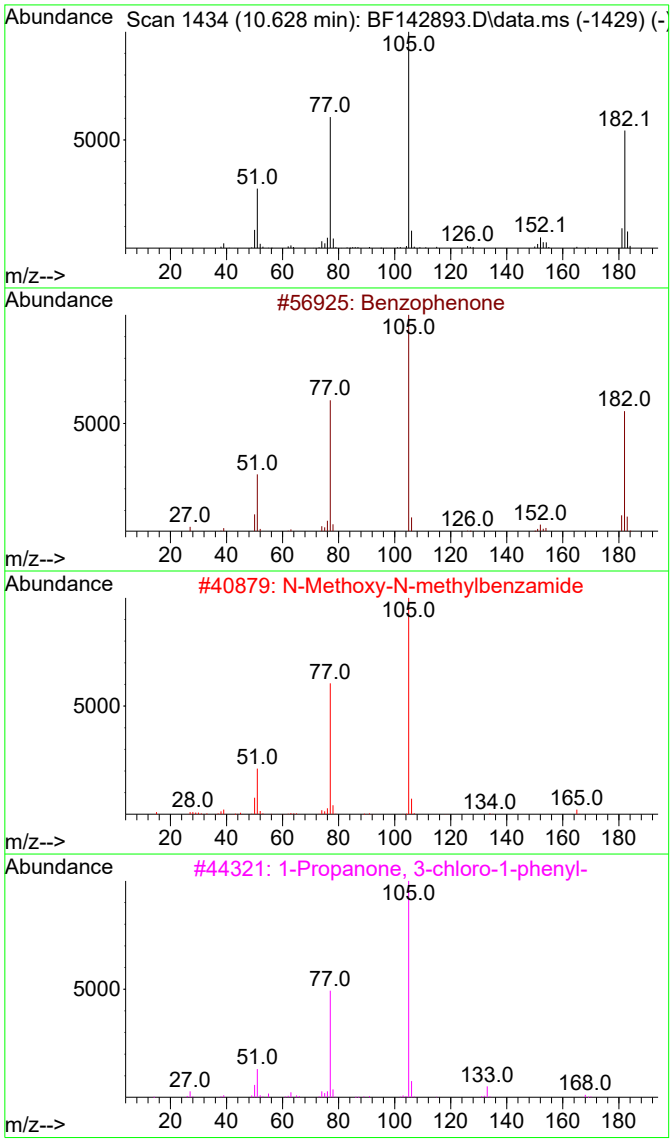
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

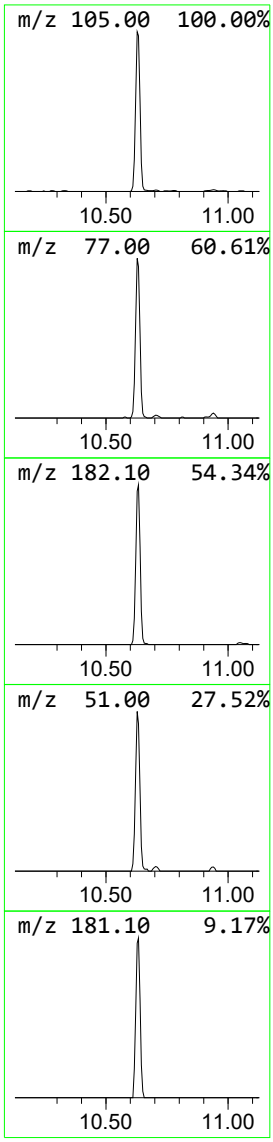
****

Peak Number 10 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	8.35 ng	188881	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	47
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4	N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
5	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

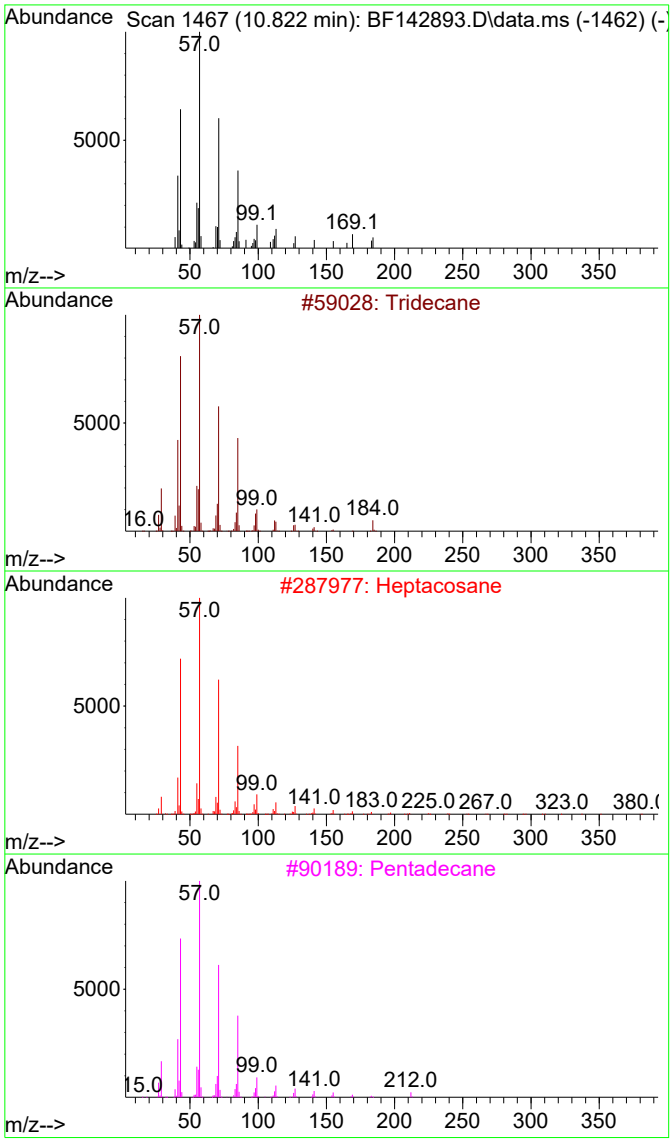
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

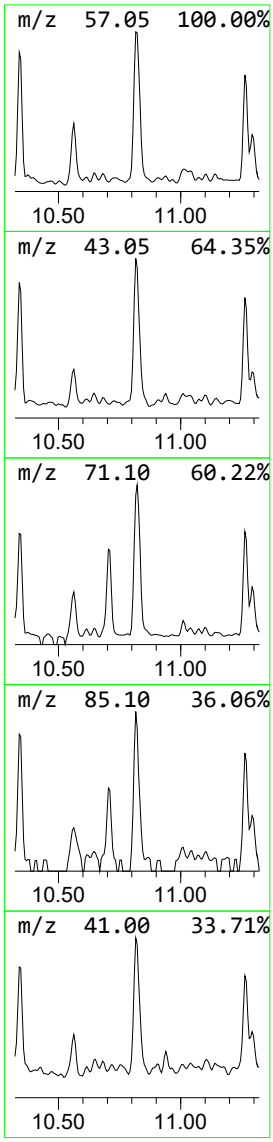
****

Peak Number 11 Tridecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	2.42 ng	51466	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptacosane	380	C27H56	000593-49-7	86
3	Pentadecane	212	C15H32	000629-62-9	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

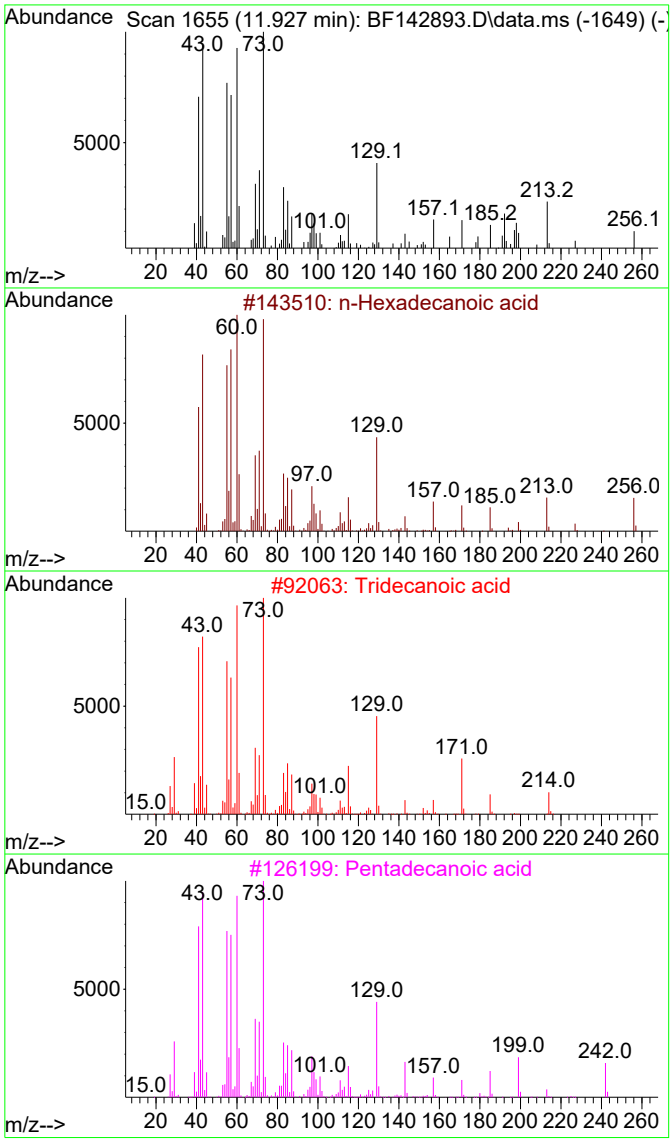
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

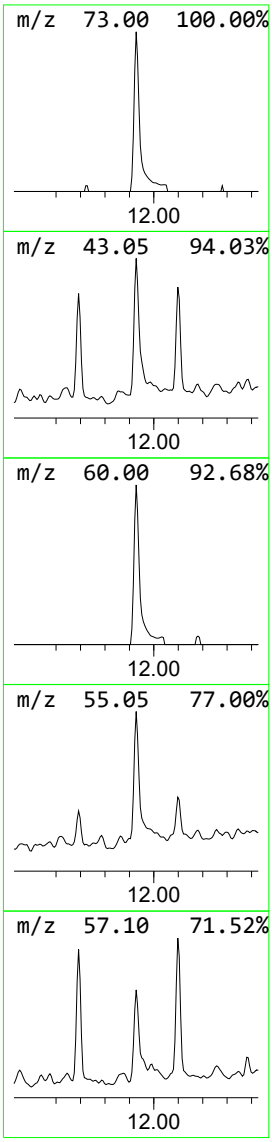
****

Peak Number 12 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	4.52 ng	96109	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

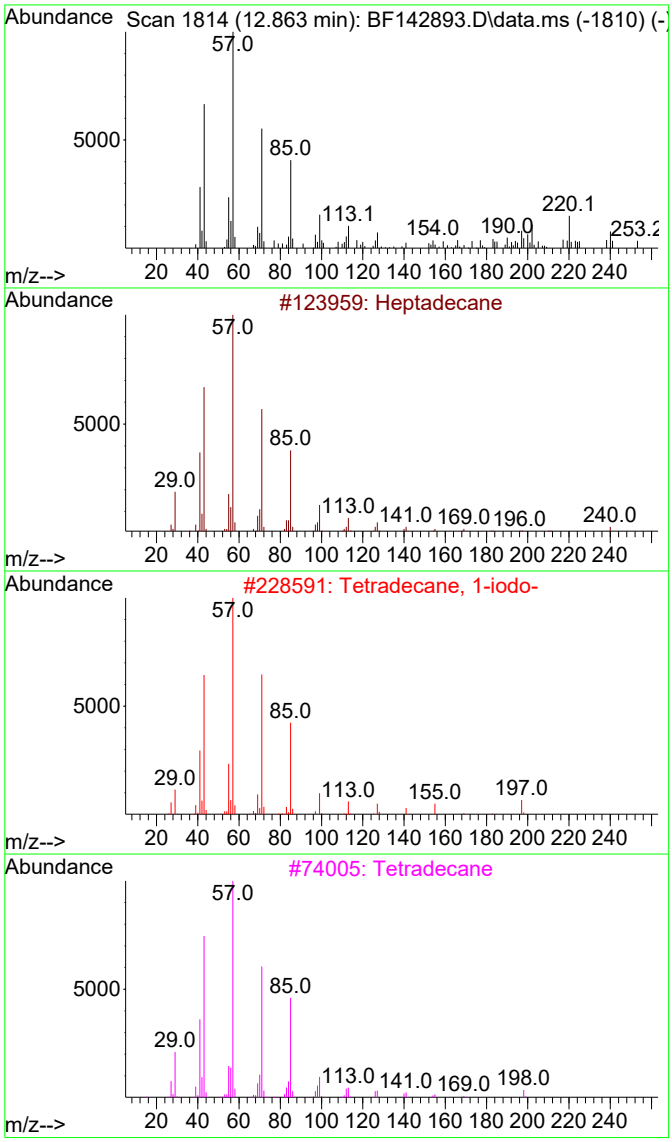
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

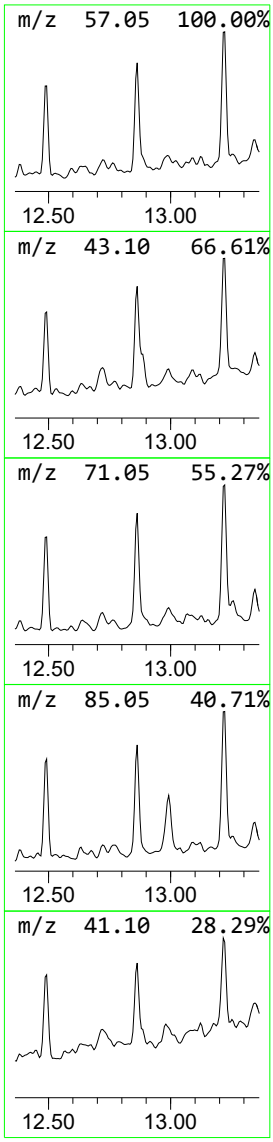
****

Peak Number 13 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.863	2.45 ng	53063	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	72
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	68
3	Tetradecane	198	C14H30	000629-59-4	68
4	Hexadecane	226	C16H34	000544-76-3	68
5	Nonadecane, 2-methyl-	282	C20H42	001560-86-7	64





Sample Results: **BF142893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

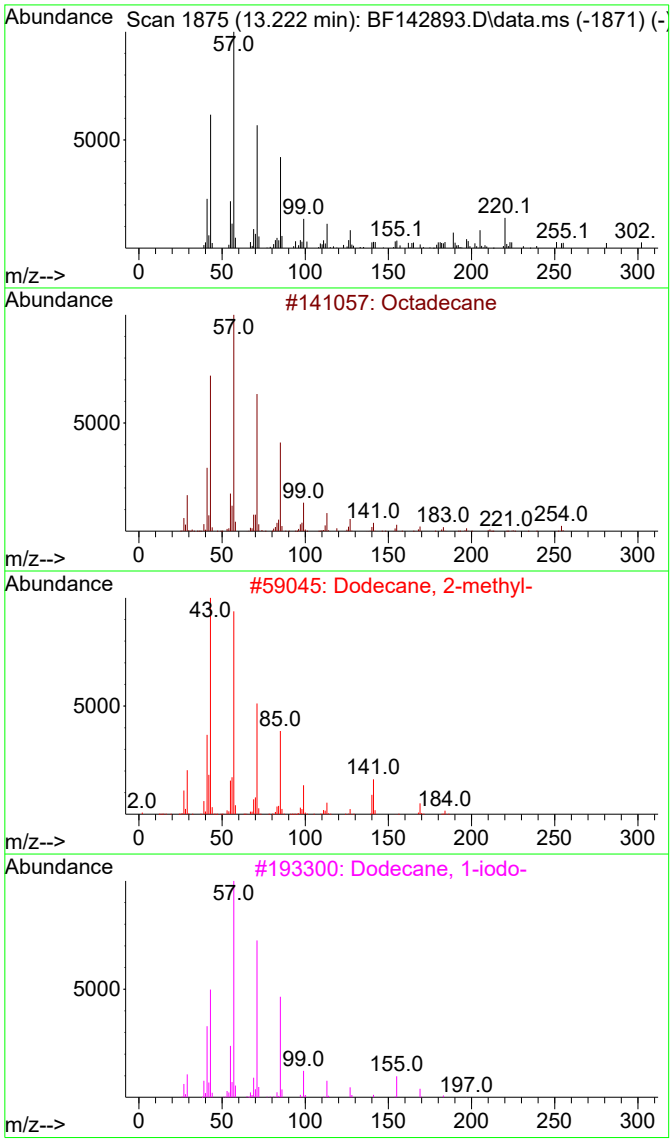
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

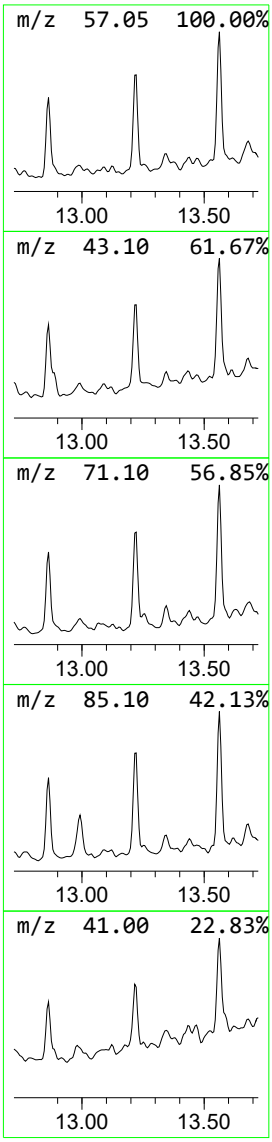
****

Peak Number 14 Octadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.222	2.17 ng	46995	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	72
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

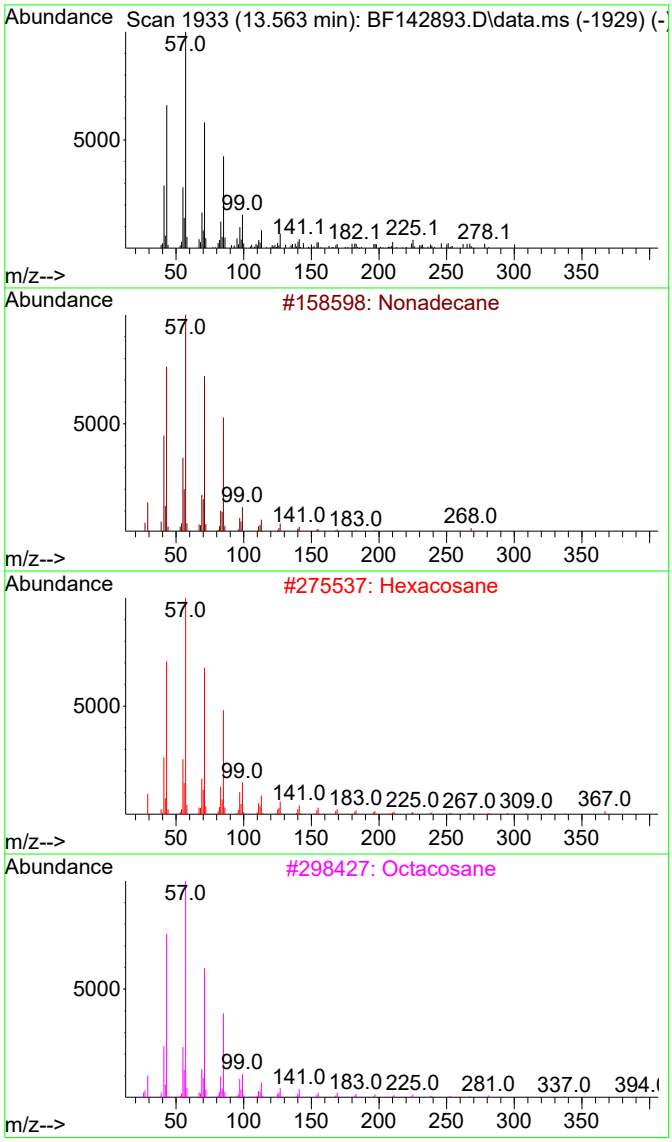
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

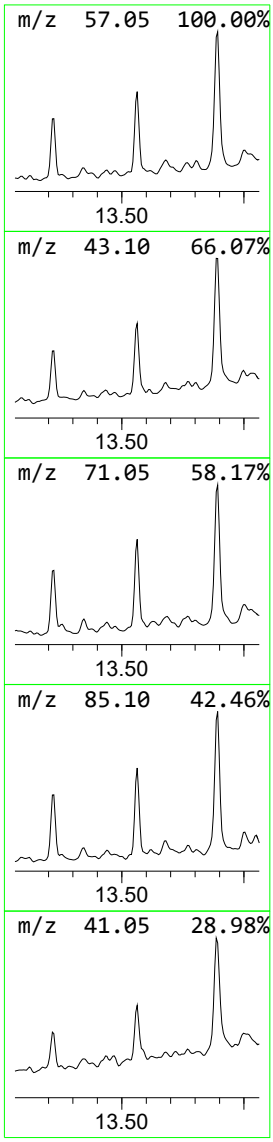
****

Peak Number 15 Nonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.563	3.25 ng	70214	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetracosane	338	C24H50	000646-31-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

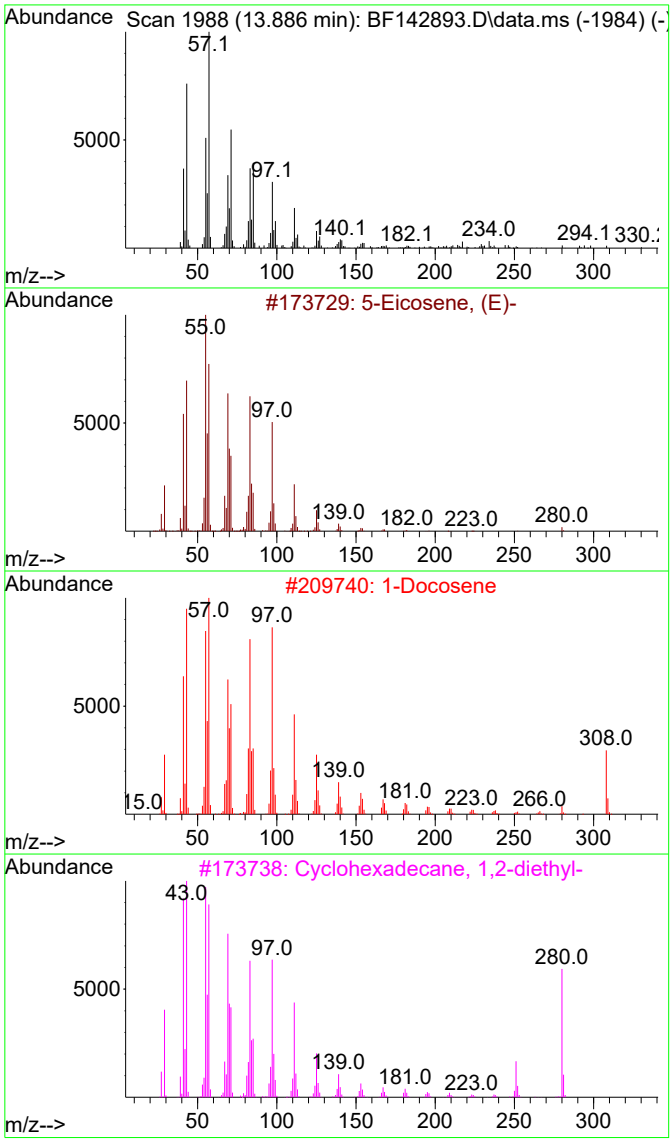
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

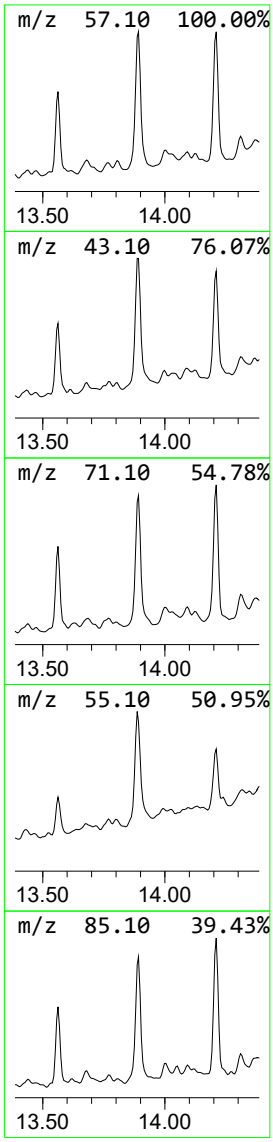
****

Peak Number 16 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	7.66 ng	165668	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	95
2	1-Docosene	308	C22H44	001599-67-3	91
3	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	91
4	1-Eicosene	280	C20H40	003452-07-1	91
5	Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

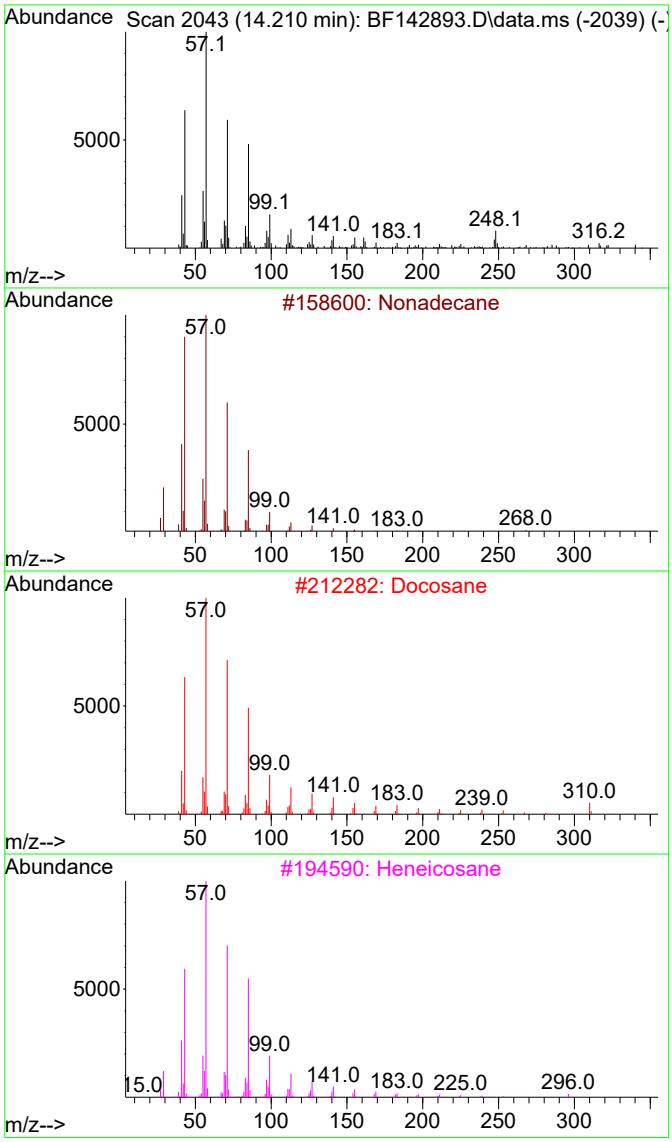
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

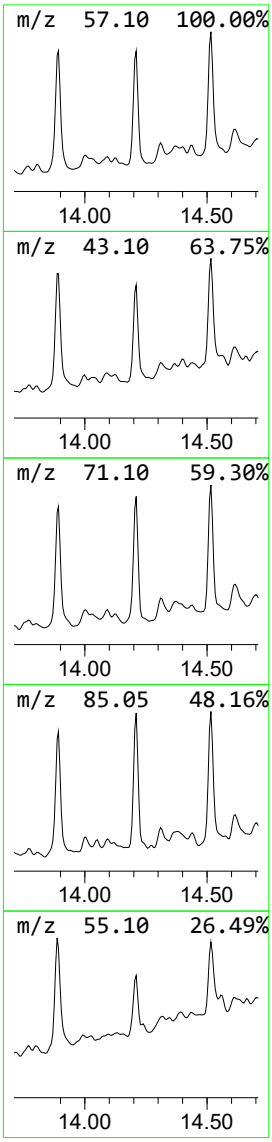
****

Peak Number 17 Docosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.210	5.28 ng	114183	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	95
2	Docosane	310	C22H46	000629-97-0	95
3	Heneicosane	296	C21H44	000629-94-7	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Pentacosane	352	C25H52	000629-99-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

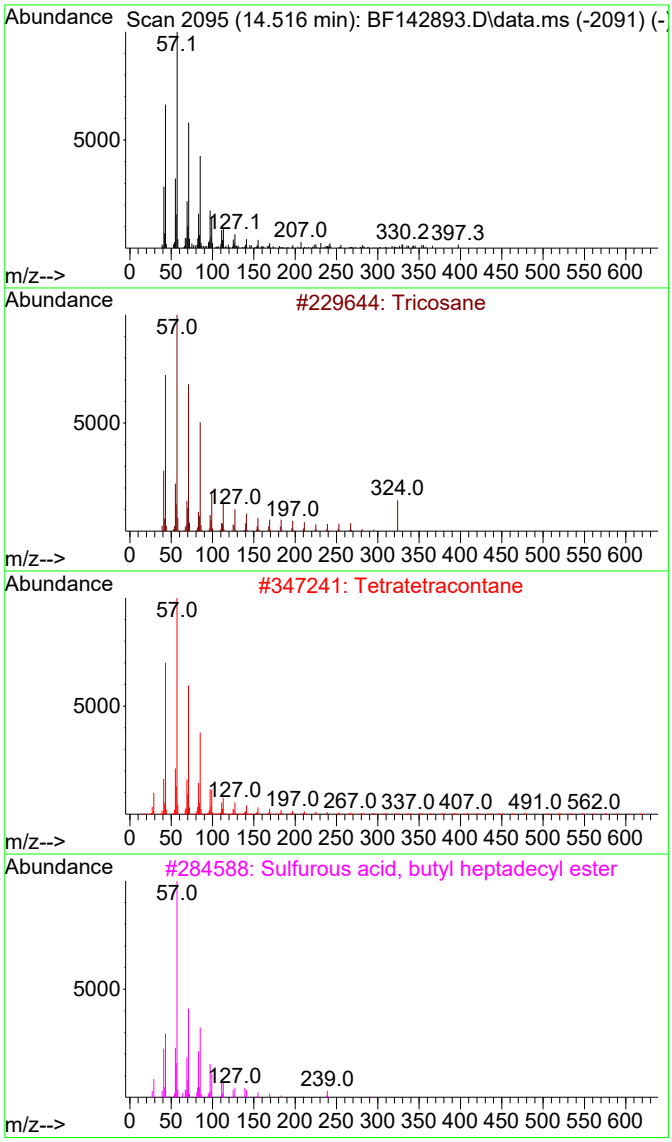
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

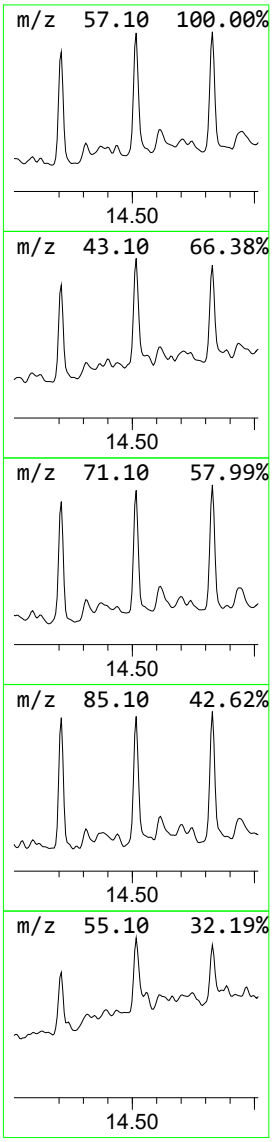
****

Peak Number 18 Tricosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.516	6.04 ng	130601	Chrysene-d12	14.057

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	94
2	Tetratetracontane	619	C44H90	007098-22-8	90
3	Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Tritetracontane	605	C43H88	007098-21-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

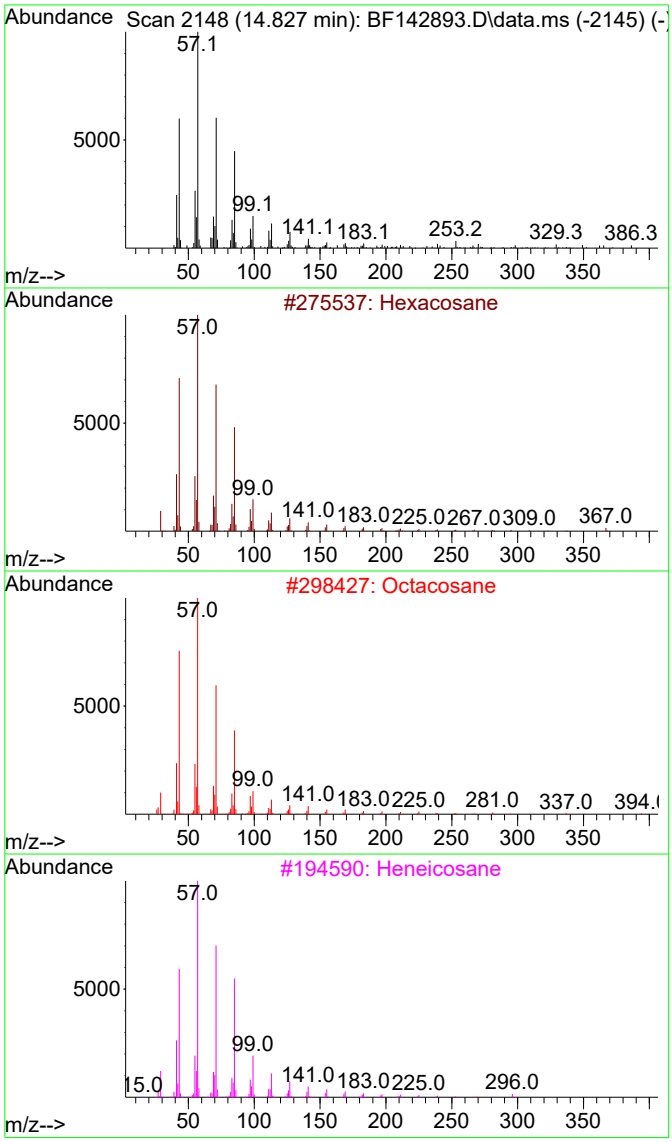
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

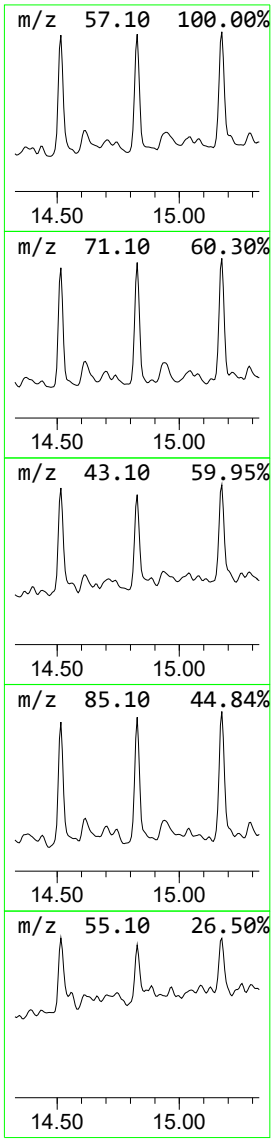
****

Peak Number 19 Hexacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.827	3.81 ng	75757	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	90
4	Docosane	310	C22H46	000629-97-0	87
5	Nonadecane	268	C19H40	000629-92-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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

