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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3323	**OrderDate:**	10/9/2025 2:32:00 PM
Client:	Langan Engineering and Environmental Services, Inc	**Project:**	Con Edison Richmond Terrace
Contact:	Gregory DelMastro	**Location:**	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3323-01	**SED-01-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-02	**SED-02-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-03	**SED-03-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-04	**SED-04-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-05	**SED-05-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-06	**SED-06-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	
Q3323-07	**SED-07-0-2**	**SOIL**			**10/09/25**			**10/09/25**
			SVOC-TCL BNA -20	8270E		10/13/25	10/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : SED-01-0-2									
Q3323-01	SED-01-0-2	SOIL	.alpha.-Amyrone	*	420.000	J	0	0	ug/Kg
Q3323-01	SED-01-0-2	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3323-01	SED-01-0-2	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
			Total Tics :		**890.00**				
			Total Concentration:		**890.00**				
Client ID : SED-02-0-2									
Q3323-02	SED-02-0-2	SOIL	Phenanthrene		290.000	J	36.4	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Fluoranthene		610.000		52.2	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Pyrene		370.000		62.6	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(a)anthracene		260.000	J	40	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Chrysene		280.000	J	34.6	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Bis(2-ethylhexyl)phthalate		120.000	J	100	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(b)fluoranthene		290.000	J	33.1	300	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzo(a)pyrene		220.000	J	51.3	300	ug/Kg
			Total Svoc :		**2,440.00**				
Q3323-02	SED-02-0-2	SOIL	Benzo[e]pyrene	*	150.000	J	0	0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	Benzophenone	*	430.000	J	0	0	ug/Kg
Q3323-02	SED-02-0-2	SOIL	n-Hexadecanoic acid	*	390.000	J	0	0	ug/Kg
			Total Tics :		**970.00**				
			Total Concentration:		**3,410.00**				
Client ID : SED-03-0-2									
Q3323-03	SED-03-0-2	SOIL	Phenanthrene		97.200	J	29.1	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Fluoranthene		200.000	J	41.8	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Pyrene		140.000	J	50.1	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Benzo(a)anthracene		100.000	J	32	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Chrysene		100.000	J	27.7	240	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Benzo(b)fluoranthene		94.100	J	26.5	240	ug/Kg
			Total Svoc :		**731.30**				
Q3323-03	SED-03-0-2	SOIL	Benzophenone	*	300.000	J	0	0	ug/Kg
Q3323-03	SED-03-0-2	SOIL	Tridecanoic acid	*	220.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				
			Total Concentration:		**1,251.30**				
Client ID : SED-04-0-2									
Q3323-04	SED-04-0-2	SOIL	Fluoranthene		110.000	J	42.6	240	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Pyrene		110.000	J	51.2	240	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Benzo(a)anthracene		100.000	J	32.7	240	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Svoc :		**320.00**				
Q3323-04	SED-04-0-2	SOIL	n-Hexadecanoic acid	*	460.000	J	0	0	ug/Kg
Q3323-04	SED-04-0-2	SOIL	Benzophenone	*	350.000	J	0	0	ug/Kg
			Total Tics :		**810.00**				
			Total Concentration:		**1,130.00**				
Client ID :	**SED-05-0-2**								
Q3323-05	SED-05-0-2	SOIL	Naphthalene		490.000		29.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	2-Methylnaphthalene		130.000	J	33	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Acenaphthene		300.000		27.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Dibenzofuran		230.000		29.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Fluorene		230.000		32.6	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Phenanthrene		1,800.000		27	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Anthracene		410.000		43	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Carbazole		150.000	J	40.3	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Fluoranthene		1,500.000		38.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Pyrene		900.000		46.4	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(a)anthracene		570.000		29.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Chrysene		520.000		25.7	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(b)fluoranthene		500.000		24.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(k)fluoranthene		170.000	J	28.9	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(a)pyrene		450.000		38.1	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Indeno(1,2,3-cd)pyrene		160.000	J	37.5	220	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo(g,h,i)perylene		190.000	J	33.2	220	ug/Kg
			Total Svoc :		**8,700.00**				
Q3323-05	SED-05-0-2	SOIL	11H-Benzo[a]fluorene	*	86.400	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	1H-Cyclopropa[l]phenanthrene,1a	*	620.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	4H-Cyclopenta[def]phenanthrene	*	370.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzo[e]pyrene	*	240.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Benzophenone	*	280.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Dibenzothiophene	*	160.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Naphthalene, 2-phenyl-	*	150.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	Phenanthrene, 2-methyl-	*	110.000	J	0	0	ug/Kg
Q3323-05	SED-05-0-2	SOIL	1-Methylnaphthalene	*	110.000	J	33.3	220	ug/Kg
			Total Tics :		**2,126.40**				
			Total Concentration:		**10,826.40**				
Client ID :	**SED-06-0-2**								
Q3323-06	SED-06-0-2	SOIL	Phenanthrene		440.000		25.8	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Anthracene		130.000	J	41.1	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Fluoranthene		520.000		37.1	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Pyrene		330.000		44.5	210	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3323-06	SED-06-0-2	SOIL	Benzo(a)anthracene		250.000		28.4	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Chrysene		230.000		24.6	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(b)fluoranthene		260.000		23.5	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(k)fluoranthene		82.900	J	27.7	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(a)pyrene		220.000		36.4	210	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo(g,h,i)perylene		92.500	J	31.7	210	ug/Kg
			Total Svoc :		**2,555.40**				
Q3323-06	SED-06-0-2	SOIL	Anthracene, 2-methyl-	*	310.000	J	0	0	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzo[e]pyrene	*	130.000	J	0	0	ug/Kg
Q3323-06	SED-06-0-2	SOIL	Benzophenone	*	210.000	J	0	0	ug/Kg
			Total Tics :		**650.00**				
			Total Concentration:		**3,205.40**				
Client ID :	**SED-07-0-2**								
Q3323-07	SED-07-0-2	SOIL	Fluoranthene		170.000	J	36.9	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Pyrene		100.000	J	44.3	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(a)anthracene		86.900	J	28.3	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(b)fluoranthene		120.000	J	23.4	210	ug/Kg
Q3323-07	SED-07-0-2	SOIL	Benzo(a)pyrene		93.800	J	36.3	210	ug/Kg
			Total Svoc :		**570.70**				
Q3323-07	SED-07-0-2	SOIL	Benzophenone	*	180.000	J	0	0	ug/Kg
Q3323-07	SED-07-0-2	SOIL	n-Hexadecanoic acid	*	250.000	J	0	0	ug/Kg
			Total Tics :		**430.00**				
			Total Concentration:		**1,000.70**				

QC SUMMARY

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

SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170067BL	PB170067BL	2-Fluorophenol	150	131	88		18	112
		Phenol-d6	150	133	89		15	107
		Nitrobenzene-d5	100	95.1	95		18	107
		2-Fluorobiphenyl	100	85.4	85		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	95.8	96		10	105
PB170067BS	PB170067BS	2-Fluorophenol	150	116	77		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	85.4	85		18	107
		2-Fluorobiphenyl	100	78.8	79		20	109
		2,4,6-Tribromophenol	150	127	84		10	116
		Terphenyl-d14	100	93.5	94		10	105
Q3323-01	SED-01-0-2	2-Fluorophenol	150	75.4	50		18	112
		Phenol-d6	150	71.8	48		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	47.5	47		20	109
		2,4,6-Tribromophenol	150	56.8	38		10	116
		Terphenyl-d14	100	31.7	32		10	105
Q3323-02	SED-02-0-2	2-Fluorophenol	150	91.0	61		18	112
		Phenol-d6	150	90.0	60		15	107
		Nitrobenzene-d5	100	60.0	60		18	107
		2-Fluorobiphenyl	100	55.5	56		20	109
		2,4,6-Tribromophenol	150	71.2	47		10	116
		Terphenyl-d14	100	37.6	38		10	105
Q3323-03	SED-03-0-2	2-Fluorophenol	150	76.5	51		18	112
		Phenol-d6	150	76.0	51		15	107
		Nitrobenzene-d5	100	52.1	52		18	107
		2-Fluorobiphenyl	100	48.1	48		20	109
		2,4,6-Tribromophenol	150	59.2	39		10	116
		Terphenyl-d14	100	33.3	33		10	105
Q3323-04	SED-04-0-2	2-Fluorophenol	150	87.8	59		18	112
		Phenol-d6	150	88.6	59		15	107
		Nitrobenzene-d5	100	58.2	58		18	107
		2-Fluorobiphenyl	100	52.0	52		20	109
		2,4,6-Tribromophenol	150	79.9	53		10	116
		Terphenyl-d14	100	39.0	39		10	105
Q3323-04MS	SED-04-0-2MS	2-Fluorophenol	150	77.8	52		18	112
		Phenol-d6	150	77.9	52		15	107
		Nitrobenzene-d5	100	51.3	51		18	107
		2-Fluorobiphenyl	100	45.5	45		20	109
		2,4,6-Tribromophenol	150	69.0	46		10	116
		Terphenyl-d14	100	36.8	37		10	105
Q3323-04MSD	SED-04-0-2MSD	2-Fluorophenol	150	83.4	56		18	112
		Phenol-d6	150	83.9	56		15	107
		Nitrobenzene-d5	100	54.0	54		18	107
		2-Fluorobiphenyl	100	47.1	47		20	109
		2,4,6-Tribromophenol	150	71.4	48		10	116
		Terphenyl-d14	100	37.1	37		10	105
Q3323-05	SED-05-0-2	2-Fluorophenol	150	74.7	50		18	112
		Phenol-d6	150	72.6	48		15	107
		Nitrobenzene-d5	100	50.0	50		18	107

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Surrogate Summary

SW-846

SDG No.: Q3323

Client: Langan Engineering and Environmental Services, Inc

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3323-05	SED-05-0-2	2-Fluorobiphenyl	100	45.9	46		20	109
		2,4,6-Tribromophenol	150	56.4	38		10	116
		Terphenyl-d14	100	27.7	28		10	105
Q3323-06	SED-06-0-2	2-Fluorophenol	150	68.7	46		18	112
		Phenol-d6	150	66.7	44		15	107
		Nitrobenzene-d5	100	47.3	47		18	107
		2-Fluorobiphenyl	100	41.7	42		20	109
		2,4,6-Tribromophenol	150	52.4	35		10	116
		Terphenyl-d14	100	26.4	26		10	105
Q3323-07	SED-07-0-2	2-Fluorophenol	150	68.5	46		18	112
		Phenol-d6	150	64.1	43		15	107
		Nitrobenzene-d5	100	46.2	46		18	107
		2-Fluorobiphenyl	100	40.3	40		20	109
		2,4,6-Tribromophenol	150	48.7	32		10	116
		Terphenyl-d14	100	22.3	22		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** SW8270E

Client: Langan Engineering and Environmental S **DataFile:** BF143935.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3323-04MS		**Client Sample ID: SED-04-0-2MS**									
Benzaldehyde	2400	0	1400	ug/Kg	58				10	171	
Phenol	2400	0	2200	ug/Kg	92				51	122	
bis(2-Chloroethyl)ether	2400	0	2300	ug/Kg	96				54	125	
2-Chlorophenol	2400	0	2300	ug/Kg	96				51	121	
2-Methylphenol	2400	0	2300	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2400	0	2300	ug/Kg	96				46	119	
Acetophenone	2400	0	2400	ug/Kg	100				55	128	
3+4-Methylphenols	2400	0	2200	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	2400	0	2100	ug/Kg	88				59	119	
Hexachloroethane	2400	0	2300	ug/Kg	96				51	116	
Nitrobenzene	2400	0	2300	ug/Kg	96				47	124	
Isophorone	2400	0	2200	ug/Kg	92				49	127	
2-Nitrophenol	2400	0	2600	ug/Kg	108				43	131	
2,4-Dimethylphenol	2400	0	2500	ug/Kg	104				63	151	
bis(2-Chloroethoxy)methane	2400	0	2200	ug/Kg	92				51	119	
2,4-Dichlorophenol	2400	0	2200	ug/Kg	92				50	122	
Naphthalene	2400	0	2200	ug/Kg	92				51	121	
4-Chloroaniline	2400	0	1100	ug/Kg	46				10	100	
Hexachlorobutadiene	2400	0	2200	ug/Kg	92				44	126	
Caprolactam	2400	0	2300	ug/Kg	96				51	134	
4-Chloro-3-methylphenol	2400	0	2200	ug/Kg	92				57	132	
2-Methylnaphthalene	2400	0	1900	ug/Kg	79				59	123	
Hexachlorocyclopentadiene	4700	0	5400	ug/Kg	115				10	175	
2,4,6-Trichlorophenol	2400	0	2200	ug/Kg	92				33	141	
2,4,5-Trichlorophenol	2400	0	2300	ug/Kg	96				38	135	
1,1-Biphenyl	2400	0	2500	ug/Kg	104				55	131	
2-Chloronaphthalene	2400	0	2200	ug/Kg	92				48	124	
2-Nitroaniline	2400	0	2500	ug/Kg	104				47	134	
Dimethylphthalate	2400	0	2200	ug/Kg	92				54	120	
Acenaphthylene	2400	0	2500	ug/Kg	104				57	125	
2,6-Dinitrotoluene	2400	0	2700	ug/Kg	113				48	127	
3-Nitroaniline	2400	0	1600	ug/Kg	67				10	112	
Acenaphthene	2400	0	2300	ug/Kg	96				70	121	
2,4-Dinitrophenol	4700	0	3900	ug/Kg	83				10	155	
4-Nitrophenol	4700	0	4300	ug/Kg	91				10	175	
Dibenzofuran	2400	0	2200	ug/Kg	92				52	114	
2,4-Dinitrotoluene	2400	0	2500	ug/Kg	104				41	140	
Diethylphthalate	2400	0	2200	ug/Kg	92				51	119	
4-Chlorophenyl-phenylether	2400	0	2100	ug/Kg	88				48	122	
Fluorene	2400	0	2100	ug/Kg	88				53	118	
4-Nitroaniline	2400	0	2200	ug/Kg	92				29	140	
4,6-Dinitro-2-methylphenol	2400	0	2600	ug/Kg	108				10	160	
N-Nitrosodiphenylamine	2400	0	2400	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	2400	0	2300	ug/Kg	96				65	121	
Hexachlorobenzene	2400	0	2200	ug/Kg	92				67	118	
Atrazine	2400	0	2400	ug/Kg	100				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** SW8270E

Client: Langan Engineering and Environmental S **DataFile:** BF143935.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4700	0	4300	ug/Kg	91				13	153	
Phenanthrene	2400	0	2200	ug/Kg	92				52	128	
Anthracene	2400	0	2200	ug/Kg	92				62	124	
Carbazole	2400	0	2200	ug/Kg	92				59	119	
Di-n-butylphthalate	2400	0	2300	ug/Kg	96				55	125	
Fluoranthene	2400	110	2100	ug/Kg	83				44	125	
Pyrene	2400	110	2000	ug/Kg	79				37	122	
Butylbenzylphthalate	2400	0	2300	ug/Kg	96				44	135	
3,3-Dichlorobenzidine	2400	0	1700	ug/Kg	71				15	112	
Benzo(a)anthracene	2400	100	2500	ug/Kg	100				53	119	
Chrysene	2400	0	2300	ug/Kg	96				57	121	
bis(2-Ethylhexyl)phthalate	2400	0	2600	ug/Kg	108				42	169	
Di-n-octyl phthalate	2400	0	3100	ug/Kg	129				51	156	
Benzo(b)fluoranthene	2400	0	2100	ug/Kg	88				52	117	
Benzo(k)fluoranthene	2400	0	2200	ug/Kg	92				57	134	
Benzo(a)pyrene	2400	0	2400	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	2400	0	2400	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	2400	0	2400	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	2400	0	2400	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	2400	0	2400	ug/Kg	100				52	134	
1,4-Dioxane	2400	0	2200	ug/Kg	92				46	112	
2,3,4,6-Tetrachlorophenol	2400	0	2200	ug/Kg	92				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** SW8270E

Client: Langan Engineering and Environmental S **DataFile:** BF143936.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3323-04MSD		**Client Sample ID: SED-04-0-2MSD**									
Benzaldehyde	2400	0	1600	ug/Kg	67		14		10	171	20
Phenol	2400	0	2400	ug/Kg	100		8		51	122	20
bis(2-Chloroethyl)ether	2400	0	2400	ug/Kg	100		4		54	125	20
2-Chlorophenol	2400	0	2400	ug/Kg	100		4		51	121	20
2-Methylphenol	2400	0	2400	ug/Kg	100		4		47	125	20
2,2-oxybis(1-Chloropropane)	2400	0	2500	ug/Kg	104		8		46	119	20
Acetophenone	2400	0	2600	ug/Kg	108		8		55	128	20
3+4-Methylphenols	2400	0	2300	ug/Kg	96		4		49	125	20
N-Nitroso-di-n-propylamine	2400	0	2200	ug/Kg	92		4		59	119	20
Hexachloroethane	2400	0	2400	ug/Kg	100		4		51	116	20
Nitrobenzene	2400	0	2500	ug/Kg	104		8		47	124	20
Isophorone	2400	0	2300	ug/Kg	96		4		49	127	20
2-Nitrophenol	2400	0	2800	ug/Kg	117		8		43	131	20
2,4-Dimethylphenol	2400	0	2600	ug/Kg	108		4		63	151	20
bis(2-Chloroethoxy)methane	2400	0	2400	ug/Kg	100		8		51	119	20
2,4-Dichlorophenol	2400	0	2300	ug/Kg	96		4		50	122	20
Naphthalene	2400	0	2300	ug/Kg	96		4		51	121	20
4-Chloroaniline	2400	0	1100	ug/Kg	46		0		10	100	20
Hexachlorobutadiene	2400	0	2300	ug/Kg	96		4		44	126	20
Caprolactam	2400	0	2400	ug/Kg	100		4		51	134	20
4-Chloro-3-methylphenol	2400	0	2300	ug/Kg	96		4		57	132	20
2-Methylnaphthalene	2400	0	2100	ug/Kg	88		11		59	123	20
Hexachlorocyclopentadiene	4700	0	5300	ug/Kg	113		2		10	175	20
2,4,6-Trichlorophenol	2400	0	2300	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2400	0	2300	ug/Kg	96		0		38	135	20
1,1-Biphenyl	2400	0	2500	ug/Kg	104		0		55	131	20
2-Chloronaphthalene	2400	0	2300	ug/Kg	96		4		48	124	20
2-Nitroaniline	2400	0	2500	ug/Kg	104		0		47	134	20
Dimethylphthalate	2400	0	2300	ug/Kg	96		4		54	120	20
Acenaphthylene	2400	0	2600	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2400	0	2800	ug/Kg	117		3		48	127	20
3-Nitroaniline	2400	0	1600	ug/Kg	67		0		10	112	20
Acenaphthene	2400	0	2400	ug/Kg	100		4		70	121	20
2,4-Dinitrophenol	4700	0	4000	ug/Kg	85		2		10	155	20
4-Nitrophenol	4700	0	4400	ug/Kg	94		3		10	175	20
Dibenzofuran	2400	0	2200	ug/Kg	92		0		52	114	20
2,4-Dinitrotoluene	2400	0	2600	ug/Kg	108		4		41	140	20
Diethylphthalate	2400	0	2200	ug/Kg	92		0		51	119	20
4-Chlorophenyl-phenylether	2400	0	2200	ug/Kg	92		4		48	122	20
Fluorene	2400	0	2200	ug/Kg	92		4		53	118	20
4-Nitroaniline	2400	0	2200	ug/Kg	92		0		29	140	20
4,6-Dinitro-2-methylphenol	2400	0	2800	ug/Kg	117		8		10	160	20
N-Nitrosodiphenylamine	2400	0	2500	ug/Kg	104		4		73	118	20
4-Bromophenyl-phenylether	2400	0	2400	ug/Kg	100		4		65	121	20
Hexachlorobenzene	2400	0	2300	ug/Kg	96		4		67	118	20
Atrazine	2400	0	2500	ug/Kg	104		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** SW8270E

Client: Langan Engineering and Environmental S **DataFile:** BF143936.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4700	0	4300	ug/Kg	91	0			13	153	20
Phenanthrene	2400	0	2400	ug/Kg	100	8			52	128	20
Anthracene	2400	0	2300	ug/Kg	96	4			62	124	20
Carbazole	2400	0	2300	ug/Kg	96	4			59	119	20
Di-n-butylphthalate	2400	0	2400	ug/Kg	100	4			55	125	20
Fluoranthene	2400	110	2200	ug/Kg	87	5			44	125	20
Pyrene	2400	110	2000	ug/Kg	79	0			37	122	20
Butylbenzylphthalate	2400	0	2400	ug/Kg	100	4			44	135	20
3,3-Dichlorobenzidine	2400	0	1800	ug/Kg	75	5			15	112	20
Benzo(a)anthracene	2400	100	2500	ug/Kg	100	0			53	119	20
Chrysene	2400	0	2400	ug/Kg	100	4			57	121	20
bis(2-Ethylhexyl)phthalate	2400	0	2700	ug/Kg	113	5			42	169	20
Di-n-octyl phthalate	2400	0	3200	ug/Kg	133	3			51	156	20
Benzo(b)fluoranthene	2400	0	2200	ug/Kg	92	4			52	117	20
Benzo(k)fluoranthene	2400	0	2400	ug/Kg	100	8			57	134	20
Benzo(a)pyrene	2400	0	2600	ug/Kg	108	8			70	142	20
Indeno(1,2,3-cd)pyrene	2400	0	2500	ug/Kg	104	4			40	129	20
Dibenz(a,h)anthracene	2400	0	2500	ug/Kg	104	4			43	123	20
Benzo(g,h,i)perylene	2400	0	2500	ug/Kg	104	4			24	125	20
1,2,4,5-Tetrachlorobenzene	2400	0	2500	ug/Kg	104	4			52	134	20
1,4-Dioxane	2400	0	2400	ug/Kg	100	8			46	112	20
2,3,4,6-Tetrachlorophenol	2400	0	2300	ug/Kg	96	4			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** 8270E

Client: Langan Engineering and Environmental Services, In **DataFile:** BF143948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170067BS	Benzaldehyde	1700	920	ug/Kg	54				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	730	ug/Kg	43				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3323 **Analytical Method:** 8270E

Client: Langan Engineering and Environmental Services, In **DataFile:** BF143948.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170067BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2700	ug/Kg	82				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	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	860	ug/Kg	51				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	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170067BL

Lab Name: Alliance | Contract: LANG01

Lab Code: ACE | SDG NO.: Q3323

Lab File ID: BF143947.D | Lab Sample ID: PB170067BL

Instrument ID: BNA_F | Date Extracted: 10/13/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/14/2025

Level: (low/med) LOW | Time Analyzed: 14:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170067BS	PB170067BS	BF143948.D	10/14/2025
SED-01-0-2	Q3323-01	BF143937.D	10/13/2025
SED-02-0-2	Q3323-02	BF143938.D	10/13/2025
SED-04-0-2	Q3323-04	BF143934.D	10/13/2025
SED-04-0-2MS	Q3323-04MS	BF143935.D	10/13/2025
SED-04-0-2MSD	Q3323-04MSD	BF143936.D	10/13/2025
SED-03-0-2	Q3323-03	BF143939.D	10/13/2025
SED-05-0-2	Q3323-05	BF143940.D	10/13/2025
SED-06-0-2	Q3323-06	BF143941.D	10/13/2025
SED-07-0-2	Q3323-07	BF143942.D	10/13/2025

COMMENTS:

Raw Data: **BF143874.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3323

Lab File ID: BF143874.D DFTPP Injection Date: 10/06/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	24
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.9
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF143875.D	10/06/2025	09:59
SSTDICC005	SSTDICC005	BF143876.D	10/06/2025	10:28
SSTDICC010	SSTDICC010	BF143877.D	10/06/2025	10:57
SSTDICC020	SSTDICC020	BF143878.D	10/06/2025	11:56
SSTDICCC040	SSTDICCC040	BF143879.D	10/06/2025	12:54
SSTDICC050	SSTDICC050	BF143880.D	10/06/2025	13:23
SSTDICC060	SSTDICC060	BF143881.D	10/06/2025	13:53
SSTDICC080	SSTDICC080	BF143882.D	10/06/2025	14:22

Raw Data: **BF143930.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3323

Lab File ID: BF143930.D DFTPP Injection Date: 10/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.4) 1
69	Mass 69 relative abundance	23.8
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143931.D	10/13/2025	14:32
SED-04-0-2	Q3323-04	BF143934.D	10/13/2025	16:05
SED-04-0-2MS	Q3323-04MS	BF143935.D	10/13/2025	16:33
SED-04-0-2MSD	Q3323-04MSD	BF143936.D	10/13/2025	17:03
SED-01-0-2	Q3323-01	BF143937.D	10/13/2025	17:32
SED-02-0-2	Q3323-02	BF143938.D	10/13/2025	18:00
SED-03-0-2	Q3323-03	BF143939.D	10/13/2025	18:30
SED-05-0-2	Q3323-05	BF143940.D	10/13/2025	18:58
SED-06-0-2	Q3323-06	BF143941.D	10/13/2025	19:27
SED-07-0-2	Q3323-07	BF143942.D	10/13/2025	19:56

Raw Data: **BF143945.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG NO.: Q3323

Lab File ID: BF143945.D DFTPP Injection Date: 10/14/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.6) 1
69	Mass 69 relative abundance	27.8
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.5
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
SSTDCCC040	SSTDCCC040	BF143946.D	10/14/2025	13:57
PB170067BL	PB170067BL	BF143947.D	10/14/2025	14:25
PB170067BS	PB170067BS	BF143948.D	10/14/2025	15:37

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3323

Client ID : SSTDCCC040 Date Analyzed: 10/13/2025

Lab File ID: BF143931.D Time Analyzed: 14:32

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	130985	6.887	502019	8.17	268195	9.93
	UPPER LIMIT	261970	7.387	1004040	8.669	536390	10.428
	LOWER LIMIT	65492.5	6.387	251010	7.669	134098	9.428
	EPA SAMPLE NO.						
01	SED-04-0-2	113226	6.88	427226	8.16	219740	9.92
02	SED-04-0-2MS	107554	6.88	415656	8.17	216450	9.92
03	SED-01-0-2	109817	6.88	409017	8.16	204732	9.92
04	SED-02-0-2	101798	6.88	377694	8.16	185168	9.92
05	SED-03-0-2	105702	6.88	380784	8.16	194972	9.92
06	SED-04-0-2MSD	102854	6.88	398815	8.17	212407	9.93
07	SED-05-0-2	107651	6.88	379182	8.16	180774	9.92
08	SED-06-0-2	111779	6.88	409481	8.16	209857	9.92
09	SED-07-0-2	96804	6.88	346821	8.16	149732	9.92

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3323

Client ID: SSTDCCC040 Date Analyzed: 10/13/2025

Lab File ID: BF143931.D Time Analyzed: 14:32

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	439915	11.416	237468	14.063	283298	15.551
	UPPER LIMIT	879830	11.916	474936	14.563	566596	16.051
	LOWER LIMIT	219958	10.916	118734	13.563	141649	15.051
	EPA SAMPLE NO.						
01	SED-04-0-2	335261	11.41	243631	14.06	311711	15.55
02	SED-04-0-2MS	333679	11.42	222422	14.06	297210	15.55
03	SED-01-0-2	303202	11.41	234493	14.06	314720	15.55
04	SED-02-0-2	262286	11.41	224418	14.06	290653	15.55
05	SED-03-0-2	272542	11.41	233050	14.06	302615	15.55
06	SED-04-0-2MSD	318280	11.42	214097	14.06	282828	15.55
07	SED-05-0-2	249842	11.42	234306	14.06	306494	15.55
08	SED-06-0-2	300092	11.41	253022	14.06	326397	15.55
09	SED-07-0-2	225565	11.41	250053	14.06	272960	15.55

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3323

Client ID : SSTDCCC040 Date Analyzed: 10/14/2025

Lab File ID: BF143946.D Time Analyzed: 13:57

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	131735	6.881	483664	8.17	238586	9.92
	UPPER LIMIT	263470	7.381	967328	8.669	477172	10.422
	LOWER LIMIT	65867.5	6.381	241832	7.669	119293	9.422
	EPA SAMPLE NO.						
01	PB170067BL	124324	6.88	501303	8.16	273867	9.92
02	PB170067BS	118816	6.88	463801	8.17	249783	9.93

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3323

Client ID: SSTDCCC040 Date Analyzed: 10/14/2025

Lab File ID: BF143946.D Time Analyzed: 13:57

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	401091	11.416	215371	14.063	223666	15.545
	UPPER LIMIT	802182	11.916	430742	14.563	447332	16.045
	LOWER LIMIT	200546	10.916	107686	13.563	111833	15.045
	EPA SAMPLE NO.						
01	PB170067BL	483747	11.42	306236	14.06	259328	15.55
02	PB170067BS	432264	11.42	248238	14.07	243737	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: **BF143937.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-01-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	230	U	1	230	490	ug/Kg	10/13/25 17:32	PB170067
108-95-2	Phenol	33.0	U	1	33.0	250	ug/Kg	10/13/25 17:32	PB170067
111-44-4	bis(2-Chloroethyl)ether	36.3	U	1	36.3	250	ug/Kg	10/13/25 17:32	PB170067
95-57-8	2-Chlorophenol	36.5	U	1	36.5	250	ug/Kg	10/13/25 17:32	PB170067
95-48-7	2-Methylphenol	44.7	U	1	44.7	250	ug/Kg	10/13/25 17:32	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	56.0	U	1	56.0	250	ug/Kg	10/13/25 17:32	PB170067
98-86-2	Acetophenone	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
65794-96-9	3+4-Methylphenols	61.4	U	1	61.4	490	ug/Kg	10/13/25 17:32	PB170067
621-64-7	n-Nitroso-di-n-propylamine	70.8	U	1	70.8	120	ug/Kg	10/13/25 17:32	PB170067
67-72-1	Hexachloroethane	26.3	U	1	26.3	250	ug/Kg	10/13/25 17:32	PB170067
98-95-3	Nitrobenzene	27.3	U	1	27.3	250	ug/Kg	10/13/25 17:32	PB170067
78-59-1	Isophorone	49.0	U	1	49.0	250	ug/Kg	10/13/25 17:32	PB170067
88-75-5	2-Nitrophenol	87.0	U	1	87.0	250	ug/Kg	10/13/25 17:32	PB170067
105-67-9	2,4-Dimethylphenol	96.8	U	1	96.8	250	ug/Kg	10/13/25 17:32	PB170067
111-91-1	bis(2-Chloroethoxy)methane	46.0	U	1	46.0	250	ug/Kg	10/13/25 17:32	PB170067
120-83-2	2,4-Dichlorophenol	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
91-20-3	Naphthalene	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
106-47-8	4-Chloroaniline	52.9	U	1	52.9	250	ug/Kg	10/13/25 17:32	PB170067
87-68-3	Hexachlorobutadiene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
105-60-2	Caprolactam	77.8	U	1	77.8	490	ug/Kg	10/13/25 17:32	PB170067
59-50-7	4-Chloro-3-methylphenol	42.9	U	1	42.9	250	ug/Kg	10/13/25 17:32	PB170067
91-57-6	2-Methylnaphthalene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
77-47-4	Hexachlorocyclopentadiene	170	U	1	170	490	ug/Kg	10/13/25 17:32	PB170067
88-06-2	2,4,6-Trichlorophenol	29.6	U	1	29.6	250	ug/Kg	10/13/25 17:32	PB170067
95-95-4	2,4,5-Trichlorophenol	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
92-52-4	1,1-Biphenyl	32.6	U	1	32.6	250	ug/Kg	10/13/25 17:32	PB170067
91-58-7	2-Chloronaphthalene	33.6	U	1	33.6	250	ug/Kg	10/13/25 17:32	PB170067
88-74-4	2-Nitroaniline	71.9	U	1	71.9	250	ug/Kg	10/13/25 17:32	PB170067
131-11-3	Dimethylphthalate	40.5	U	1	40.5	250	ug/Kg	10/13/25 17:32	PB170067
208-96-8	Acenaphthylene	43.2	U	1	43.2	250	ug/Kg	10/13/25 17:32	PB170067
606-20-2	2,6-Dinitrotoluene	50.2	U	1	50.2	250	ug/Kg	10/13/25 17:32	PB170067
99-09-2	3-Nitroaniline	68.7	U	1	68.7	250	ug/Kg	10/13/25 17:32	PB170067
83-32-9	Acenaphthene	31.8	U	1	31.8	250	ug/Kg	10/13/25 17:32	PB170067
51-28-5	2,4-Dinitrophenol	340	U	1	340	490	ug/Kg	10/13/25 17:32	PB170067
100-02-7	4-Nitrophenol	160	U	1	160	490	ug/Kg	10/13/25 17:32	PB170067
132-64-9	Dibenzofuran	33.9	U	1	33.9	250	ug/Kg	10/13/25 17:32	PB170067
121-14-2	2,4-Dinitrotoluene	74.9	U	1	74.9	250	ug/Kg	10/13/25 17:32	PB170067
84-66-2	Diethylphthalate	42.3	U	1	42.3	250	ug/Kg	10/13/25 17:32	PB170067
7005-72-3	4-Chlorophenyl-phenylether	39.9	U	1	39.9	250	ug/Kg	10/13/25 17:32	PB170067
86-73-7	Fluorene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
100-01-6	4-Nitroaniline	95.9	U	1	95.9	250	ug/Kg	10/13/25 17:32	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	490	ug/Kg	10/13/25 17:32	PB170067