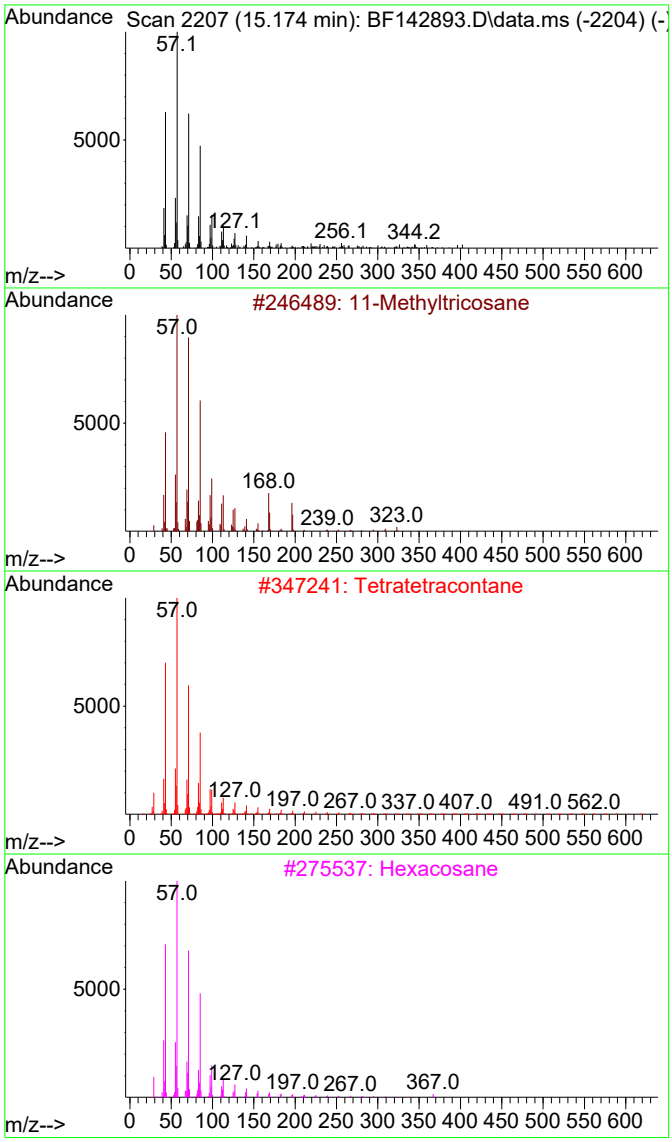
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

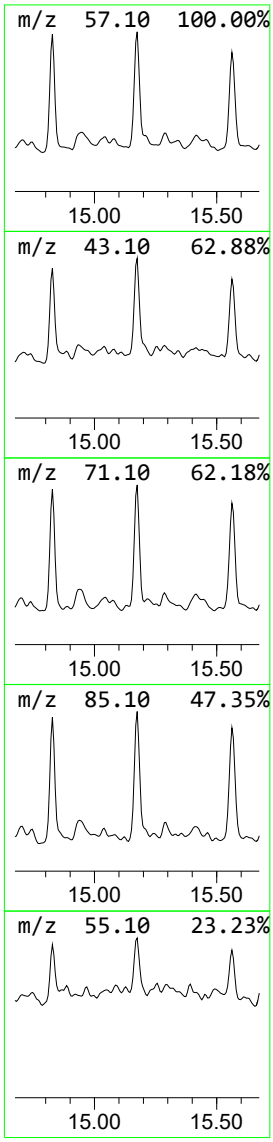
****

Peak Number 20 11-Methyltricosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	6.44 ng	128018	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Methyltricosane	338	C24H50	027538-41-6	91
2	Tetratetracontane	619	C44H90	007098-22-8	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
5	Tetracosane	338	C24H50	000646-31-1	90





Sample Results: **BF142893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142893.D
Acq On : 27 Jun 2025 15:15
Operator : RC/JU
Sample : Q2413-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-72

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
Cyclohexane, 1,...	4.534	2.0	ng	38975	1	6.875	382520	20.0
Cyclohexane, 1,...	5.010	3.8	ng	72630	1	6.875	382520	20.0
2-Pentanone, 4-...	5.093	8.6	ng	164656	1	6.875	382520	20.0
Cyclohexane, 1,...	5.293	3.5	ng	66568	1	6.875	382520	20.0
Cyclohexane, 1,...	5.569	2.3	ng	43534	1	6.875	382520	20.0
cis-3-Nonene	5.651	2.4	ng	45155	1	6.875	382520	20.0
1-Ethyl-4-methy...	5.693	2.7	ng	51323	1	6.875	382520	20.0
Nonane	5.781	4.2	ng	79557	1	6.875	382520	20.0
Cyclohexane, 1-...	5.898	3.2	ng	61314	1	6.875	382520	20.0
Benzophenone	10.628	8.3	ng	188881	3	9.916	452350	20.0
Tridecane	10.822	2.4	ng	51466	4	11.410	425374	20.0
n-Hexadecanoic ...	11.928	4.5	ng	96109	4	11.410	425374	20.0
Heptadecane	12.863	2.5	ng	53063	5	14.057	432640	20.0
Octadecane	13.222	2.2	ng	46995	5	14.057	432640	20.0
Nonadecane	13.563	3.3	ng	70214	5	14.057	432640	20.0
5-Eicosene, (E)-	13.886	7.7	ng	165668	5	14.057	432640	20.0
Docosane	14.210	5.3	ng	114183	5	14.057	432640	20.0
Tricosane	14.516	6.0	ng	130601	5	14.057	432640	20.0
Hexacosane	14.827	3.8	ng	75757	6	15.551	397597	20.0
11-Methyltricosane	15.174	6.4	ng	128018	6	15.551	397597	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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

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.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 05:06:14 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142788.D 5 =BF142789.D 10 =BF142790.D 20 =BF142791.D 40 =BF142792.D 50 =BF142793.D 60 =BF142794.D 80 =BF1427
95.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.479	0.499	0.471	0.461	0.509	0.479	0.467	0.480	3.60
3)		Pyridine		1.190	1.195	1.190	1.164	1.303	1.209	1.181	1.205	3.78
4)		n-Nitrosodimet...			0.610	0.617	0.596	0.668	0.632	0.614	0.623	3.98
5)	S	2-Fluorophenol		2.475	2.460	2.460	2.299	2.525	2.342	2.256	2.403	4.26
6)		Aniline		1.951	1.944	1.891	1.818	1.982	1.869	1.746	1.886	4.41
7)	S	Phenol-d6		3.024	2.962	2.846	2.681	2.959	2.760	2.610	2.834	5.53
8)		2-Chlorophenol		1.362	1.303	1.292	1.245	1.366	1.272	1.231	1.296	4.08
9)		Benzaldehyde			0.988	0.943	0.757	0.832	0.684		0.841	15.02
10)	C	Phenol		1.648	1.653	1.591	1.516	1.651	1.530	1.437	1.575	5.31
11)		bis(2-Chloroet...		1.167	1.133	1.134	1.072	1.183	1.116	1.077	1.126	3.71
12)		1,3-Dichlorobe...		1.536	1.499	1.470	1.377	1.500	1.414	1.348	1.449	4.85
13)	C	1,4-Dichlorobe...		1.563	1.496	1.472	1.409	1.523	1.425	1.347	1.462	5.04
14)		1,2-Dichlorobe...		1.458	1.422	1.409	1.331	1.451	1.353	1.284	1.387	4.72
15)		Benzyl Alcohol			1.023	1.025	0.976	1.106	1.032	0.985	1.025	4.51
16)		2,2'-oxybis(1-...		1.975	1.869	1.815	1.723	1.879	1.758	1.644	1.809	6.12
17)		2-Methylphenol		1.015	0.997	0.980	0.938	1.043	0.972	0.929	0.982	4.13
18)		Hexachloroethane		0.533	0.521	0.507	0.499	0.539	0.498	0.484	0.511	3.89
19)	P	n-Nitroso-di-n...	0.831	0.879	0.840	0.833	0.787	0.847	0.812	0.766	0.824	4.30
20)		3+4-Methylphenols			1.292	1.262	1.176	1.312	1.197	1.108	1.224	6.36
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.464	0.451	0.459	0.418	0.461	0.428	0.406	0.441	5.28
23)	S	Nitrobenzene-d5		0.738	0.724	0.747	0.708	0.771	0.724	0.694	0.729	3.48
24)		Nitrobenzene		0.345	0.325	0.332	0.319	0.349	0.326	0.314	0.330	3.88
25)		Isophorone		0.611	0.582	0.592	0.555	0.616	0.584	0.554	0.585	4.17
26)	C	2-Nitrophenol		0.169	0.172	0.182	0.178	0.194	0.186	0.176	0.180	4.85
27)		2,4-Dimethylph...		0.322	0.310	0.318	0.300	0.329	0.307	0.294	0.311	3.99
28)		bis(2-Chloroet...		0.386	0.373	0.383	0.355	0.390	0.366	0.351	0.372	4.09
29)	C	2,4-Dichloroph...		0.291	0.280	0.290	0.273	0.298	0.277	0.268	0.282	3.77
30)		1,2,4-Trichlor...		0.324	0.316	0.318	0.299	0.324	0.301	0.292	0.310	4.26
31)		Naphthalene		1.051	1.002	1.004	0.934	1.017	0.943	0.902	0.979	5.46
32)		Benzoic acid			0.118	0.147	0.157	0.181	0.180	0.169	0.159	15.08
33)		4-Chloroaniline		0.414	0.408	0.409	0.379	0.421	0.393	0.363	0.398	5.26
34)	C	Hexachlorobuta...		0.195	0.188	0.198	0.184	0.200	0.184	0.179	0.190	4.30
35)		Caprolactam			0.073	0.075	0.072	0.081	0.078	0.069	0.075	5.84
36)	C	4-Chloro-3-met...		0.300	0.275	0.286	0.269	0.298	0.278	0.260	0.281	5.24
37)		2-Methylnaphth...		0.655	0.621	0.629	0.579	0.631	0.583	0.550	0.607	6.12
38)		1-Methylnaphth...		0.684	0.645	0.650	0.598	0.654	0.604	0.563	0.628	6.56

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.626	0.609	0.602	0.557	0.598	0.577	0.563	0.590	4.27
41)	P	Hexachlorocycl...		0.235	0.308	0.336	0.365	0.376	0.389	0.335	17.02
42)	S	2,4,6-Tribromo...	0.415	0.414	0.428	0.400	0.438	0.411	0.374	0.412	4.96
43)	C	2,4,6-Trichlor...	0.385	0.380	0.394	0.365	0.408	0.389	0.371	0.385	3.71
44)		2,4,5-Trichlor...	0.407	0.403	0.421	0.391	0.416	0.407	0.388	0.405	2.95
45)	S	2-Fluorobiphenyl	3.480	3.272	3.184	2.861	2.999	2.816	2.702	3.045	9.15
46)		1,1'-Biphenyl	1.701	1.616	1.637	1.505	1.609	1.525	1.466	1.580	5.27
47)		2-Chloronaphth...	1.300	1.202	1.208	1.129	1.209	1.145	1.106	1.186	5.50
48)		2-Nitroaniline	0.321	0.329	0.337	0.324	0.358	0.337	0.320	0.332	3.93
49)		Acenaphthylene	2.110	2.006	2.011	1.861	1.995	1.891	1.787	1.952	5.64
50)		Dimethylphthalate	1.372	1.334	1.330	1.228	1.335	1.277	1.186	1.295	5.17
51)		2,6-Dinitrotol...	0.297	0.279	0.290	0.277	0.294	0.284	0.268	0.284	3.57
52)	C	Acenaphthene	1.247	1.199	1.241	1.142	1.228	1.172	1.107	1.191	4.44
53)		3-Nitroaniline	0.311	0.311	0.316	0.302	0.338	0.320	0.292	0.313	4.52
54)	P	2,4-Dinitrophenol		0.095	0.129	0.142	0.173	0.163	0.152	0.142	19.61
55)		Dibenzofuran	1.844	1.772	1.763	1.626	1.752	1.660	1.537	1.708	6.13
56)	P	4-Nitrophenol		0.189	0.218	0.208	0.238	0.229	0.203	0.214	8.25
57)		2,4-Dinitrotol...	0.373	0.378	0.397	0.367	0.407	0.383	0.338	0.378	5.90
58)		Fluorene	1.464	1.412	1.395	1.260	1.362	1.260	1.183	1.334	7.58
59)		2,3,4,6-Tetrac...	0.327	0.327	0.339	0.312	0.345	0.331	0.304	0.326	4.43
60)		Diethylphthalate	1.328	1.302	1.319	1.211	1.318	1.266	1.141	1.269	5.50
61)		4-Chlorophenyl...	0.713	0.656	0.669	0.599	0.640	0.609	0.568	0.636	7.64
62)		4-Nitroaniline	0.279	0.276	0.297	0.272	0.316	0.300	0.264	0.286	6.48
63)		Azobenzene	1.215	1.149	1.167	1.081	1.176	1.122	1.032	1.134	5.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.099	0.119	0.119	0.134	0.130	0.125	0.121	10.04
66)	c	n-Nitrosodiphe...	0.736	0.686	0.710	0.670	0.717	0.671	0.662	0.693	4.07
67)		4-Bromophenyl-...	0.231	0.221	0.235	0.218	0.236	0.228	0.225	0.228	3.03
68)		Hexachlorobenzene	0.263	0.248	0.257	0.241	0.262	0.252	0.247	0.253	3.29
69)		Atrazine	0.176	0.172	0.180	0.174	0.195	0.183	0.174	0.179	4.48
70)	C	Pentachlorophenol		0.102	0.119	0.125	0.142	0.135	0.133	0.126	11.30
71)		Phenanthrene	1.183	1.113	1.115	1.031	1.122	1.028	0.992	1.083	6.24
72)		Anthracene	1.226	1.123	1.149	1.064	1.140	1.065	1.011	1.111	6.35
73)		Carbazole	1.040	0.986	0.999	0.900	1.002	0.920	0.866	0.959	6.67
74)		Di-n-butylphth...	0.997	1.006	1.045	0.946	1.073	0.989	0.936	0.999	4.92
75)	C	Fluoranthene	1.136	1.088	1.090	0.954	1.059	0.972	0.899	1.028	8.44
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.745	0.860	0.773	0.824	0.719	0.587	0.751	12.71
78)		Pyrene	2.110	1.940	1.968	1.742	2.030	1.863	1.468	1.875	11.43
79)	S	Terphenyl-d14	3.383	3.111	3.066	2.655	3.070	2.772	2.208	2.895	13.30
80)		Butylbenzylpht...	0.478	0.470	0.538	0.547	0.613	0.597	0.563	0.544	10.01
81)		Benzo(a)anthra...	1.392	1.358	1.366	1.265	1.403	1.376	1.284	1.349	3.98
82)		3,3'-Dichlorob...		0.398	0.440	0.429	0.476	0.445	0.438	0.438	5.73
83)		Chrysene	1.243	1.191	1.208	1.164	1.295	1.177	1.150	1.204	4.17
84)		Bis(2-ethylhex...	0.650	0.675	0.767	0.803	0.861	0.843	0.878	0.782	11.52
85)	c	Di-n-octyl pht...		1.207	1.352	1.463	1.610	1.569	1.651	1.475	11.54

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF061925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.528	1.488	1.545	1.474	1.648	1.539	1.442	1.523	4.38
88)		Benzo(b)fluora...	1.164	1.220	1.226	1.072	1.152	1.197	1.070	1.157	5.61
89)		Benzo(k)fluora...	1.206	1.004	1.035	1.037	1.193	1.038	1.068	1.083	7.55
90)	C	Benzo(a)pyrene	1.142	1.065	1.124	1.069	1.201	1.141	1.084	1.118	4.37
91)		Dibenzo(a,h)an...	1.249	1.214	1.293	1.180	1.337	1.240	1.152	1.238	5.13
92)		Benzo(g,h,i)pe...	1.239	1.198	1.266	1.188	1.332	1.255	1.161	1.234	4.66

(#) = Out of Range

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

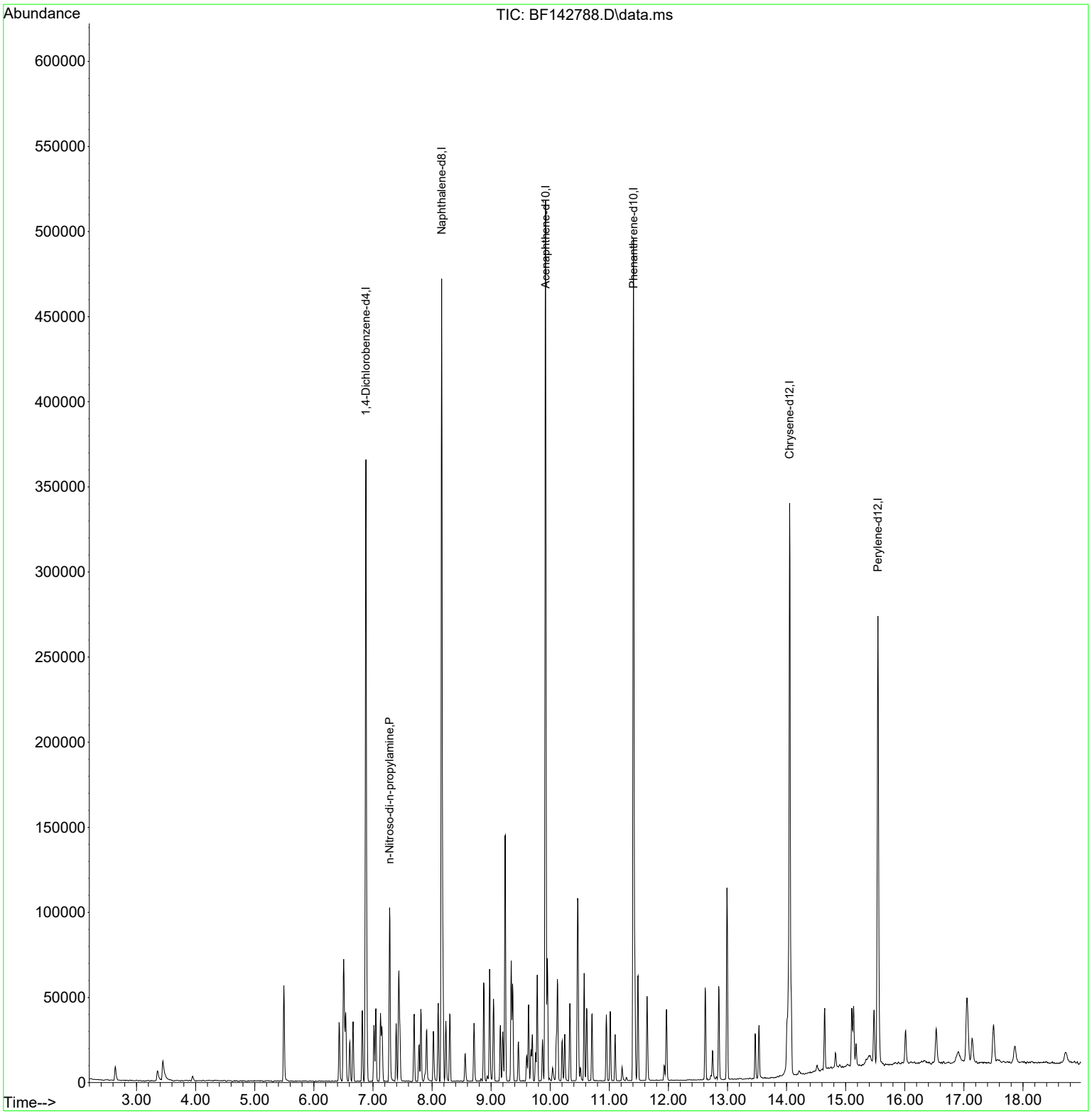
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

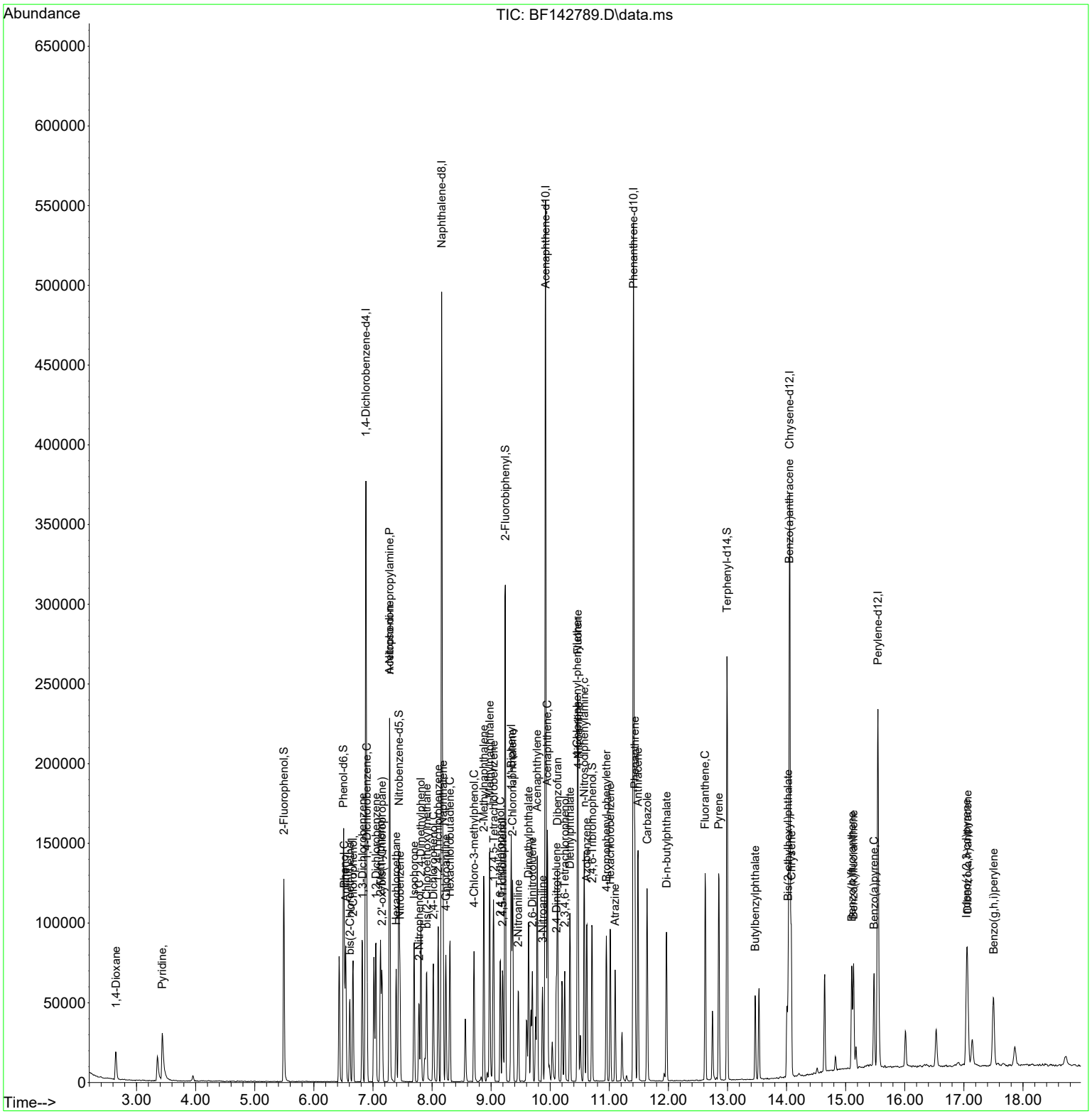
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	50726	5.230	ng		97
53) 3-Nitroaniline	9.869	138	12667	4.984	ng		99
55) Dibenzofuran	10.122	168	74998	5.420	ng		99
57) 2,4-Dinitrotoluene	10.104	165	15173	4.904	ng		96
58) Fluorene	10.469	166	59558	5.453	ng		100
59) 2,3,4,6-Tetrachlorophenol	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

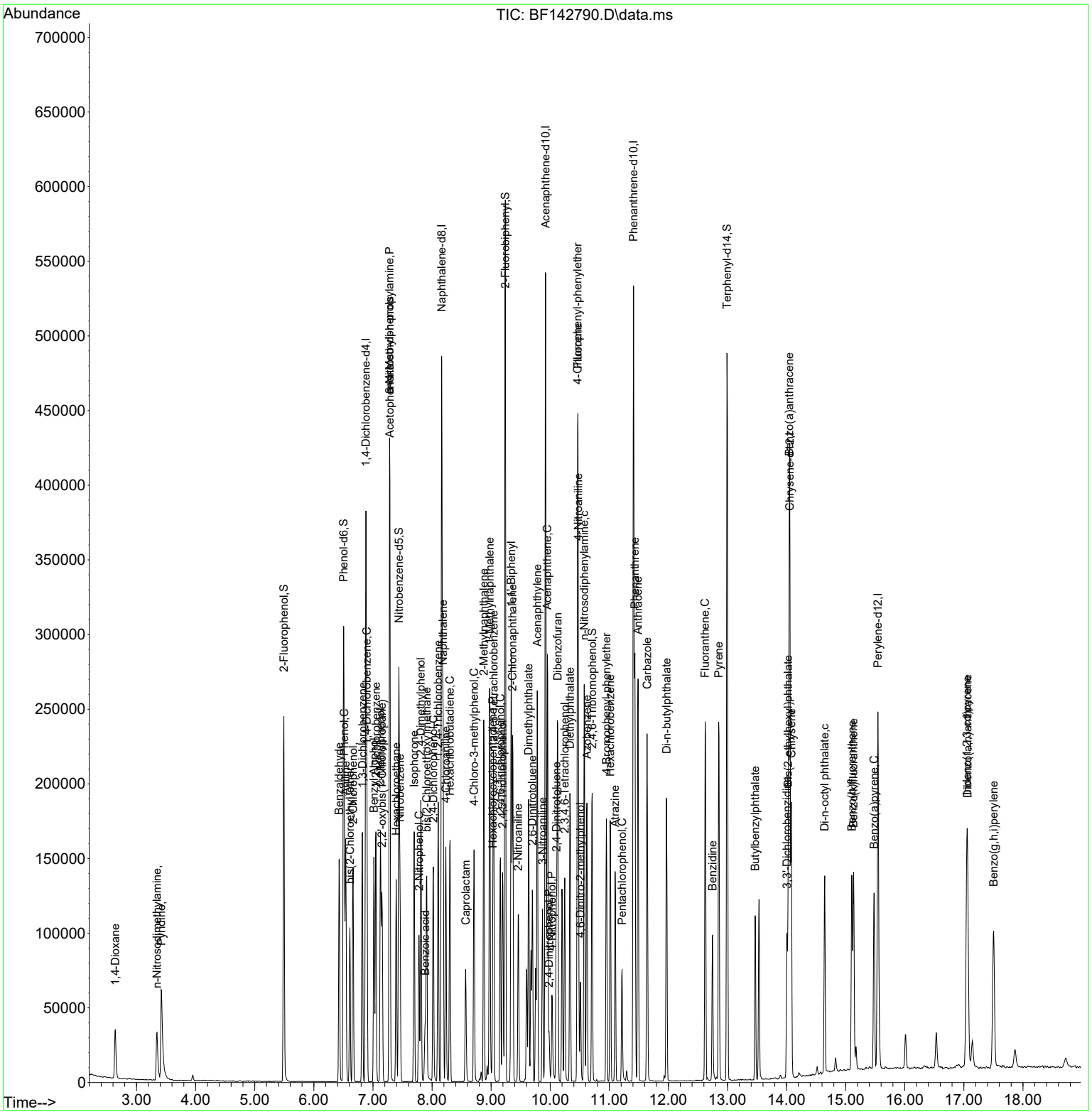
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	31900	9.987	ng	99
46) 1,1'-Biphenyl	9.339	154	127911	10.404	ng	98
47) 2-Chloronaphthalene	9.363	162	95194	10.493	ng	100
48) 2-Nitroaniline	9.457	65	26075	10.117	ng	98
49) Acenaphthylene	9.781	152	158842	10.415	ng	99
50) 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

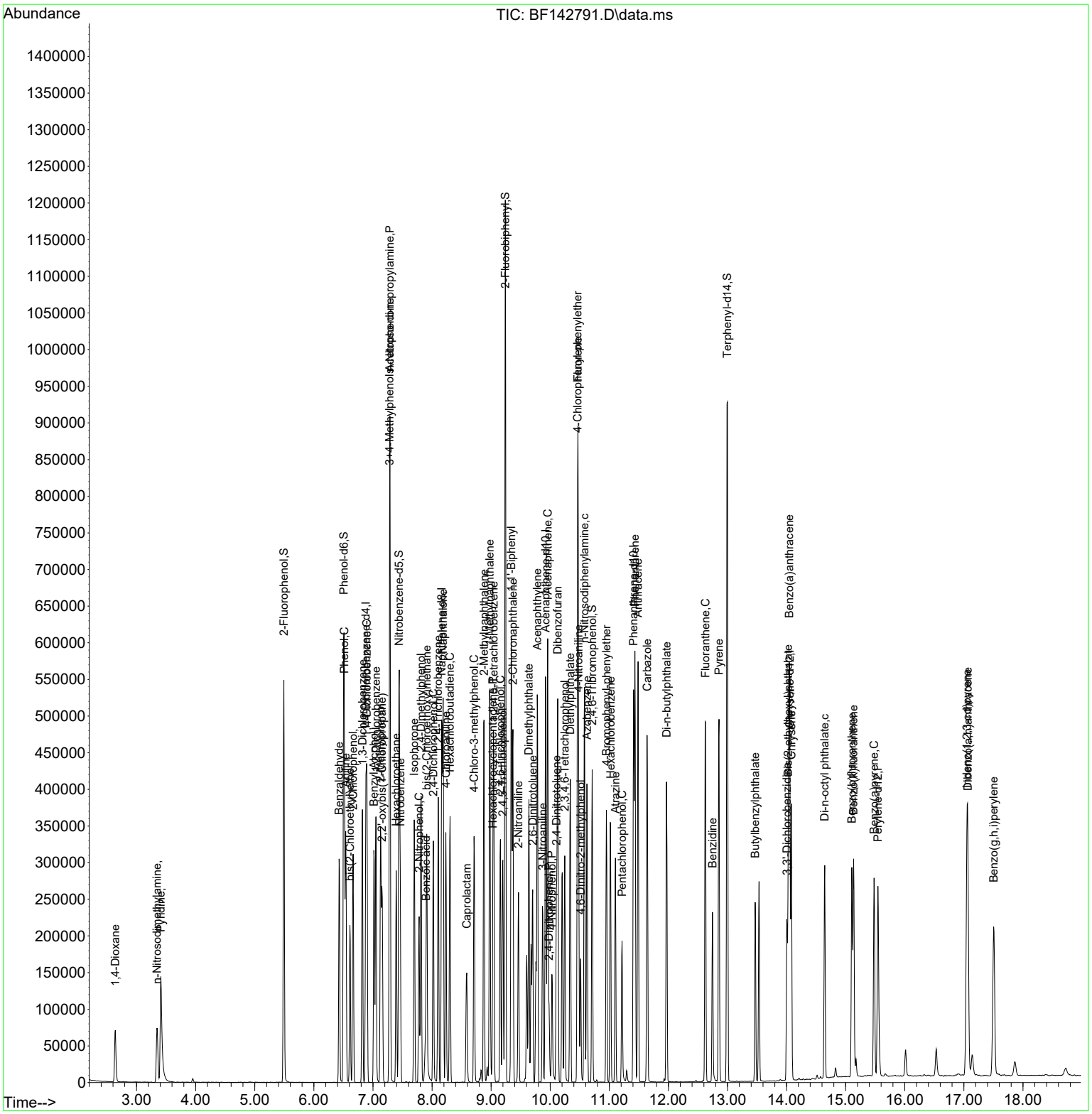
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	69275	20.862	ng	98
46) 1,1'-Biphenyl	9.340	154	269396	21.078	ng	100
47) 2-Chloronaphthalene	9.369	162	198874	21.087	ng	99
48) 2-Nitroaniline	9.463	65	55412	20.681	ng	96
49) Acenaphthylene	9.781	152	331018	20.878	ng	99
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



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 : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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 : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

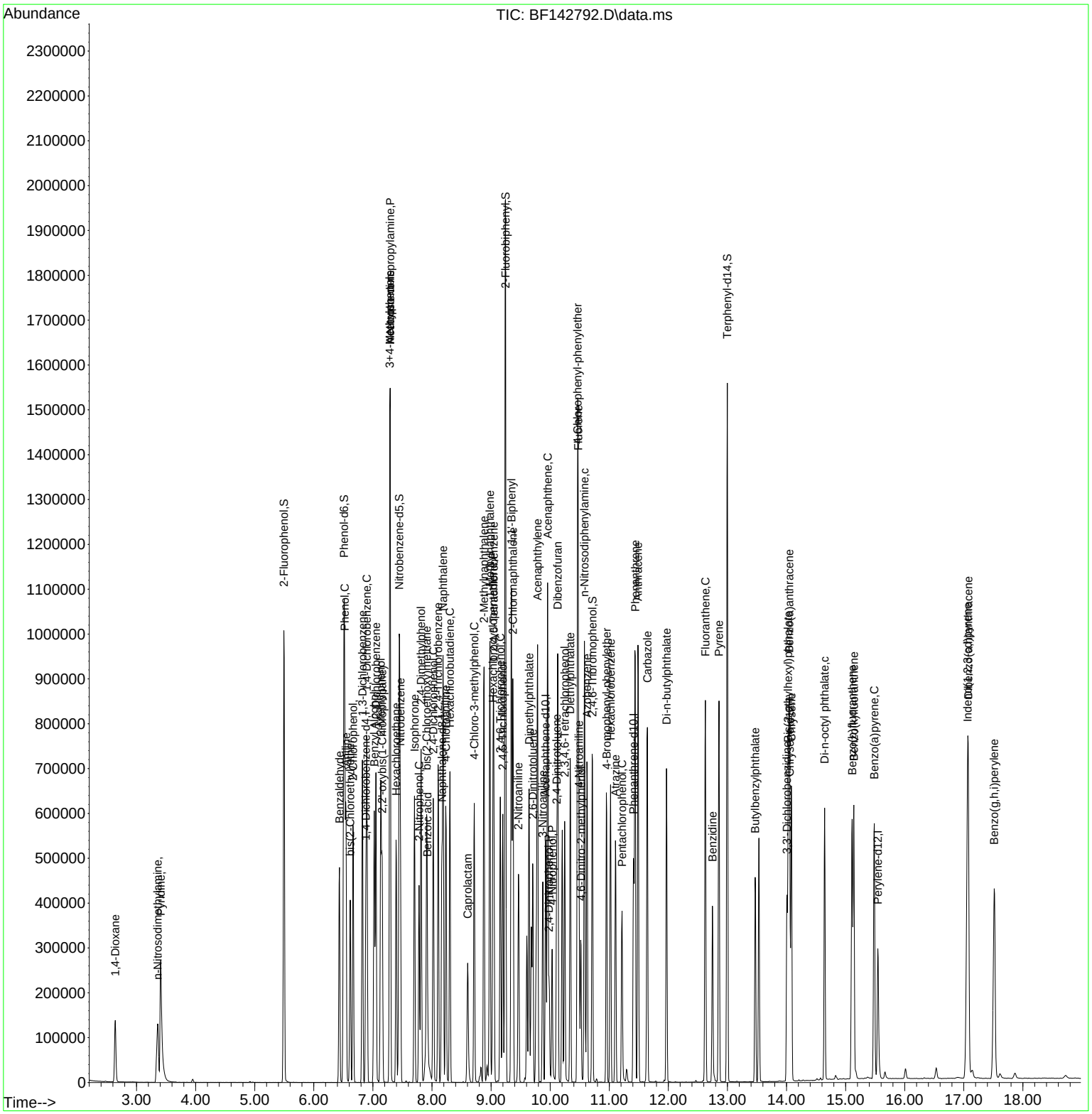
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	126712	38.774	ng	100
46) 1,1'-Biphenyl	9.345	154	487587	38.765	ng	100
47) 2-Chloronaphthalene	9.369	162	365760	39.408	ng	100
48) 2-Nitroaniline	9.463	65	105098	39.858	ng	100
49) Acenaphthylene	9.786	152	603057	38.649	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 : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

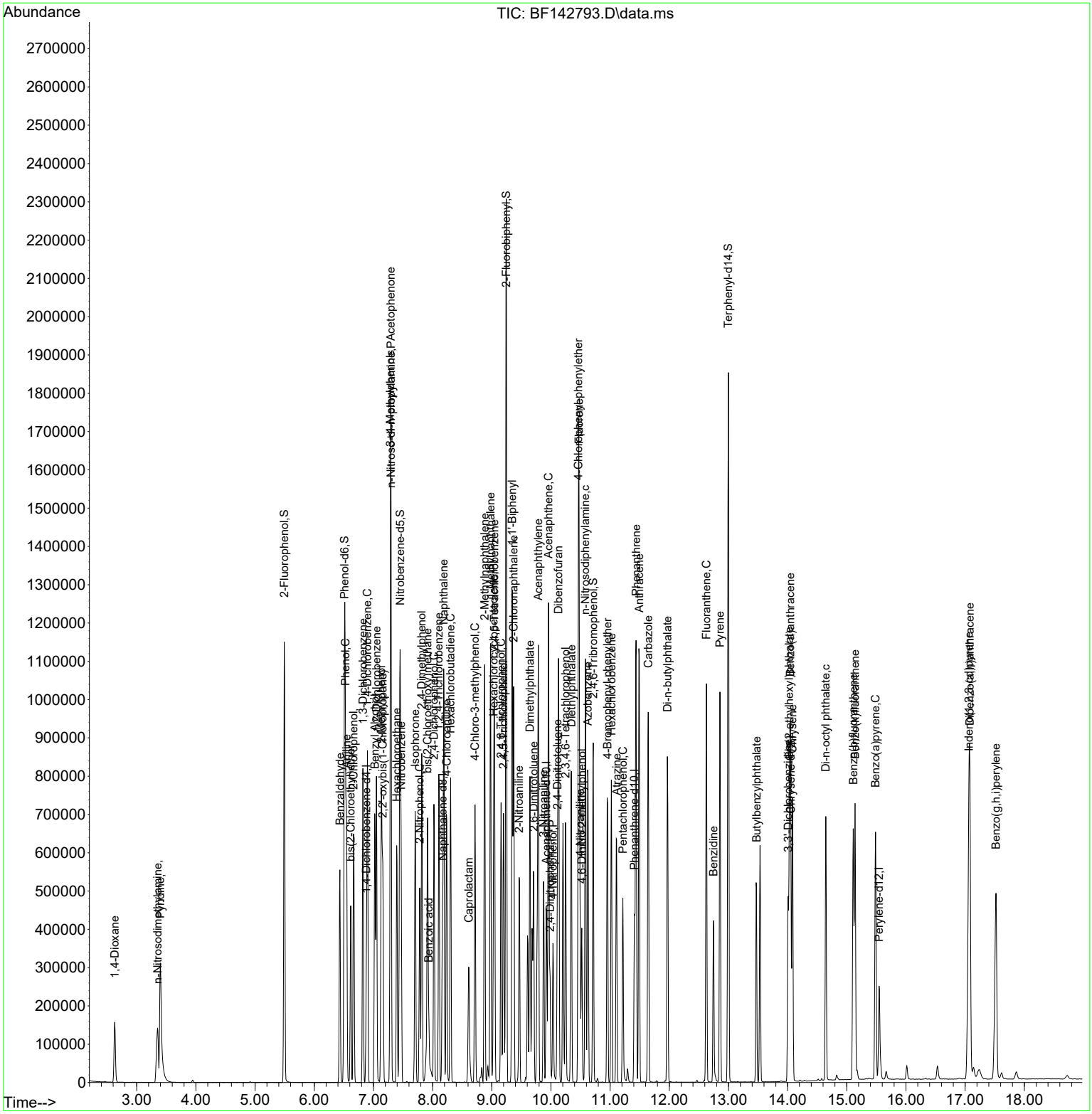
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144717	51.550	ng	100
46) 1,1'-Biphenyl	9.345	154	559765	51.807	ng	99
47) 2-Chloronaphthalene	9.369	162	420603	52.754	ng	100
48) 2-Nitroaniline	9.463	65	124478	54.955	ng	99
49) Acenaphthylene	9.786	152	694098	51.783	ng	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

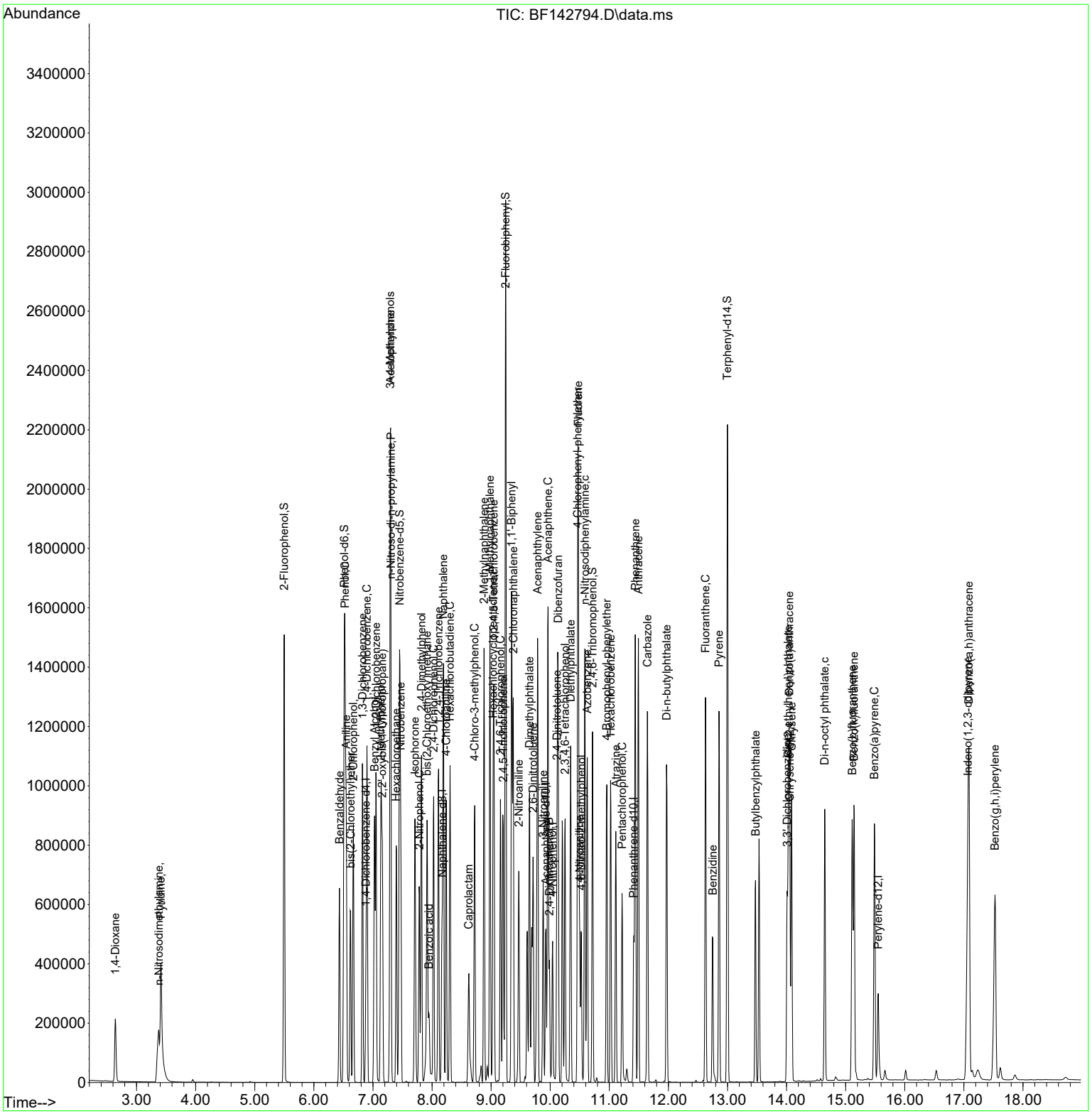
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	196769	60.565	ng	99
46) 1,1'-Biphenyl	9.345	154	736970	58.937	ng	99
47) 2-Chloronaphthalene	9.375	162	553304	59.966	ng	99
48) 2-Nitroaniline	9.469	65	162701	62.067	ng	96
49) Acenaphthylene	9.786	152	913540	58.892	ng	100
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

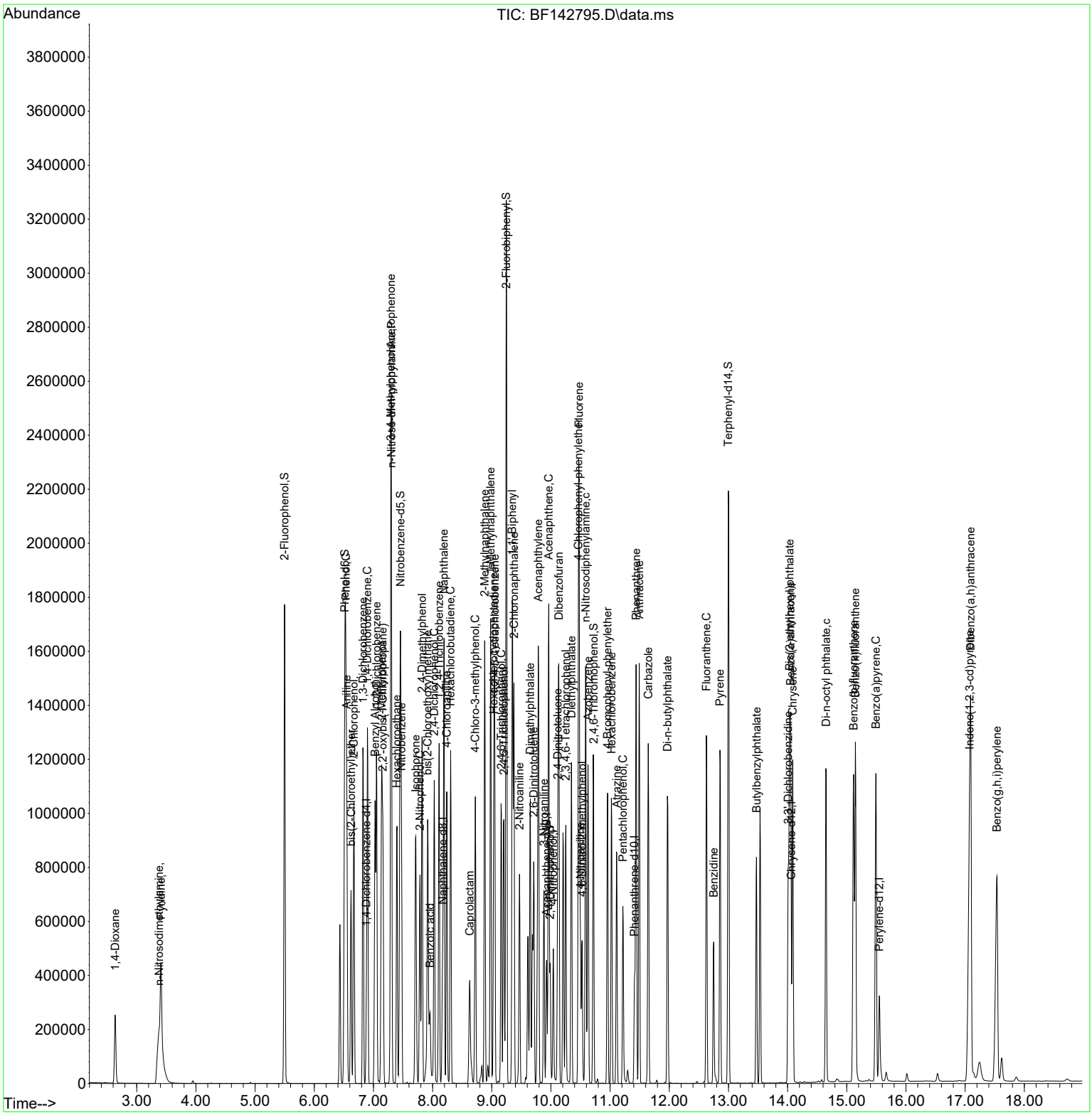
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

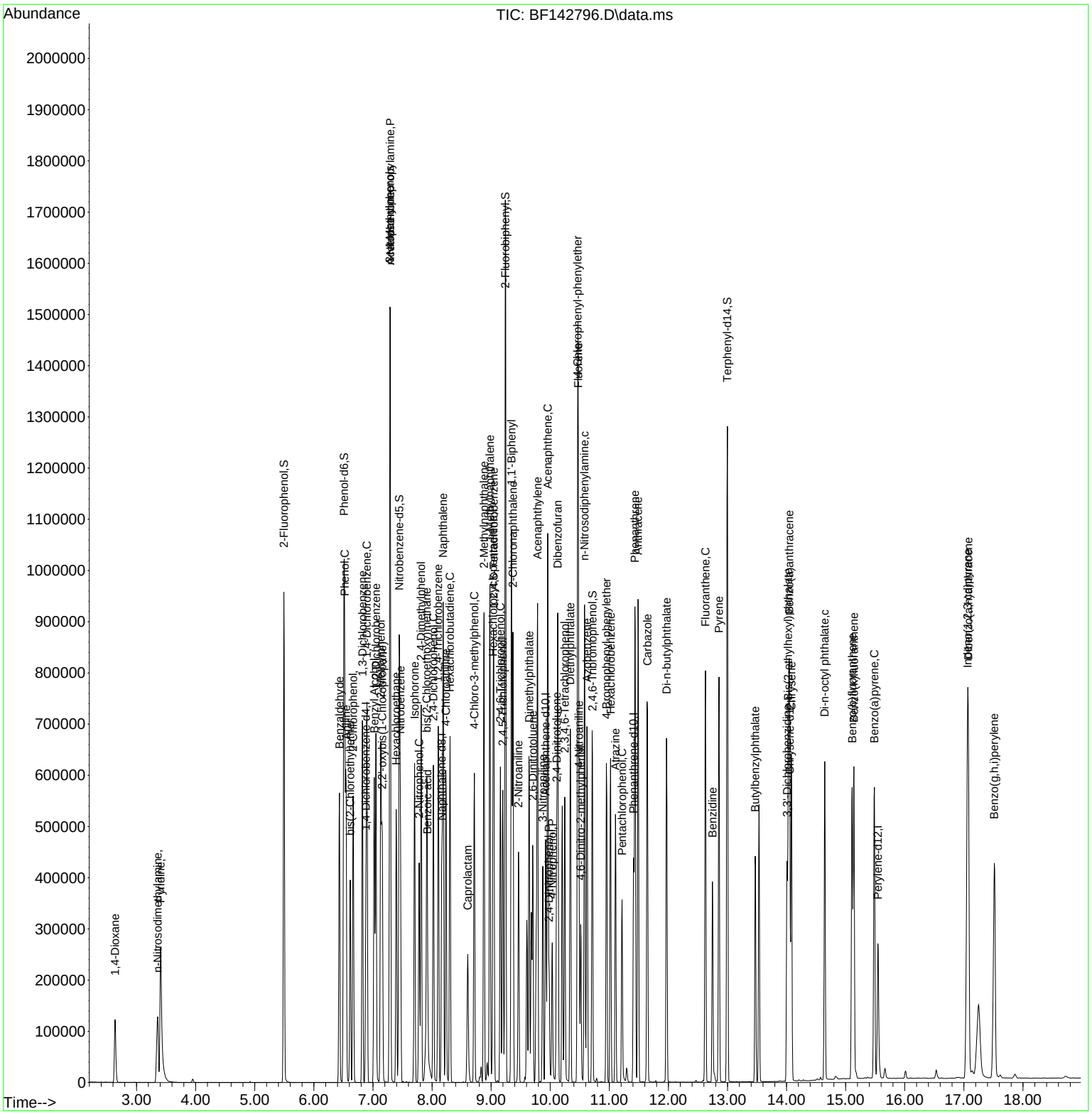
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	124558	43.045	ng	99
46) 1,1'-Biphenyl	9.345	154	476133	42.159	ng	100
47) 2-Chloronaphthalene	9.369	162	354405	41.817	ng	100
48) 2-Nitroaniline	9.463	65	99137	41.724	ng	97
49) Acenaphthylene	9.786	152	580204	41.586	ng	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

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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/26/2025 09:39

Lab File ID: BF142857.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	1.244		3.6	
Benzaldehyde	0.841	0.756		-10.1	
Phenol-d6	1.417	1.459		3.0	
Phenol	1.575	1.619		2.8	20.0
bis(2-Chloroethyl)ether	1.126	1.173		4.2	
2-Chlorophenol	1.296	1.352		4.3	
2-Methylphenol	0.982	1.017		3.6	
2,2-oxybis(1-Chloropropane)	1.809	1.816		0.4	
Acetophenone	0.441	0.456		3.4	
3+4-Methylphenols	1.224	1.278		4.4	
n-Nitroso-di-n-propylamine	0.824	0.847	0.050	2.8	
Nitrobenzene-d5	0.365	0.443		21.4	
Hexachloroethane	0.511	0.530		3.7	
Nitrobenzene	0.330	0.344		4.2	
Isophorone	0.585	0.615		5.1	
2-Nitrophenol	0.180	0.193		7.2	20.0
2,4-Dimethylphenol	0.311	0.323		3.9	
bis(2-Chloroethoxy)methane	0.372	0.389		4.6	
2,4-Dichlorophenol	0.282	0.301		6.7	20.0
Naphthalene	0.979	1.015		3.7	
4-Chloroaniline	0.398	0.413		3.8	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.085		13.3	
4-Chloro-3-methylphenol	0.281	0.301		7.1	20.0
2-Methylnaphthalene	0.607	0.638		5.1	
Hexachlorocyclopentadiene	0.335	0.315	0.050	-6.0	
2,4,6-Trichlorophenol	0.385	0.387		0.5	20.0
2-Fluorobiphenyl	1.522	1.697		11.5	
2,4,5-Trichlorophenol	0.405	0.414		2.2	
1,1-Biphenyl	1.580	1.562		-1.1	
2-Chloronaphthalene	1.186	1.175		-0.9	
2-Nitroaniline	0.332	0.348		4.8	
Dimethylphthalate	1.295	1.362		5.2	
Acenaphthylene	1.952	1.953		0.1	
2,6-Dinitrotoluene	0.284	0.300		5.6	
3-Nitroaniline	0.313	0.339		8.3	
Acenaphthene	1.191	1.201		0.8	20.0
2,4-Dinitrophenol	0.142	0.164	0.050	15.5	
4-Nitrophenol	0.214	0.232	0.050	8.4	

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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/26/2025 09:39

Lab File ID: BF142857.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	1.724		0.9	
2,4-Dinitrotoluene	0.378	0.411		8.7	
Diethylphthalate	1.269	1.362		7.3	
4-Chlorophenyl-phenylether	0.636	0.652		2.5	
Fluorene	1.334	1.364		2.2	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.131		8.3	
n-Nitrosodiphenylamine	0.693	0.693		0.0	20.0
2,4,6-Tribromophenol	0.206	0.223		8.3	
4-Bromophenyl-phenylether	0.228	0.233		2.2	
Hexachlorobenzene	0.253	0.261		3.2	
Atrazine	0.179	0.208		16.2	
Pentachlorophenol	0.126	0.138		9.5	20.0
Phenanthrene	1.083	1.100		1.6	
Anthracene	1.111	1.136		2.3	
Carbazole	0.959	1.025		6.9	
Di-n-butylphthalate	0.999	1.187		18.8	
Fluoranthene	1.028	1.123		9.2	20.0
Pyrene	1.875	1.932		3.0	
Terphenyl-d14	1.447	1.677		15.9	
Butylbenzylphthalate	0.544	0.638		17.3	
3,3-Dichlorobenzidine	0.438	0.428		-2.3	
Benzo(a)anthracene	1.349	1.377		2.1	
Chrysene	1.204	1.250		3.8	
Bis(2-ethylhexyl)phthalate	0.782	0.763		-2.4	
Di-n-octyl phthalate	1.475	1.247		-15.5	20.0
Benzo(b)fluoranthene	1.157	1.283		10.9	
Benzo(k)fluoranthene	1.083	1.100		1.6	
Benzo(a)pyrene	1.118	1.173		4.9	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.584		4.0	
Dibenzo(a,h)anthracene	1.238	1.292		4.4	
Benzo(g,h,i)perylene	1.234	1.288		4.4	
1,2,4,5-Tetrachlorobenzene	0.590	0.588		-0.3	
1,4-Dioxane	0.480	0.489		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.337		3.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	6.875	152	77664	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	293795	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	161192	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	275904	20.000	ng	0.00
76) Chrysene-d12	14.057	240	159836	20.000	ng	0.00
86) Perylene-d12	15.545	264	144296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	386495	82.855	ng	0.00
7) Phenol-d6	6.510	99	453238	82.355	ng	0.00
23) Nitrobenzene-d5	7.445	82	520692	97.212	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	143711	86.637	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1094086	89.165	ng	0.00
79) Terphenyl-d14	12.998	244	1072266	92.692	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.634	88	76030	40.750	ng	99
3) Pyridine	3.410	79	187948	40.182	ng	99
4) n-Nitrosodimethylamine	3.357	42	98314	40.646	ng	99
6) Aniline	6.540	93	301221	41.134	ng	96
8) 2-Chlorophenol	6.663	128	210070	41.748	ng	98
9) Benzaldehyde	6.428	77	117500	35.987	ng	100
10) Phenol	6.522	94	251458	41.105	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	182187	41.669	ng	99
12) 1,3-Dichlorobenzene	6.816	146	235807	41.902	ng	98
13) 1,4-Dichlorobenzene	6.893	146	235015	41.392	ng	99
14) 1,2-Dichlorobenzene	7.045	146	224455	41.679	ng	98
15) Benzyl Alcohol	7.022	79	168656	42.391	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	282023	40.148	ng	97
17) 2-Methylphenol	7.134	107	158020	41.440	ng	99
18) Hexachloroethane	7.387	117	82298	41.440	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	131635	41.125	ng	99
20) 3+4-Methylphenols	7.287	107	198514	41.753	ng	95
22) Acetophenone	7.287	105	267903	41.351	ng	98
24) Nitrobenzene	7.463	77	202331	41.736	ng	99
25) Isophorone	7.704	82	361539	42.077	ng	100
26) 2-Nitrophenol	7.781	139	113200	42.865	ng	97
27) 2,4-Dimethylphenol	7.816	122	189948	41.524	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	228518	41.833	ng	99
29) 2,4-Dichlorophenol	8.022	162	176952	42.662	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	188945	41.427	ng	99
31) Naphthalene	8.187	128	596557	41.483	ng	100
32) Benzoic acid	7.928	122	103914	44.569	ng	98
33) 4-Chloroaniline	8.234	127	242792	41.521	ng	99
34) Hexachlorobutadiene	8.298	225	116369	41.712	ng	99
35) Caprolactam	8.610	113	50127	45.799	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	176626	42.848	ng	100
37) 2-Methylnaphthalene	8.875	142	374990	42.060	ng	99
38) 1-Methylnaphthalene	8.975	142	384945	41.709	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	189612	39.866	ng	99
41) Hexachlorocyclopentadiene	9.028	237	101634	37.655	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	124841	40.280	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	133468	40.909	ng	99
46) 1,1'-Biphenyl	9.339	154	503702	39.558	ng	100
47) 2-Chloronaphthalene	9.369	162	378913	39.654	ng	100
48) 2-Nitroaniline	9.463	65	112245	41.899	ng	97
49) Acenaphthylene	9.781	152	629626	40.026	ng	100
50) Dimethylphthalate	9.639	163	439200	42.093	ng	99
51) 2,6-Dinitrotoluene	9.704	165	96682	42.193	ng	99
52) Acenaphthene	9.957	154	387211	40.345	ng	99
53) 3-Nitroaniline	9.875	138	109174	43.274	ng	97
54) 2,4-Dinitrophenol	9.981	184	52943	46.144	ng	98
55) Dibenzofuran	10.128	168	555756	40.382	ng	100
56) 4-Nitrophenol	10.033	139	74942	43.390	ng	99
57) 2,4-Dinitrotoluene	10.110	165	132428	43.509	ng	98
58) Fluorene	10.469	166	439722	40.911	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	108534	41.271	ng	96
60) Diethylphthalate	10.339	149	438956	42.907	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	210096	40.963	ng	98
62) 4-Nitroaniline	10.486	138	105952	45.920	ng	98
63) Azobenzene	10.622	77	381397	41.712	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	72530	43.461	ng	99
66) n-Nitrosodiphenylamine	10.581	169	382313	39.982	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	128311	40.863	ng	98
68) Hexachlorobenzene	11.016	284	143957	41.259	ng	98
69) Atrazine	11.104	200	114854	46.514	ng	99
70) Pentachlorophenol	11.216	266	75964	43.692	ng	98
71) Phenanthrene	11.433	178	606956	40.611	ng	99
72) Anthracene	11.486	178	627078	40.910	ng	100
73) Carbazole	11.639	167	565412	42.745	ng	100
74) Di-n-butylphthalate	11.969	149	655127	47.542	ng	100
75) Fluoranthene	12.627	202	619469	43.673	ng	100
77) Benzidine	12.745	184	251868	41.942	ng	99
78) Pyrene	12.857	202	617474	41.214	ng	100
80) Butylbenzylphthalate	13.469	149	204023	46.946	ng	98
81) Benzo(a)anthracene	14.045	228	440135	40.819	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	136940	39.155	ng	99
83) Chrysene	14.080	228	399572	41.529	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	243811	38.992	ng	99
85) Di-n-octyl phthalate	14.639	149	398772	33.822	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	456997	41.580	ng	99
88) Benzo(b)fluoranthene	15.104	252	370314	44.351	ng	99
89) Benzo(k)fluoranthene	15.133	252	317512	40.646	ng	99
90) Benzo(a)pyrene	15.480	252	338551	41.971	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	372769	41.742	ng	98
92) Benzo(g,h,i)perylene	17.515	276	371717	41.743	ng	98

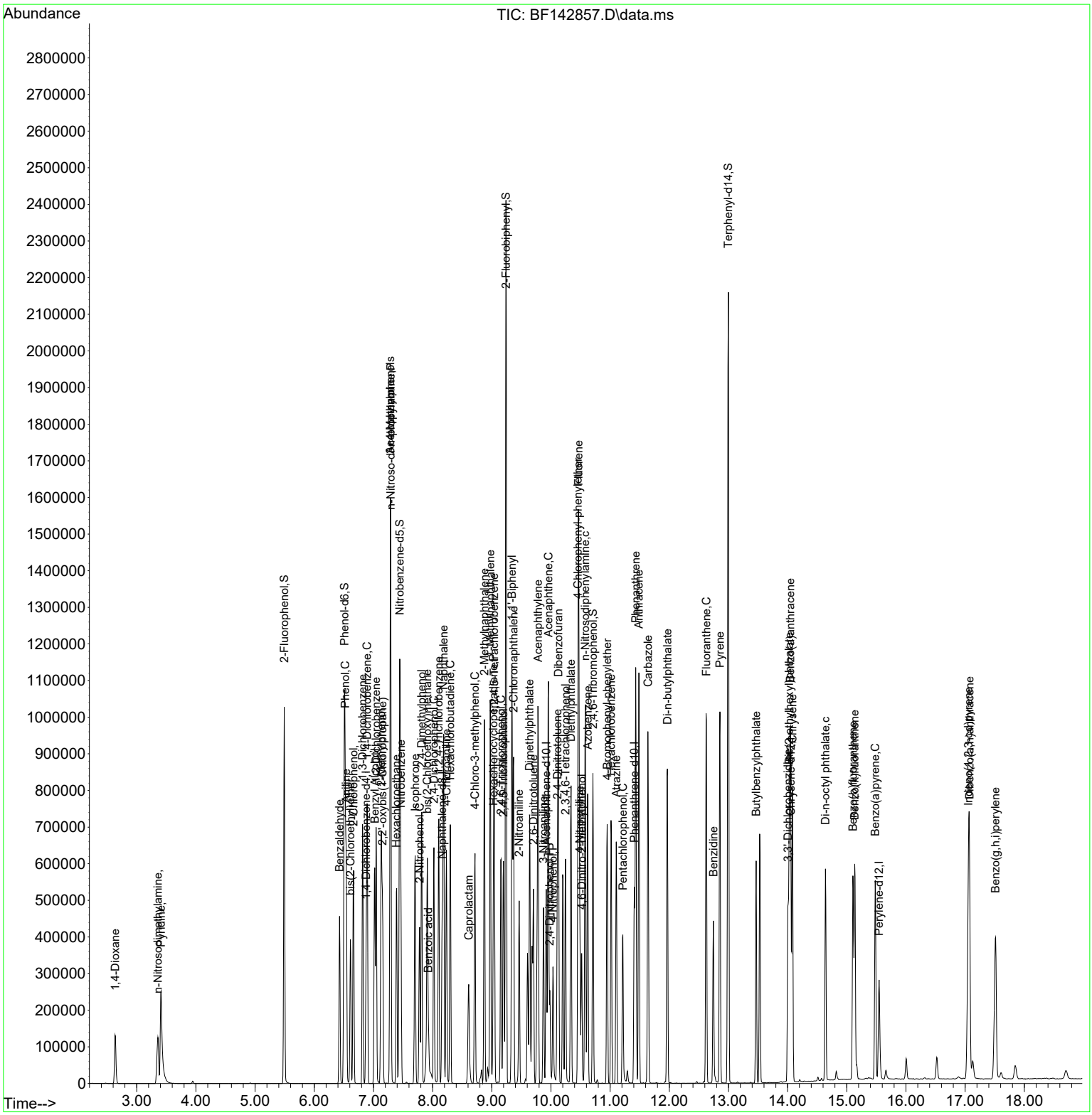
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	93	0.00
2		1,4-Dioxane	0.480	0.489	-1.9	98	0.00
3		Pyridine	1.205	1.210	-0.4	96	0.00
4		n-Nitrosodimethylamine	0.623	0.633	-1.6	98	0.00
5	S	2-Fluorophenol	1.201	1.244	-3.6	100	0.00
6		Aniline	1.886	1.939	-2.8	99	0.00
7	S	Phenol-d6	1.417	1.459	-3.0	101	0.00
8		2-Chlorophenol	1.296	1.352	-4.3	101	0.00
9		Benzaldehyde	0.841	0.756	10.1	93	0.00
10	C	Phenol	1.575	1.619	-2.8	99	0.00
11		bis(2-Chloroethyl)ether	1.126	1.173	-4.2	102	0.00
12		1,3-Dichlorobenzene	1.449	1.518	-4.8	102	0.00
13	C	1,4-Dichlorobenzene	1.462	1.513	-3.5	100	0.00
14		1,2-Dichlorobenzene	1.387	1.445	-4.2	101	0.00
15		Benzyl Alcohol	1.025	1.086	-6.0	103	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.816	-0.4	98	0.00
17		2-Methylphenol	0.982	1.017	-3.6	101	0.00
18		Hexachloroethane	0.511	0.530	-3.7	99	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.847	-2.8	100	0.00
20		3+4-Methylphenols	1.224	1.278	-4.4	101	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.441	0.456	-3.4	102	0.00
23	S	Nitrobenzene-d5	0.365	0.443	-21.4	117	0.00
24		Nitrobenzene	0.330	0.344	-4.2	101	0.00
25		Isophorone	0.585	0.615	-5.1	104	0.00
26	C	2-Nitrophenol	0.180	0.193	-7.2	101	0.00
27		2,4-Dimethylphenol	0.311	0.323	-3.9	101	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.389	-4.6	103	0.00
29	C	2,4-Dichlorophenol	0.282	0.301	-6.7	103	0.00
30		1,2,4-Trichlorobenzene	0.310	0.322	-3.9	101	0.00
31		Naphthalene	0.979	1.015	-3.7	102	0.00
32		Benzoic acid	0.159	0.177	-11.3	106	0.00
33		4-Chloroaniline	0.398	0.413	-3.8	102	0.00
34	C	Hexachlorobutadiene	0.190	0.198	-4.2	101	0.00
35		Caprolactam	0.075	0.085	-13.3	112	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.301	-7.1	105	0.00
37		2-Methylnaphthalene	0.607	0.638	-5.1	103	0.00
38		1-Methylnaphthalene	0.628	0.655	-4.3	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.588	0.3	105	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.315	6.0	93	0.00
42	S	2,4,6-Tribromophenol	0.206	0.223	-8.3	111	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.387	-0.5	105	0.00
44		2,4,5-Trichlorophenol	0.405	0.414	-2.2	105	0.00
45	S	2-Fluorobiphenyl	1.522	1.697	-11.5	118	0.00
46		1,1'-Biphenyl	1.580	1.562	1.1	103	0.00
47		2-Chloronaphthalene	1.186	1.175	0.9	104	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	0.348	-4.8	107	0.00
49		Acenaphthylene	1.952	1.953	-0.1	104	0.00
50		Dimethylphthalate	1.295	1.362	-5.2	110	0.00
51		2,6-Dinitrotoluene	0.284	0.300	-5.6	108	0.00
52	C	Acenaphthene	1.191	1.201	-0.8	105	0.00
53		3-Nitroaniline	0.313	0.339	-8.3	111	0.00
54	P	2,4-Dinitrophenol	0.142	0.164	-15.5	115	0.00
55		Dibenzofuran	1.708	1.724	-0.9	106	0.00
56	P	4-Nitrophenol	0.214	0.232	-8.4	111	0.00
57		2,4-Dinitrotoluene	0.378	0.411	-8.7	111	0.00
58		Fluorene	1.334	1.364	-2.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.337	-3.4	108	0.00
60		Diethylphthalate	1.269	1.362	-7.3	112	0.00
61		4-Chlorophenyl-phenylether	0.636	0.652	-2.5	108	0.00
62		4-Nitroaniline	0.286	0.329	-15.0	120	0.00
63		Azobenzene	1.134	1.183	-4.3	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.131	-8.3	115	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.693	0.0	108	0.00
67		4-Bromophenyl-phenylether	0.228	0.233	-2.2	112	0.00
68		Hexachlorobenzene	0.253	0.261	-3.2	113	0.00
69		Atrazine	0.179	0.208	-16.2	126	0.00
70	C	Pentachlorophenol	0.126	0.138	-9.5	115	0.00
71		Phenanthrene	1.083	1.100	-1.6	112	0.00
72		Anthracene	1.111	1.136	-2.3	112	0.00
73		Carbazole	0.959	1.025	-6.9	119	0.00
74		Di-n-butylphthalate	0.999	1.187	-18.8	131	0.00
75	C	Fluoranthene	1.028	1.123	-9.2	123	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.751	0.788	-4.9	114	0.00
78		Pyrene	1.875	1.932	-3.0	124	0.00
79	S	Terphenyl-d14	1.447	1.677	-15.9	142	0.00
80		Butylbenzylphthalate	0.544	0.638	-17.3	131	0.00
81		Benzo(a)anthracene	1.349	1.377	-2.1	122	0.00
82		3,3'-Dichlorobenzidine	0.438	0.428	2.3	112	0.00
83		Chrysene	1.204	1.250	-3.8	120	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.763	2.4	106	0.00
85	c	Di-n-octyl phthalate	1.475	1.247	15.5	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.584	-4.0	91	0.00
88		Benzo(b)fluoranthene	1.157	1.283	-10.9	101	0.00
89		Benzo(k)fluoranthene	1.083	1.100	-1.6	90	0.00
90	C	Benzo(a)pyrene	1.118	1.173	-4.9	93	0.00
91		Dibenzo(a,h)anthracene	1.238	1.292	-4.4	93	0.00
92		Benzo(g,h,i)perylene	1.234	1.288	-4.4	92	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	93	0.00
2		1,4-Dioxane	40.000	40.750	-1.9	98	0.00
3		Pyridine	40.000	40.182	-0.5	96	0.00
4		n-Nitrosodimethylamine	40.000	40.646	-1.6	98	0.00
5	S	2-Fluorophenol	80.000	82.855	-3.6	100	0.00
6		Aniline	40.000	41.134	-2.8	99	0.00
7	S	Phenol-d6	80.000	82.355	-2.9	101	0.00
8		2-Chlorophenol	40.000	41.748	-4.4	101	0.00
9		Benzaldehyde	40.000	35.987	10.0	93	0.00
10	C	Phenol	40.000	41.105	-2.8	99	0.00
11		bis(2-Chloroethyl)ether	40.000	41.669	-4.2	102	0.00
12		1,3-Dichlorobenzene	40.000	41.902	-4.8	102	0.00
13	C	1,4-Dichlorobenzene	40.000	41.392	-3.5	100	0.00
14		1,2-Dichlorobenzene	40.000	41.679	-4.2	101	0.00
15		Benzyl Alcohol	40.000	42.391	-6.0	103	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.148	-0.4	98	0.00
17		2-Methylphenol	40.000	41.440	-3.6	101	0.00
18		Hexachloroethane	40.000	41.440	-3.6	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.125	-2.8	100	0.00
20		3+4-Methylphenols	40.000	41.753	-4.4	101	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	41.351	-3.4	102	0.00
23	S	Nitrobenzene-d5	80.000	97.212	-21.5	117	0.00
24		Nitrobenzene	40.000	41.736	-4.3	101	0.00
25		Isophorone	40.000	42.077	-5.2	104	0.00
26	C	2-Nitrophenol	40.000	42.865	-7.2	101	0.00
27		2,4-Dimethylphenol	40.000	41.524	-3.8	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.833	-4.6	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.662	-6.7	103	0.00
30		1,2,4-Trichlorobenzene	40.000	41.427	-3.6	101	0.00
31		Naphthalene	40.000	41.483	-3.7	102	0.00
32		Benzoic acid	40.000	44.569	-11.4	106	0.00
33		4-Chloroaniline	40.000	41.521	-3.8	102	0.00
34	C	Hexachlorobutadiene	40.000	41.712	-4.3	101	0.00
35		Caprolactam	40.000	45.799	-14.5	112	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.848	-7.1	105	0.00
37		2-Methylnaphthalene	40.000	42.060	-5.2	103	0.00
38		1-Methylnaphthalene	40.000	41.709	-4.3	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	100	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.866	0.3	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	37.655	5.9	93	0.00
42	S	2,4,6-Tribromophenol	80.000	86.637	-8.3	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.280	-0.7	105	0.00
44		2,4,5-Trichlorophenol	40.000	40.909	-2.3	105	0.00
45	S	2-Fluorobiphenyl	80.000	89.165	-11.5	118	0.00
46		1,1'-Biphenyl	40.000	39.558	1.1	103	0.00
47		2-Chloronaphthalene	40.000	39.654	0.9	104	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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	41.899	-4.7	107	0.00
49		Acenaphthylene	40.000	40.026	-0.1	104	0.00
50		Dimethylphthalate	40.000	42.093	-5.2	110	0.00
51		2,6-Dinitrotoluene	40.000	42.193	-5.5	108	0.00
52	C	Acenaphthene	40.000	40.345	-0.9	105	0.00
53		3-Nitroaniline	40.000	43.274	-8.2	111	0.00
54	P	2,4-Dinitrophenol	40.000	46.144	-15.4	115	0.00
55		Dibenzofuran	40.000	40.382	-1.0	106	0.00
56	P	4-Nitrophenol	40.000	43.390	-8.5	111	0.00
57		2,4-Dinitrotoluene	40.000	43.509	-8.8	111	0.00
58		Fluorene	40.000	40.911	-2.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.271	-3.2	108	0.00
60		Diethylphthalate	40.000	42.907	-7.3	112	0.00
61		4-Chlorophenyl-phenylether	40.000	40.963	-2.4	108	0.00
62		4-Nitroaniline	40.000	45.920	-14.8	120	0.00
63		Azobenzene	40.000	41.712	-4.3	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.461	-8.7	115	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.982	0.0	108	0.00
67		4-Bromophenyl-phenylether	40.000	40.863	-2.2	112	0.00
68		Hexachlorobenzene	40.000	41.259	-3.1	113	0.00
69		Atrazine	40.000	46.514	-16.3	126	0.00
70	C	Pentachlorophenol	40.000	43.692	-9.2	115	0.00
71		Phenanthrene	40.000	40.611	-1.5	112	0.00
72		Anthracene	40.000	40.910	-2.3	112	0.00
73		Carbazole	40.000	42.745	-6.9	119	0.00
74		Di-n-butylphthalate	40.000	47.542	-18.9	131	0.00
75	C	Fluoranthene	40.000	43.673	-9.2	123	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	41.942	-4.9	114	0.00
78		Pyrene	40.000	41.214	-3.0	124	0.00
79	S	Terphenyl-d14	80.000	92.692	-15.9	142	0.00
80		Butylbenzylphthalate	40.000	46.946	-17.4	131	0.00
81		Benzo(a)anthracene	40.000	40.819	-2.0	122	0.00
82		3,3'-Dichlorobenzidine	40.000	39.155	2.1	112	0.00
83		Chrysene	40.000	41.529	-3.8	120	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.992	2.5	106	0.00
85	c	Di-n-octyl phthalate	40.000	33.822	15.4	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.580	-3.9	91	0.00
88		Benzo(b)fluoranthene	40.000	44.351	-10.9	101	0.00
89		Benzo(k)fluoranthene	40.000	40.646	-1.6	90	0.00
90	C	Benzo(a)pyrene	40.000	41.971	-4.9	93	0.00
91		Dibenzo(a,h)anthracene	40.000	41.742	-4.4	93	0.00
92		Benzo(g,h,i)perylene	40.000	41.743	-4.4	92	0.00