Raw Data: **BF143937.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-01-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	49.2	U	1	49.2	250	ug/Kg	10/13/25 17:32	PB170067
101-55-3	4-Bromophenyl-phenylether	41.5	U	1	41.5	250	ug/Kg	10/13/25 17:32	PB170067
118-74-1	Hexachlorobenzene	37.8	U	1	37.8	250	ug/Kg	10/13/25 17:32	PB170067
1912-24-9	Atrazine	50.8	U	1	50.8	250	ug/Kg	10/13/25 17:32	PB170067
87-86-5	Pentachlorophenol	76.6	U	1	76.6	490	ug/Kg	10/13/25 17:32	PB170067
85-01-8	Phenanthrene	31.2	U	1	31.2	250	ug/Kg	10/13/25 17:32	PB170067
120-12-7	Anthracene	49.8	U	1	49.8	250	ug/Kg	10/13/25 17:32	PB170067
86-74-8	Carbazole	46.6	U	1	46.6	250	ug/Kg	10/13/25 17:32	PB170067
84-74-2	Di-n-butylphthalate	71.6	U	1	71.6	250	ug/Kg	10/13/25 17:32	PB170067
206-44-0	Fluoranthene	44.8	U	1	44.8	250	ug/Kg	10/13/25 17:32	PB170067
129-00-0	Pyrene	53.8	U	1	53.8	250	ug/Kg	10/13/25 17:32	PB170067
85-68-7	Butylbenzylphthalate	110	U	1	110	250	ug/Kg	10/13/25 17:32	PB170067
91-94-1	3,3-Dichlorobenzidine	54.8	U	1	54.8	490	ug/Kg	10/13/25 17:32	PB170067
56-55-3	Benzo(a)anthracene	34.4	U	1	34.4	250	ug/Kg	10/13/25 17:32	PB170067
218-01-9	Chrysene	29.7	U	1	29.7	250	ug/Kg	10/13/25 17:32	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	88.4	U	1	88.4	250	ug/Kg	10/13/25 17:32	PB170067
117-84-0	Di-n-octyl phthalate	130	U	1	130	490	ug/Kg	10/13/25 17:32	PB170067
205-99-2	Benzo(b)fluoranthene	28.4	U	1	28.4	250	ug/Kg	10/13/25 17:32	PB170067
207-08-9	Benzo(k)fluoranthene	33.5	U	1	33.5	250	ug/Kg	10/13/25 17:32	PB170067
50-32-8	Benzo(a)pyrene	44.1	U	1	44.1	250	ug/Kg	10/13/25 17:32	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	43.5	U	1	43.5	250	ug/Kg	10/13/25 17:32	PB170067
53-70-3	Dibenzo(a,h)anthracene	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067
191-24-2	Benzo(g,h,i)perylene	38.4	U	1	38.4	250	ug/Kg	10/13/25 17:32	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	38.2	U	1	38.2	250	ug/Kg	10/13/25 17:32	PB170067
123-91-1	1,4-Dioxane	67.5	U	1	67.5	250	ug/Kg	10/13/25 17:32	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	40.9	U	1	40.9	250	ug/Kg	10/13/25 17:32	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	75.4			18 - 112	50%	SPK: 150		
13127-88-3	Phenol-d6	71.8			15 - 107	48%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.3			18 - 107	51%	SPK: 100		
321-60-8	2-Fluorobiphenyl	47.5			20 - 109	47%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	56.8			10 - 116	38%	SPK: 150		
1718-51-0	Terphenyl-d14	31.7			10 - 105	32%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	110000							
1146-65-2	Naphthalene-d8	409000							
15067-26-2	Acenaphthene-d10	205000							
1517-22-2	Phenanthrene-d10	303000							
1719-03-5	Chrysene-d12	234000							
1520-96-3	Perylene-d12	315000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	180	J			11.9	ug/Kg		

Raw Data: **BF143937.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-01-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000638-96-0	.alpha.-Amyrone	420	J			18.2	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: **BF143937.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Time: Oct 13 17:55:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

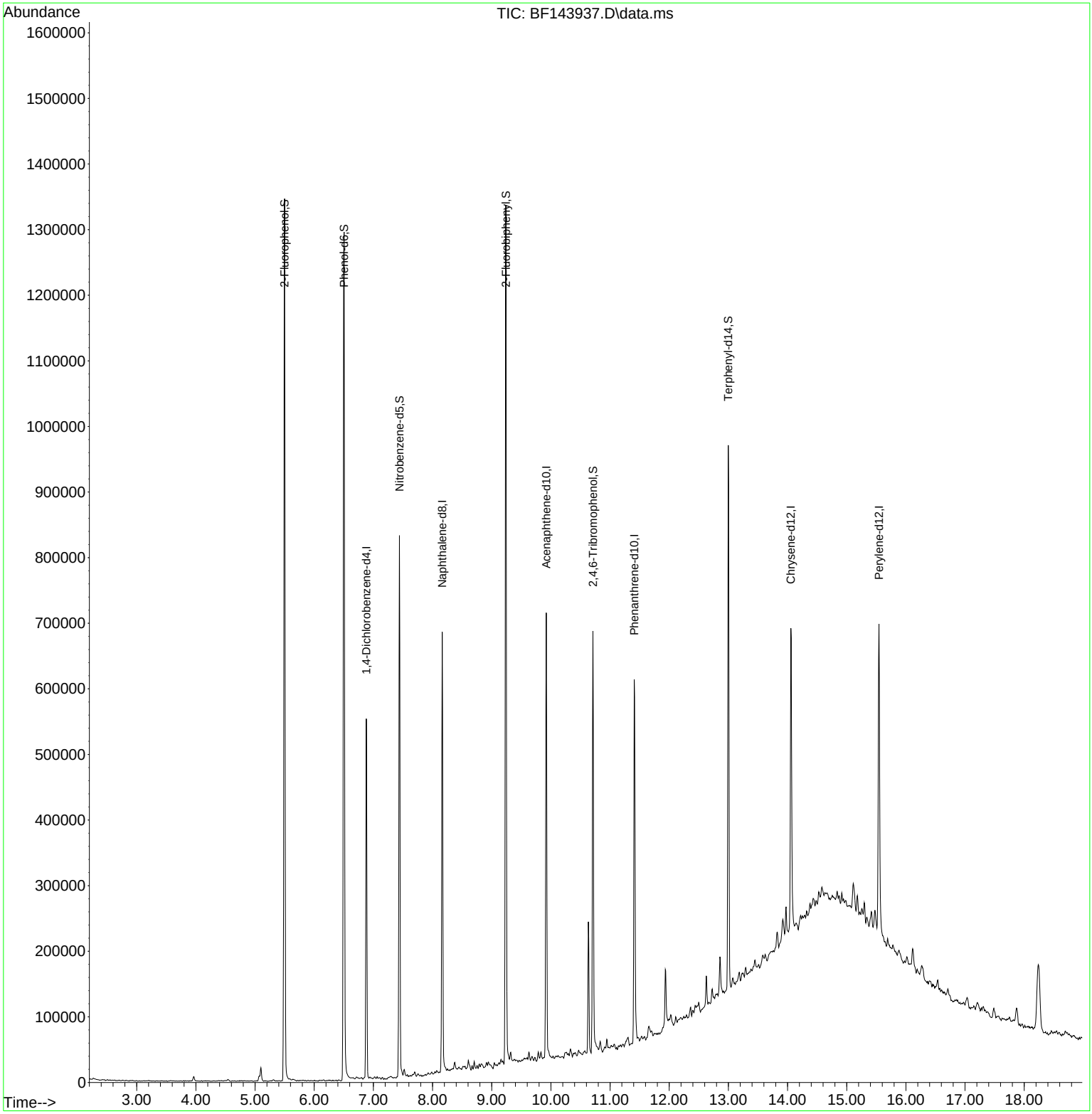
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	109817	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	409017	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	204732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	303202	20.000	ng	0.00
76) Chrysene-d12	14.057	240	234493	20.000	ng	-0.01
86) Perylene-d12	15.545	264	314720	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	521736	75.445	ng	0.00
7) Phenol-d6	6.504	99	591813	71.796	ng	-0.01
23) Nitrobenzene-d5	7.440	82	345381	51.302	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	115894	56.834	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	612674	47.484	ng	-0.01
79) Terphenyl-d14	12.998	244	434819	31.691	ng	-0.01
Target Compounds						Qvalue

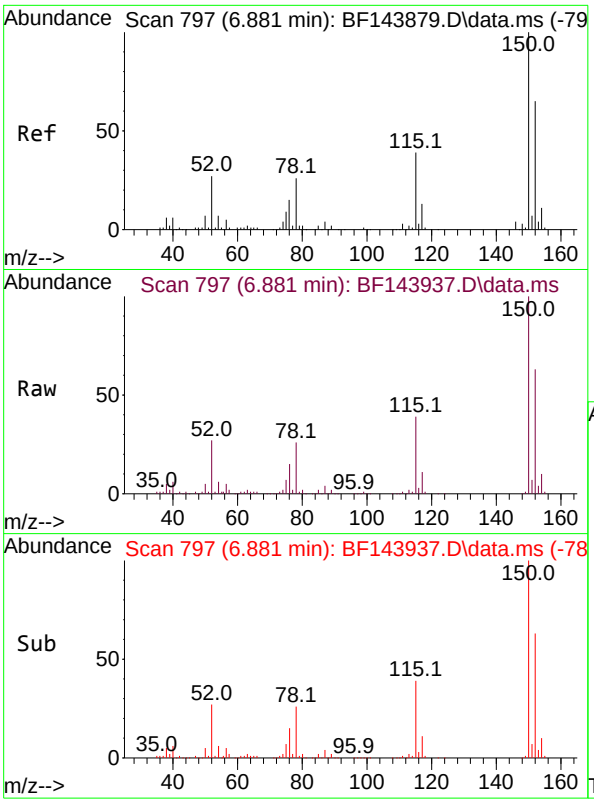
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Time: Oct 13 17:55:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



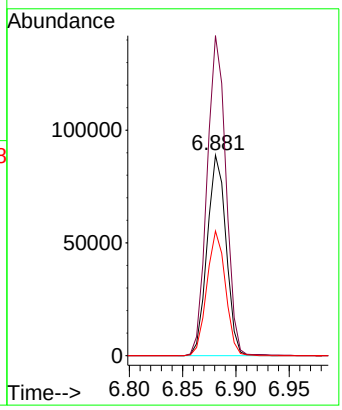


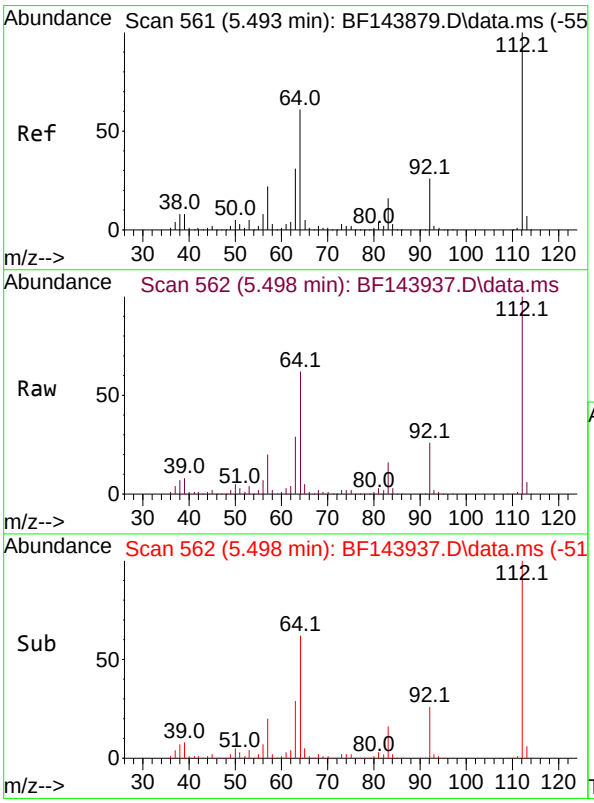
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion:152 Resp: 109817

Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.4	186.6
115	62.1	48.1	72.1

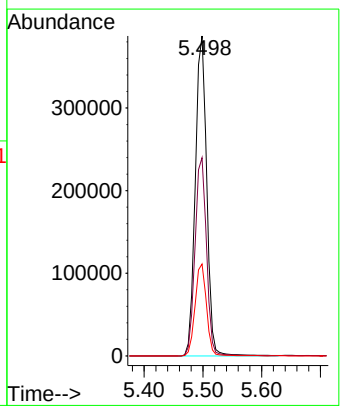


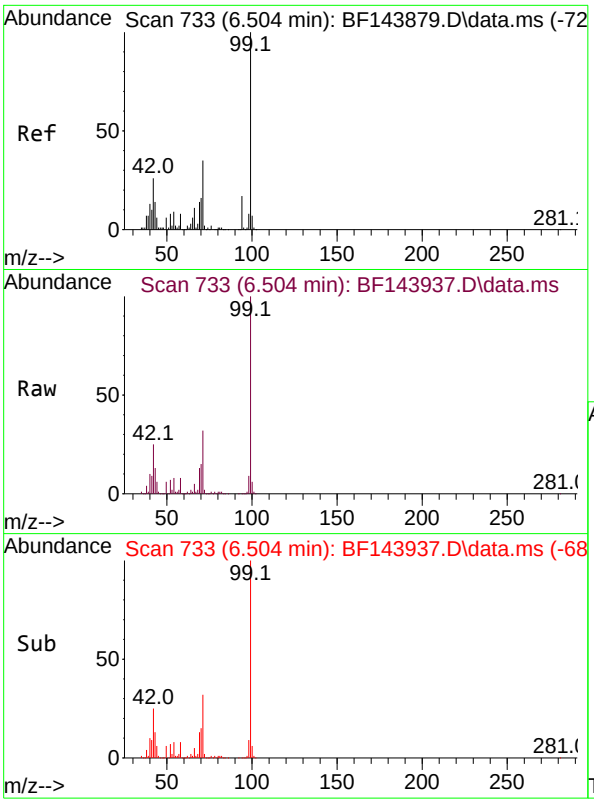


#5
2-Fluorophenol
Concen: 75.445 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:112 Resp: 521736

Ion	Ratio	Lower	Upper
112	100		
64	61.9	49.1	73.7
63	28.7	24.5	36.7



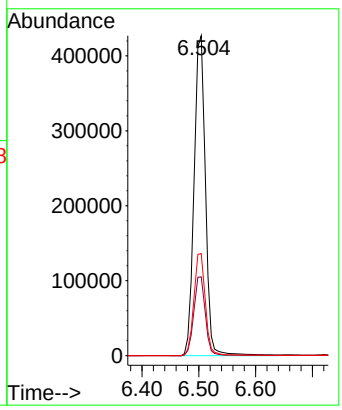


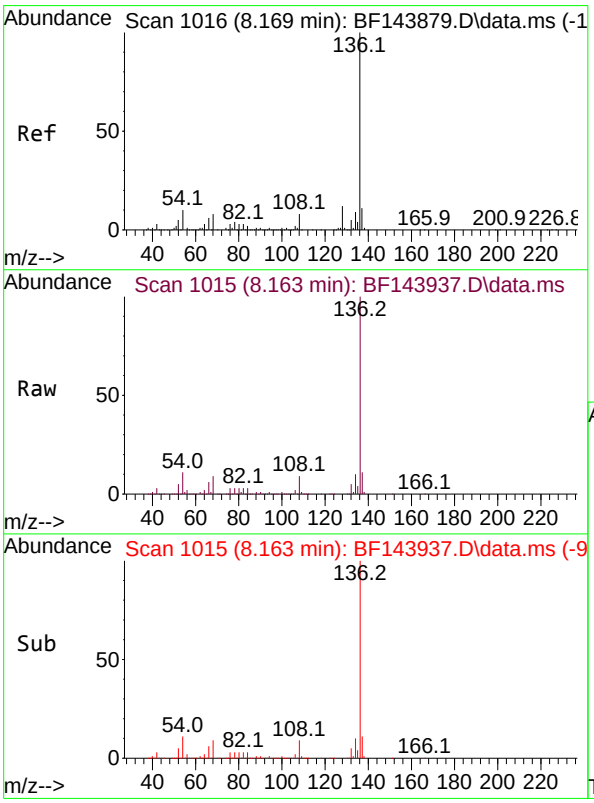
#7
Phenol-d6
Concen: 71.796 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion: 99 Resp: 591813