Sample Results: **BF142857.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142857.D
Acq On : 26 Jun 2025 09:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 26 11:10:54 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

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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/27/2025 09:51

Lab File ID: BF142882.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	1.268		5.6	
Benzaldehyde	0.841	0.751		-10.7	
Phenol-d6	1.417	1.473		4.0	
Phenol	1.575	1.619		2.8	20.0
bis(2-Chloroethyl)ether	1.126	1.162		3.2	
2-Chlorophenol	1.296	1.373		5.9	
2-Methylphenol	0.982	1.026		4.5	
2,2-oxybis(1-Chloropropane)	1.809	1.791		-1.0	
Acetophenone	0.441	0.458		3.9	
3+4-Methylphenols	1.224	1.279		4.5	
n-Nitroso-di-n-propylamine	0.824	0.862	0.050	4.6	
Nitrobenzene-d5	0.365	0.451		23.6	
Hexachloroethane	0.511	0.545		6.7	
Nitrobenzene	0.330	0.342		3.6	
Isophorone	0.585	0.610		4.3	
2-Nitrophenol	0.180	0.196		8.9	20.0
2,4-Dimethylphenol	0.311	0.329		5.8	
bis(2-Chloroethoxy)methane	0.372	0.388		4.3	
2,4-Dichlorophenol	0.282	0.296		5.0	20.0
Naphthalene	0.979	1.021		4.3	
4-Chloroaniline	0.398	0.419		5.3	
Hexachlorobutadiene	0.190	0.197		3.7	20.0
Caprolactam	0.075	0.086		14.7	
4-Chloro-3-methylphenol	0.281	0.297		5.7	20.0
2-Methylnaphthalene	0.607	0.630		3.8	
Hexachlorocyclopentadiene	0.335	0.307	0.050	-8.4	
2,4,6-Trichlorophenol	0.385	0.393		2.1	20.0
2-Fluorobiphenyl	1.522	1.783		17.1	
2,4,5-Trichlorophenol	0.405	0.419		3.5	
1,1-Biphenyl	1.580	1.619		2.5	
2-Chloronaphthalene	1.186	1.205		1.6	
2-Nitroaniline	0.332	0.350		5.4	
Dimethylphthalate	1.295	1.378		6.4	
Acenaphthylene	1.952	2.007		2.8	
2,6-Dinitrotoluene	0.284	0.300		5.6	
3-Nitroaniline	0.313	0.334		6.7	
Acenaphthene	1.191	1.235		3.7	20.0
2,4-Dinitrophenol	0.142	0.145	0.050	2.1	
4-Nitrophenol	0.214	0.216	0.050	0.9	

Raw Data: **BF142882.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: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/27/2025 09:51

Lab File ID: BF142882.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	1.749		2.4	
2,4-Dinitrotoluene	0.378	0.410		8.5	
Diethylphthalate	1.269	1.368		7.8	
4-Chlorophenyl-phenylether	0.636	0.666		4.7	
Fluorene	1.334	1.383		3.7	
4-Nitroaniline	0.286	0.323		12.9	
4,6-Dinitro-2-methylphenol	0.121	0.130		7.4	
n-Nitrosodiphenylamine	0.693	0.709		2.3	20.0
2,4,6-Tribromophenol	0.206	0.217		5.3	
4-Bromophenyl-phenylether	0.228	0.236		3.5	
Hexachlorobenzene	0.253	0.258		2.0	
Atrazine	0.179	0.204		14.0	
Pentachlorophenol	0.126	0.126		0.0	20.0
Phenanthrene	1.083	1.105		2.0	
Anthracene	1.111	1.136		2.3	
Carbazole	0.959	1.002		4.5	
Di-n-butylphthalate	0.999	1.136		13.7	
Fluoranthene	1.028	1.075		4.6	20.0
Pyrene	1.875	1.800		-4.0	
Terphenyl-d14	1.447	1.565		8.2	
Butylbenzylphthalate	0.544	0.620		14.0	
3,3-Dichlorobenzidine	0.438	0.468		6.8	
Benzo(a)anthracene	1.349	1.390		3.0	
Chrysene	1.204	1.236		2.7	
Bis(2-ethylhexyl)phthalate	0.782	0.880		12.5	
Di-n-octyl phthalate	1.475	1.541		4.5	20.0
Benzo(b)fluoranthene	1.157	1.220		5.4	
Benzo(k)fluoranthene	1.083	1.142		5.4	
Benzo(a)pyrene	1.118	1.169		4.6	20.0
Indeno(1,2,3-cd)pyrene	1.523	1.469		-3.5	
Dibenzo(a,h)anthracene	1.238	1.198		-3.2	
Benzo(g,h,i)perylene	1.234	1.183		-4.1	
1,2,4,5-Tetrachlorobenzene	0.590	0.606		2.7	
1,4-Dioxane	0.480	0.483		0.6	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.340		4.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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	70500	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	264550	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	140000	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	234291	20.000	ng	0.00
76) Chrysene-d12	14.057	240	139168	20.000	ng	0.00
86) Perylene-d12	15.545	264	151209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	357569	84.443	ng	0.00
7) Phenol-d6	6.510	99	415394	83.149	ng	0.00
23) Nitrobenzene-d5	7.445	82	477762	99.057	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	121734	84.497	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	998745	93.716	ng	0.00
79) Terphenyl-d14	12.998	244	871106	86.486	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	68061	40.186	ng	99
3) Pyridine	3.405	79	171908	40.487	ng	99
4) n-Nitrosodimethylamine	3.352	42	88749	40.420	ng	99
6) Aniline	6.540	93	276214	41.552	ng	97
8) 2-Chlorophenol	6.663	128	193634	42.392	ng	97
9) Benzaldehyde	6.428	77	105877	35.722	ng	99
10) Phenol	6.522	94	228233	41.099	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	163774	41.264	ng	98
12) 1,3-Dichlorobenzene	6.816	146	213093	41.714	ng	99
13) 1,4-Dichlorobenzene	6.893	146	220329	42.749	ng	99
14) 1,2-Dichlorobenzene	7.045	146	205480	42.033	ng	99
15) Benzyl Alcohol	7.022	79	152439	42.208	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	252551	39.605	ng	97
17) 2-Methylphenol	7.134	107	144657	41.790	ng	98
18) Hexachloroethane	7.387	117	76850	42.629	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	121595	41.849	ng	97
20) 3+4-Methylphenols	7.287	107	180389	41.797	ng	95
22) Acetophenone	7.287	105	242192	41.515	ng	98
24) Nitrobenzene	7.463	77	180776	41.412	ng	99
25) Isophorone	7.704	82	322599	41.696	ng	99
26) 2-Nitrophenol	7.781	139	103609	43.570	ng	97
27) 2,4-Dimethylphenol	7.816	122	174240	42.301	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	205343	41.746	ng	99
29) 2,4-Dichlorophenol	8.022	162	156473	41.895	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	170514	41.519	ng	99
31) Naphthalene	8.187	128	540387	41.731	ng	99
32) Benzoic acid	7.928	122	88699	42.249	ng	96
33) 4-Chloroaniline	8.234	127	221895	42.142	ng	97
34) Hexachlorobutadiene	8.298	225	104342	41.536	ng	99
35) Caprolactam	8.604	113	45431	46.097	ng	96
36) 4-Chloro-3-methylphenol	8.716	107	157062	42.314	ng	99
37) 2-Methylnaphthalene	8.875	142	333334	41.521	ng	99
38) 1-Methylnaphthalene	8.975	142	347469	41.811	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	169797	41.104	ng	99
41) Hexachlorocyclopentadiene	9.028	237	85906	36.646	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	110019	40.872	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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

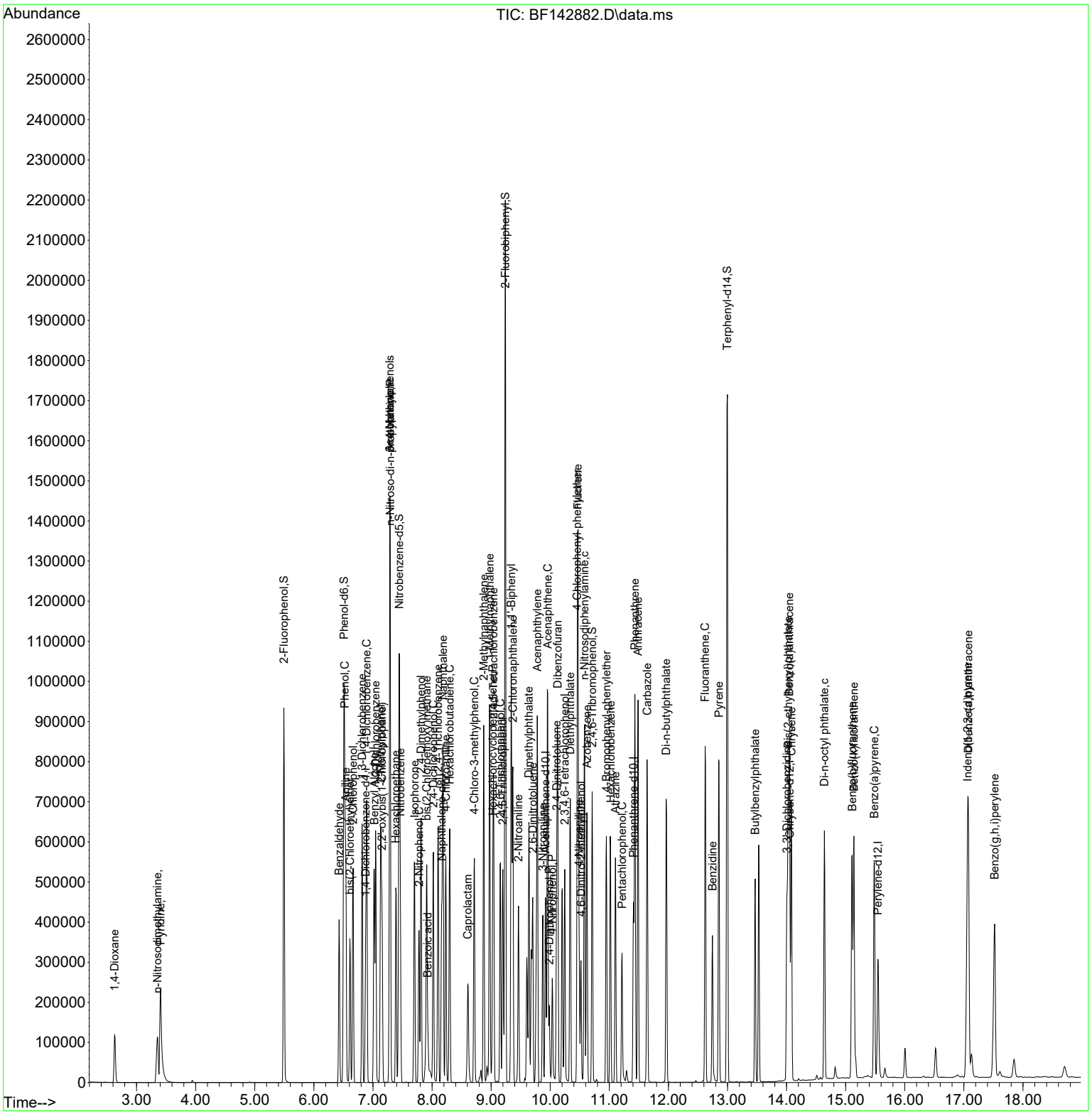
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	117411	41.435	ng	99
46) 1,1'-Biphenyl	9.339	154	453330	40.991	ng	100
47) 2-Chloronaphthalene	9.369	162	337318	40.645	ng	99
48) 2-Nitroaniline	9.463	65	98089	42.158	ng	97
49) Acenaphthylene	9.781	152	561931	41.130	ng	99
50) Dimethylphthalate	9.639	163	385972	42.591	ng	100
51) 2,6-Dinitrotoluene	9.704	165	83923	42.169	ng	98
52) Acenaphthene	9.957	154	345883	41.495	ng	99
53) 3-Nitroaniline	9.875	138	93460	42.653	ng	99
54) 2,4-Dinitrophenol	9.986	184	40658	40.800	ng	93
55) Dibenzofuran	10.128	168	489849	40.981	ng	99
56) 4-Nitrophenol	10.034	139	60360	40.238	ng	96
57) 2,4-Dinitrotoluene	10.110	165	114910	43.469	ng	99
58) Fluorene	10.469	166	387127	41.470	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	95093	41.633	ng	96
60) Diethylphthalate	10.339	149	383081	43.114	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	186438	41.853	ng	98
62) 4-Nitroaniline	10.486	138	90481	45.151	ng	98
63) Azobenzene	10.622	77	324727	40.890	ng	97
65) 4,6-Dinitro-2-methylph...	10.522	198	60921	42.988	ng	99
66) n-Nitrosodiphenylamine	10.581	169	332341	40.929	ng	100
67) 4-Bromophenyl-phenylether	10.951	248	110475	41.431	ng	98
68) Hexachlorobenzene	11.022	284	120962	40.826	ng	98
69) Atrazine	11.104	200	95659	45.621	ng	99
70) Pentachlorophenol	11.216	266	58852	39.862	ng	98
71) Phenanthrene	11.433	178	517710	40.792	ng	99
72) Anthracene	11.486	178	532425	40.904	ng	99
73) Carbazole	11.639	167	469739	41.819	ng	99
74) Di-n-butylphthalate	11.963	149	532302	45.490	ng	100
75) Fluoranthene	12.622	202	503645	41.814	ng	100
77) Benzidine	12.745	184	213892	40.907	ng	99
78) Pyrene	12.857	202	500872	38.396	ng	99
80) Butylbenzylphthalate	13.469	149	172705	45.642	ng	97
81) Benzo(a)anthracene	14.045	228	386926	41.213	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	130270	42.779	ng	99
83) Chrysene	14.080	228	343961	41.058	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	245032	45.007	ng	99
85) Di-n-octyl phthalate	14.639	149	429047	41.794	ng	99
87) Indeno(1,2,3-cd)pyrene	17.063	276	444330	38.579	ng	98
88) Benzo(b)fluoranthene	15.110	252	369007	42.174	ng	99
89) Benzo(k)fluoranthene	15.139	252	345320	42.185	ng	99
90) Benzo(a)pyrene	15.486	252	353665	41.840	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	362287	38.714	ng	98
92) Benzo(g,h,i)perylene	17.521	276	357781	38.341	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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	84	0.00
2		1,4-Dioxane	0.480	0.483	-0.6	88	-0.01
3		Pyridine	1.205	1.219	-1.2	88	0.00
4		n-Nitrosodimethylamine	0.623	0.629	-1.0	89	0.00
5	S	2-Fluorophenol	1.201	1.268	-5.6	93	0.00
6		Aniline	1.886	1.959	-3.9	91	0.00
7	S	Phenol-d6	1.417	1.473	-4.0	93	0.00
8		2-Chlorophenol	1.296	1.373	-5.9	93	0.00
9		Benzaldehyde	0.841	0.751	10.7	84	0.00
10	C	Phenol	1.575	1.619	-2.8	90	0.00
11		bis(2-Chloroethyl)ether	1.126	1.162	-3.2	91	0.00
12		1,3-Dichlorobenzene	1.449	1.511	-4.3	92	0.00
13	C	1,4-Dichlorobenzene	1.462	1.563	-6.9	93	0.00
14		1,2-Dichlorobenzene	1.387	1.457	-5.0	92	0.00
15		Benzyl Alcohol	1.025	1.081	-5.5	93	0.00
16		2,2'-oxybis(1-Chloropropane	1.809	1.791	1.0	88	0.00
17		2-Methylphenol	0.982	1.026	-4.5	92	0.00
18		Hexachloroethane	0.511	0.545	-6.7	92	0.00
19	P	n-Nitroso-di-n-propylamine	0.824	0.862	-4.6	92	0.00
20		3+4-Methylphenols	1.224	1.279	-4.5	92	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.441	0.458	-3.9	92	0.00
23	S	Nitrobenzene-d5	0.365	0.451	-23.6	108	0.00
24		Nitrobenzene	0.330	0.342	-3.6	90	0.00
25		Isophorone	0.585	0.610	-4.3	93	0.00
26	C	2-Nitrophenol	0.180	0.196	-8.9	93	0.00
27		2,4-Dimethylphenol	0.311	0.329	-5.8	93	0.00
28		bis(2-Chloroethoxy)methane	0.372	0.388	-4.3	92	0.00
29	C	2,4-Dichlorophenol	0.282	0.296	-5.0	91	0.00
30		1,2,4-Trichlorobenzene	0.310	0.322	-3.9	91	0.00
31		Naphthalene	0.979	1.021	-4.3	92	0.00
32		Benzoic acid	0.159	0.168	-5.7	90	0.00
33		4-Chloroaniline	0.398	0.419	-5.3	94	0.00
34	C	Hexachlorobutadiene	0.190	0.197	-3.7	90	0.00
35		Caprolactam	0.075	0.086	-14.7	101	0.00
36	C	4-Chloro-3-methylphenol	0.281	0.297	-5.7	93	0.00
37		2-Methylnaphthalene	0.607	0.630	-3.8	92	0.00
38		1-Methylnaphthalene	0.628	0.657	-4.6	93	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.590	0.606	-2.7	94	0.00
41	P	Hexachlorocyclopentadiene	0.335	0.307	8.4	79	0.00
42	S	2,4,6-Tribromophenol	0.206	0.217	-5.3	94	0.00
43	C	2,4,6-Trichlorophenol	0.385	0.393	-2.1	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.419	-3.5	93	0.00
45	S	2-Fluorobiphenyl	1.522	1.783	-17.1	108	0.00
46		1,1'-Biphenyl	1.580	1.619	-2.5	93	0.00
47		2-Chloronaphthalene	1.186	1.205	-1.6	92	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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	0.350	-5.4	93	0.00
49		Acenaphthylene	1.952	2.007	-2.8	93	0.00
50		Dimethylphthalate	1.295	1.378	-6.4	97	0.00
51		2,6-Dinitrotoluene	0.284	0.300	-5.6	93	0.00
52	C	Acenaphthene	1.191	1.235	-3.7	94	0.00
53		3-Nitroaniline	0.313	0.334	-6.7	95	0.00
54	P	2,4-Dinitrophenol	0.142	0.145	-2.1	88	0.00
55		Dibenzofuran	1.708	1.749	-2.4	93	0.00
56	P	4-Nitrophenol	0.214	0.216	-0.9	90	0.00
57		2,4-Dinitrotoluene	0.378	0.410	-8.5	97	0.00
58		Fluorene	1.334	1.383	-3.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	0.326	0.340	-4.3	94	0.00
60		Diethylphthalate	1.269	1.368	-7.8	98	0.00
61		4-Chlorophenyl-phenylether	0.636	0.666	-4.7	96	0.00
62		4-Nitroaniline	0.286	0.323	-12.9	103	0.00
63		Azobenzene	1.134	1.160	-2.3	93	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	0.121	0.130	-7.4	97	0.00
66	c	n-Nitrosodiphenylamine	0.693	0.709	-2.3	94	0.00
67		4-Bromophenyl-phenylether	0.228	0.236	-3.5	96	0.00
68		Hexachlorobenzene	0.253	0.258	-2.0	95	0.00
69		Atrazine	0.179	0.204	-14.0	105	0.00
70	C	Pentachlorophenol	0.126	0.126	0.0	89	0.00
71		Phenanthrene	1.083	1.105	-2.0	95	0.00
72		Anthracene	1.111	1.136	-2.3	95	0.00
73		Carbazole	0.959	1.002	-4.5	99	0.00
74		Di-n-butylphthalate	0.999	1.136	-13.7	107	0.00
75	C	Fluoranthene	1.028	1.075	-4.6	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.751	0.768	-2.3	97	0.00
78		Pyrene	1.875	1.800	4.0	101	0.00
79	S	Terphenyl-d14	1.447	1.565	-8.2	115	0.00
80		Butylbenzylphthalate	0.544	0.620	-14.0	111	0.00
81		Benzo(a)anthracene	1.349	1.390	-3.0	107	0.00
82		3,3'-Dichlorobenzidine	0.438	0.468	-6.8	107	0.00
83		Chrysene	1.204	1.236	-2.7	104	0.00
84		Bis(2-ethylhexyl)phthalate	0.782	0.880	-12.5	107	0.00
85	c	Di-n-octyl phthalate	1.475	1.541	-4.5	103	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.523	1.469	3.5	89	0.00
88		Benzo(b)fluoranthene	1.157	1.220	-5.4	101	0.00
89		Benzo(k)fluoranthene	1.083	1.142	-5.4	98	0.00
90	C	Benzo(a)pyrene	1.118	1.169	-4.6	97	0.00
91		Dibenzo(a,h)anthracene	1.238	1.198	3.2	90	0.00
92		Benzo(g,h,i)perylene	1.234	1.183	4.1	88	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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	84	0.00
2		1,4-Dioxane	40.000	40.186	-0.5	88	-0.01
3		Pyridine	40.000	40.487	-1.2	88	0.00
4		n-Nitrosodimethylamine	40.000	40.420	-1.1	89	0.00
5	S	2-Fluorophenol	80.000	84.443	-5.6	93	0.00
6		Aniline	40.000	41.552	-3.9	91	0.00
7	S	Phenol-d6	80.000	83.149	-3.9	93	0.00
8		2-Chlorophenol	40.000	42.392	-6.0	93	0.00
9		Benzaldehyde	40.000	35.722	10.7	84	0.00
10	C	Phenol	40.000	41.099	-2.7	90	0.00
11		bis(2-Chloroethyl)ether	40.000	41.264	-3.2	91	0.00
12		1,3-Dichlorobenzene	40.000	41.714	-4.3	92	0.00
13	C	1,4-Dichlorobenzene	40.000	42.749	-6.9	93	0.00
14		1,2-Dichlorobenzene	40.000	42.033	-5.1	92	0.00
15		Benzyl Alcohol	40.000	42.208	-5.5	93	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.605	1.0	88	0.00
17		2-Methylphenol	40.000	41.790	-4.5	92	0.00
18		Hexachloroethane	40.000	42.629	-6.6	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.849	-4.6	92	0.00
20		3+4-Methylphenols	40.000	41.797	-4.5	92	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	41.515	-3.8	92	0.00
23	S	Nitrobenzene-d5	80.000	99.057	-23.8	108	0.00
24		Nitrobenzene	40.000	41.412	-3.5	90	0.00
25		Isophorone	40.000	41.696	-4.2	93	0.00
26	C	2-Nitrophenol	40.000	43.570	-8.9	93	0.00
27		2,4-Dimethylphenol	40.000	42.301	-5.8	93	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.746	-4.4	92	0.00
29	C	2,4-Dichlorophenol	40.000	41.895	-4.7	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.519	-3.8	91	0.00
31		Naphthalene	40.000	41.731	-4.3	92	0.00
32		Benzoic acid	40.000	42.249	-5.6	90	0.00
33		4-Chloroaniline	40.000	42.142	-5.4	94	0.00
34	C	Hexachlorobutadiene	40.000	41.536	-3.8	90	0.00
35		Caprolactam	40.000	46.097	-15.2	101	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.314	-5.8	93	0.00
37		2-Methylnaphthalene	40.000	41.521	-3.8	92	0.00
38		1-Methylnaphthalene	40.000	41.811	-4.5	93	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.104	-2.8	94	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.646	8.4	79	0.00
42	S	2,4,6-Tribromophenol	80.000	84.497	-5.6	94	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.872	-2.2	93	0.00
44		2,4,5-Trichlorophenol	40.000	41.435	-3.6	93	0.00
45	S	2-Fluorobiphenyl	80.000	93.716	-17.1	108	0.00
46		1,1'-Biphenyl	40.000	40.991	-2.5	93	0.00
47		2-Chloronaphthalene	40.000	40.645	-1.6	92	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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	42.158	-5.4	93	0.00
49		Acenaphthylene	40.000	41.130	-2.8	93	0.00
50		Dimethylphthalate	40.000	42.591	-6.5	97	0.00
51		2,6-Dinitrotoluene	40.000	42.169	-5.4	93	0.00
52	C	Acenaphthene	40.000	41.495	-3.7	94	0.00
53		3-Nitroaniline	40.000	42.653	-6.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	40.800	-2.0	88	0.00
55		Dibenzofuran	40.000	40.981	-2.5	93	0.00
56	P	4-Nitrophenol	40.000	40.238	-0.6	90	0.00
57		2,4-Dinitrotoluene	40.000	43.469	-8.7	97	0.00
58		Fluorene	40.000	41.470	-3.7	95	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.633	-4.1	94	0.00
60		Diethylphthalate	40.000	43.114	-7.8	98	0.00
61		4-Chlorophenyl-phenylether	40.000	41.853	-4.6	96	0.00
62		4-Nitroaniline	40.000	45.151	-12.9	103	0.00
63		Azobenzene	40.000	40.890	-2.2	93	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.988	-7.5	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.929	-2.3	94	0.00
67		4-Bromophenyl-phenylether	40.000	41.431	-3.6	96	0.00
68		Hexachlorobenzene	40.000	40.826	-2.1	95	0.00
69		Atrazine	40.000	45.621	-14.1	105	0.00
70	C	Pentachlorophenol	40.000	39.862	0.3	89	0.00
71		Phenanthrene	40.000	40.792	-2.0	95	0.00
72		Anthracene	40.000	40.904	-2.3	95	0.00
73		Carbazole	40.000	41.819	-4.5	99	0.00
74		Di-n-butylphthalate	40.000	45.490	-13.7	107	0.00
75	C	Fluoranthene	40.000	41.814	-4.5	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	40.907	-2.3	97	0.00
78		Pyrene	40.000	38.396	4.0	101	0.00
79	S	Terphenyl-d14	80.000	86.486	-8.1	115	0.00
80		Butylbenzylphthalate	40.000	45.642	-14.1	111	0.00
81		Benzo(a)anthracene	40.000	41.213	-3.0	107	0.00
82		3,3'-Dichlorobenzidine	40.000	42.779	-6.9	107	0.00
83		Chrysene	40.000	41.058	-2.6	104	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.007	-12.5	107	0.00
85	c	Di-n-octyl phthalate	40.000	41.794	-4.5	103	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.579	3.6	89	0.00
88		Benzo(b)fluoranthene	40.000	42.174	-5.4	101	0.00
89		Benzo(k)fluoranthene	40.000	42.185	-5.5	98	0.00
90	C	Benzo(a)pyrene	40.000	41.840	-4.6	97	0.00
91		Dibenzo(a,h)anthracene	40.000	38.714	3.2	90	0.00
92		Benzo(g,h,i)perylene	40.000	38.341	4.1	88	0.00

Sample Results: **BF142882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142882.D
Acq On : 27 Jun 2025 09:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jun 27 11:46:40 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

QC SAMPLE DATA

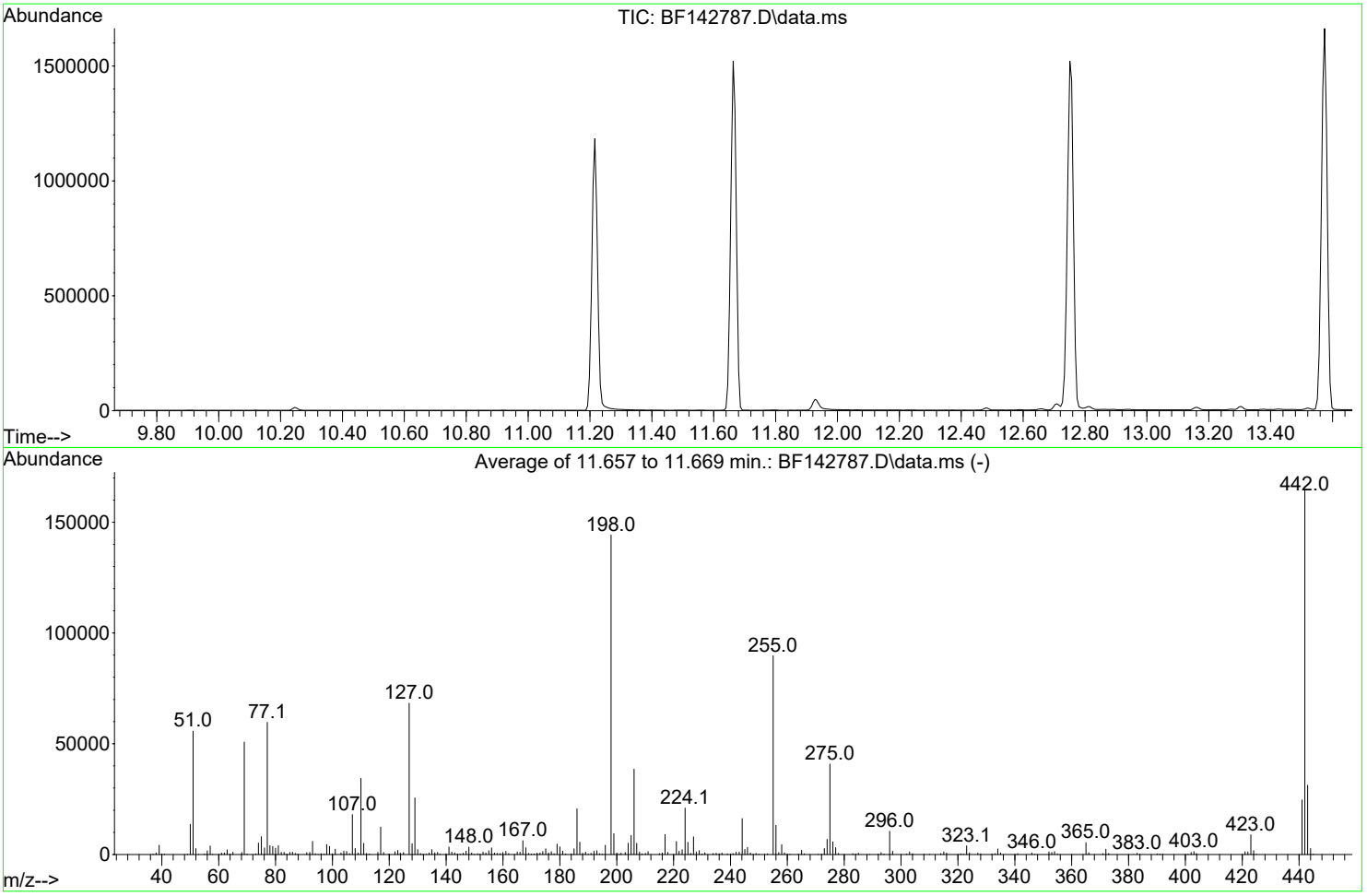
Sample Results: **BF142787.D**

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

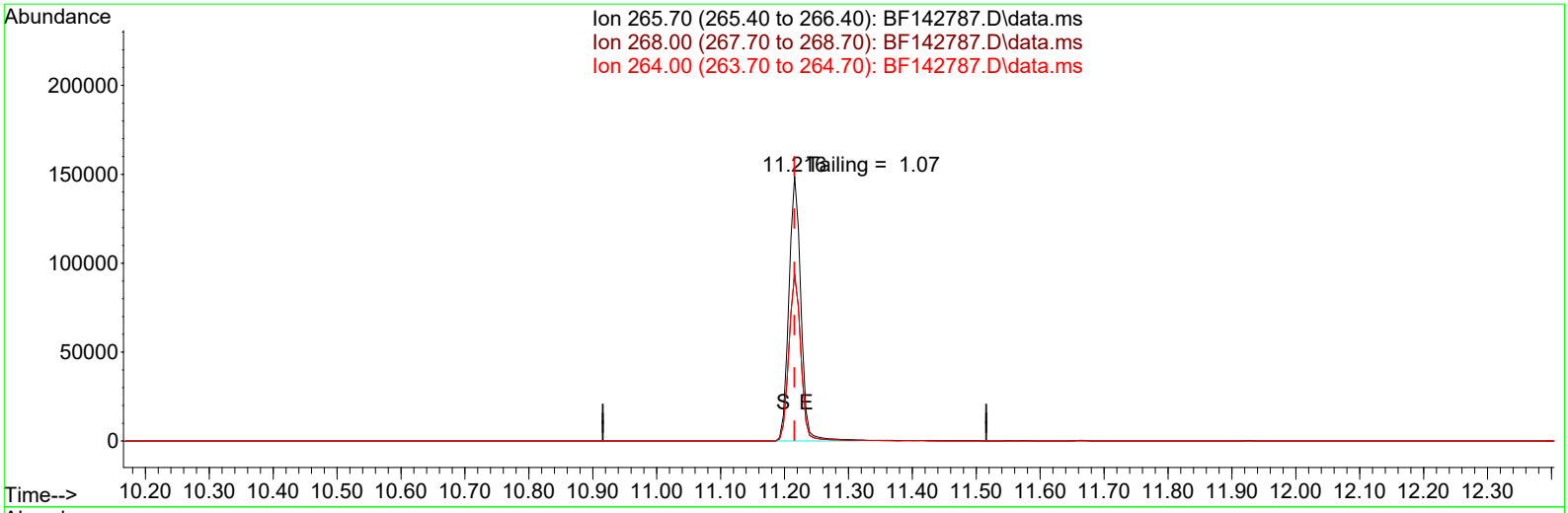
Instrument :
BNA_F
ClientSampleId :
DFTPP

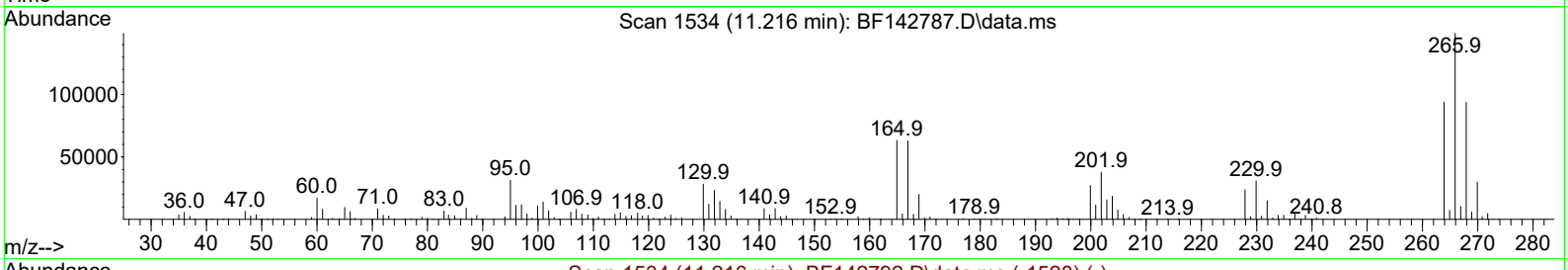
Sample Results: **BF142787.D**

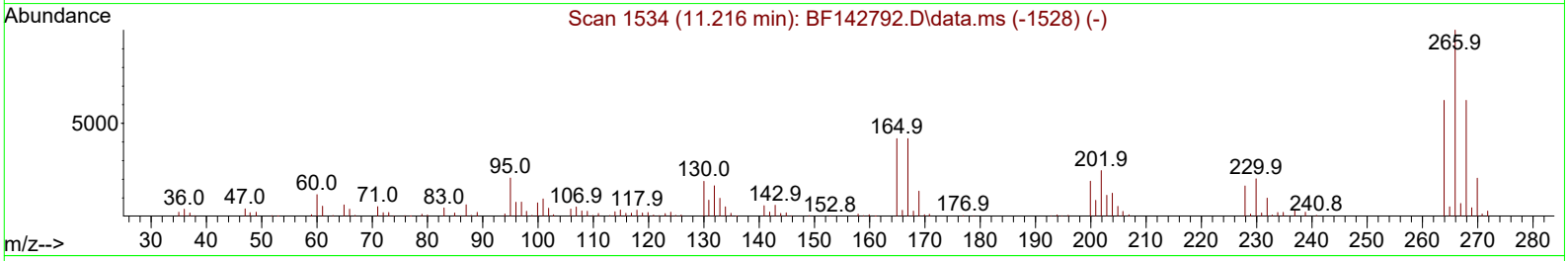
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

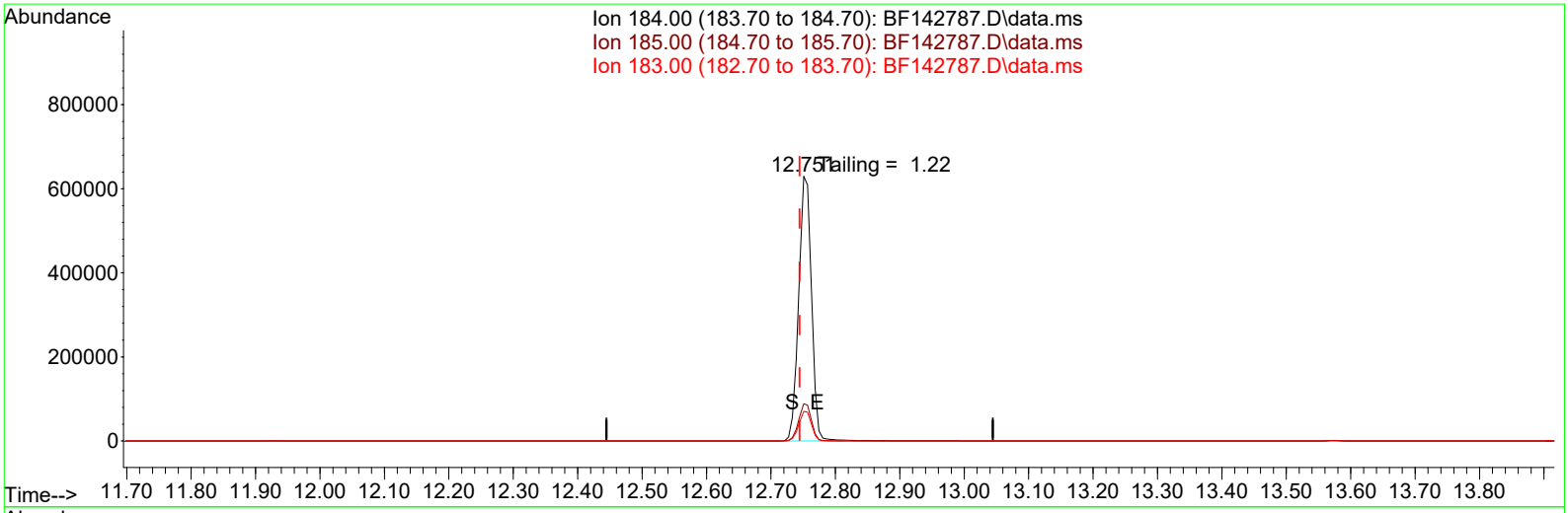
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.94
264.00	62.40	63.12
0.00	0.00	0.00

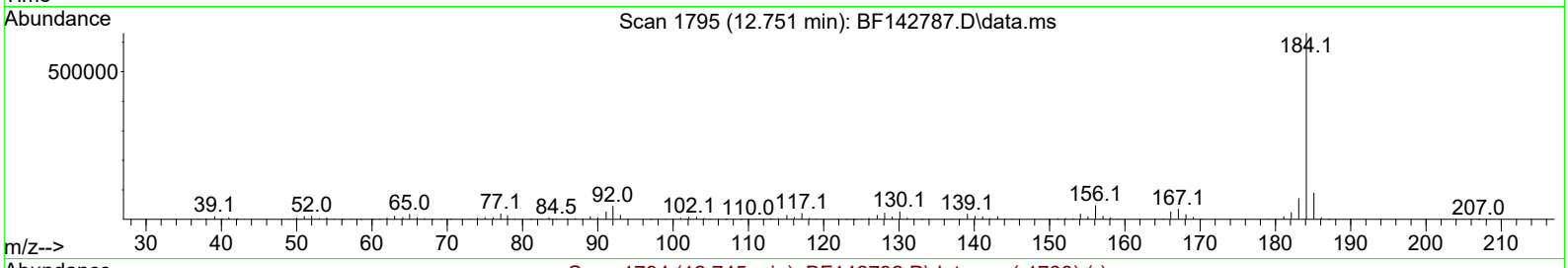
Sample Results: **BF142787.D**

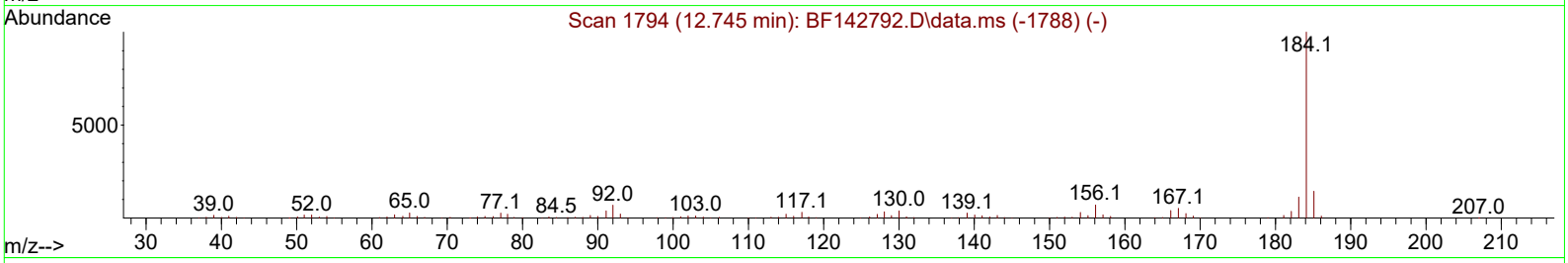
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061925\
Data File : BF142787.D
Acq On : 19 Jun 2025 16:37
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

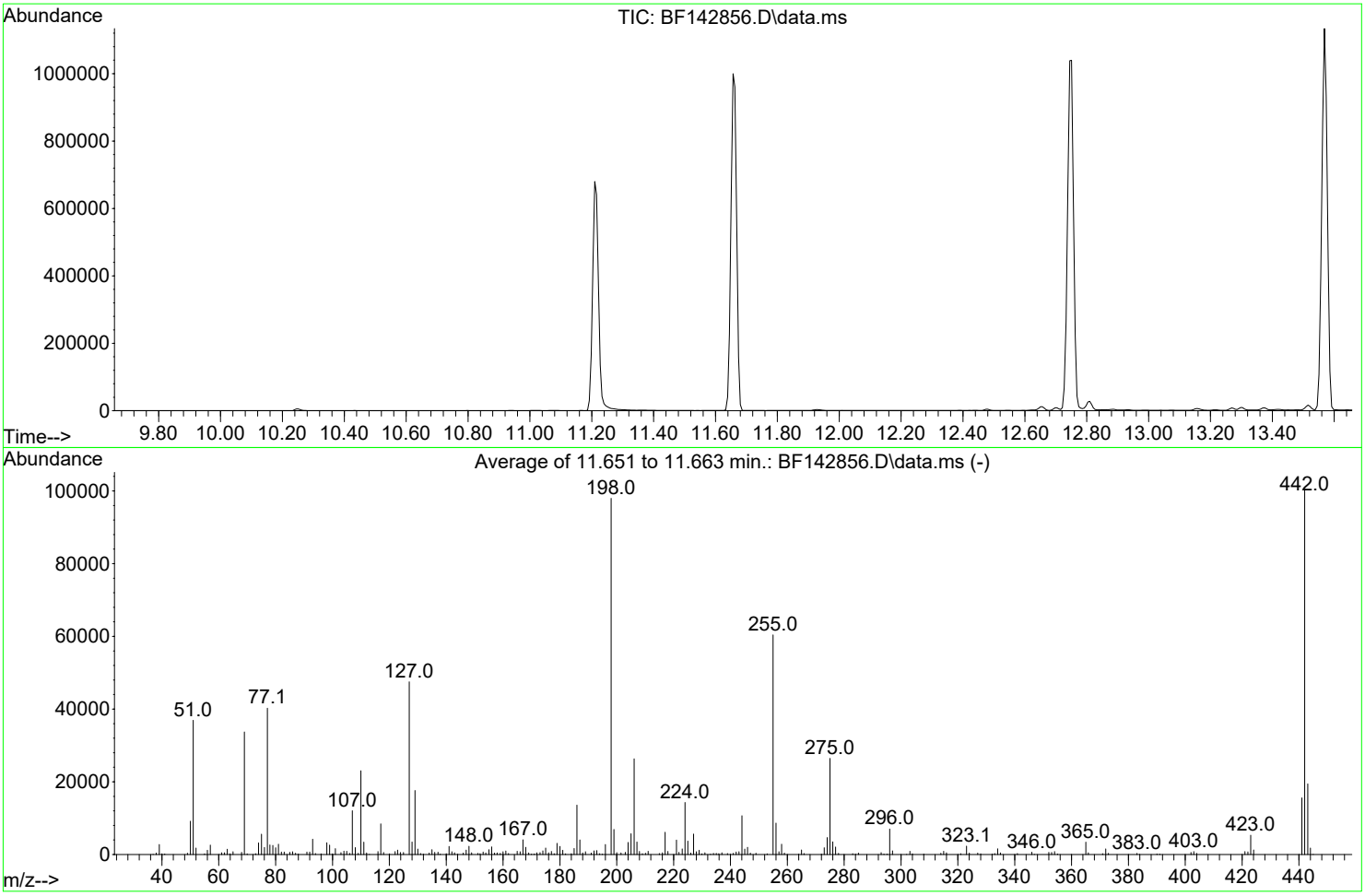
Sample Results: **BF142856.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
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	1.8	602	PASS
69	69	100	100	100.0	33723	PASS
70	69	0.00	2	0.6	189	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	97987	PASS
199	198	5	9	7.0	6886	PASS
365	198	1	100	3.5	3393	PASS
441	443	0.01	150	80.1	15571	PASS
442	442	100	100	100.0	100104	PASS
443	442	15	24	19.4	19440	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/26/2025	BNA_F	BF142856.D
Compound Name	**Response**	**Retention Time**
DDT	291948	13.568
DDD	5615	13.298
DDE	466	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6081	298029	2.04

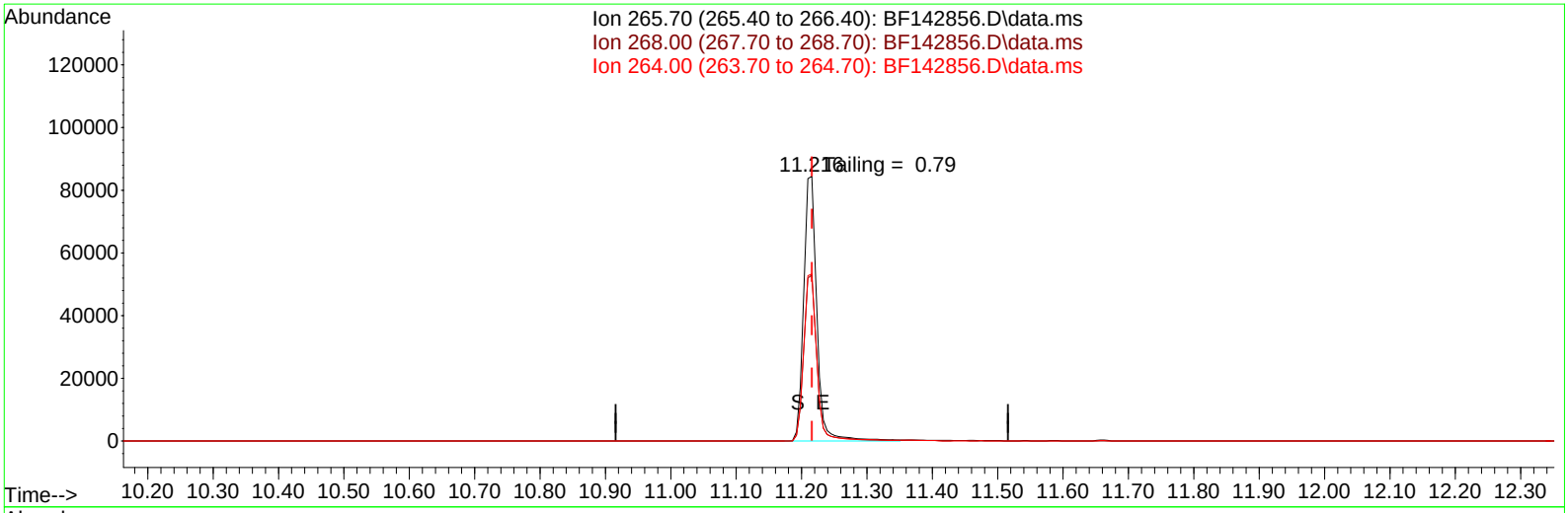
Instrument :
BNA_F
ClientSampleId :
DFTPP

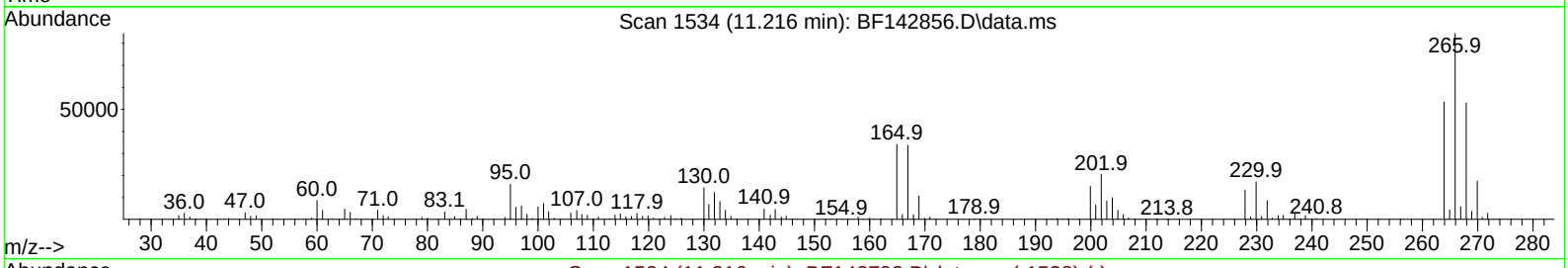
Sample Results: **BF142856.D**

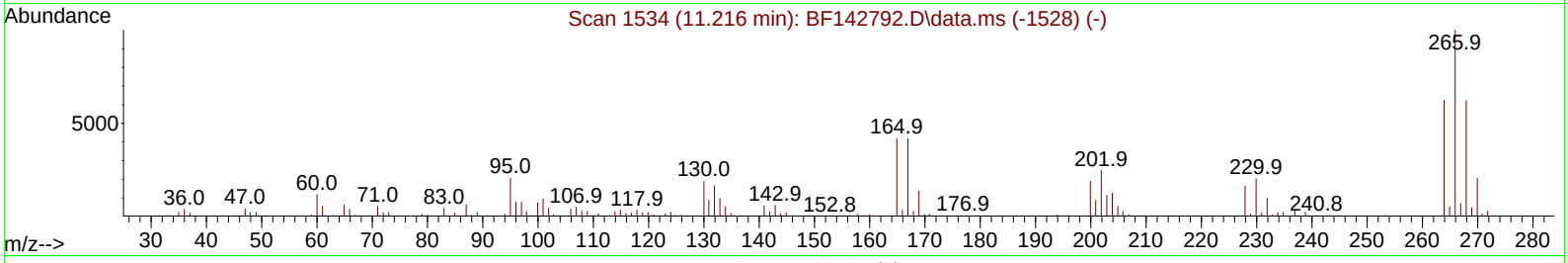
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 26 11:10:41 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







TIC: BF142856.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.000) 32945.90 ng

response 118961

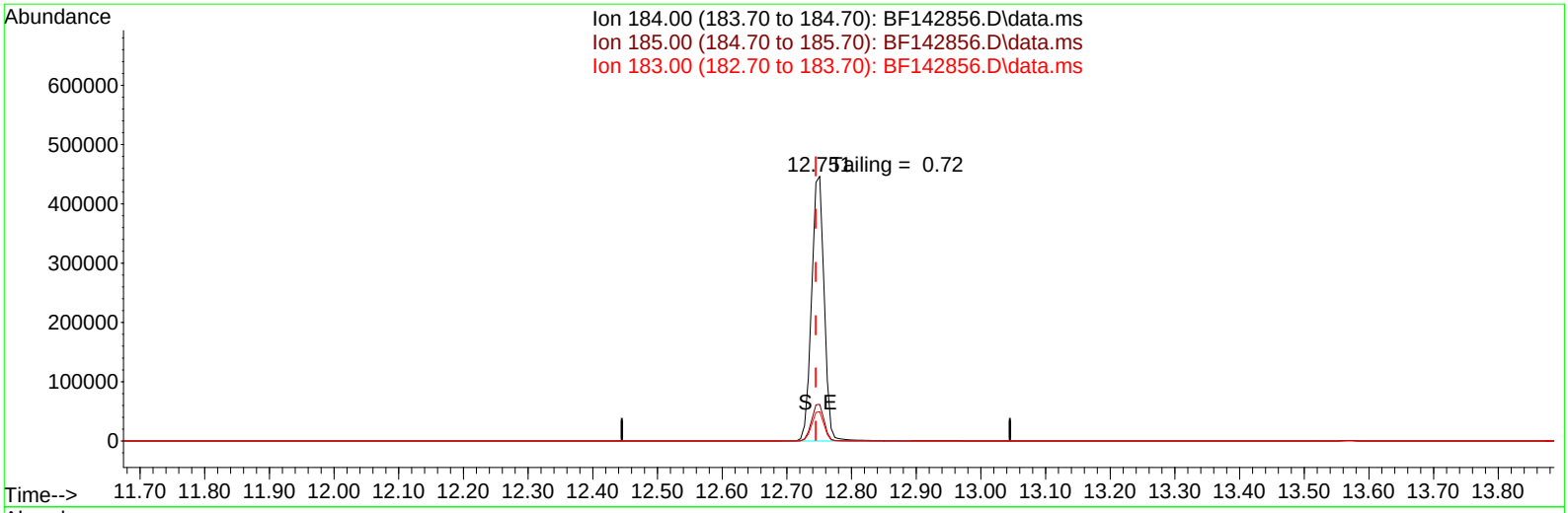
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	62.68
264.00	62.40	63.11
0.00	0.00	0.00

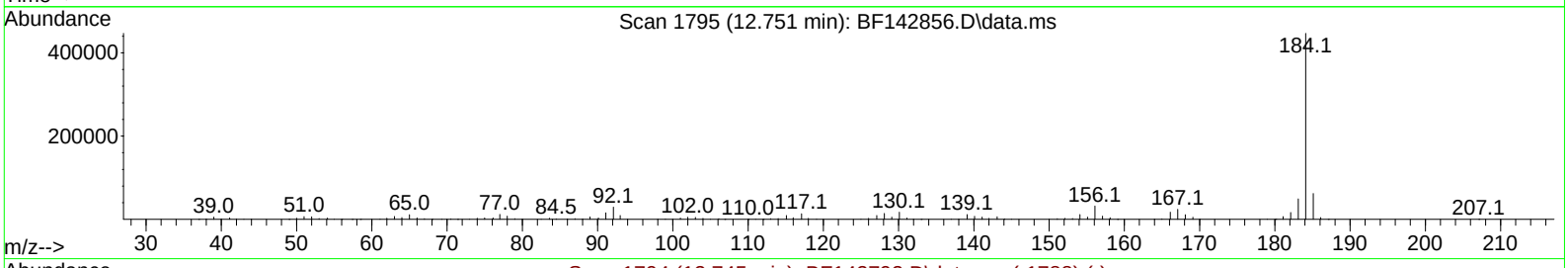
Sample Results: **BF142856.D**

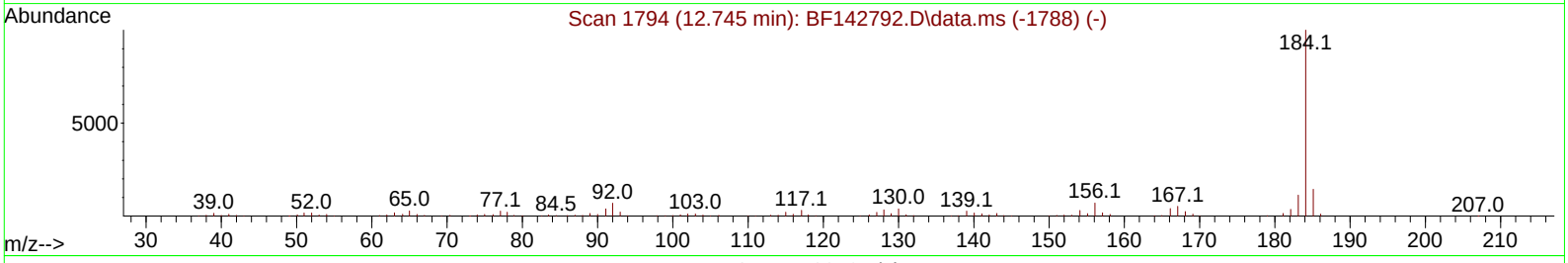
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142856.D
Acq On : 26 Jun 2025 09:10
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 26 11:10:41 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







TIC: BF142856.D\data.ms

(77) Benzidine

12.751min (+ 0.006) 0.00 ng

response 609276

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.87
183.00	11.20	11.04
0.00	0.00	0.00

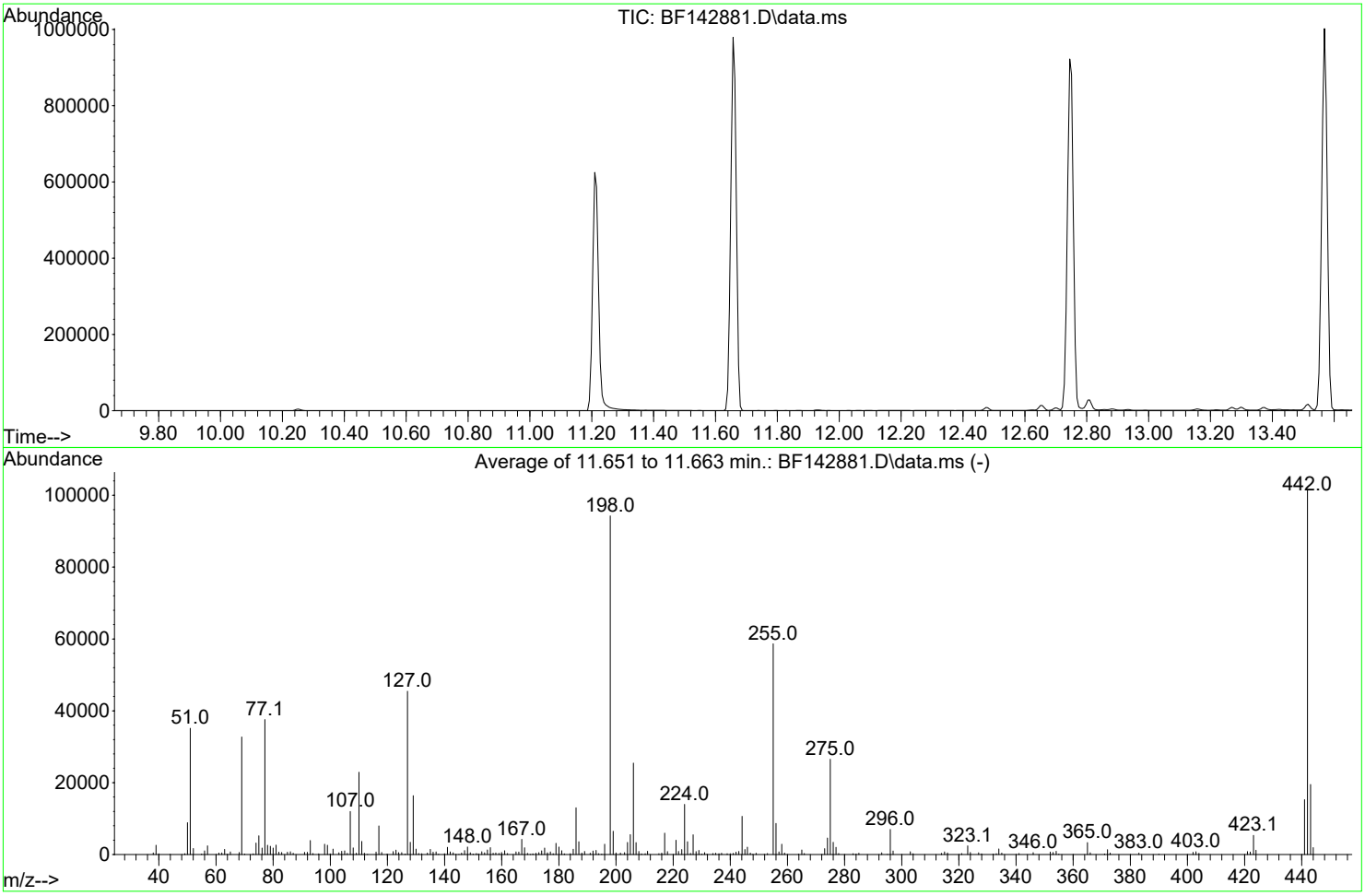
Sample Results: **BF142881.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
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	1.8	593	PASS
69	69	100	100	100.0	32725	PASS
70	69	0.00	2	0.4	117	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	94272	PASS
199	198	5	9	6.9	6501	PASS
365	198	1	100	3.5	3336	PASS
441	443	0.01	150	78.5	15290	PASS
442	442	100	100	100.0	101312	PASS
443	442	15	24	19.2	19487	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/27/2025	BNA_F	BF142881.D
Compound Name	**Response**	**Retention Time**
DDT	257142	13.568
DDD	5962	13.268
DDE	683	12.933
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6645	263787	2.52

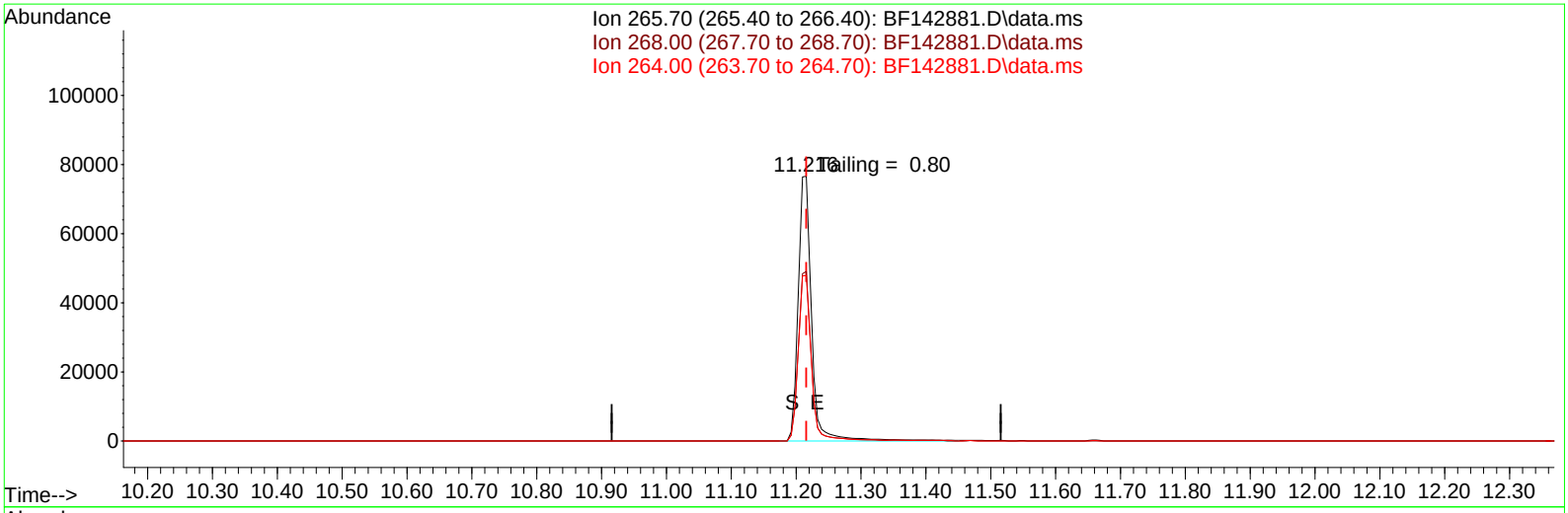
Instrument :
BNA_F
ClientSampleId :
DFTPP