Ion	Ratio	Lower	Upper
99	100		
42	24.6	21.0	31.4
71	31.9	27.8	41.8

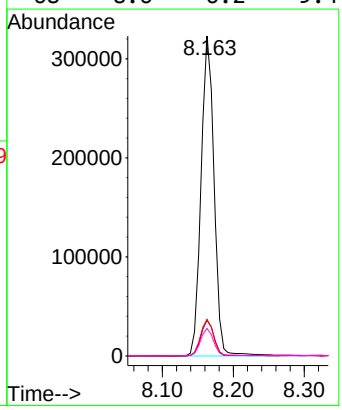


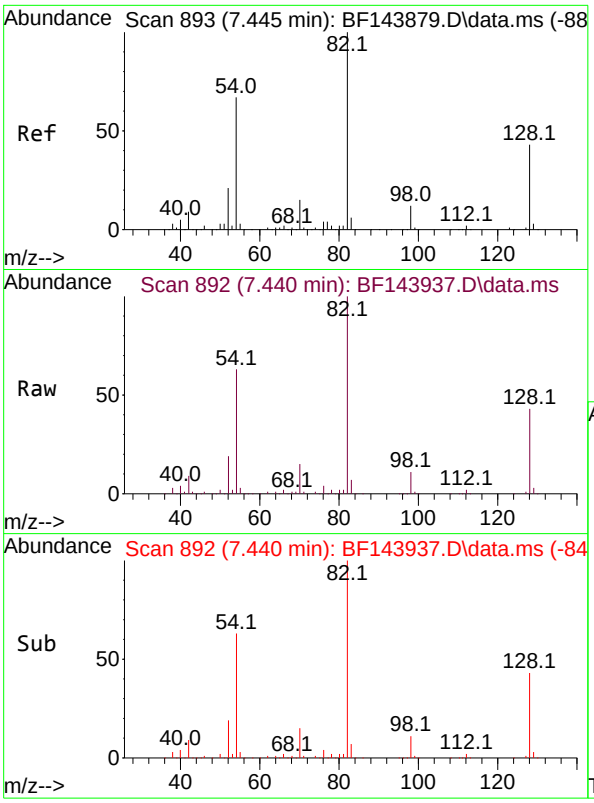


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:136 Resp: 409017

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.4	8.2	12.4
68	8.6	6.2	9.4



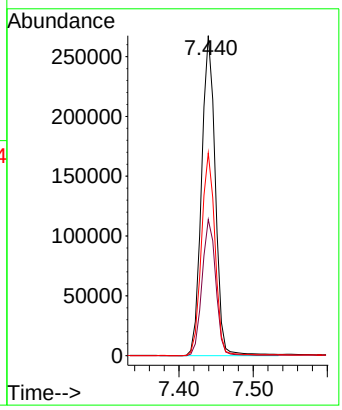


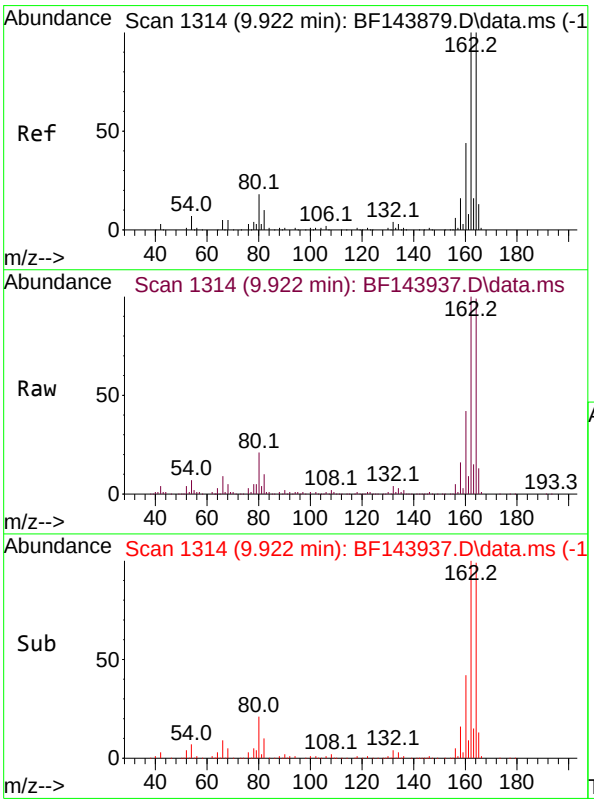
#23
Nitrobenzene-d5
Concen: 51.302 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion: 82 Resp: 345381

Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	63.3	53.2	79.8

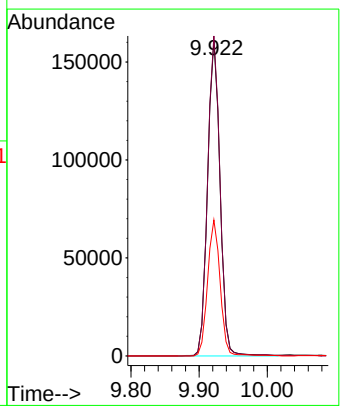


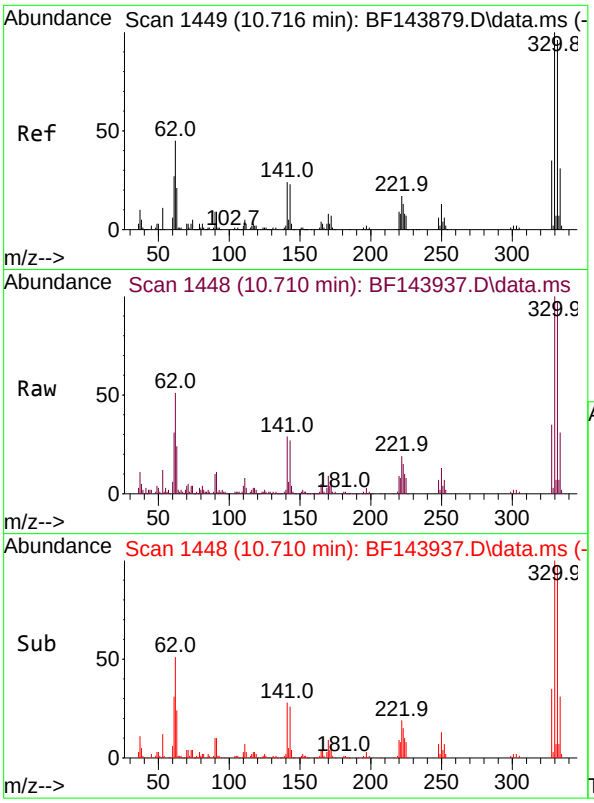


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:164 Resp: 204732

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.2	120.2
160	43.1	35.4	53.0



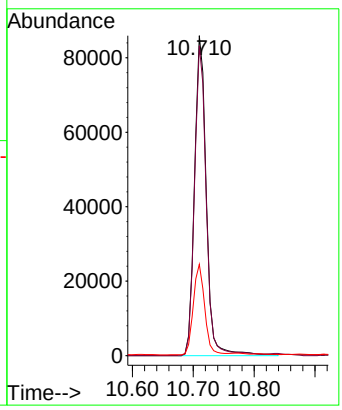


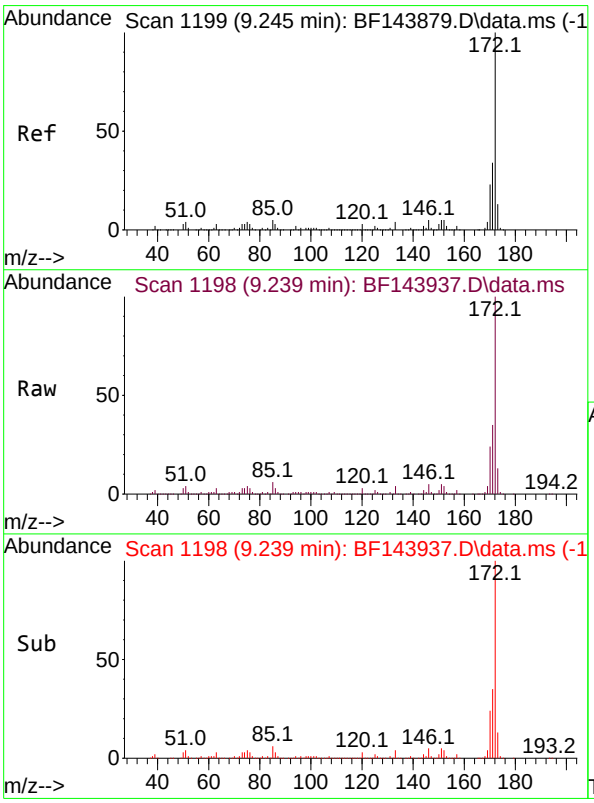
#42
2,4,6-Tribromophenol
Concen: 56.834 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion:330 Resp: 115894

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.9	115.3
141	27.5	20.2	30.4

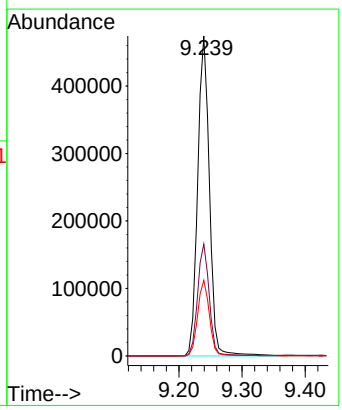


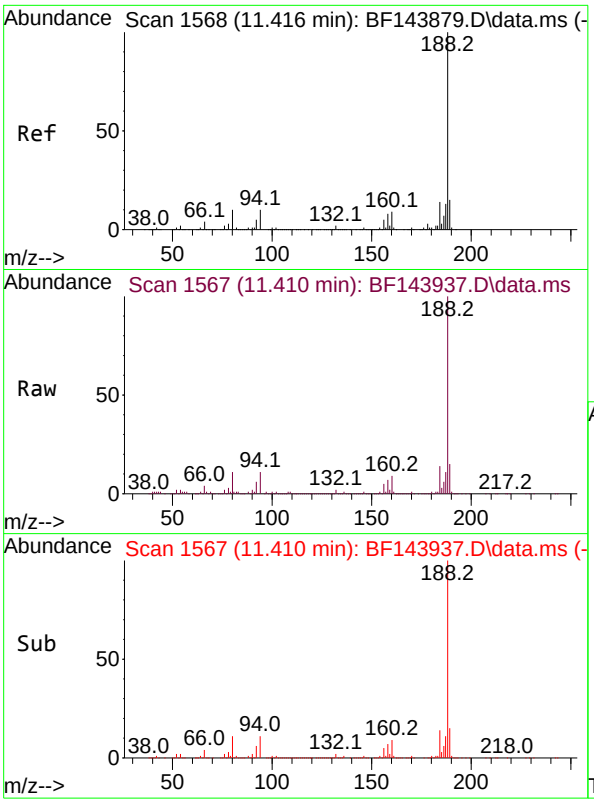


#45
2-Fluorobiphenyl
Concen: 47.484 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:172 Resp: 612674

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.6	18.6	28.0



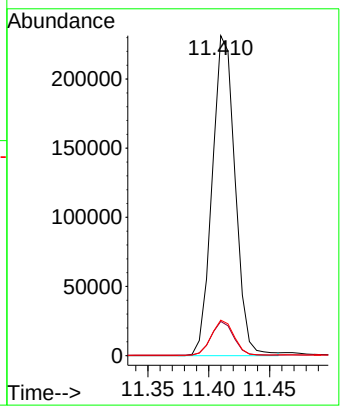


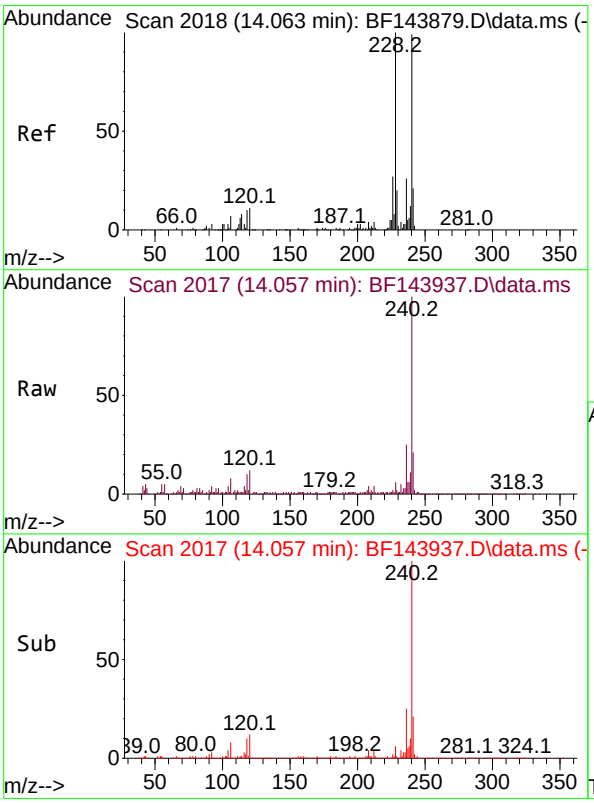
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion:188 Resp: 303202

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	11.1	7.9	11.9

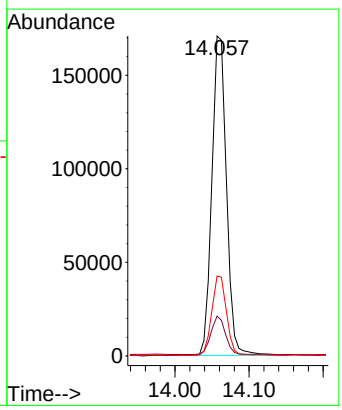


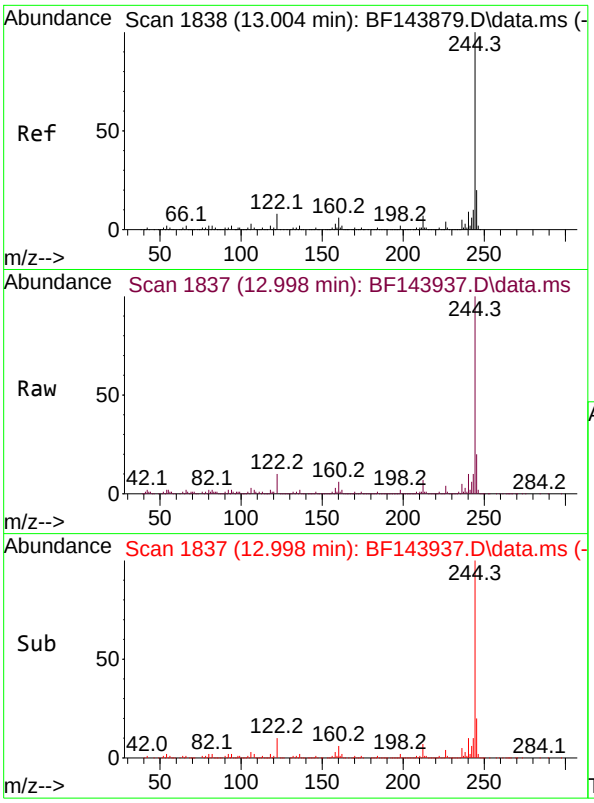


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:240 Resp: 234493

Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.6	13.0
236	25.0	21.1	31.7



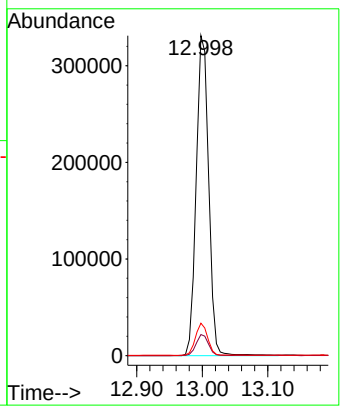


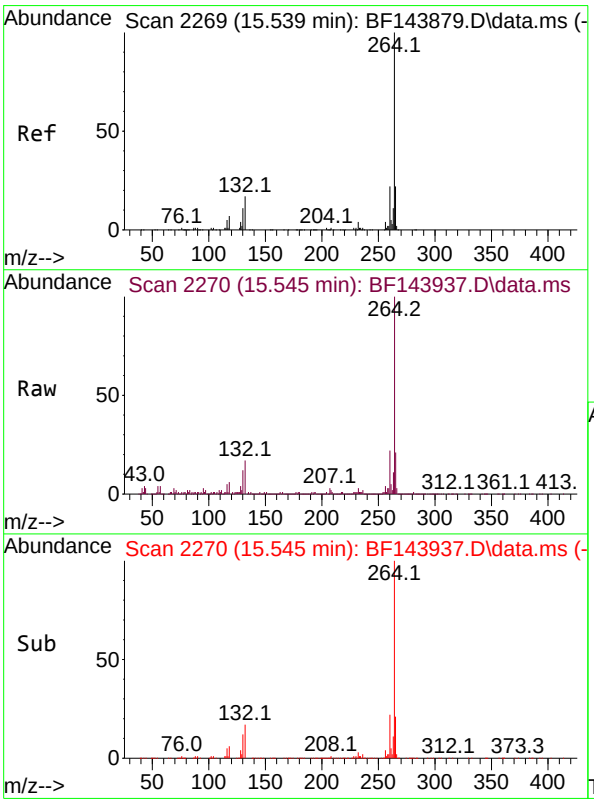
#79
Terphenyl-d14
Concen: 31.691 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Tgt Ion:244 Resp: 434819

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	6.4	9.6#

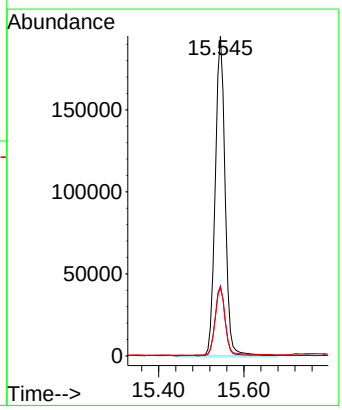




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143937.D
Acq: 13 Oct 2025 17:32