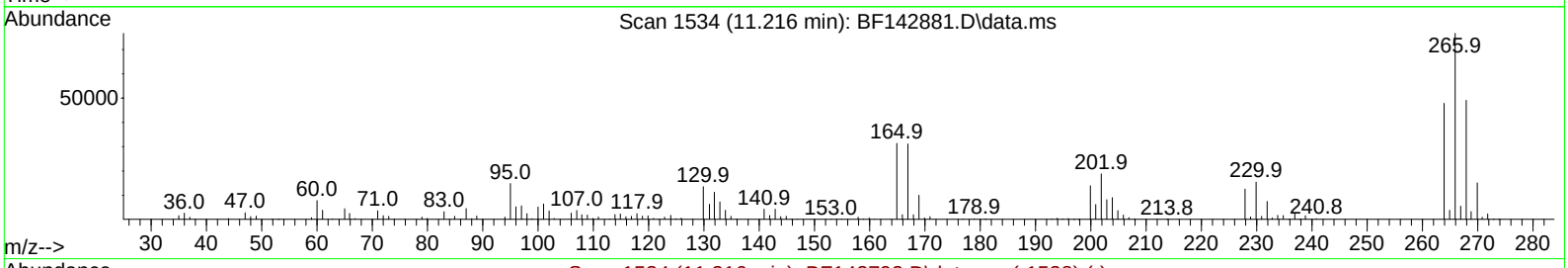
Sample Results: **BF142881.D**

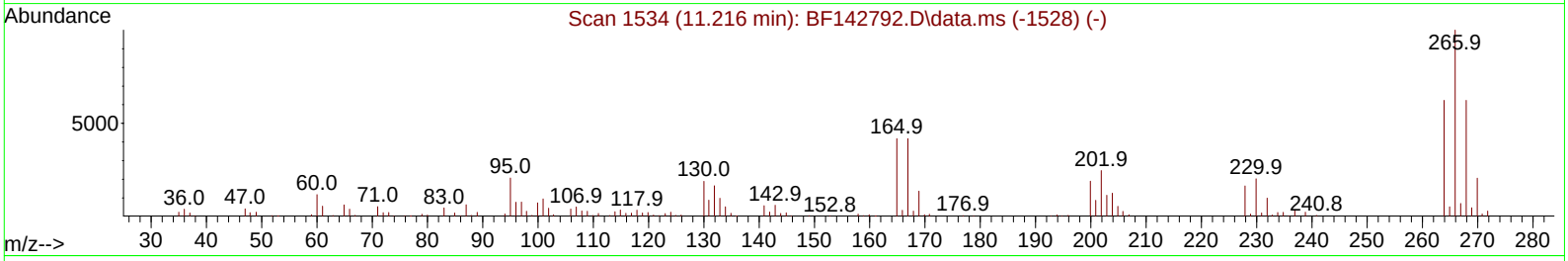
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 27 11:46:17 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: BF142881.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.000) 30391.06 ng

response 110119

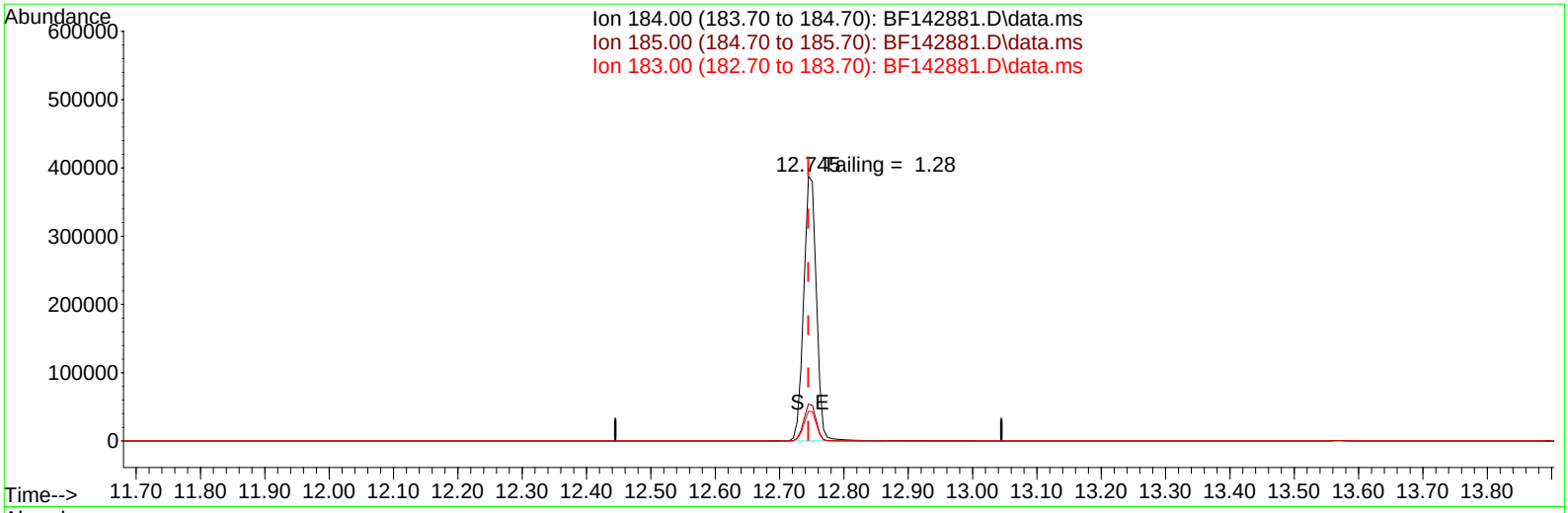
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.30	64.06
264.00	62.40	62.50
0.00	0.00	0.00

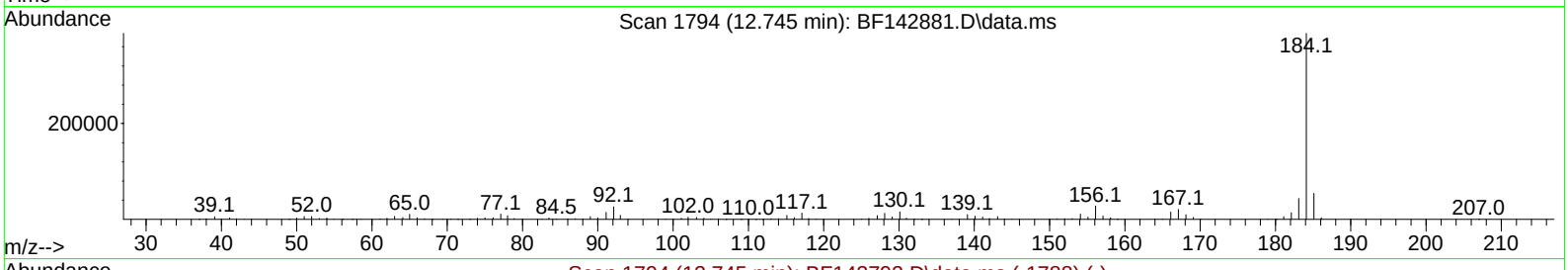
Sample Results: **BF142881.D**

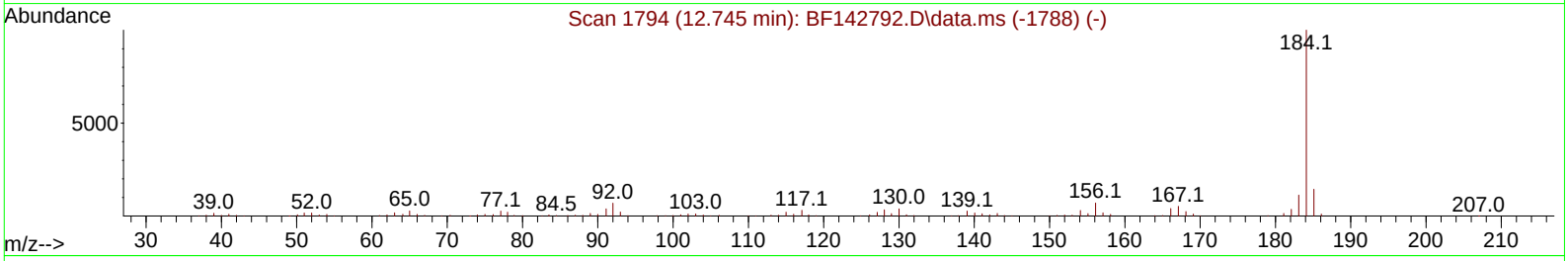
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142881.D
Acq On : 27 Jun 2025 09:21
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jun 27 11:46:17 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: BF142881.D\data.ms

(77) Benzidine

12.745min (0.000) 0.00 ng

response 535637

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.98
183.00	11.20	11.30
0.00	0.00	0.00

Raw Data: **BF142884.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168625BL	SDG No.:	Q2413
Lab Sample ID:	PB168625BL	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
BF142884.D	1	06/26/25 09:20	06/27/25 10:49	PB168625

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: **BF142884.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168625BL			SDG No.:	Q2413
Lab Sample ID:	PB168625BL			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
BF142884.D	1	06/26/25 09:20	06/27/25 10:49	PB168625

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: **BF142884.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168625BL			SDG No.:	Q2413
Lab Sample ID:	PB168625BL			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
BF142884.D	1	06/26/25 09:20	06/27/25 10:49	PB168625

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	127		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	127		15 - 107	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.6		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		10 - 116	89%	SPK: 150
1718-51-0	Terphenyl-d14	78.5		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	77100	6.875			
1146-65-2	Naphthalene-d8	295000	8.157			
15067-26-2	Acenaphthene-d10	163000	9.916			
1517-22-2	Phenanthrene-d10	285000	11.404			
1719-03-5	Chrysene-d12	168000	14.051			
1520-96-3	Perylene-d12	159000	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\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Quant Time: Jun 27 11:47:24 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	77055	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	295430	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	162519	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	284575	20.000	ng	0.00
76) Chrysene-d12	14.051	240	168482	20.000	ng	0.00
86) Perylene-d12	15.545	264	158706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585667	126.545	ng	0.01
7) Phenol-d6	6.504	99	692386	126.804	ng	0.00
23) Nitrobenzene-d5	7.440	82	439469	81.594	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	223294	133.515	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	957296	77.380	ng	-0.01
79) Terphenyl-d14	12.998	244	957194	78.498	ng	0.00
Target Compounds						Qvalue

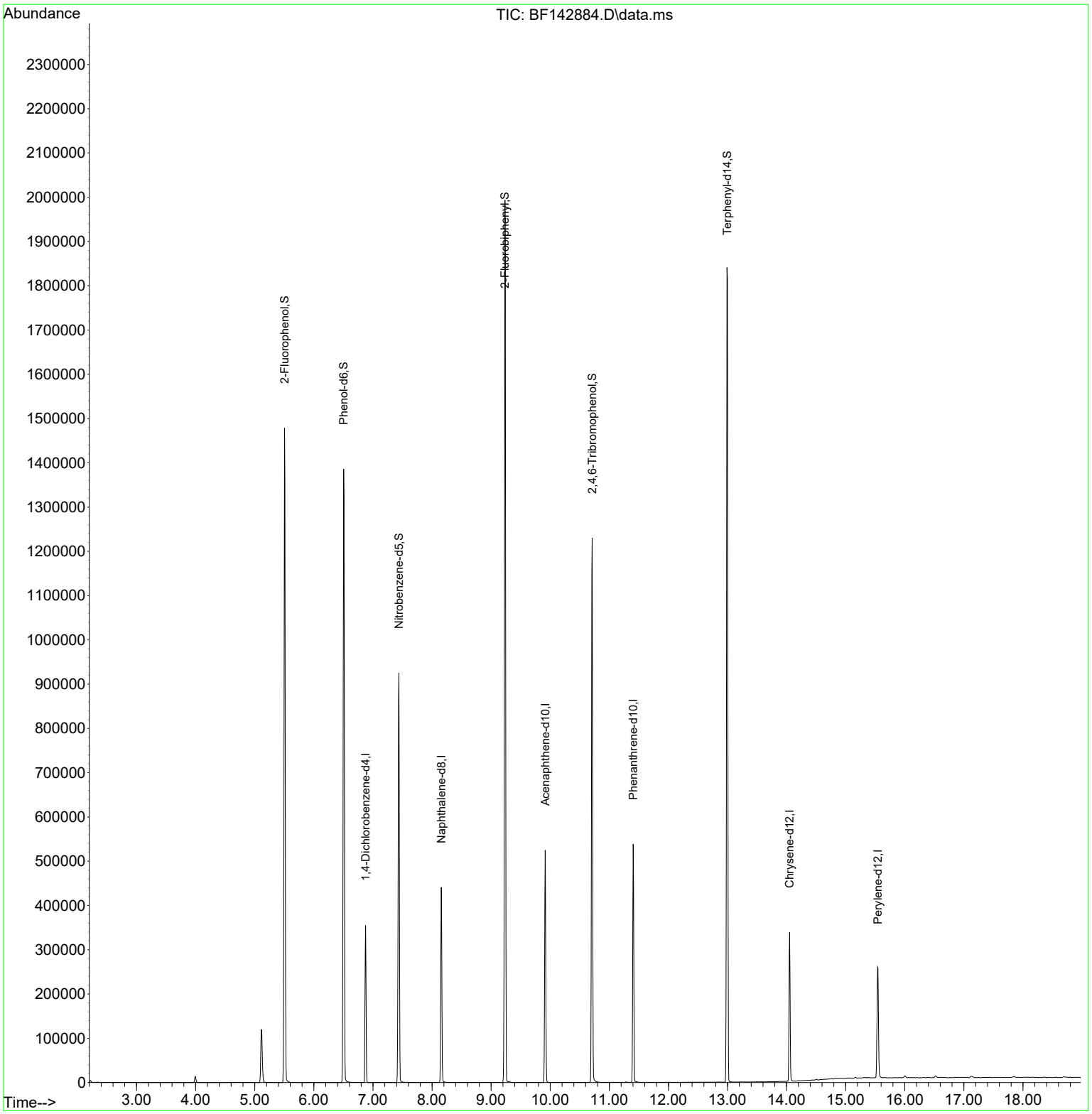
(#) = qualifier out of range (m) = manual integration (+) = signals summed

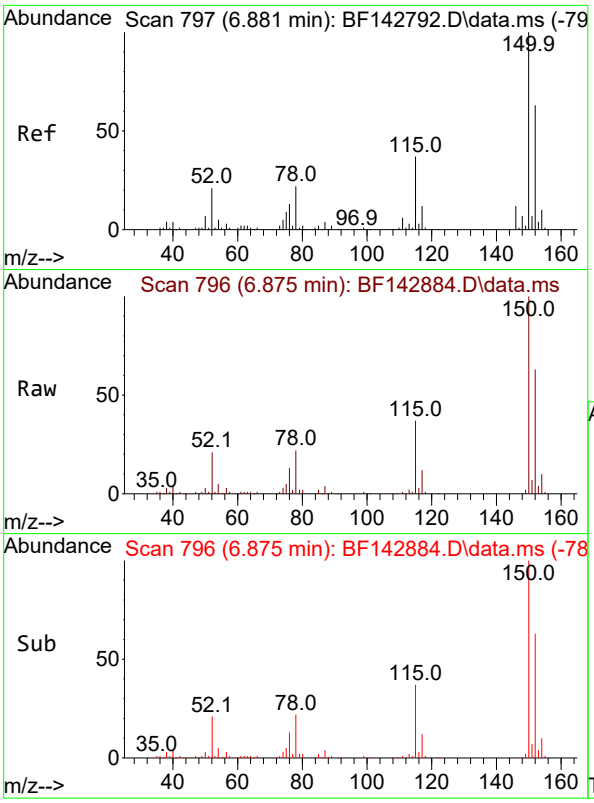
Sample Results: **BF142884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Quant Time: Jun 27 11:47:24 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



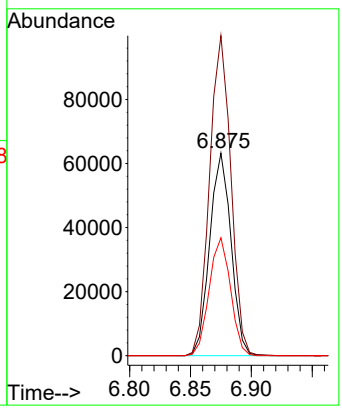


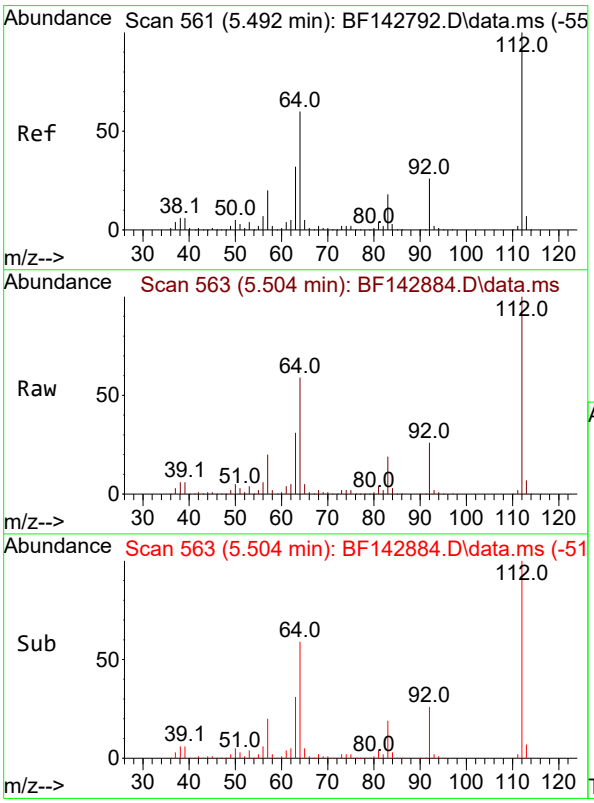
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion:152 Resp: 77055

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.2	190.8
115	58.3	46.6	69.8

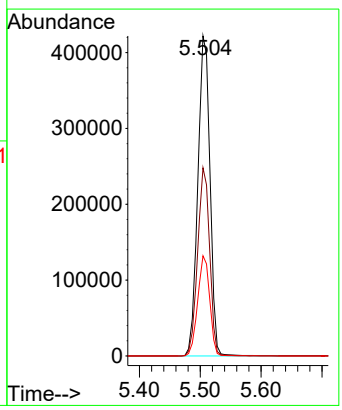


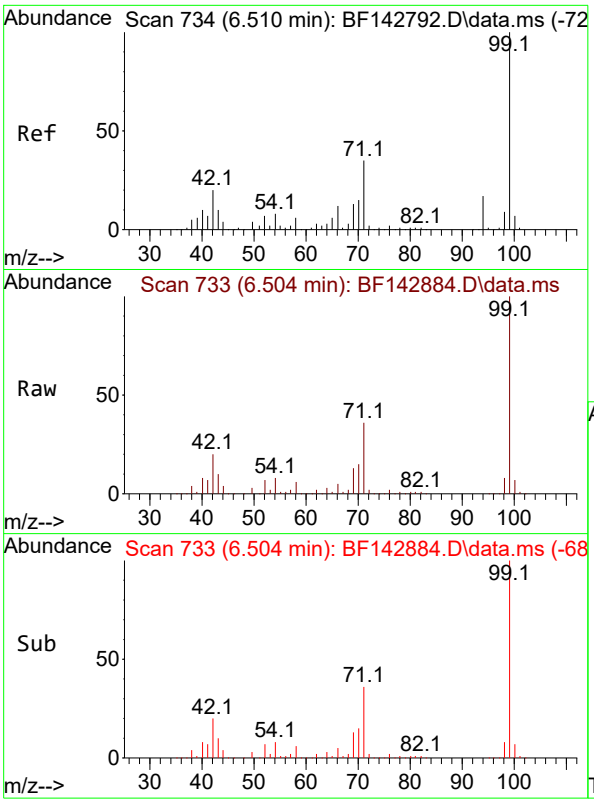


#5
2-Fluorophenol
Concen: 126.545 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:112 Resp: 585667

Ion	Ratio	Lower	Upper
112	100		
64	58.8	48.2	72.2
63	31.3	25.7	38.5



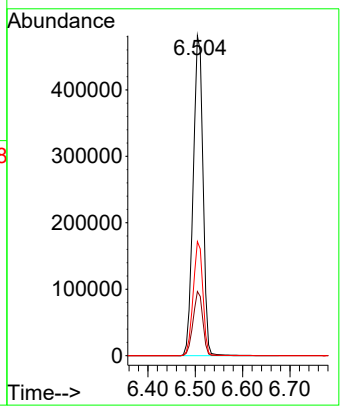


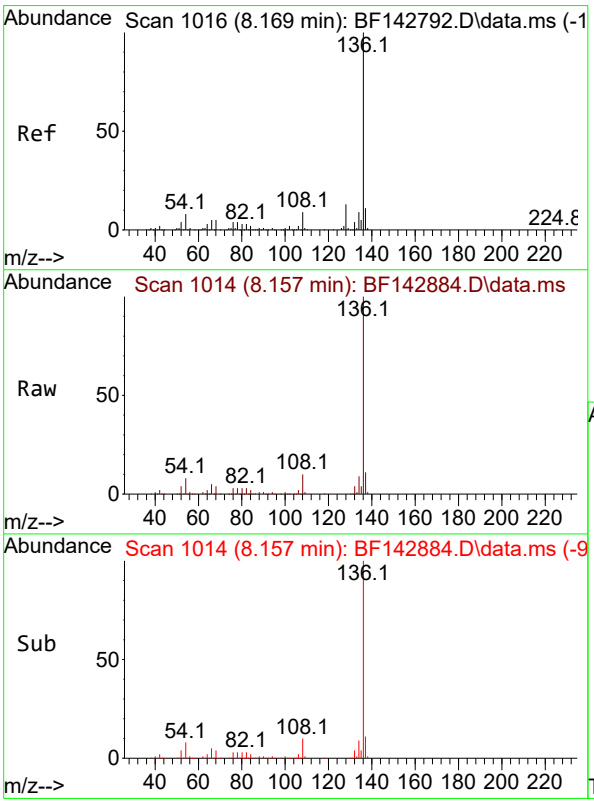
#7
Phenol-d6
Concen: 126.804 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion: 99 Resp: 692386

Ion	Ratio	Lower	Upper
99	100		
42	20.0	15.9	23.9
71	35.6	27.8	41.8

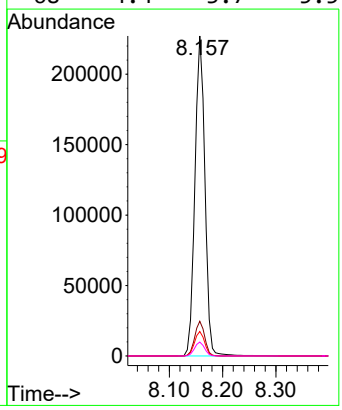


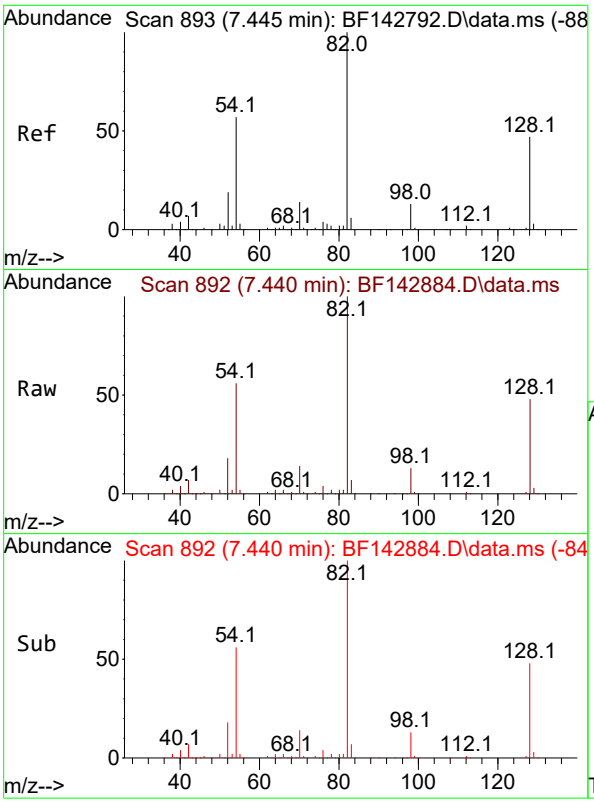


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:136 Resp: 295430

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.7	6.3	9.5
68	4.4	3.7	5.5



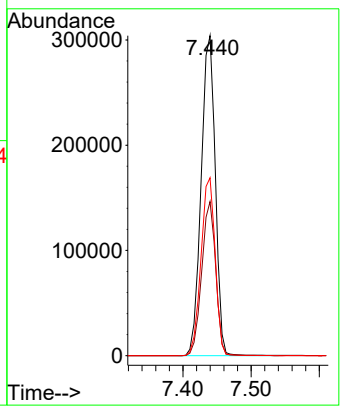


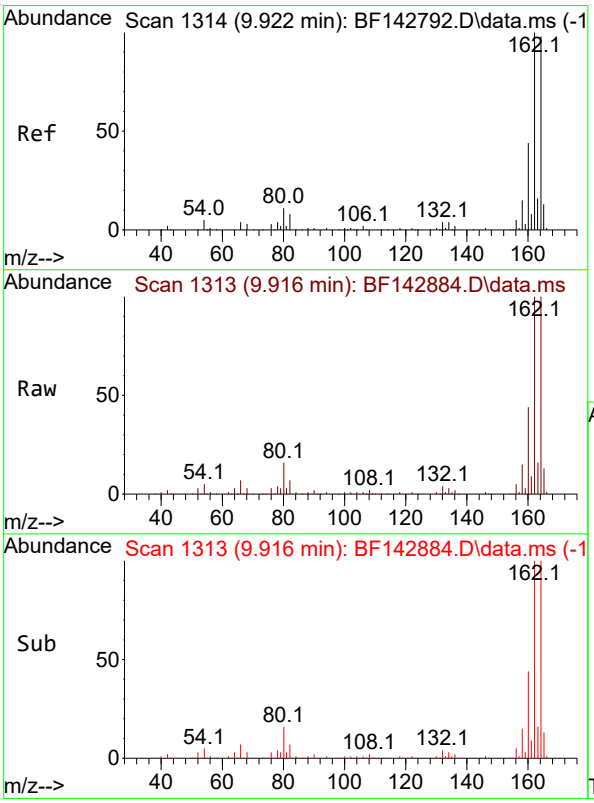
#23
Nitrobenzene-d5
Concen: 81.594 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.005 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion: 82 Resp: 439469

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	55.6	45.7	68.5

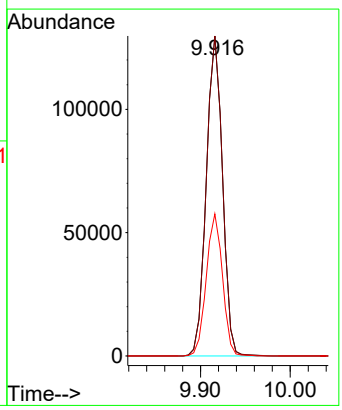


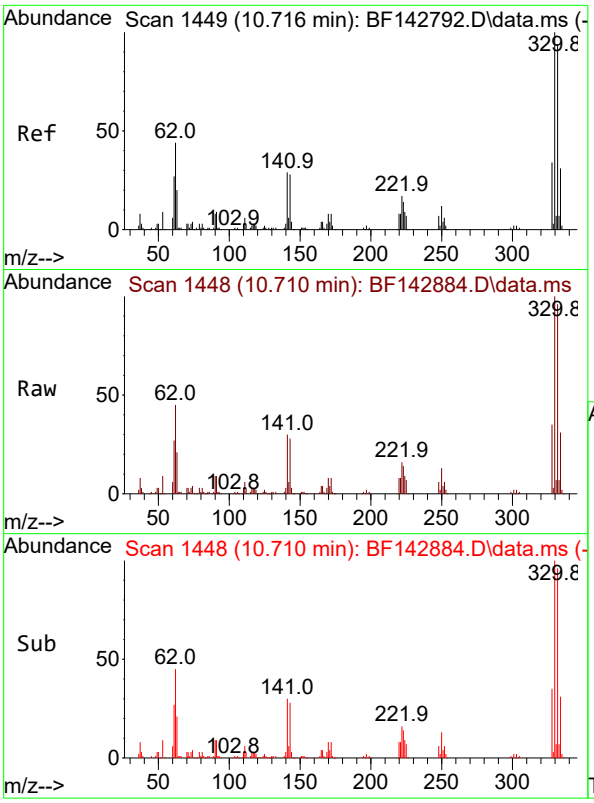


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:164 Resp: 162519

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.8	122.8
160	44.4	36.0	54.0



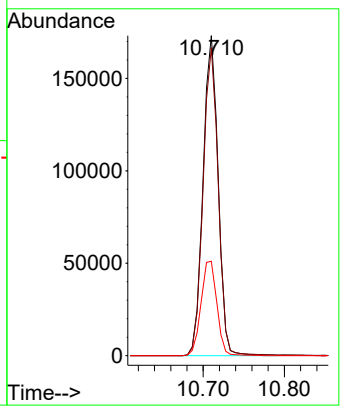


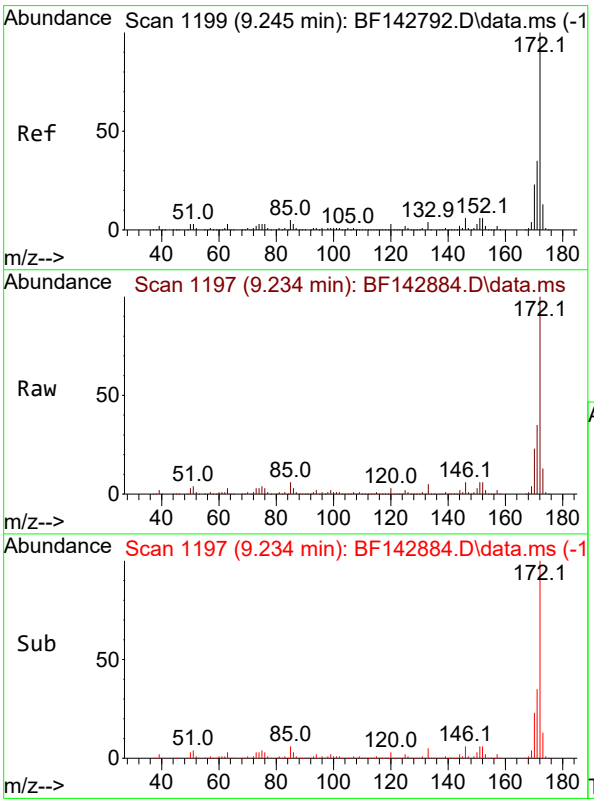
#42
2,4,6-Tribromophenol
Concen: 133.515 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion:330 Resp: 223294

Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.0	112.6
141	31.0	25.3	37.9

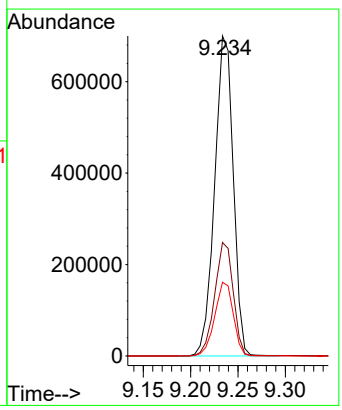


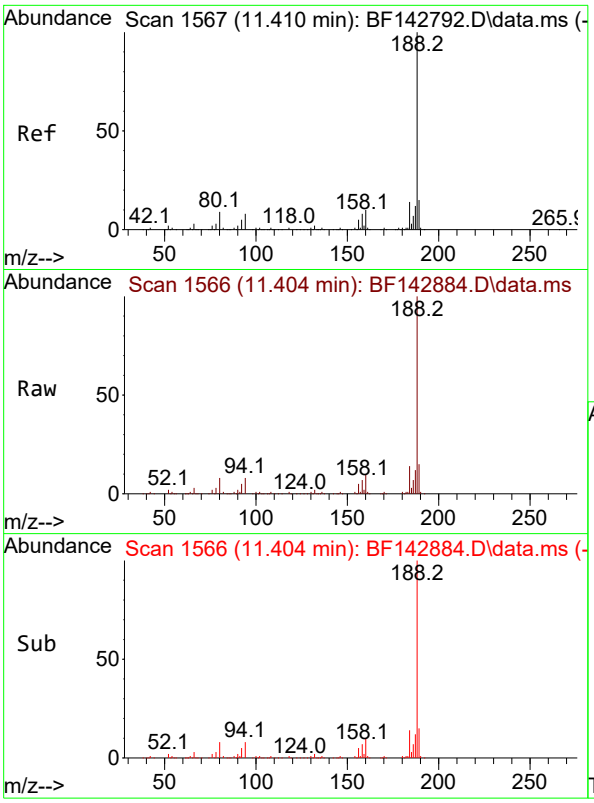


#45
2-Fluorobiphenyl
Concen: 77.380 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:172 Resp: 957296

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.0	18.5	27.7



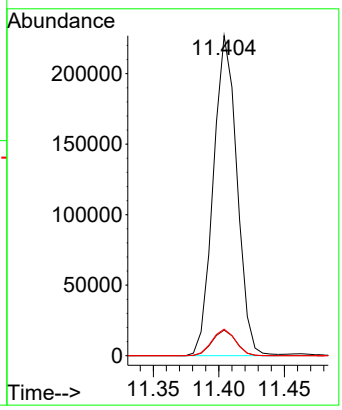


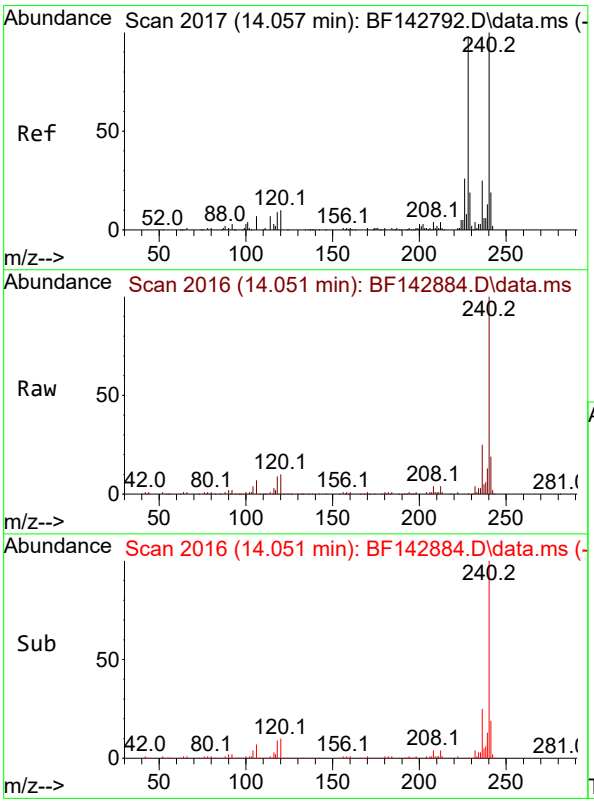
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion:188 Resp: 284575

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.7	10.1
80	8.3	6.9	10.3

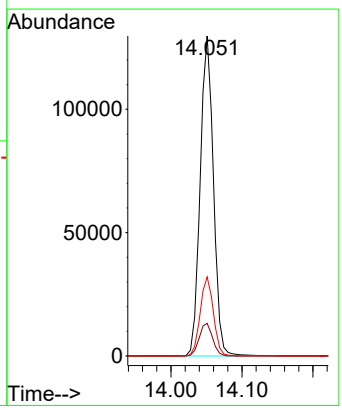


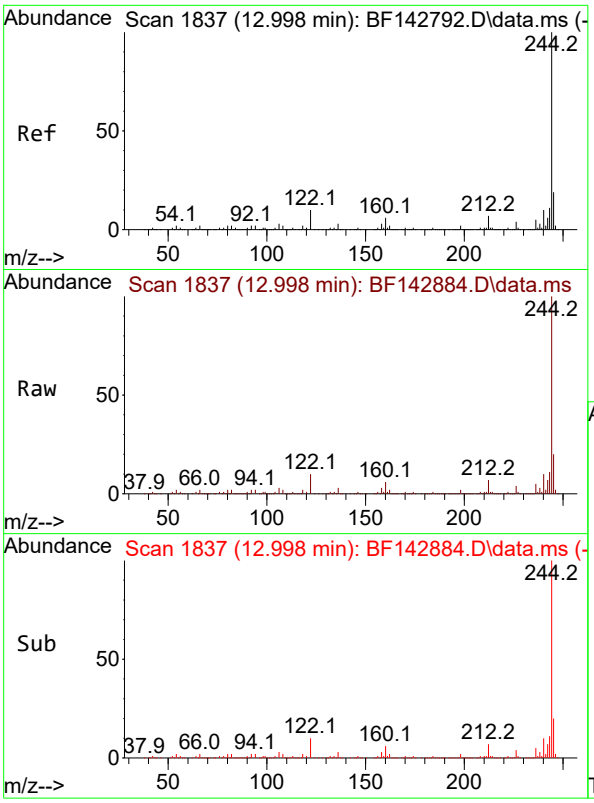


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:240 Resp: 168482

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.2	12.2
236	24.7	19.8	29.8



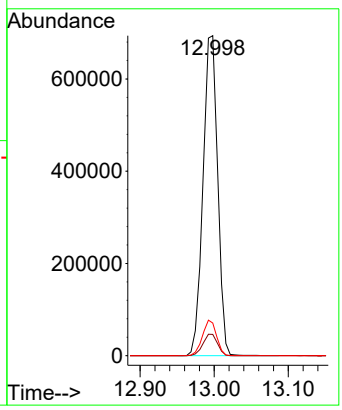


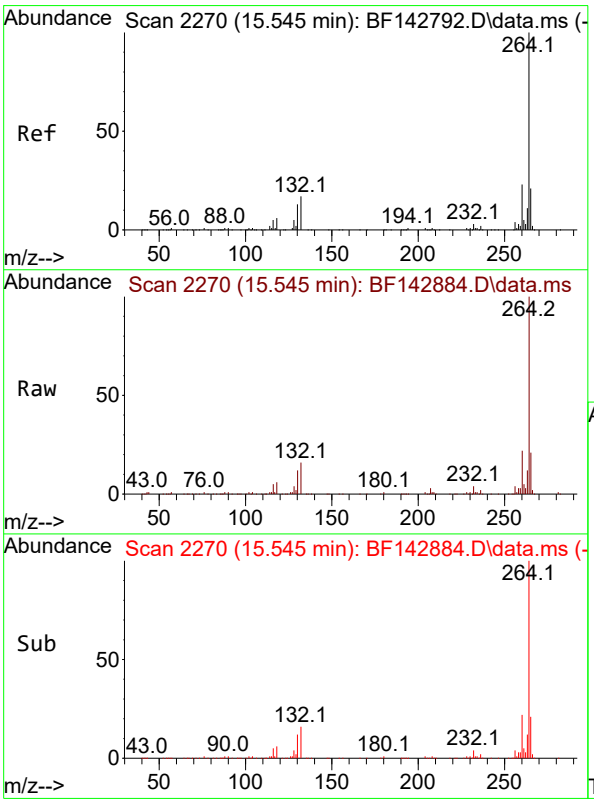
#79
Terphenyl-d14
Concen: 78.498 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Instrument :
BNA_F
ClientSampleId :
PB168625BL

Tgt Ion:244 Resp: 957194

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.2	8.2	12.2

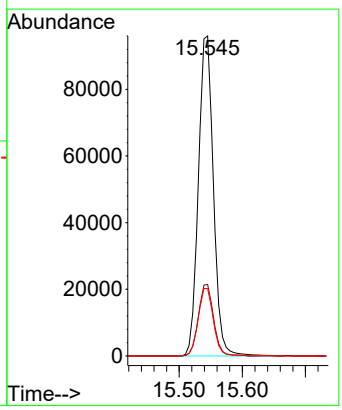




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142884.D
Acq: 27 Jun 2025 10:49

Tgt Ion:264 Resp: 158706

Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.1	27.1
265	21.1	16.6	25.0



Sample Results: **BF142884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BL

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: BF142884.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	514	rBV	118912	206123	7.68%	1.327%
2	5.504	557	563	569	rBV	1478776	2022550	75.35%	13.023%
3	6.504	727	733	739	rBV	1385764	1981056	73.80%	12.756%
4	6.875	791	796	801	rBV	354750	429736	16.01%	2.767%
5	7.440	885	892	897	rBV	925259	1324980	49.36%	8.532%
6	8.157	1008	1014	1033	rBV	440837	567380	21.14%	3.653%
7	9.234	1190	1197	1202	rBV	1993353	2684291	100.00%	17.284%
8	9.916	1307	1313	1324	rBV	524426	655033	24.40%	4.218%
9	10.710	1442	1448	1468	rBV	1230008	1635610	60.93%	10.532%
10	11.404	1561	1566	1574	rBV	538238	671844	25.03%	4.326%
11	12.992	1830	1836	1842	rBV	1839949	2515390	93.71%	16.197%
12	14.051	2011	2016	2024	rBV	336078	428928	15.98%	2.762%
13	15.539	2263	2269	2279	rBV	249111	407184	15.17%	2.622%

Sum of corrected areas: 15530105

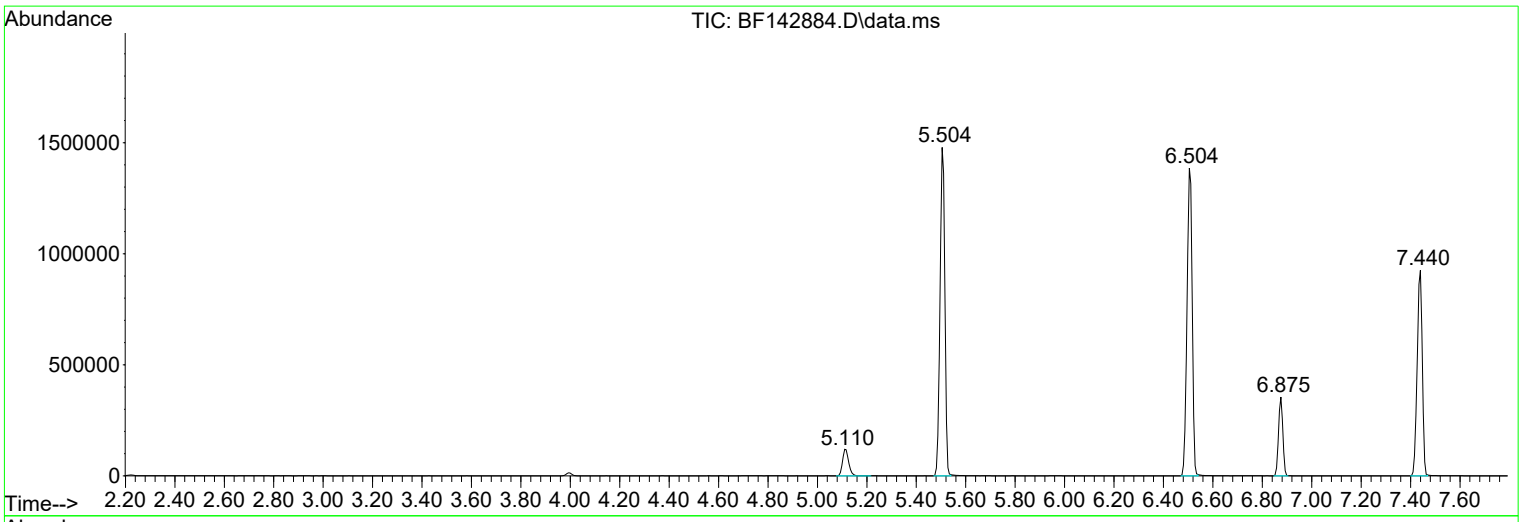
Sample Results: **BF142884.D**

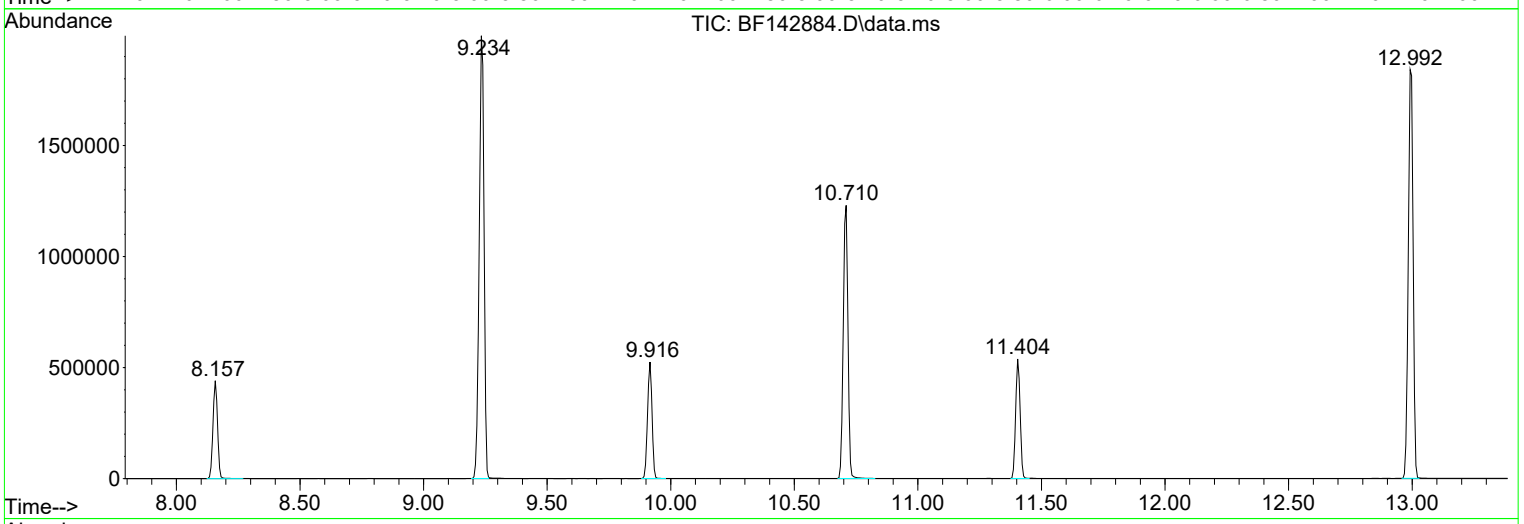
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

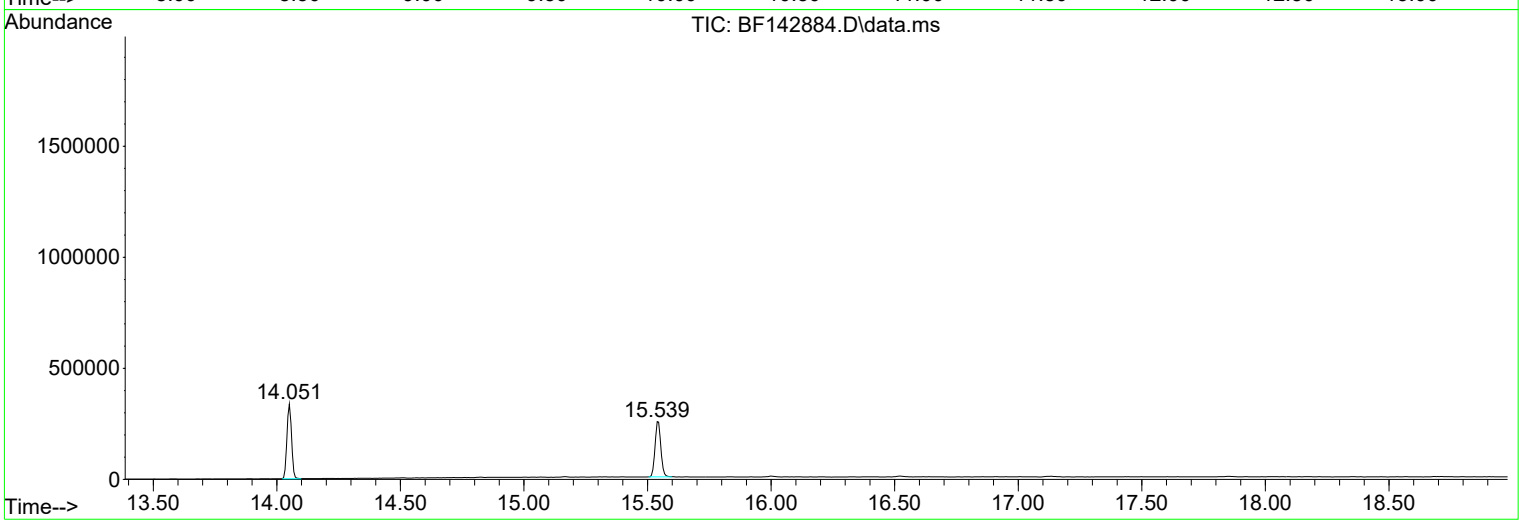
Instrument :
BNA_F
ClientSampleId :
PB168625BL

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

TIC Library :
TIC Integration Parameters: rteint.p







Library Search Compound Report

Sample Results: **BF142884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BL

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

TIC Library :
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Sample Results: **BF142884.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142884.D
Acq On : 27 Jun 2025 10:49
Operator : RC/JU
Sample : PB168625BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BL

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

TIC Library :
TIC Integration Parameters: rteint.p

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **BF142885.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168625BS	SDG No.:	Q2413
Lab Sample ID:	PB168625BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142885.D	1	06/26/25 09:20	06/27/25 11:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	940		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		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	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1400		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	920		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	170	ug/Kg

Raw Data: **BF142885.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168625BS	SDG No.:	Q2413
Lab Sample ID:	PB168625BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142885.D	1	06/26/25 09:20	06/27/25 11:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1000		46.0	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1500		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		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	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	760		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	1500		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

Raw Data: **BF142885.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168625BS	SDG No.:	Q2413
Lab Sample ID:	PB168625BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142885.D	1	06/26/25 09:20	06/27/25 11:19	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		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	1300		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	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		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	121		18 - 112	81%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.0		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.7		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	78.2		10 - 105	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79300	6.875			
1146-65-2	Naphthalene-d8	306000	8.163			
15067-26-2	Acenaphthene-d10	167000	9.922			
1517-22-2	Phenanthrene-d10	286000	11.41			
1719-03-5	Chrysene-d12	165000	14.057			
1520-96-3	Perylene-d12	167000	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\BF062725\
Data File : BF142885.D
Acq On : 27 Jun 2025 11:19
Operator : RC/JU
Sample : PB168625BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BS

Quant Time: Jun 27 12:14:46 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	79288	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	306414	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	167156	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	286462	20.000	ng		0.00
76) Chrysene-d12	14.057	240	164874	20.000	ng		0.00
86) Perylene-d12	15.545	264	166752	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	576794	121.118	ng		0.02
7) Phenol-d6	6.510	99	686344	122.157	ng		0.00
23) Nitrobenzene-d5	7.439	82	430100	76.992	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	227226	132.097	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	950860	74.728	ng		0.00
79) Terphenyl-d14	12.998	244	932784	78.171	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	64426	33.823	ng		100
3) Pyridine	3.493	79	178331	37.345	ng		99
4) n-Nitrosodimethylamine	3.446	42	99554	40.316	ng		100
6) Aniline	6.540	93	243829	32.615	ng	#	89
8) 2-Chlorophenol	6.663	128	220964	43.013	ng		99
9) Benzaldehyde	6.428	77	93685	28.105	ng		98
10) Phenol	6.528	94	258477	41.387	ng		85
11) bis(2-Chloroethyl)ether	6.610	93	189250	42.398	ng		98
12) 1,3-Dichlorobenzene	6.816	146	239808	41.740	ng		99
13) 1,4-Dichlorobenzene	6.892	146	241633	41.686	ng		99
14) 1,2-Dichlorobenzene	7.045	146	232603	42.307	ng		99
15) Benzyl Alcohol	7.022	79	178788	44.017	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	292050	40.723	ng		95
17) 2-Methylphenol	7.134	107	165974	42.634	ng		96
18) Hexachloroethane	7.387	117	85422	42.132	ng		98
19) n-Nitroso-di-n-propyla...	7.292	70	140888	43.115	ng		97
20) 3+4-Methylphenols	7.287	107	212248	43.728	ng		96
22) Acetophenone	7.287	105	286909	42.461	ng		97
24) Nitrobenzene	7.463	77	210767	41.685	ng		97
25) Isophorone	7.698	82	384510	42.908	ng		99
26) 2-Nitrophenol	7.775	139	121467	44.101	ng		99
27) 2,4-Dimethylphenol	7.816	122	203196	42.591	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	241404	42.372	ng		99
29) 2,4-Dichlorophenol	8.022	162	188927	43.674	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	200843	42.222	ng		99
31) Naphthalene	8.181	128	638576	42.576	ng		100
32) Benzoic acid	7.945	122	116917	48.081	ng		95
33) 4-Chloroaniline	8.234	127	168937	27.701	ng		98
34) Hexachlorobutadiene	8.298	225	121916	41.901	ng		99
35) Caprolactam	8.604	113	57912m	50.733	ng		
36) 4-Chloro-3-methylphenol	8.716	107	192336	44.737	ng		99
37) 2-Methylnaphthalene	8.875	142	399906	43.008	ng		99
38) 1-Methylnaphthalene	8.975	142	410444	42.641	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	203850	41.330	ng		99
41) Hexachlorocyclopentadiene	9.028	237	234698	83.852	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	137107	42.660	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142885.D
Acq On : 27 Jun 2025 11:19
Operator : RC/JU
Sample : PB168625BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BS

Quant Time: Jun 27 12:14:46 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

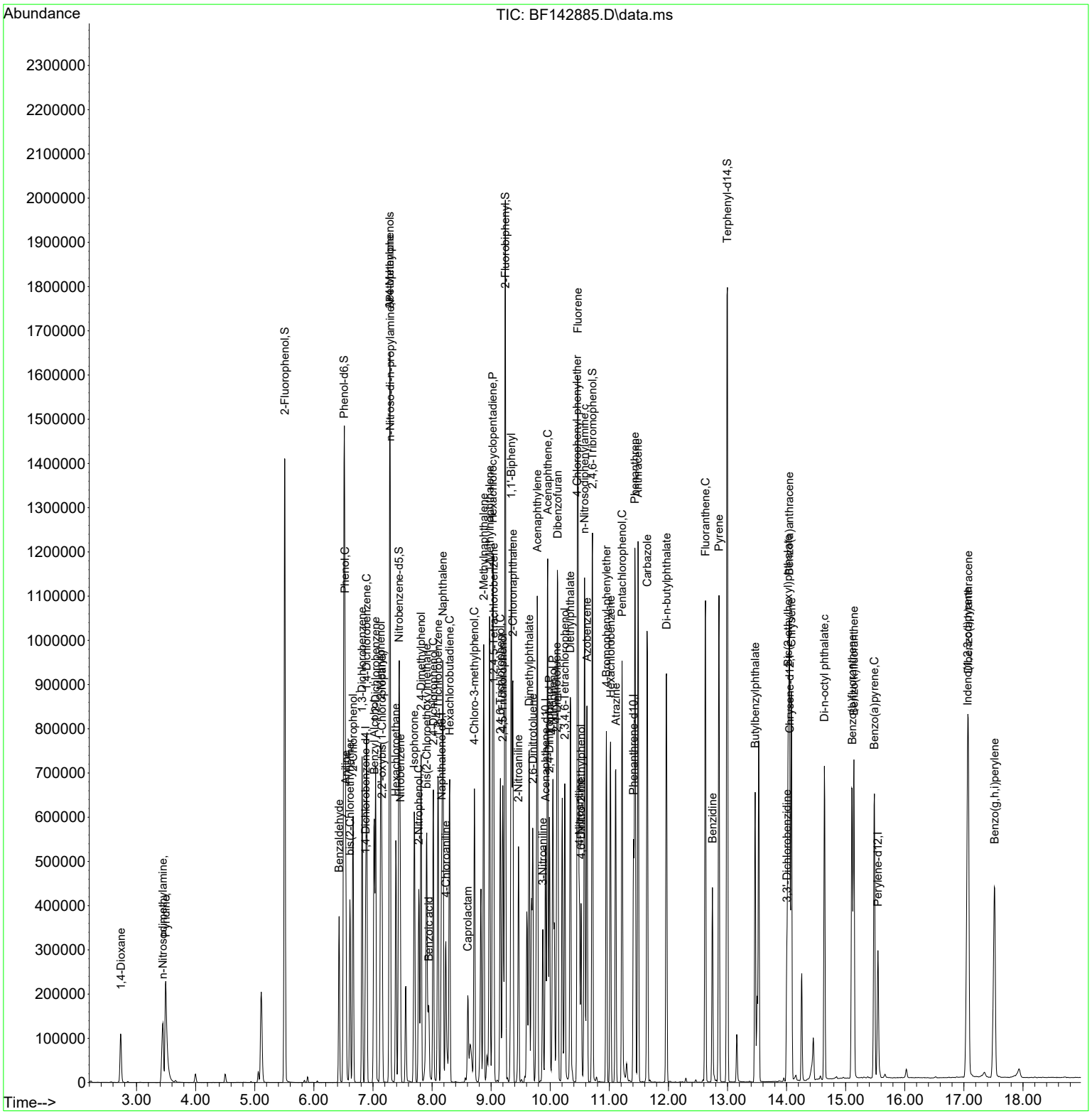
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	145459	42.994	ng	99
46) 1,1'-Biphenyl	9.339	154	551449	41.762	ng	100
47) 2-Chloronaphthalene	9.369	162	407787	41.153	ng	100
48) 2-Nitroaniline	9.463	65	122855	44.224	ng	98
49) Acenaphthylene	9.781	152	688079	42.182	ng	99
50) Dimethylphthalate	9.645	163	492303	45.499	ng	100
51) 2,6-Dinitrotoluene	9.704	165	106248	44.714	ng	100
52) Acenaphthene	9.957	154	466815m	46.904	ng	
53) 3-Nitroaniline	9.875	138	79354	30.332	ng	97
54) 2,4-Dinitrophenol	9.986	184	119559	100.486	ng	99
55) Dibenzofuran	10.128	168	606412	42.491	ng	99
56) 4-Nitrophenol	10.045	139	166993	93.237	ng	99
57) 2,4-Dinitrotoluene	10.110	165	147971	46.881	ng	95
58) Fluorene	10.469	166	480888	43.145	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120013	44.008	ng	98
60) Diethylphthalate	10.339	149	492152	46.390	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	230170	43.276	ng	98
62) 4-Nitroaniline	10.492	138	111024	46.401	ng	99
63) Azobenzene	10.622	77	410873	43.333	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	79271	45.750	ng	95
66) n-Nitrosodiphenylamine	10.580	169	421786	42.484	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	141682	43.458	ng	97
68) Hexachlorobenzene	11.022	284	154987	42.783	ng	99
69) Atrazine	11.110	200	129714	50.596	ng	100
70) Pentachlorophenol	11.216	266	164554	91.158	ng	99
71) Phenanthrene	11.433	178	670582	43.214	ng	100
72) Anthracene	11.486	178	685649	43.083	ng	99
73) Carbazole	11.639	167	616575	44.895	ng	100
74) Di-n-butylphthalate	11.969	149	713866	49.896	ng	100
75) Fluoranthene	12.627	202	663946	45.083	ng	99
77) Benzidine	12.745	184	246442	39.784	ng	99
78) Pyrene	12.857	202	664888	43.023	ng	99
80) Butylbenzylphthalate	13.469	149	226565	50.540	ng	97
81) Benzo(a)anthracene	14.045	228	484352	43.547	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	82353	22.827	ng	100
83) Chrysene	14.080	228	441455	44.480	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	291308	45.165	ng	99
85) Di-n-octyl phthalate	14.639	149	497681	40.921	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	517185	40.719	ng	98
88) Benzo(b)fluoranthene	15.110	252	440795	45.683	ng	99
89) Benzo(k)fluoranthene	15.139	252	410271	45.447	ng	99
90) Benzo(a)pyrene	15.486	252	417438	44.782	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	417444	40.450	ng	99
92) Benzo(g,h,i)perylene	17.521	276	419208	40.736	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142885.D
Acq On : 27 Jun 2025 11:19
Operator : RC/JU
Sample : PB168625BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168625BS

Quant Time: Jun 27 12:14:46 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: **BF142872.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMS	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142872.D	1	06/26/25 09:20	06/26/25 17:06	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	640		100	220	ug/Kg
108-95-2	Phenol	900		14.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		16.2	110	ug/Kg
95-57-8	2-Chlorophenol	960		16.3	110	ug/Kg
95-48-7	2-Methylphenol	950		20.0	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	890		25.0	110	ug/Kg
98-86-2	Acetophenone	950		19.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	960		27.4	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	940		31.6	53.4	ug/Kg
67-72-1	Hexachloroethane	940		11.8	110	ug/Kg
98-95-3	Nitrobenzene	940		12.2	110	ug/Kg
78-59-1	Isophorone	940		21.9	110	ug/Kg
88-75-5	2-Nitrophenol	990		38.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	940		43.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	940		20.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	950		18.9	110	ug/Kg
91-20-3	Naphthalene	940		15.2	110	ug/Kg
106-47-8	4-Chloroaniline	220		23.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	940		16.9	110	ug/Kg
105-60-2	Caprolactam	1000		34.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		19.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	940		17.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		77.5	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		13.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940		19.4	110	ug/Kg
92-52-4	1,1-Biphenyl	950		14.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	940		15.0	110	ug/Kg
88-74-4	2-Nitroaniline	1000		32.1	110	ug/Kg
131-11-3	Dimethylphthalate	990		18.1	110	ug/Kg

Raw Data: **BF142872.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMS	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142872.D	1	06/26/25 09:20	06/26/25 17:06	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	940		19.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.4	110	ug/Kg
99-09-2	3-Nitroaniline	480		30.7	110	ug/Kg
83-32-9	Acenaphthene	900		14.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	160	J	150	220	ug/Kg
100-02-7	4-Nitrophenol	1700		71.4	220	ug/Kg
132-64-9	Dibenzofuran	940		15.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		33.5	110	ug/Kg
84-66-2	Diethylphthalate	1000		18.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		17.8	110	ug/Kg
86-73-7	Fluorene	950		16.9	110	ug/Kg
100-01-6	4-Nitroaniline	970		42.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	J	68.8	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970		22.0	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	980		18.6	110	ug/Kg
118-74-1	Hexachlorobenzene	970		16.9	110	ug/Kg
1912-24-9	Atrazine	1200		22.7	110	ug/Kg
87-86-5	Pentachlorophenol	800		34.3	220	ug/Kg
85-01-8	Phenanthrene	950		14.0	110	ug/Kg
120-12-7	Anthracene	950		22.2	110	ug/Kg
86-74-8	Carbazole	960		20.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		32.0	110	ug/Kg
206-44-0	Fluoranthene	890		20.0	110	ug/Kg
129-00-0	Pyrene	900		24.0	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		47.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	230		24.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	960		15.4	110	ug/Kg
218-01-9	Chrysene	940		13.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		39.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	870		58.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		12.7	110	ug/Kg

Raw Data: **BF142872.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMS	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142872.D	1	06/26/25 09:20	06/26/25 17:06	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	960		15.0	110	ug/Kg
50-32-8	Benzo(a)pyrene	980		19.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	660		19.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	660		18.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	590		17.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940		17.1	110	ug/Kg
123-91-1	1,4-Dioxane	820		30.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	810		18.3	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	72.2		18 - 112	48%	SPK: 150
13127-88-3	Phenol-d6	75.2		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	45.0		18 - 107	45%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.3		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.4		10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	45.4		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	84900	6.875			
1146-65-2	Naphthalene-d8	323000	8.163			
15067-26-2	Acenaphthene-d10	169000	9.922			
1517-22-2	Phenanthrene-d10	278000	11.41			
1719-03-5	Chrysene-d12	150000	14.057			
1520-96-3	Perylene-d12	169000	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\BF062625\
Data File : BF142872.D
Acq On : 26 Jun 2025 17:06
Operator : RC/JU
Sample : Q2416-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 26 17:55:07 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	84939	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	322606	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	168684	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	277774	20.000	ng		0.00
76) Chrysene-d12	14.057	240	149832	20.000	ng		0.00
86) Perylene-d12	15.545	264	169288	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	368548	72.241	ng		0.00
7) Phenol-d6	6.510	99	452569	75.190	ng		0.00
23) Nitrobenzene-d5	7.440	82	264948	45.048	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	118654	68.354	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	594596	46.306	ng		0.00
79) Terphenyl-d14	12.992	244	492166	45.386	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.710	88	75520	37.010	ng		99
3) Pyridine	3.475	79	200163	39.128	ng		98
4) n-Nitrosodimethylamine	3.428	42	109742	41.485	ng		100
6) Aniline	6.534	93	141956	17.725	ng	#	64
8) 2-Chlorophenol	6.663	128	236259	42.931	ng		97
9) Benzaldehyde	6.428	77	103317	28.933	ng		99
10) Phenol	6.522	94	270018	40.358	ng		99
11) bis(2-Chloroethyl)ether	6.610	93	202495	42.347	ng		98
12) 1,3-Dichlorobenzene	6.816	146	252822	41.078	ng		100
13) 1,4-Dichlorobenzene	6.893	146	256590	41.321	ng		98
14) 1,2-Dichlorobenzene	7.045	146	246807	41.904	ng		99
15) Benzyl Alcohol	7.016	79	187301	43.045	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	307769	40.060	ng		96
17) 2-Methylphenol	7.134	107	178002	42.682	ng		97
18) Hexachloroethane	7.387	117	91410	42.086	ng		98
19) n-Nitroso-di-n-propyla...	7.287	70	147385	42.102	ng		99
20) 3+4-Methylphenols	7.287	107	224246	43.126	ng		92
22) Acetophenone	7.287	105	303127	42.610	ng		100
24) Nitrobenzene	7.457	77	224541	42.181	ng		99
25) Isophorone	7.698	82	398638	42.252	ng		100
26) 2-Nitrophenol	7.775	139	129615	44.697	ng		100
27) 2,4-Dimethylphenol	7.816	122	213196	42.444	ng		100
28) bis(2-Chloroethoxy)met...	7.910	93	254428	42.417	ng		99
29) 2,4-Dichlorophenol	8.022	162	194624	42.732	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	211641	42.259	ng		99
31) Naphthalene	8.181	128	665091	42.118	ng		100
32) Benzoic acid	7.945	122	9532m	3.723	ng		
33) 4-Chloroaniline	8.228	127	64699	10.076	ng		99
34) Hexachlorobutadiene	8.298	225	129077	42.135	ng		99
35) Caprolactam	8.598	113	56655	47.141	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	196647	43.444	ng		99
37) 2-Methylnaphthalene	8.875	142	415487	42.441	ng		100
38) 1-Methylnaphthalene	8.975	142	431940	42.621	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	210801	42.352	ng		99
41) Hexachlorocyclopentadiene	9.028	237	213156	75.466	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	133635	41.203	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142872.D
Acq On : 26 Jun 2025 17:06
Operator : RC/JU
Sample : Q2416-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 26 17:55:07 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	144794	42.410	ng	99
46) 1,1'-Biphenyl	9.339	154	569189	42.716	ng	100
47) 2-Chloronaphthalene	9.363	162	422954	42.297	ng	99
48) 2-Nitroaniline	9.463	65	125588	44.798	ng	97
49) Acenaphthylene	9.781	152	696714	42.324	ng	100
50) Dimethylphthalate	9.639	163	487508	44.648	ng	99
51) 2,6-Dinitrotoluene	9.704	165	107851	44.977	ng	99
52) Acenaphthene	9.957	154	407163	40.540	ng	100
53) 3-Nitroaniline	9.875	138	56933	21.565	ng	95
54) 2,4-Dinitrophenol	9.986	184	8668	7.219	ng	98
55) Dibenzofuran	10.128	168	606151	42.088	ng	100
56) 4-Nitrophenol	10.039	139	139115	76.968	ng	98
57) 2,4-Dinitrotoluene	10.110	165	145344	45.632	ng	98
58) Fluorene	10.469	166	481247	42.786	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	100236	36.423	ng	96
60) Diethylphthalate	10.339	149	482804	45.097	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	228951	42.657	ng	97
62) 4-Nitroaniline	10.486	138	105685	43.770	ng	99
63) Azobenzene	10.622	77	448091	46.830	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	15266	9.086	ng	98
66) n-Nitrosodiphenylamine	10.581	169	417738	43.392	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	138997	43.968	ng	97
68) Hexachlorobenzene	11.022	284	152901	43.527	ng	97
69) Atrazine	11.104	200	129985	52.287	ng	99
70) Pentachlorophenol	11.216	266	62719	35.831	ng	99
71) Phenanthrene	11.433	178	641833	42.655	ng	100
72) Anthracene	11.486	178	661106	42.840	ng	99
73) Carbazole	11.639	167	572688	43.003	ng	100
74) Di-n-butylphthalate	11.969	149	694376	50.051	ng	100
75) Fluoranthene	12.622	202	573671	40.172	ng	99
77) Benzidine	12.745	184	104673	18.594	ng	99
78) Pyrene	12.851	202	568445	40.475	ng	100
80) Butylbenzylphthalate	13.469	149	214111	52.557	ng	96
81) Benzo(a)anthracene	14.045	228	435462	43.082	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	33545	10.232	ng	99
83) Chrysene	14.080	228	380789	42.219	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	267213	45.588	ng	99
85) Di-n-octyl phthalate	14.639	149	433996	39.267	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	381609	29.595	ng	99
88) Benzo(b)fluoranthene	15.104	252	456106	46.562	ng	100
89) Benzo(k)fluoranthene	15.133	252	396508	43.265	ng	99
90) Benzo(a)pyrene	15.480	252	415232	43.878	ng	99
91) Dibenzo(a,h)anthracene	17.068	278	312079	29.787	ng	98
92) Benzo(g,h,i)perylene	17.509	276	278882	26.694	ng	98