Tgt Ion:264 Resp: 314720

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	21.3	17.5	26.3



Sample Results: **BF143937.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143937.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.099	490	494	502	rVB	20692	33903	1.87%	0.242%
2	5.498	556	562	575	rBV	1344341	1808452	99.48%	12.896%
3	6.504	727	733	752	rBV	1292901	1817844	100.00%	12.963%
4	6.881	792	797	804	rVB	547925	671238	36.92%	4.787%
5	7.440	886	892	897	rBV	825177	1047902	57.65%	7.473%
6	8.163	1009	1015	1028	rBV	671583	874398	48.10%	6.235%
7	8.604	1087	1090	1098	rVB3	14808	27296	1.50%	0.195%
8	9.239	1192	1198	1208	rBV	1309354	1685405	92.71%	12.019%
9	9.322	1209	1212	1218	rVB8	13406	20267	1.11%	0.145%
10	9.922	1309	1314	1319	rBV	677202	856821	47.13%	6.110%
11	10.328	1381	1383	1389	rVB5	12101	20239	1.11%	0.144%
12	10.633	1431	1435	1443	rVB	199895	253784	13.96%	1.810%
13	10.710	1443	1448	1464	rBV	643194	885607	48.72%	6.315%
14	11.410	1562	1567	1575	rBV	554672	770823	42.40%	5.497%
15	11.933	1652	1656	1664	rBV2	84633	136400	7.50%	0.973%
16	12.627	1771	1774	1779	rVB	43088	50543	2.78%	0.360%
17	12.857	1810	1813	1821	rVB	54484	79459	4.37%	0.567%
18	12.998	1832	1837	1845	rBV	829644	1089437	59.93%	7.769%
19	14.057	2013	2017	2027	rVB	453836	666171	36.65%	4.751%
20	15.545	2265	2270	2286	rVB	484751	860667	47.35%	6.138%
21	18.239	2721	2728	2743	rVB7	104005	366273	20.15%	2.612%

Sum of corrected areas: 14022929

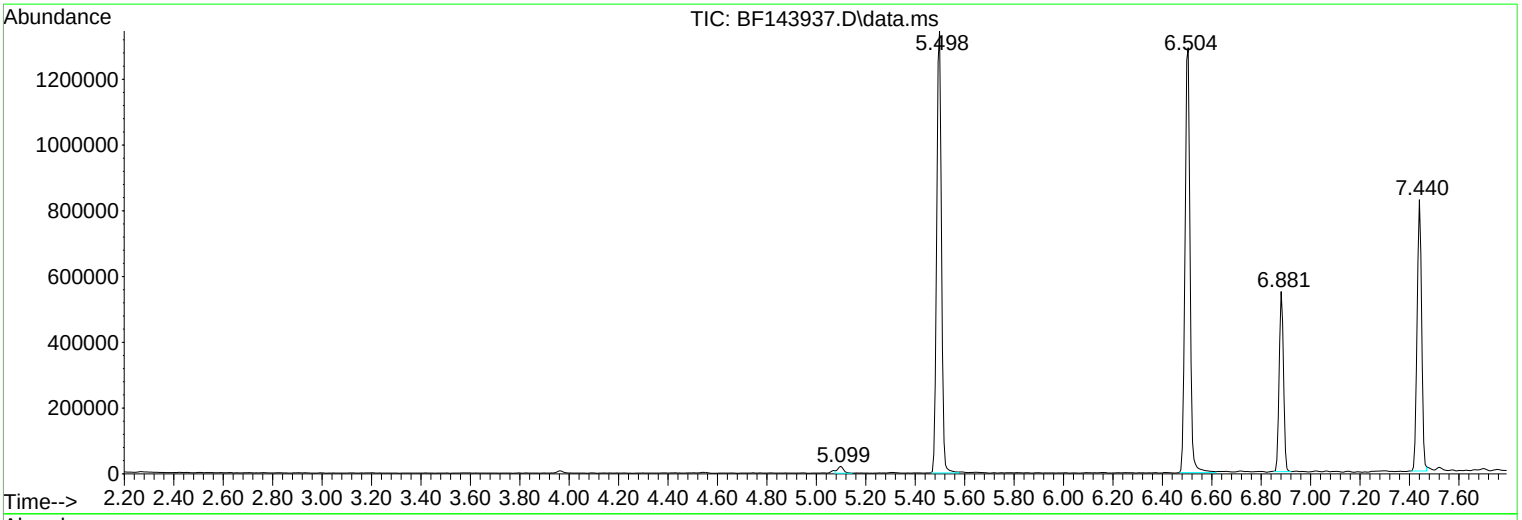
Sample Results: **BF143937.D**

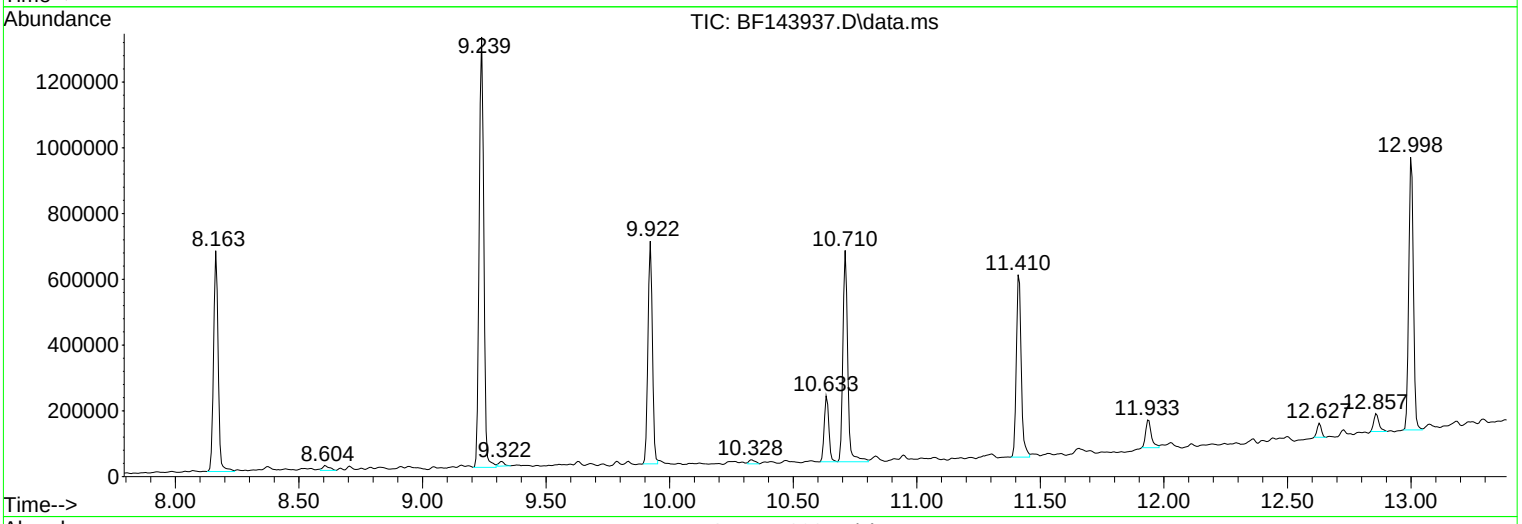
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

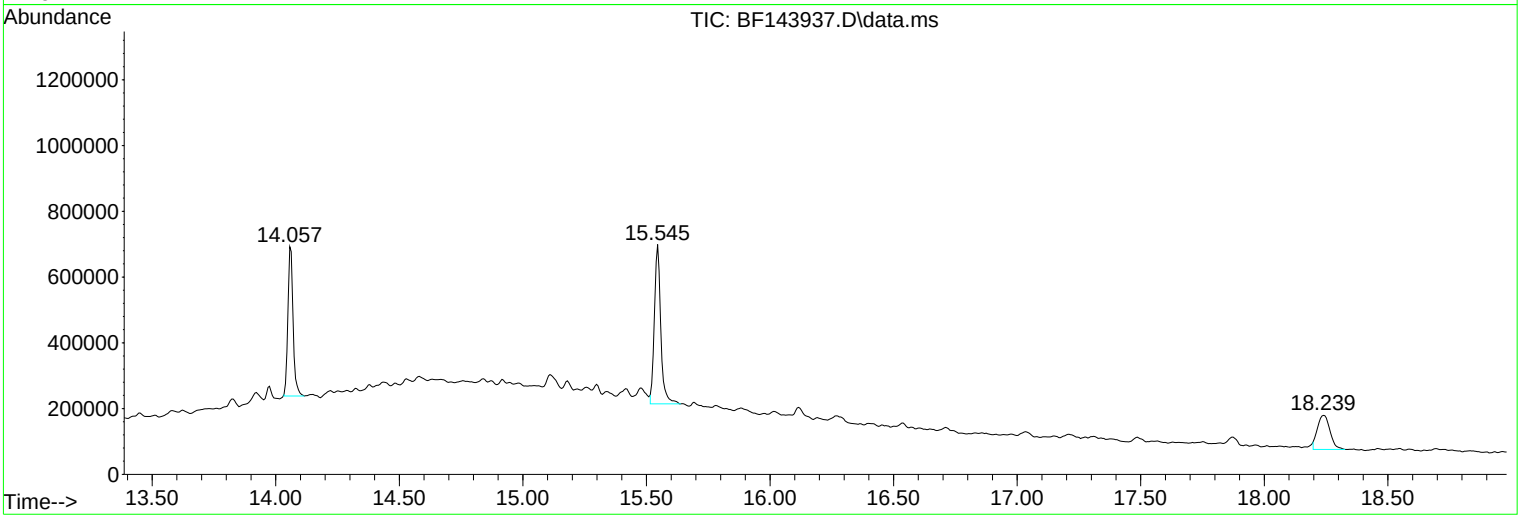
Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF143937.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

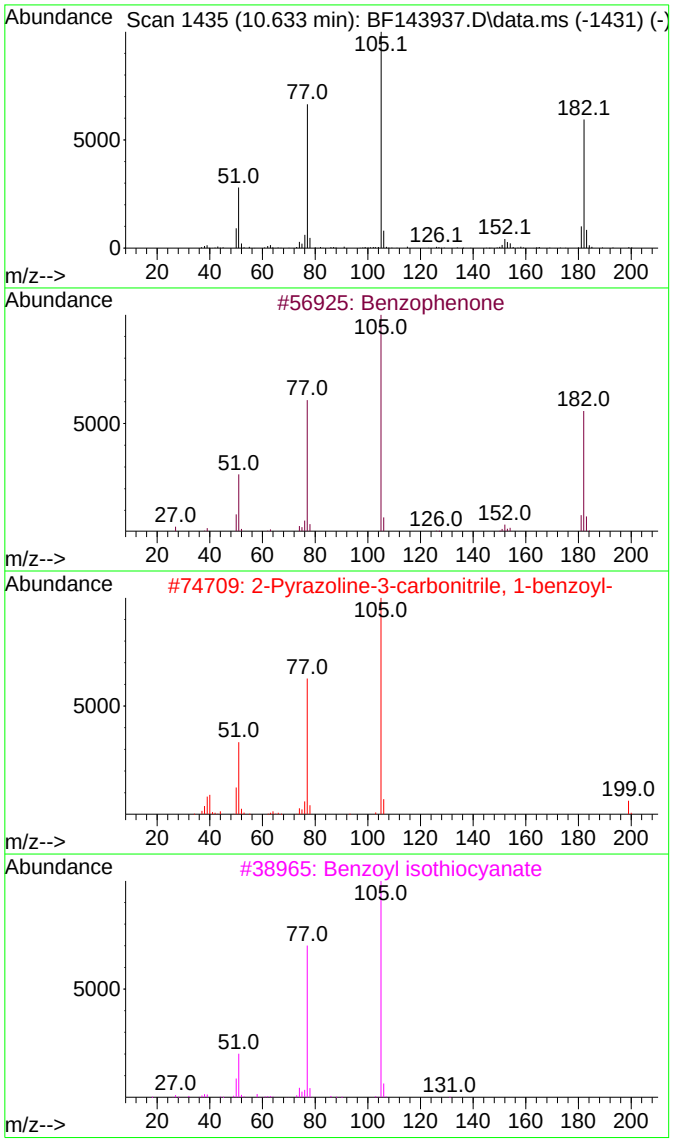
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

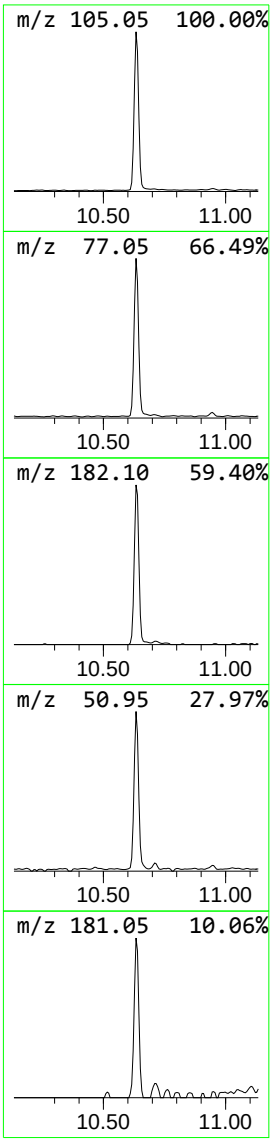
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	5.92 ng	253784	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-Pyrazoline-3-carbonitrile, 1-b...	199	C11H9N3O	067872-68-8	47
3	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47
4	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

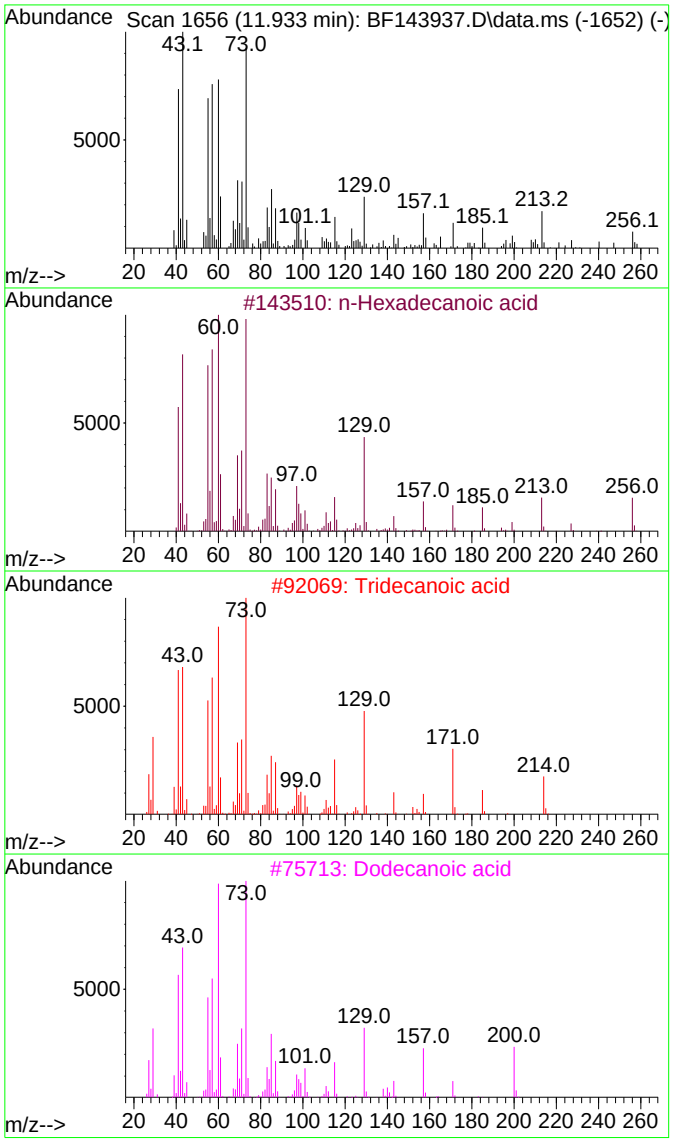
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

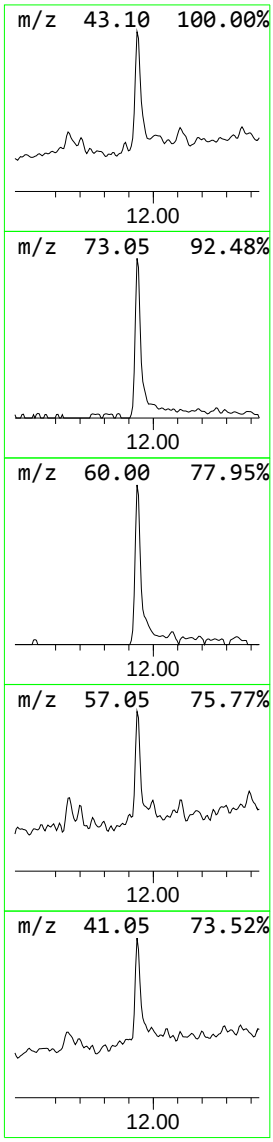
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	3.54 ng	136400	Phenanthrene-d10	11.410

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	89
3	Dodecanoic acid	200	C12H24O2	000143-07-7	76
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