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

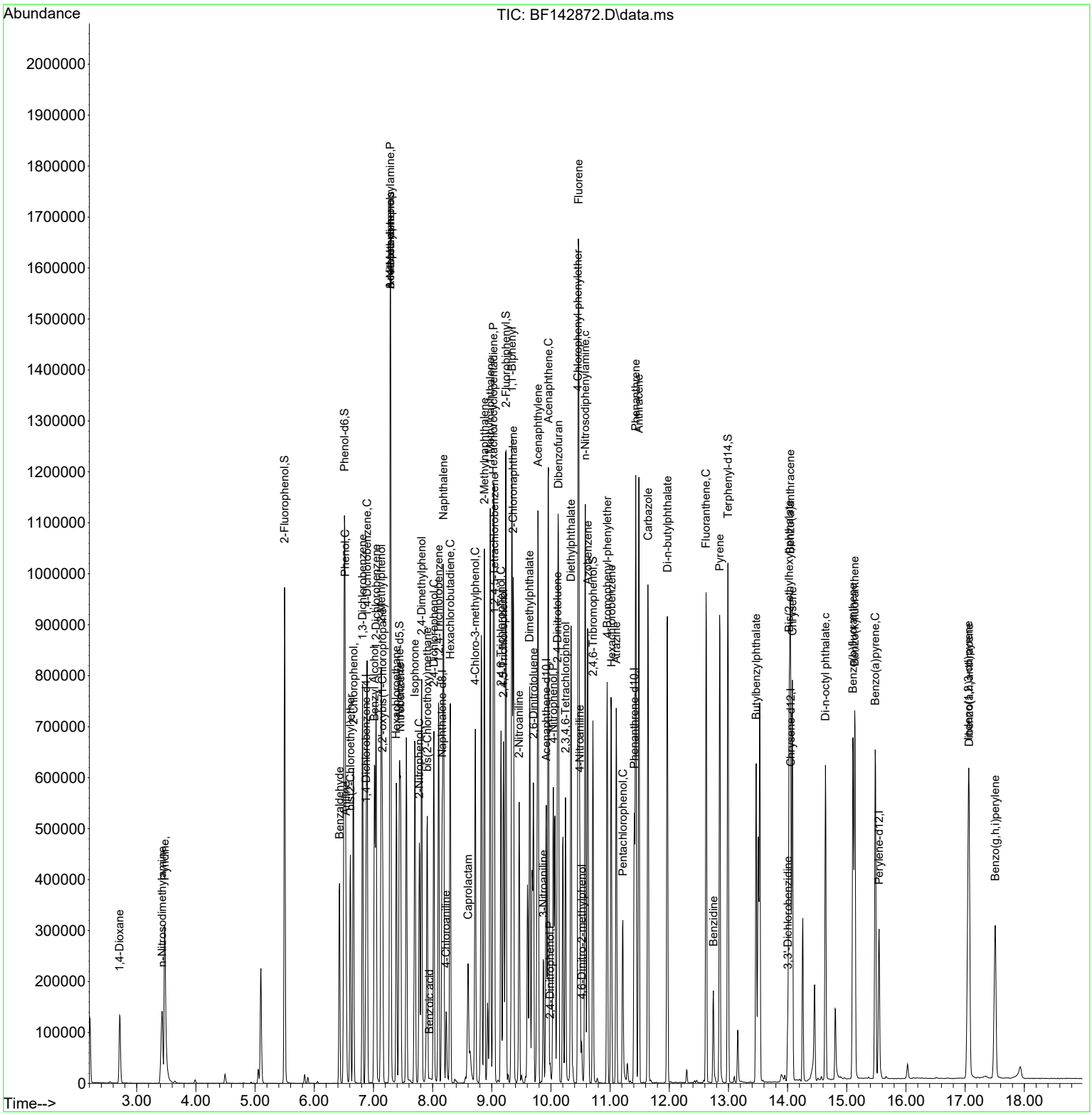
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142872.D
Acq On : 26 Jun 2025 17:06
Operator : RC/JU
Sample : Q2416-01MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 26 17:55:07 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



Raw Data: **BF142873.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMSD	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142873.D	1	06/26/25 09:20	06/26/25 17:36	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		100	220	ug/Kg
108-95-2	Phenol	920		14.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		16.2	110	ug/Kg
95-57-8	2-Chlorophenol	960		16.3	110	ug/Kg
95-48-7	2-Methylphenol	970		20.0	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		25.1	110	ug/Kg
98-86-2	Acetophenone	970		19.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	980		27.5	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		31.7	53.5	ug/Kg
67-72-1	Hexachloroethane	950		11.8	110	ug/Kg
98-95-3	Nitrobenzene	960		12.2	110	ug/Kg
78-59-1	Isophorone	970		21.9	110	ug/Kg
88-75-5	2-Nitrophenol	1000		38.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	970		43.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	970		20.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	970		18.9	110	ug/Kg
91-20-3	Naphthalene	960		15.2	110	ug/Kg
106-47-8	4-Chloroaniline	240		23.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	950		16.9	110	ug/Kg
105-60-2	Caprolactam	1100		34.8	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		19.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	970		17.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		77.5	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		13.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		19.4	110	ug/Kg
92-52-4	1,1-Biphenyl	960		14.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	940		15.0	110	ug/Kg
88-74-4	2-Nitroaniline	1000		32.1	110	ug/Kg
131-11-3	Dimethylphthalate	1000		18.1	110	ug/Kg

Raw Data: **BF142873.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMSD	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142873.D	1	06/26/25 09:20	06/26/25 17:36	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	950		19.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.5	110	ug/Kg
99-09-2	3-Nitroaniline	490		30.7	110	ug/Kg
83-32-9	Acenaphthene	930		14.2	110	ug/Kg
51-28-5	2,4-Dinitrophenol	500		150	220	ug/Kg
100-02-7	4-Nitrophenol	1800	E	71.5	220	ug/Kg
132-64-9	Dibenzofuran	950		15.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		33.5	110	ug/Kg
84-66-2	Diethylphthalate	1000		18.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	950		17.8	110	ug/Kg
86-73-7	Fluorene	960		16.9	110	ug/Kg
100-01-6	4-Nitroaniline	980		42.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	400		68.8	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	980		22.0	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.6	110	ug/Kg
118-74-1	Hexachlorobenzene	970		16.9	110	ug/Kg
1912-24-9	Atrazine	1200		22.7	110	ug/Kg
87-86-5	Pentachlorophenol	1200		34.3	220	ug/Kg
85-01-8	Phenanthrene	970		14.0	110	ug/Kg
120-12-7	Anthracene	970		22.3	110	ug/Kg
86-74-8	Carbazole	970		20.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.0	110	ug/Kg
206-44-0	Fluoranthene	950		20.1	110	ug/Kg
129-00-0	Pyrene	890		24.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	1200		47.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220		24.5	220	ug/Kg
56-55-3	Benzo(a)anthracene	970		15.4	110	ug/Kg
218-01-9	Chrysene	970		13.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		39.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	900		58.0	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.7	110	ug/Kg

Raw Data: **BF142873.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/25/25
Client Sample ID:	MH-G/HMSD	SDG No.:	Q2413
Lab Sample ID:	Q2416-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	89.7
Sample Wt/Vol:	50.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142873.D	1	06/26/25 09:20	06/26/25 17:36	PB168625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1000		15.0	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		19.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	730		19.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	730		18.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	660		17.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		17.1	110	ug/Kg
123-91-1	1,4-Dioxane	840		30.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	880		18.3	110	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	73.8		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	76.1		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.1		20 - 109	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.7		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	45.3		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	79900	6.875			
1146-65-2	Naphthalene-d8	304000	8.163			
15067-26-2	Acenaphthene-d10	163000	9.922			
1517-22-2	Phenanthrene-d10	267000	11.41			
1719-03-5	Chrysene-d12	150000	14.057			
1520-96-3	Perylene-d12	167000	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

Sample Results: **BF142873.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142873.D
Acq On : 26 Jun 2025 17:36
Operator : RC/JU
Sample : Q2416-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 26 18:00:13 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79872	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	303973	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162686	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	266635	20.000	ng	0.00
76) Chrysene-d12	14.057	240	149914	20.000	ng	0.00
86) Perylene-d12	15.545	264	166770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	353823	73.754	ng	0.00
7) Phenol-d6	6.504	99	430468	76.056	ng	0.00
23) Nitrobenzene-d5	7.439	82	256260	46.241	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118414	70.731	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	570630	46.078	ng	0.00
79) Terphenyl-d14	12.992	244	491190	45.271	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.704	88	72253	37.655	ng	99
3) Pyridine	3.463	79	192052	39.924	ng	98
4) n-Nitrosodimethylamine	3.422	42	105561	42.436	ng	100
6) Aniline	6.539	93	153002	20.316	ng	94
8) 2-Chlorophenol	6.663	128	223617	43.211	ng	97
9) Benzaldehyde	6.428	77	98497	29.333	ng	99
10) Phenol	6.522	94	261112	41.503	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	192545	42.820	ng	98
12) 1,3-Dichlorobenzene	6.816	146	248816	42.991	ng	99
13) 1,4-Dichlorobenzene	6.892	146	246549	42.223	ng	99
14) 1,2-Dichlorobenzene	7.045	146	234603	42.359	ng	99
15) Benzyl Alcohol	7.016	79	179726	43.924	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	295841	40.950	ng	97
17) 2-Methylphenol	7.134	107	170832	43.561	ng	98
18) Hexachloroethane	7.386	117	87263	42.726	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	144735	43.968	ng	98
20) 3+4-Methylphenols	7.287	107	214697	43.909	ng	93
22) Acetophenone	7.287	105	291908	43.548	ng	99
24) Nitrobenzene	7.457	77	216652	43.193	ng	99
25) Isophorone	7.698	82	385197	43.330	ng	100
26) 2-Nitrophenol	7.775	139	123240	45.104	ng	99
27) 2,4-Dimethylphenol	7.816	122	205547	43.429	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	245774	43.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	187709	43.741	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	201446	42.689	ng	99
31) Naphthalene	8.181	128	641542	43.117	ng	100
32) Benzoic acid	7.898	122	40191m	16.661	ng	
33) 4-Chloroaniline	8.228	127	65208	10.778	ng	99
34) Hexachlorobutadiene	8.298	225	123483	42.780	ng	99
35) Caprolactam	8.604	113	54934m	48.511	ng	
36) 4-Chloro-3-methylphenol	8.722	107	192957	45.242	ng	99
37) 2-Methylnaphthalene	8.875	142	400102	43.374	ng	99
38) 1-Methylnaphthalene	8.975	142	417561	43.728	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	203848	42.465	ng	99
41) Hexachlorocyclopentadiene	9.028	237	211937	77.801	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	129432	41.378	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142873.D
Acq On : 26 Jun 2025 17:36
Operator : RC/JU
Sample : Q2416-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 26 18:00:13 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	139865	42.476	ng	99
46) 1,1'-Biphenyl	9.339	154	554149	43.120	ng	100
47) 2-Chloronaphthalene	9.363	162	408195	42.326	ng	99
48) 2-Nitroaniline	9.463	65	123605	45.716	ng	98
49) Acenaphthylene	9.780	152	679858	42.823	ng	100
50) Dimethylphthalate	9.639	163	476574	45.255	ng	99
51) 2,6-Dinitrotoluene	9.704	165	105606	45.665	ng	97
52) Acenaphthene	9.951	154	402790	41.583	ng	99
53) 3-Nitroaniline	9.869	138	55907	21.957	ng	99
54) 2,4-Dinitrophenol	9.980	184	26118	22.555	ng	96
55) Dibenzofuran	10.127	168	595071	42.842	ng	99
56) 4-Nitrophenol	10.039	139	142376	81.677	ng	99
57) 2,4-Dinitrotoluene	10.110	165	140900	45.868	ng	98
58) Fluorene	10.469	166	465440	42.906	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	104527	39.382	ng	96
60) Diethylphthalate	10.339	149	474099	45.917	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	221765	42.841	ng	98
62) 4-Nitroaniline	10.486	138	102550	44.037	ng	99
63) Azobenzene	10.622	77	439695	47.647	ng	94
65) 4,6-Dinitro-2-methylph...	10.516	198	28654	17.767	ng	89
66) n-Nitrosodiphenylamine	10.580	169	406412	43.980	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	135921	44.791	ng	98
68) Hexachlorobenzene	11.016	284	146346	43.402	ng	98
69) Atrazine	11.104	200	126023	52.811	ng	99
70) Pentachlorophenol	11.216	266	91245	54.305	ng	98
71) Phenanthrene	11.433	178	626087	43.347	ng	99
72) Anthracene	11.486	178	641967	43.337	ng	99
73) Carbazole	11.639	167	558878	43.720	ng	100
74) Di-n-butylphthalate	11.969	149	694109	52.122	ng	100
75) Fluoranthene	12.621	202	582494	42.494	ng	100
77) Benzidine	12.745	184	113001	20.063	ng	99
78) Pyrene	12.851	202	563776	40.121	ng	100
80) Butylbenzylphthalate	13.468	149	216670	53.156	ng	97
81) Benzo(a)anthracene	14.045	228	441721	43.677	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	33127	10.099	ng	99
83) Chrysene	14.080	228	394695	43.737	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	273853	46.696	ng	99
85) Di-n-octyl phthalate	14.639	149	446186	40.348	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	414638	32.642	ng	99
88) Benzo(b)fluoranthene	15.104	252	457199	47.378	ng	99
89) Benzo(k)fluoranthene	15.139	252	406991	45.079	ng	99
90) Benzo(a)pyrene	15.480	252	421307	45.192	ng	100
91) Dibenzo(a,h)anthracene	17.068	278	340353	32.976	ng	99
92) Benzo(g,h,i)perylene	17.509	276	303068	29.447	ng	98

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

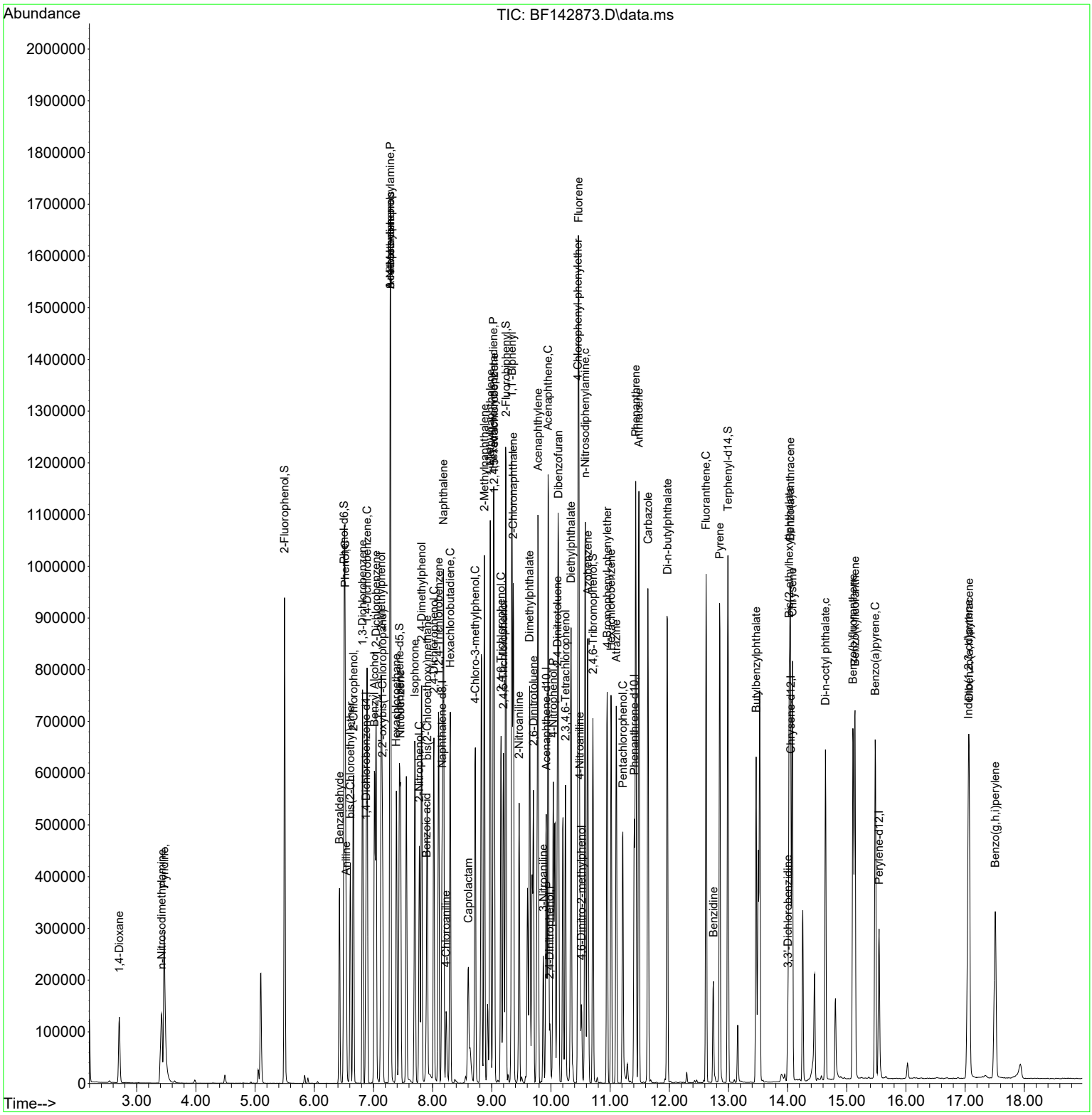
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142873.D
Acq On : 26 Jun 2025 17:36
Operator : RC/JU
Sample : Q2416-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 26 18:00:13 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

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



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:	BF062625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2416-01MS	BF142872.D	Benzoic acid	Rahul	6/27/2025 11:22:57 AM	Jagrut	6/27/2025 11:37:46 AM	Peak Integrated by Software
Q2416-01MSD	BF142873.D	Benzoic acid	Rahul	6/27/2025 11:22:59 AM	Jagrut	6/27/2025 11:37:48 AM	Peak Integrated by Software
Q2416-01MSD	BF142873.D	Caprolactam	Rahul	6/27/2025 11:22:59 AM	Jagrut	6/27/2025 11:37:48 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf062725	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	SSTDICCC040	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 # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM				
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM				
SubDirectory	BF062625	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	BF142856.D	26 Jun 2025 09:10	RC/JU	Ok
2	SSTDCCC040	BF142857.D	26 Jun 2025 09:39	RC/JU	Ok
3	PB168610BL	BF142858.D	26 Jun 2025 10:08	RC/JU	Ok
4	PB168610BS	BF142859.D	26 Jun 2025 10:38	RC/JU	Ok,M
5	PB168614BL	BF142860.D	26 Jun 2025 11:07	RC/JU	Ok
6	PB168614BS	BF142861.D	26 Jun 2025 11:36	RC/JU	Ok,M
7	Q2403-05	BF142862.D	26 Jun 2025 12:09	RC/JU	Ok
8	Q2405-01	BF142863.D	26 Jun 2025 12:39	RC/JU	Ok
9	Q2405-01MS	BF142864.D	26 Jun 2025 13:08	RC/JU	Ok,M
10	Q2405-01MSD	BF142865.D	26 Jun 2025 13:38	RC/JU	Ok,M
11	Q2394-04	BF142866.D	26 Jun 2025 14:07	RC/JU	Ok
12	Q2399-04	BF142867.D	26 Jun 2025 14:37	RC/JU	Ok
13	Q2399-08	BF142868.D	26 Jun 2025 15:07	RC/JU	Ok
14	Q2405-04	BF142869.D	26 Jun 2025 15:37	RC/JU	Ok
15	Q2409-02	BF142870.D	26 Jun 2025 16:06	RC/JU	Ok
16	Q2416-01	BF142871.D	26 Jun 2025 16:36	RC/JU	Ok
17	Q2416-01MS	BF142872.D	26 Jun 2025 17:06	RC/JU	Ok,M
18	Q2416-01MSD	BF142873.D	26 Jun 2025 17:36	RC/JU	Ok,M
19	Q2425-01	BF142874.D	26 Jun 2025 18:05	RC/JU	Ok
20	Q2414-01	BF142875.D	26 Jun 2025 18:35	RC/JU	Ok,M
21	Q2403-07	BF142876.D	26 Jun 2025 19:04	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 # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM				
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM				
SubDirectory	BF062625	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	Q2420-01	BF142877.D	26 Jun 2025 19:34	RC/JU	Dilution
23	Q2415-01	BF142878.D	26 Jun 2025 20:03	RC/JU	Ok,M
24	Q2423-01	BF142879.D	26 Jun 2025 20:32	RC/JU	Ok,M
25	Q2419-01	BF142880.D	26 Jun 2025 21:02	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 # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	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	BF142881.D	27 Jun 2025 09:21	RC/JU	Ok
2	SSTDCCC040	BF142882.D	27 Jun 2025 09:51	RC/JU	Ok
3	PB168571TB	BF142883.D	27 Jun 2025 10:20	RC/JU	Ok
4	PB168625BL	BF142884.D	27 Jun 2025 10:49	RC/JU	Ok
5	PB168625BS	BF142885.D	27 Jun 2025 11:19	RC/JU	Ok,NR
6	Q2413-05	BF142886.D	27 Jun 2025 11:52	RC/JU	Ok
7	Q2425-02	BF142887.D	27 Jun 2025 12:21	RC/JU	Ok
8	Q2425-03	BF142888.D	27 Jun 2025 12:50	RC/JU	Ok
9	Q2413-01	BF142889.D	27 Jun 2025 13:19	RC/JU	Ok,NR
10	Q2413-03	BF142890.D	27 Jun 2025 13:48	RC/JU	Ok
11	Q2413-04	BF142891.D	27 Jun 2025 14:17	RC/JU	Ok,NR
12	Q2413-02	BF142892.D	27 Jun 2025 14:47	RC/JU	Ok,NR
13	Q2413-06	BF142893.D	27 Jun 2025 15:15	RC/JU	Ok
14	Q2420-01DL	BF142894.D	27 Jun 2025 15:44	RC/JU	Dilution
15	Q2420-01DL2	BF142895.D	27 Jun 2025 16:13	RC/JU	Ok,NR
16	Q2429-01	BF142896.D	27 Jun 2025 16:43	RC/JU	Ok
17	Q2414-04	BF142897.D	27 Jun 2025 17:12	RC/JU	Ok
18	Q2414-04MS	BF142898.D	27 Jun 2025 17:41	RC/JU	Ok
19	Q2414-04MSD	BF142899.D	27 Jun 2025 18:10	RC/JU	Ok,NR
20	Q2416-04	BF142900.D	27 Jun 2025 18:40	RC/JU	Ok
21	Q2420-02	BF142901.D	27 Jun 2025 19:10	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 # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	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	Q2415-04	BF142902.D	27 Jun 2025 19:39	RC/JU	Ok
23	Q2427-01	BF142903.D	27 Jun 2025 20:08	RC/JU	Ok
24	Q2355-07	BF142904.D	27 Jun 2025 20:37	RC/JU	Dilution
25	Q2418-01	BF142905.D	27 Jun 2025 21:07	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	SSTDICCC040	SSTDICCC040	BF142792.D	19 Jun 2025 19:09		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 # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM		
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM		
SubDirectory	BF062625	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	BF142856.D	26 Jun 2025 09:10		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142857.D	26 Jun 2025 09:39		RC/JU	Ok
3	PB168610BL	PB168610BL	BF142858.D	26 Jun 2025 10:08		RC/JU	Ok
4	PB168610BS	PB168610BS	BF142859.D	26 Jun 2025 10:38		RC/JU	Ok,M
5	PB168614BL	PB168614BL	BF142860.D	26 Jun 2025 11:07		RC/JU	Ok
6	PB168614BS	PB168614BS	BF142861.D	26 Jun 2025 11:36		RC/JU	Ok,M
7	Q2403-05	Concrete-062325	BF142862.D	26 Jun 2025 12:09		RC/JU	Ok
8	Q2405-01	MH-M/H	BF142863.D	26 Jun 2025 12:39		RC/JU	Ok
9	Q2405-01MS	MH-M/HMS	BF142864.D	26 Jun 2025 13:08		RC/JU	Ok,M
10	Q2405-01MSD	MH-M/HMSD	BF142865.D	26 Jun 2025 13:38		RC/JU	Ok,M
11	Q2394-04	MH-K/L	BF142866.D	26 Jun 2025 14:07		RC/JU	Ok
12	Q2399-04	TP-13	BF142867.D	26 Jun 2025 14:37		RC/JU	Ok
13	Q2399-08	EP-7	BF142868.D	26 Jun 2025 15:07		RC/JU	Ok
14	Q2405-04	MH-M/N	BF142869.D	26 Jun 2025 15:37		RC/JU	Ok
15	Q2409-02	COP-SOIL-PILE	BF142870.D	26 Jun 2025 16:06		RC/JU	Ok
16	Q2416-01	MH-G/H	BF142871.D	26 Jun 2025 16:36		RC/JU	Ok
17	Q2416-01MS	MH-G/HMS	BF142872.D	26 Jun 2025 17:06		RC/JU	Ok,M
18	Q2416-01MSD	MH-G/HMSD	BF142873.D	26 Jun 2025 17:36		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 # BF062625

Review By	Rahul	Review On	6/27/2025 11:23:56 AM		
Supervise By	Jagrut	Supervise On	6/27/2025 11:38:19 AM		
SubDirectory	BF062625	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	Q2425-01	COMP-1	BF142874.D	26 Jun 2025 18:05		RC/JU	Ok
20	Q2414-01	WC-1	BF142875.D	26 Jun 2025 18:35		RC/JU	Ok,M
21	Q2403-07	ARS 20-0006	BF142876.D	26 Jun 2025 19:04		RC/JU	Ok,M
22	Q2420-01	72-11933	BF142877.D	26 Jun 2025 19:34	Need 10X Dilution then decide further dilution	RC/JU	Dilution
23	Q2415-01	WC-1	BF142878.D	26 Jun 2025 20:03		RC/JU	Ok,M
24	Q2423-01	RT915	BF142879.D	26 Jun 2025 20:32	Internal standard fail	RC/JU	Ok,M
25	Q2419-01	EO-3-6-25-2025	BF142880.D	26 Jun 2025 21:02	Internal standard fail	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 # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	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	BF142881.D	27 Jun 2025 09:21		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142882.D	27 Jun 2025 09:51		RC/JU	Ok
3	PB168571TB	PB168571TB	BF142883.D	27 Jun 2025 10:20		RC/JU	Ok
4	PB168625BL	PB168625BL	BF142884.D	27 Jun 2025 10:49		RC/JU	Ok
5	PB168625BS	PB168625BS	BF142885.D	27 Jun 2025 11:19		RC/JU	Ok,NR
6	Q2413-05	TP-73	BF142886.D	27 Jun 2025 11:52		RC/JU	Ok
7	Q2425-02	COMP-2	BF142887.D	27 Jun 2025 12:21		RC/JU	Ok
8	Q2425-03	COMP-3	BF142888.D	27 Jun 2025 12:50		RC/JU	Ok
9	Q2413-01	TP-35	BF142889.D	27 Jun 2025 13:19		RC/JU	Ok,NR
10	Q2413-03	TP-77	BF142890.D	27 Jun 2025 13:48		RC/JU	Ok
11	Q2413-04	TP-74	BF142891.D	27 Jun 2025 14:17		RC/JU	Ok,NR
12	Q2413-02	TP-34	BF142892.D	27 Jun 2025 14:47		RC/JU	Ok,NR
13	Q2413-06	TP-72	BF142893.D	27 Jun 2025 15:15		RC/JU	Ok
14	Q2420-01DL	72-11933DL	BF142894.D	27 Jun 2025 15:44	Need 5X Further Dilution	RC/JU	Dilution
15	Q2420-01DL2	72-11933DL2	BF142895.D	27 Jun 2025 16:13		RC/JU	Ok,NR
16	Q2429-01	TP-4	BF142896.D	27 Jun 2025 16:43		RC/JU	Ok
17	Q2414-04	WC-1	BF142897.D	27 Jun 2025 17:12		RC/JU	Ok
18	Q2414-04MS	WC-1MS	BF142898.D	27 Jun 2025 17:41		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 # BF062725

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BF062725	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	Q2414-04MSD	WC-1MSD	BF142899.D	27 Jun 2025 18:10		RC/JU	Ok,NR
20	Q2416-04	MH-G/H	BF142900.D	27 Jun 2025 18:40		RC/JU	Ok
21	Q2420-02	72-11933	BF142901.D	27 Jun 2025 19:10		RC/JU	Ok
22	Q2415-04	WC-1	BF142902.D	27 Jun 2025 19:39		RC/JU	Ok
23	Q2427-01	RT2929	BF142903.D	27 Jun 2025 20:08		RC/JU	Ok
24	Q2355-07	20071	BF142904.D	27 Jun 2025 20:37	Internal standard fail & Need 2X Dilution	RC/JU	Dilution
25	Q2418-01	VAC-TRUCK-4074	BF142905.D	27 Jun 2025 21:07	Internal standard fail	RC/JU	ReRun

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136262

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
Q2413-01	TP-35	1	1.18	10.41	11.59	10.42	88.8	
Q2413-02	TP-34	2	1.13	10.60	11.73	10.88	92.0	
Q2413-03	TP-77	3	1.15	10.65	11.8	10.88	91.4	
Q2413-04	TP-74	4	1.15	10.83	11.98	10.84	89.5	
Q2413-05	TP-73	5	1.13	10.86	11.99	9.5	77.1	
Q2413-06	TP-72	6	1.16	10.74	11.9	10.5	87.0	
Q2414-01	WC-1	7	1.19	10.50	11.69	10.58	89.4	
Q2414-02	WC-1-EPH	8	1.17	10.08	11.25	10.22	89.8	
Q2414-03	WC-1-VOC	9	1.15	10.83	11.98	10.97	90.7	
Q2414-04	WC-1	10	1.19	10.50	11.69	10.58	89.4	
Q2415-01	WC-1	11	1.19	10.63	11.82	10.72	89.7	
Q2415-02	WC-1-EPH	12	1.15	10.00	11.15	10.12	89.7	
Q2415-03	WC-1-VOC	13	1.19	10.27	11.46	10.4	89.7	
Q2416-01	MH-G/H	14	1.15	10.86	12.01	10.89	89.7	
Q2416-02	MH-G/H-EPH	15	1.14	10.41	11.55	10.52	90.1	
Q2416-03	MH-G/H-VOC	16	1.12	10.57	11.69	10.8	91.6	
Q2416-04	MH-G/H	17	1.15	10.86	12.01	10.89	89.7	
Q2419-01	EO-03-06252025	26	1.17	10.53	11.7	10.97	93.1	
Q2419-02	EO-03-06252025-E2	27	1.13	10.23	11.36	10.36	90.2	
Q2420-01	72-11933	18	1.18	10.49	11.67	11.03	93.9	
Q2421-01	62325	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-02	624-A	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-03	624-B	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-04	624-C	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-05	624-D	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-06	62325-A	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2422-01	60263	25	1.00	1.00	2.00	2.00	100.0	oil sample
Q2423-01	RT915	28	1.19	10.63	11.82	10.88	91.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB136262

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
Q2423-02	RT915	29	1.14	10.45	11.59	10.84	92.8	
Q2425-01	COMP-1	30	1.19	10.38	11.57	9.17	76.9	
Q2425-02	COMP-2	31	1.15	10.37	11.52	9.41	79.7	
Q2425-03	COMP-3	32	1.12	10.71	11.83	9.97	82.6	

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

WORKLIST(Hardcopy Internal Chain)

136262

WorkList Name : %1-062525 **WorkList ID :** 190366 **Department :** Wet-Chemistry **Date :** 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2413-01	TP-35	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-02	TP-34	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-03	TP-77	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-04	TP-74	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-05	TP-73	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-06	TP-72	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-01	WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2414-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2414-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2415-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2415-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2415-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-01	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-02	MH-G/H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2416-03	MH-G/H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2416-04	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2419-01	EO-03-06252025	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2419-02	EO-03-06252025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2420-01	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2421-01	62325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/25/2025	Chemtech -SO
					PSEG03	D51	06/25/2025	Chemtech -SO

Date/Time 06/25/25 15:10

Raw Sample Received by: [signature]

Raw Sample Relinquished by: CP SM

Date/Time 06/25/25 17:20

Raw Sample Received by: CP SM

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

VB 136262

WorkList Name : %1-062525 **WorkList ID :** 190366 **Department :** Wet-Chemistry **Date :** 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2421-02	624-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-03	624-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-04	624-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-05	624-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-06	62325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2422-01	60263	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-01	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-02	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2425-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2425-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO
Q2425-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO

Date/Time 06/25/25 15:10

Raw Sample Received by: TSB (WEC)

Raw Sample Relinquished by: CP SM

Date/Time 06/25/25 17:20

Raw Sample Received by: CP SM

Raw Sample Relinquished by: TSB (WEC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168625

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 06/26/2025

Extraction Start Time : 09:20

Extraction End Date : 06/26/2025

Extraction End Time : 12:45

Concentration By: EH

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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vail Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/26/25	RS (Ext Lab)	RC/SVOC
12:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168625

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 06/26/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168625BL	SBLK625	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB168625BS	SLCS625	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q2413-01	TP-35	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		3
Q2413-02	TP-34	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q2413-03	TP-77	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q2413-04	TP-74	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q2413-05	TP-73	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		U2-1
Q2413-06	TP-72	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q2414-01	WC-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		3
Q2415-01	WC-1	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	A		4
Q2416-01	MH-G/H	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		5
Q2416-01MS	MH-G/HMS	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		6
Q2416-01MS D	MH-G/HMSD	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		U3-1
Q2419-01	EO-03-06252025	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		2
Q2420-01	72-11933	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		3
Q2423-01	RT915	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		4
Q2425-01	COMP-1	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	E		5
Q2425-02	COMP-2	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1	E		6
Q2425-03	COMP-3	SVOCMS Group1	30.02	N/A	ritesh	Evelyn	1	E		U6-1

RS 6/26

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

168625
9:20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2414BN **WorkList ID :** 190401 **Department :** Extraction **Date :** 06-26-2025 08:21:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2413-01	TP-35	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2413-02	TP-34	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2413-03	TP-77	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2413-04	TP-74	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2413-05	TP-73	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2413-06	TP-72	Solid	SVOC-TCL BNA -20	Cool 4 deg C	CAMP02	D41	06/24/2025	8270E
Q2414-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG01	A33	06/25/2025	8270E
Q2415-01	WC-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		06/24/2025	8270E
Q2416-01	MH-G/H	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	A42	06/25/2025	8270E
Q2419-01	EO-03-06252025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D51	06/25/2025	8270E
Q2420-01	72-11933	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	06/25/2025	8270E
Q2423-01	RT915	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D51	06/25/2025	8270E
Q2425-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	D51	06/24/2025	8270E
Q2425-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	D51	06/24/2025	8270E
Q2425-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	D51	06/24/2025	8270E

Date/Time 06/26/25 9:15
Raw Sample Received by: RJ (EXT-Kelly)
Raw Sample Relinquished by: SM

Date/Time 06/26/25 9:35
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXT-Kelly)

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. Q2413
COC Number 2046479

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 7325904679 FAX: 7322257851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 7325904679 FAX: 7322257851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 7325904679

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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. TCL VOC
2. TCL SVOC
3. TAL METALS
4. PCB
5. PESTICIDES
6. HERBICIDES
7. DRO/GRO
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.	TP-35	S		X	6/23/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-34	S		X	6/23/25	0905	6	X	X	X	X	X	X	X			E
3.	TP-77	S		X	6/23/25	1015	6	X	X	X	X	X	X	X			F
4.	TP-74	S		X	6/23/25	1115	6	X	X	X	X	X	X	X			E
5.	TP-73	S		X	6/23/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-72	S		X	6/24/25	0805	6	X	X	X	X	X	X	X			E
7.																	F
8.																	
9.																	
10.																	

PRESERVATIVES: ← 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.	6/24/25 1500	1. 1500 6-24-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1625 6-24-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °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 : Q2413 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 6/24/2025 3:05:00 PM
Project Name : South River WM Replacem
Receive DateTime : 6/24/2025 ~~12:00:00 AM~~ 16:25
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2413-01	TP-35	Solid	06/24/2025	08:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-02	TP-34	Solid	06/24/2025	09:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-03	TP-77	Solid	06/24/2025	10:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-04	TP-74	Solid	06/24/2025	11:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-05	TP-73	Solid	06/24/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-06	TP-72	Solid	06/24/2025	08:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2413 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 6/24/2025 3:05:00 PM
Project Name : South River WM Replacem
Receive DateTime : 6/24/2025 ~~12:00:00 AM~~ 16:25
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 6/25/25 0935

Received By :
Date / Time : 06/25/25 9:35
Storage Area : VOA Refridgerator Room

RgH6
PZ2