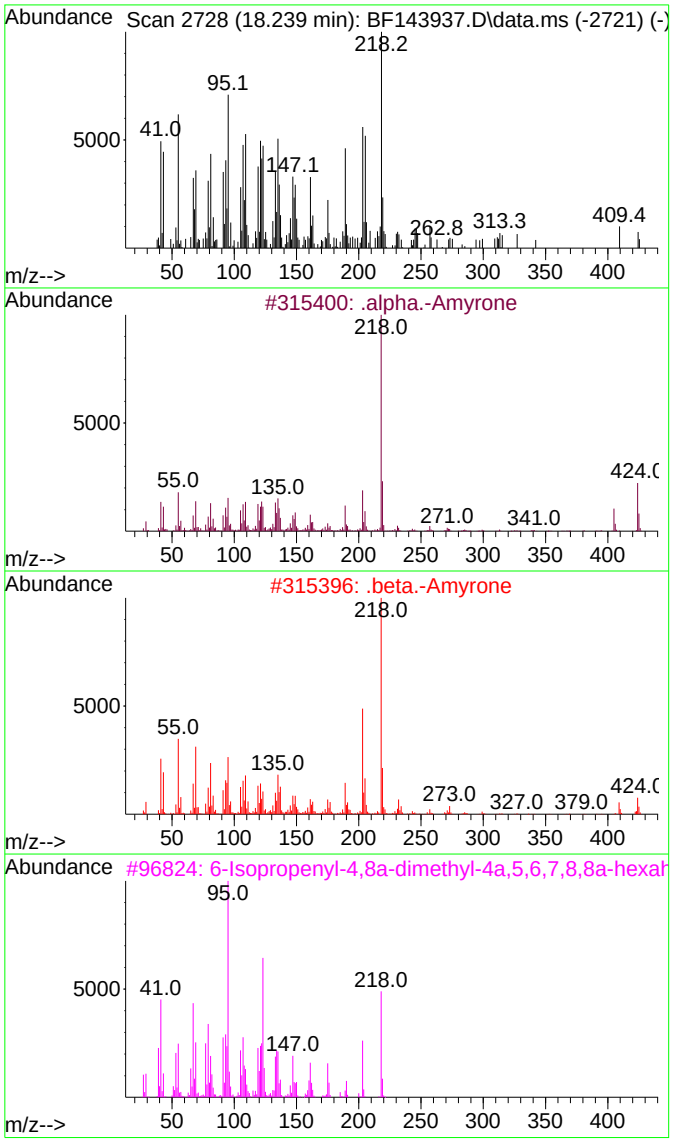
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

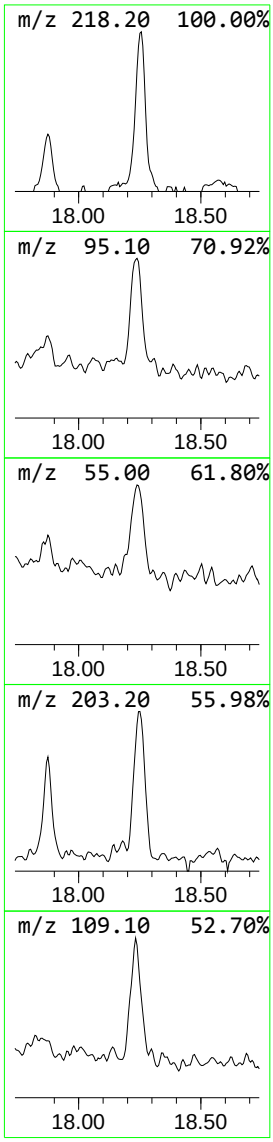
****

Peak Number 4 .alpha.-Amyrone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	8.51 ng	366273	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Amyrone	424	C30H48O	000638-96-0	97
2	.beta.-Amyrone	424	C30H48O	000638-97-1	86
3	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	60
4	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	38
5	(4aR,11aS)-4a-Methyl-3,4,4a,5,6,...	218	C14H18O2	1000482-61-3	38





Sample Results: **BF143937.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143937.D
Acq On : 13 Oct 2025 17:32
Operator : RC/JU
Sample : Q3323-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-01-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.633	5.9	ng	253784	3	9.922	856821	20.0
n-Hexadecanoic ...	11.933	3.5	ng	136400	4	11.410	770823	20.0
.alpha.-Amyrone	18.239	8.5	ng	366273	6	15.545	860667	20.0

Raw Data: **BF143938.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-02-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	57.3
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	270	U	1	270	570	ug/Kg	10/13/25 18:00	PB170067
108-95-2	Phenol	38.5	U	1	38.5	300	ug/Kg	10/13/25 18:00	PB170067
111-44-4	bis(2-Chloroethyl)ether	42.3	U	1	42.3	300	ug/Kg	10/13/25 18:00	PB170067
95-57-8	2-Chlorophenol	42.5	U	1	42.5	300	ug/Kg	10/13/25 18:00	PB170067
95-48-7	2-Methylphenol	52.0	U	1	52.0	300	ug/Kg	10/13/25 18:00	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	65.2	U	1	65.2	300	ug/Kg	10/13/25 18:00	PB170067
98-86-2	Acetophenone	51.3	U	1	51.3	300	ug/Kg	10/13/25 18:00	PB170067
65794-96-9	3+4-Methylphenols	71.5	U	1	71.5	570	ug/Kg	10/13/25 18:00	PB170067
621-64-7	n-Nitroso-di-n-propylamine	82.5	U	1	82.5	140	ug/Kg	10/13/25 18:00	PB170067
67-72-1	Hexachloroethane	30.6	U	1	30.6	300	ug/Kg	10/13/25 18:00	PB170067
98-95-3	Nitrobenzene	31.8	U	1	31.8	300	ug/Kg	10/13/25 18:00	PB170067
78-59-1	Isophorone	57.1	U	1	57.1	300	ug/Kg	10/13/25 18:00	PB170067
88-75-5	2-Nitrophenol	100	U	1	100	300	ug/Kg	10/13/25 18:00	PB170067
105-67-9	2,4-Dimethylphenol	110	U	1	110	300	ug/Kg	10/13/25 18:00	PB170067
111-91-1	bis(2-Chloroethoxy)methane	53.6	U	1	53.6	300	ug/Kg	10/13/25 18:00	PB170067
120-83-2	2,4-Dichlorophenol	49.2	U	1	49.2	300	ug/Kg	10/13/25 18:00	PB170067
91-20-3	Naphthalene	39.5	U	1	39.5	300	ug/Kg	10/13/25 18:00	PB170067
106-47-8	4-Chloroaniline	61.6	U	1	61.6	300	ug/Kg	10/13/25 18:00	PB170067
87-68-3	Hexachlorobutadiene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
105-60-2	Caprolactam	90.7	U	1	90.7	570	ug/Kg	10/13/25 18:00	PB170067
59-50-7	4-Chloro-3-methylphenol	49.9	U	1	49.9	300	ug/Kg	10/13/25 18:00	PB170067
91-57-6	2-Methylnaphthalene	44.5	U	1	44.5	300	ug/Kg	10/13/25 18:00	PB170067
77-47-4	Hexachlorocyclopentadiene	200	U	1	200	570	ug/Kg	10/13/25 18:00	PB170067
88-06-2	2,4,6-Trichlorophenol	34.5	U	1	34.5	300	ug/Kg	10/13/25 18:00	PB170067
95-95-4	2,4,5-Trichlorophenol	50.6	U	1	50.6	300	ug/Kg	10/13/25 18:00	PB170067
92-52-4	1,1-Biphenyl	37.9	U	1	37.9	300	ug/Kg	10/13/25 18:00	PB170067
91-58-7	2-Chloronaphthalene	39.1	U	1	39.1	300	ug/Kg	10/13/25 18:00	PB170067
88-74-4	2-Nitroaniline	83.7	U	1	83.7	300	ug/Kg	10/13/25 18:00	PB170067
131-11-3	Dimethylphthalate	47.2	U	1	47.2	300	ug/Kg	10/13/25 18:00	PB170067
208-96-8	Acenaphthylene	50.3	U	1	50.3	300	ug/Kg	10/13/25 18:00	PB170067
606-20-2	2,6-Dinitrotoluene	58.5	U	1	58.5	300	ug/Kg	10/13/25 18:00	PB170067
99-09-2	3-Nitroaniline	80.0	U	1	80.0	300	ug/Kg	10/13/25 18:00	PB170067
83-32-9	Acenaphthene	37.1	U	1	37.1	300	ug/Kg	10/13/25 18:00	PB170067
51-28-5	2,4-Dinitrophenol	400	U	1	400	570	ug/Kg	10/13/25 18:00	PB170067
100-02-7	4-Nitrophenol	190	U	1	190	570	ug/Kg	10/13/25 18:00	PB170067
132-64-9	Dibenzofuran	39.5	U	1	39.5	300	ug/Kg	10/13/25 18:00	PB170067
121-14-2	2,4-Dinitrotoluene	87.2	U	1	87.2	300	ug/Kg	10/13/25 18:00	PB170067
84-66-2	Diethylphthalate	49.2	U	1	49.2	300	ug/Kg	10/13/25 18:00	PB170067
7005-72-3	4-Chlorophenyl-phenylether	46.5	U	1	46.5	300	ug/Kg	10/13/25 18:00	PB170067
86-73-7	Fluorene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
100-01-6	4-Nitroaniline	110	U	1	110	300	ug/Kg	10/13/25 18:00	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	180	U	1	180	570	ug/Kg	10/13/25 18:00	PB170067

Raw Data: **BF143938.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-02-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	57.3
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	57.2	U	1	57.2	300	ug/Kg	10/13/25 18:00	PB170067
101-55-3	4-Bromophenyl-phenylether	48.4	U	1	48.4	300	ug/Kg	10/13/25 18:00	PB170067
118-74-1	Hexachlorobenzene	44.0	U	1	44.0	300	ug/Kg	10/13/25 18:00	PB170067
1912-24-9	Atrazine	59.2	U	1	59.2	300	ug/Kg	10/13/25 18:00	PB170067
87-86-5	Pentachlorophenol	89.3	U	1	89.3	570	ug/Kg	10/13/25 18:00	PB170067
85-01-8	Phenanthrene	290	J	1	36.4	300	ug/Kg	10/13/25 18:00	PB170067
120-12-7	Anthracene	57.9	U	1	57.9	300	ug/Kg	10/13/25 18:00	PB170067
86-74-8	Carbazole	54.3	U	1	54.3	300	ug/Kg	10/13/25 18:00	PB170067
84-74-2	Di-n-butylphthalate	83.3	U	1	83.3	300	ug/Kg	10/13/25 18:00	PB170067
206-44-0	Fluoranthene	610		1	52.2	300	ug/Kg	10/13/25 18:00	PB170067
129-00-0	Pyrene	370		1	62.6	300	ug/Kg	10/13/25 18:00	PB170067
85-68-7	Butylbenzylphthalate	120	U	1	120	300	ug/Kg	10/13/25 18:00	PB170067
91-94-1	3,3-Dichlorobenzidine	63.9	U	1	63.9	570	ug/Kg	10/13/25 18:00	PB170067
56-55-3	Benzo(a)anthracene	260	J	1	40.0	300	ug/Kg	10/13/25 18:00	PB170067
218-01-9	Chrysene	280	J	1	34.6	300	ug/Kg	10/13/25 18:00	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	1	100	300	ug/Kg	10/13/25 18:00	PB170067
117-84-0	Di-n-octyl phthalate	150	U	1	150	570	ug/Kg	10/13/25 18:00	PB170067
205-99-2	Benzo(b)fluoranthene	290	J	1	33.1	300	ug/Kg	10/13/25 18:00	PB170067
207-08-9	Benzo(k)fluoranthene	39.0	U	1	39.0	300	ug/Kg	10/13/25 18:00	PB170067
50-32-8	Benzo(a)pyrene	220	J	1	51.3	300	ug/Kg	10/13/25 18:00	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	50.6	U	1	50.6	300	ug/Kg	10/13/25 18:00	PB170067
53-70-3	Dibenzo(a,h)anthracene	47.7	U	1	47.7	300	ug/Kg	10/13/25 18:00	PB170067
191-24-2	Benzo(g,h,i)perylene	44.7	U	1	44.7	300	ug/Kg	10/13/25 18:00	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5	U	1	44.5	300	ug/Kg	10/13/25 18:00	PB170067
123-91-1	1,4-Dioxane	78.6	U	1	78.6	300	ug/Kg	10/13/25 18:00	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	1	47.7	300	ug/Kg	10/13/25 18:00	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	91.0			18 - 112	61%	SPK: 150		
13127-88-3	Phenol-d6	90.0			15 - 107	60%	SPK: 150		
4165-60-0	Nitrobenzene-d5	60.0			18 - 107	60%	SPK: 100		
321-60-8	2-Fluorobiphenyl	55.5			20 - 109	56%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	71.2			10 - 116	47%	SPK: 150		
1718-51-0	Terphenyl-d14	37.6			10 - 105	38%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	102000							
1146-65-2	Naphthalene-d8	378000							
15067-26-2	Acenaphthene-d10	185000							
1517-22-2	Phenanthrene-d10	262000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	291000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	430	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	390	J			11.9	ug/Kg		

Raw Data: **BF143938.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-02-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	57.3
Sample Wt/Vol:	30.09 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	150	J			15.4	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\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Time: Oct 13 18:22:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

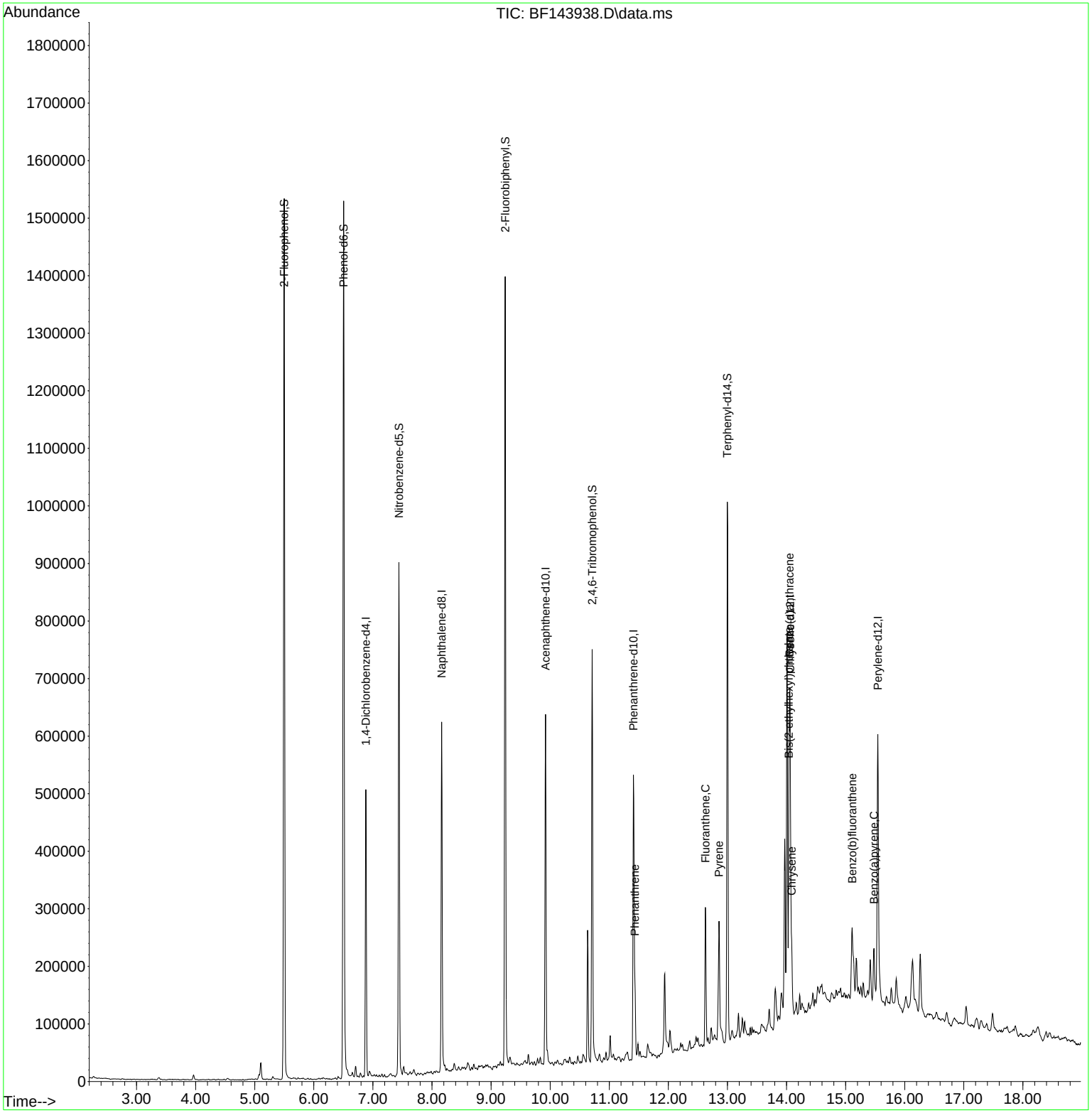
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	101798	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	377694	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185168	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	262286	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	224418	20.000	ng	0.00
86) Perylene-d12	15.545	264	290653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	583413	91.009	ng	0.00
7) Phenol-d6	6.504	99	687677	89.998	ng	-0.01
23) Nitrobenzene-d5	7.440	82	373027	60.004	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	131356	71.222	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	648068	55.534	ng	-0.01
79) Terphenyl-d14	12.998	244	493407	37.576	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	63073	4.960	ng	98
75) Fluoranthene	12.627	202	138552	10.549	ng	98
78) Pyrene	12.857	202	120171	6.423	ng	97
81) Benzo(a)anthracene	14.051	228	65381m	4.452	ng	
83) Chrysene	14.086	228	65137	4.792	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	15404	2.103	ng	# 81
88) Benzo(b)fluoranthene	15.110	252	84127m	5.039	ng	
90) Benzo(a)pyrene	15.480	252	55312	3.821	ng	# 94

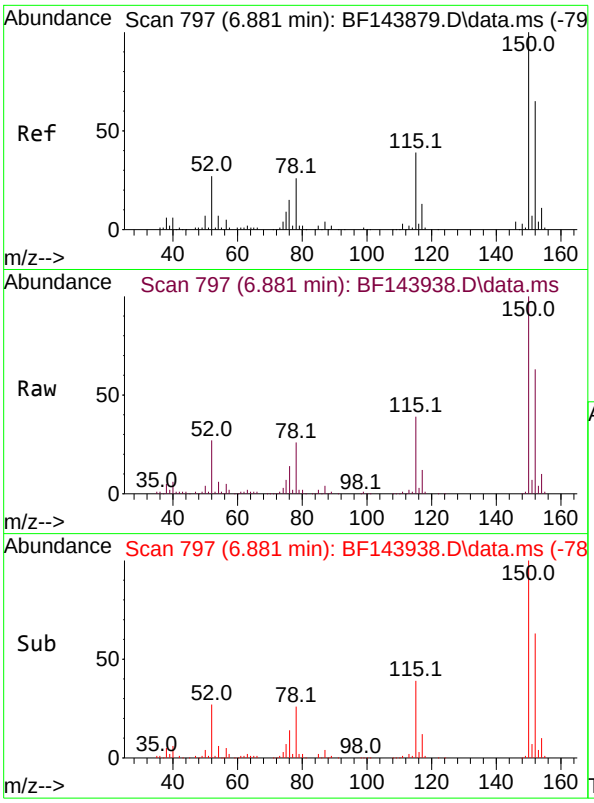
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Time: Oct 13 18:22:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



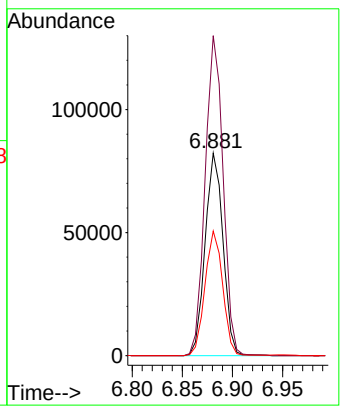


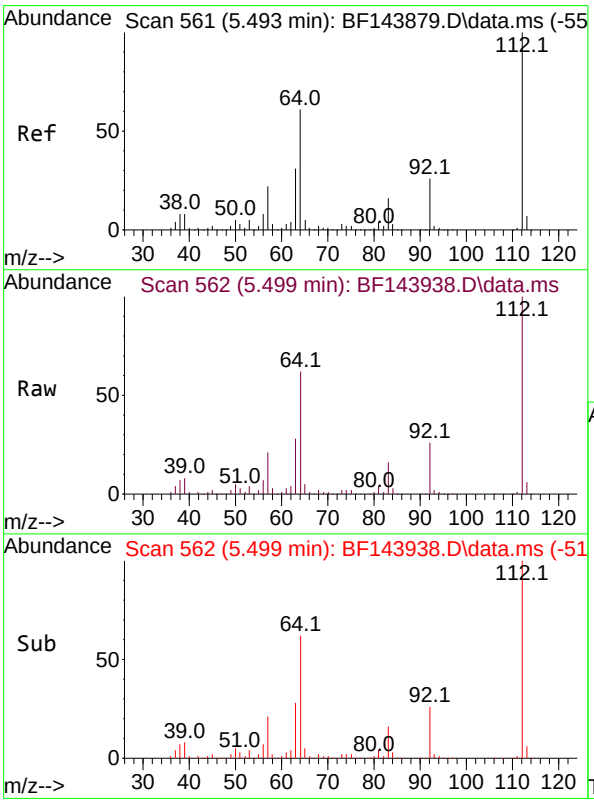
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:152 Resp: 101798

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.4	186.6
115	61.5	48.1	72.1

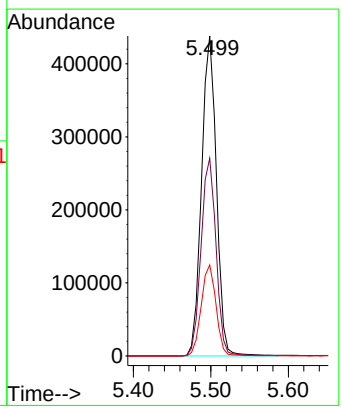


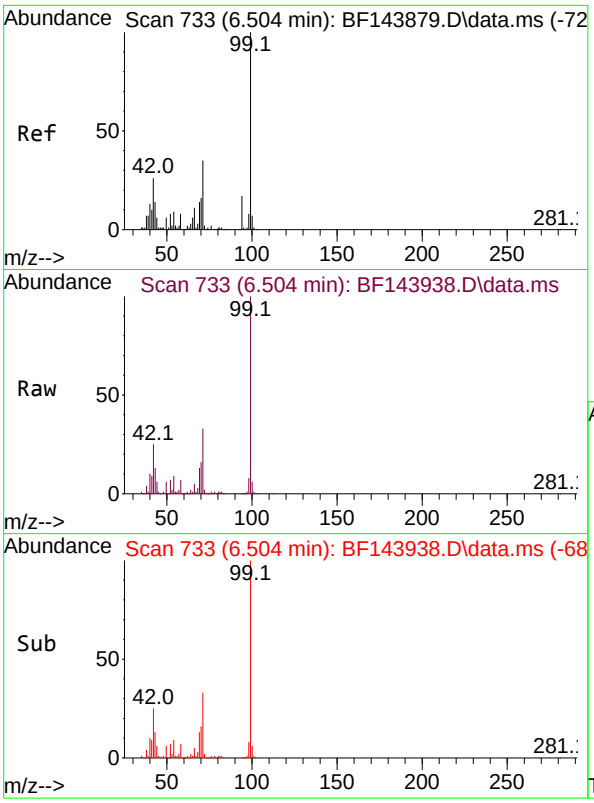


#5
2-Fluorophenol
Concen: 91.009 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:112 Resp: 583413

Ion	Ratio	Lower	Upper
112	100		
64	61.8	49.1	73.7
63	28.4	24.5	36.7



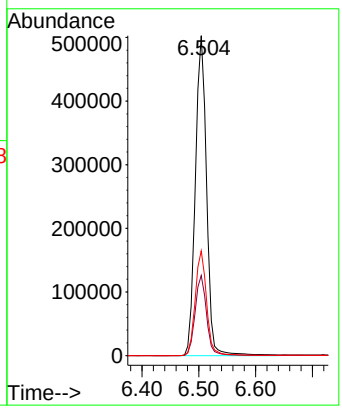


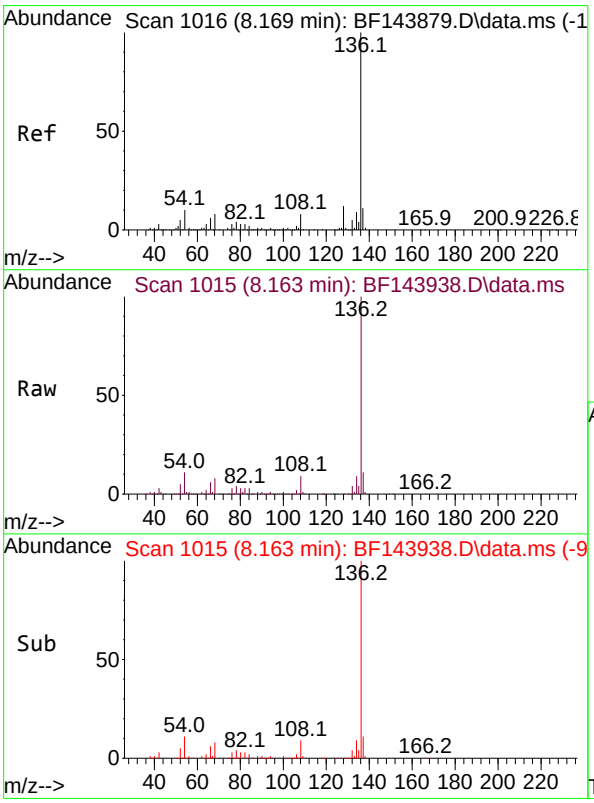
#7
Phenol-d6
Concen: 89.998 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion: 99 Resp: 687677

Ion	Ratio	Lower	Upper
99	100		
42	25.0	21.0	31.4
71	32.7	27.8	41.8

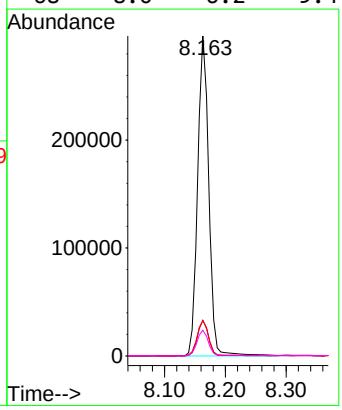


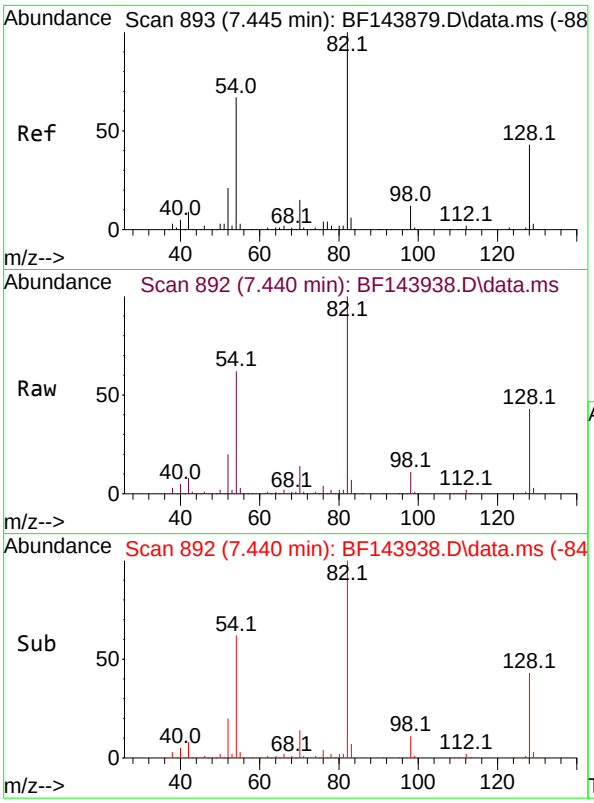


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:136 Resp: 377694

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.0	6.2	9.4



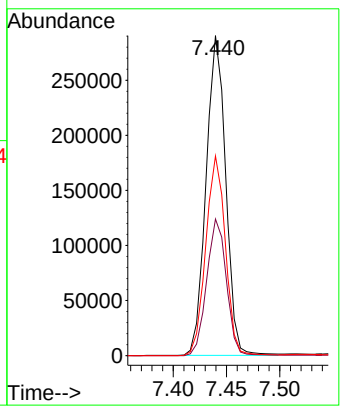


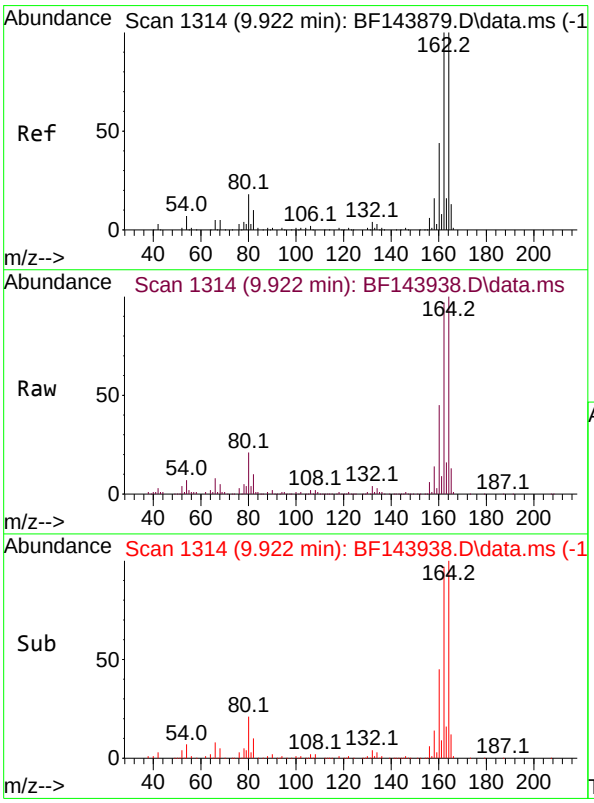
#23
Nitrobenzene-d5
Concen: 60.004 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion: 82 Resp: 373027

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.0	51.0
54	62.4	53.2	79.8

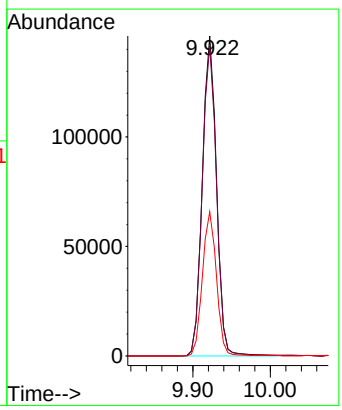


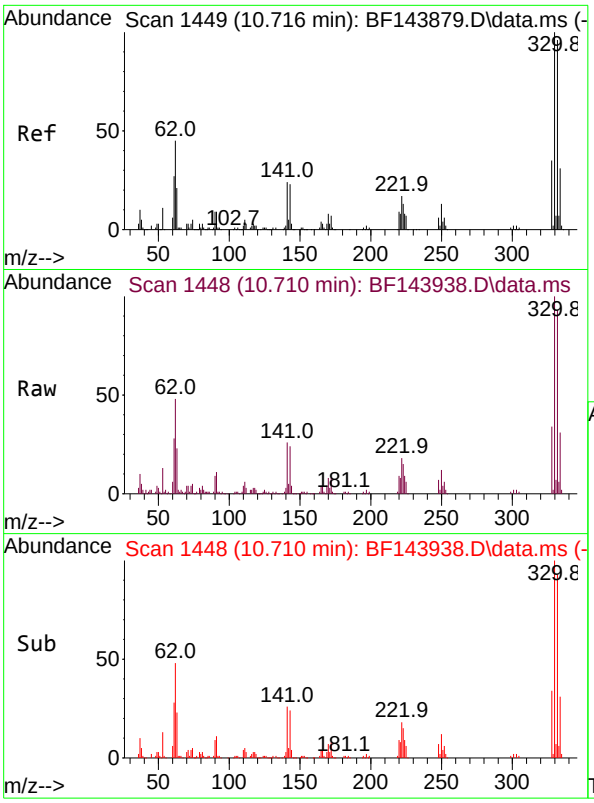


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:164 Resp: 185168

Ion	Ratio	Lower	Upper
164	100		
162	97.0	80.2	120.2
160	45.0	35.4	53.0



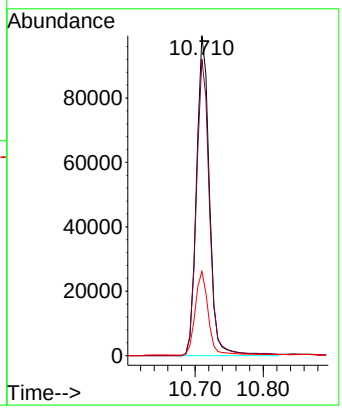


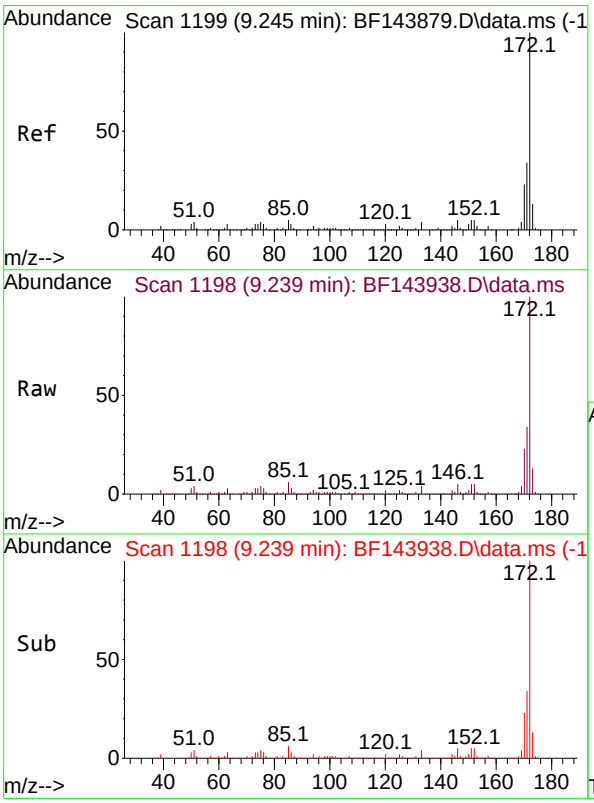
#42
2,4,6-Tribromophenol
Concen: 71.222 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:330 Resp: 131356

Ion	Ratio	Lower	Upper
330	100		
332	92.7	76.9	115.3
141	26.4	20.2	30.4

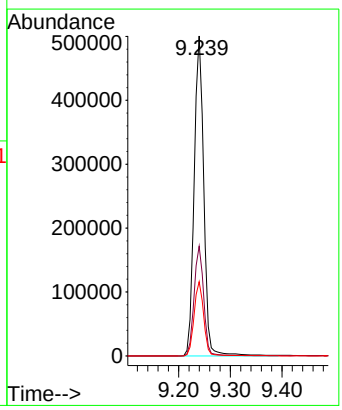


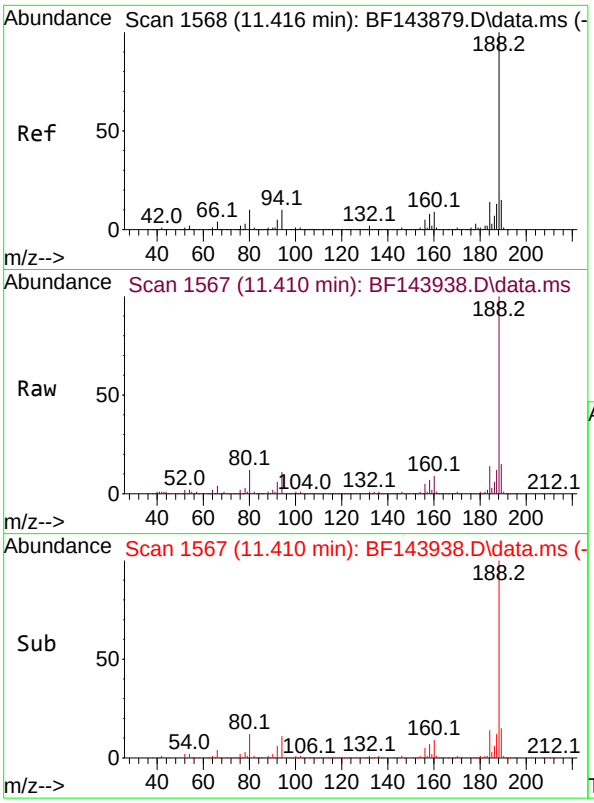


#45
2-Fluorobiphenyl
Concen: 55.534 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:172 Resp: 648068

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.2	18.6	28.0



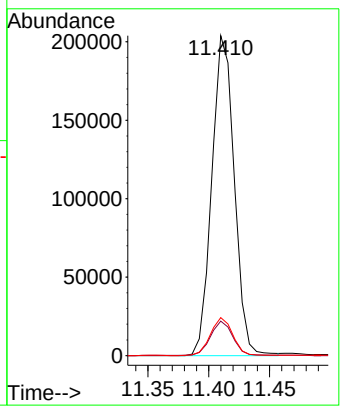


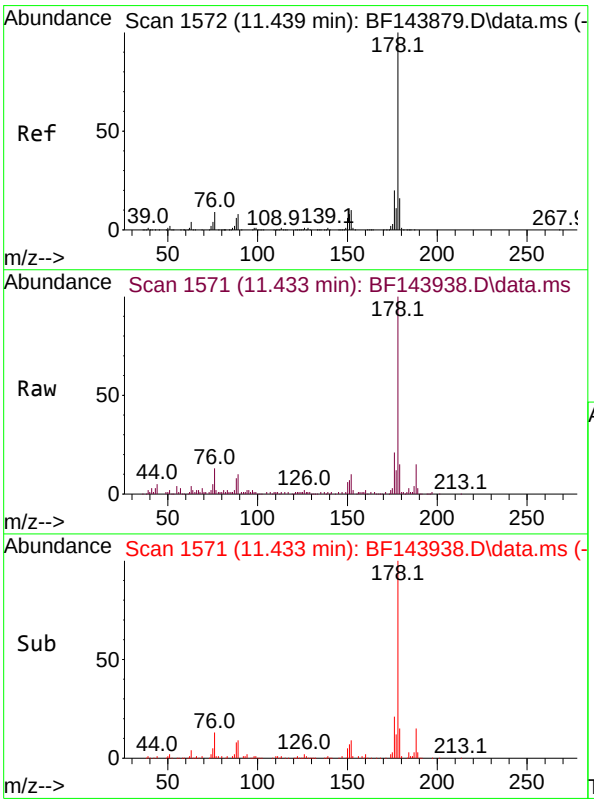
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:188 Resp: 262286

Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.8	11.6
80	11.9	7.9	11.9#

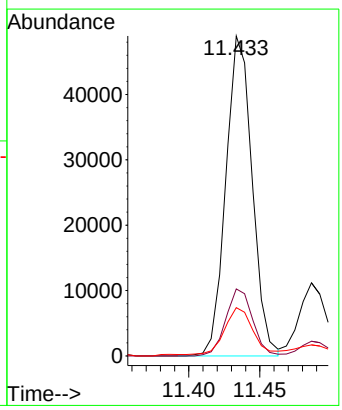


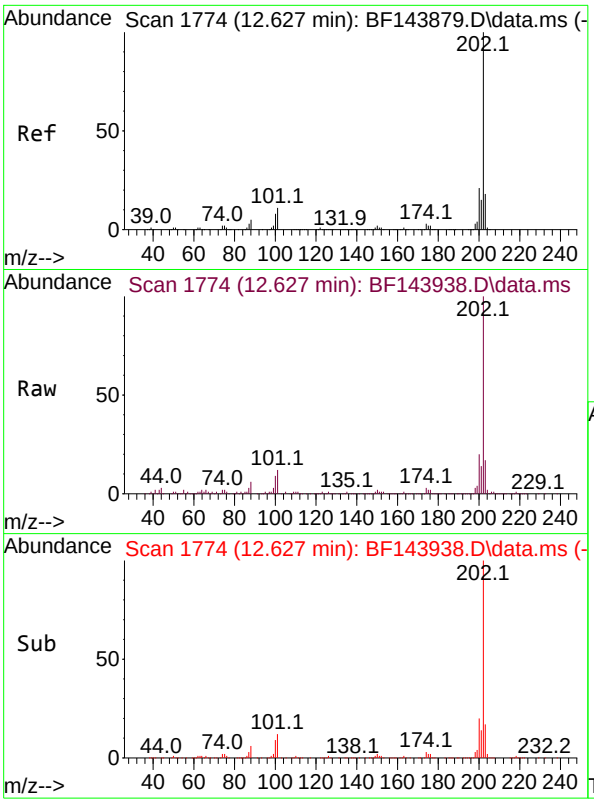


#71
Phenanthrene
Concen: 4.960 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:178 Resp: 63073

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.9	23.9
179	15.1	12.4	18.6



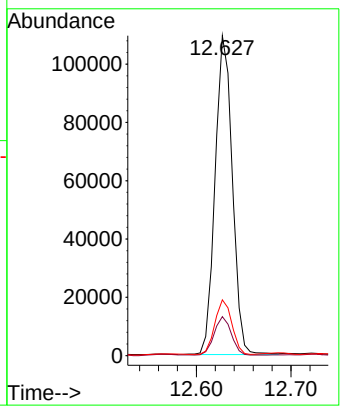


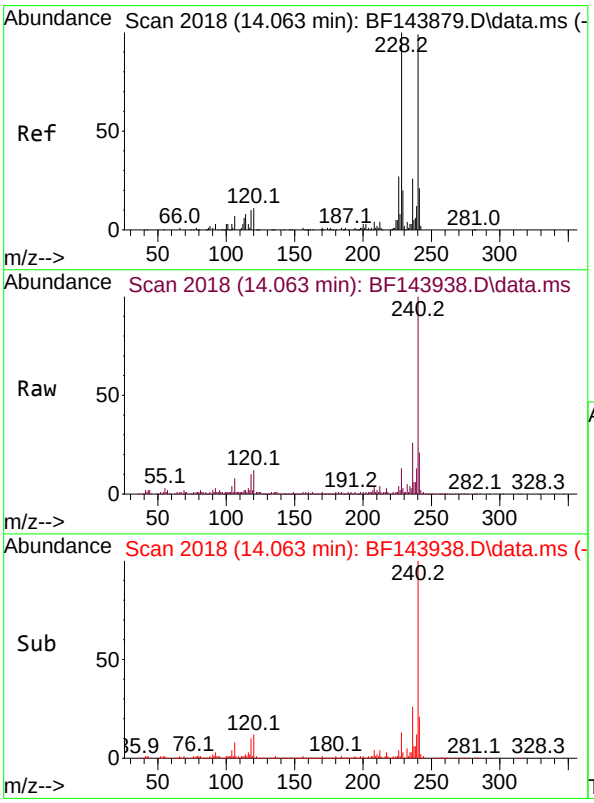
#75
Fluoranthene
Concen: 10.549 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:202 Resp: 138552

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	30.7
203	17.4	0.0	37.8

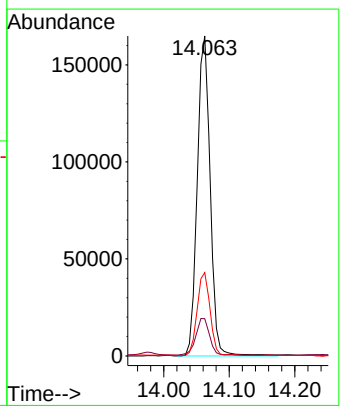


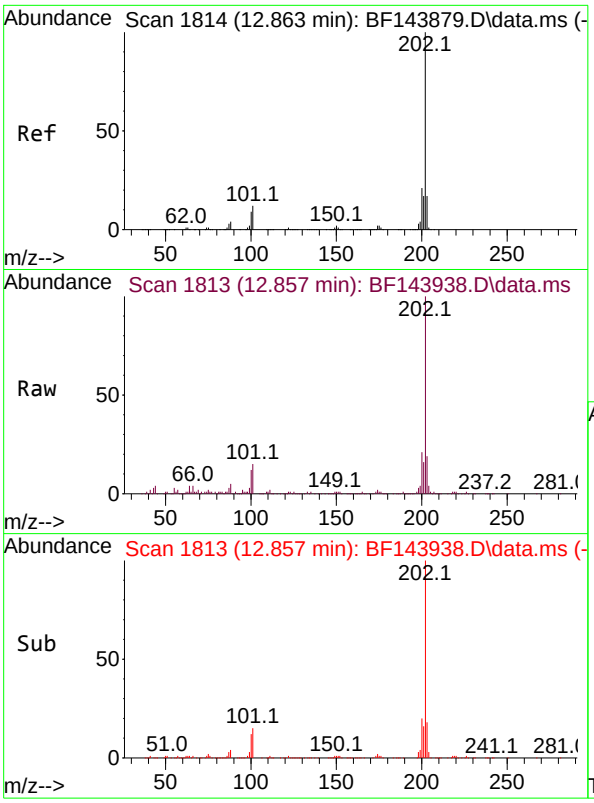


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:240 Resp: 224418

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.6	13.0
236	26.1	21.1	31.7



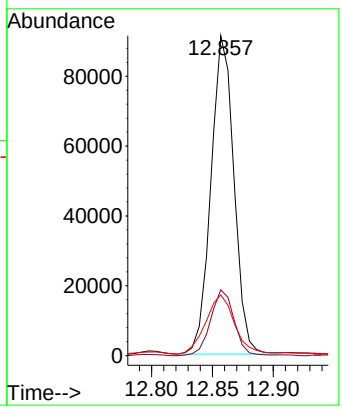


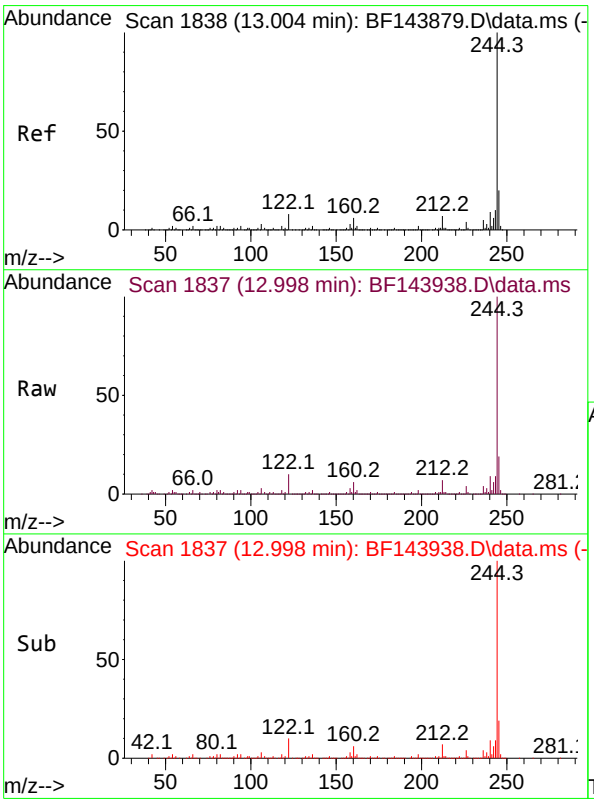
#78
Pyrene
Concen: 6.423 ng
RT: 12.857 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:202 Resp: 120171

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	19.0	13.8	20.6

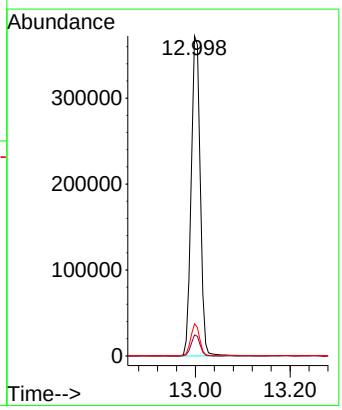


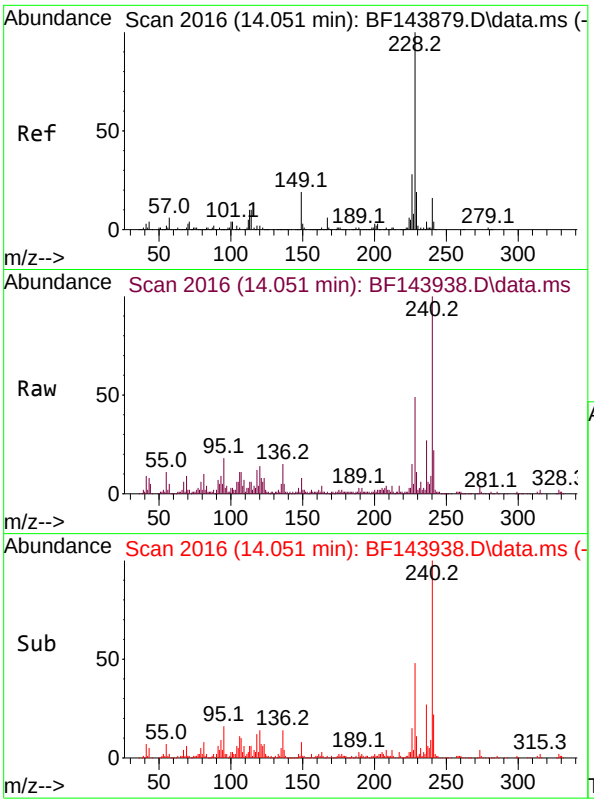


#79
Terphenyl-d14
Concen: 37.576 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:244 Resp: 493407

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.0	6.4	9.6#



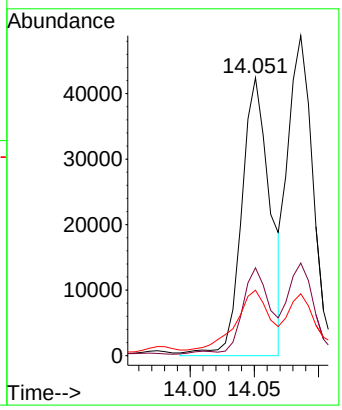


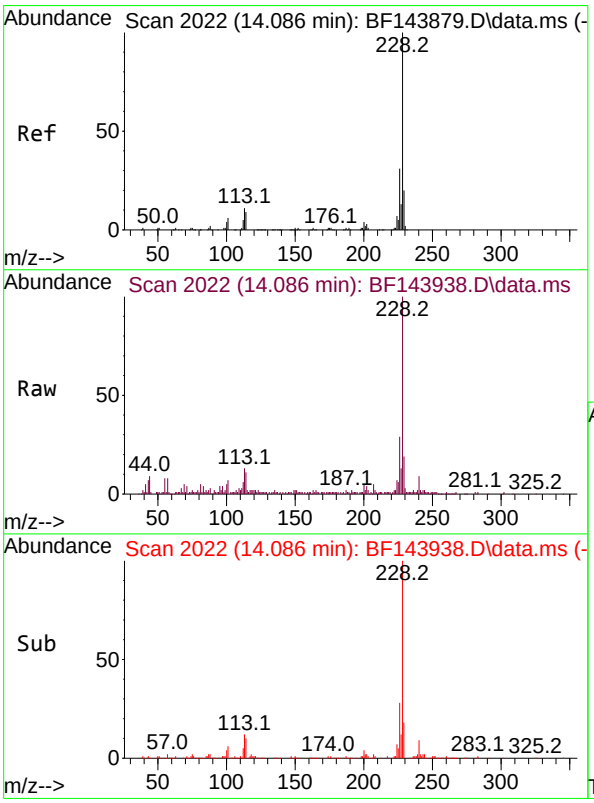
#81
Benzo(a)anthracene
Concen: 4.452 ng m
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:228 Resp: 65381

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.2	33.2
229	23.5	15.6	23.4#

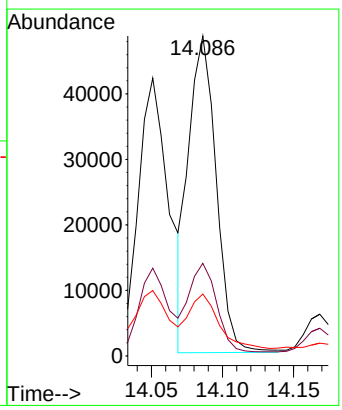


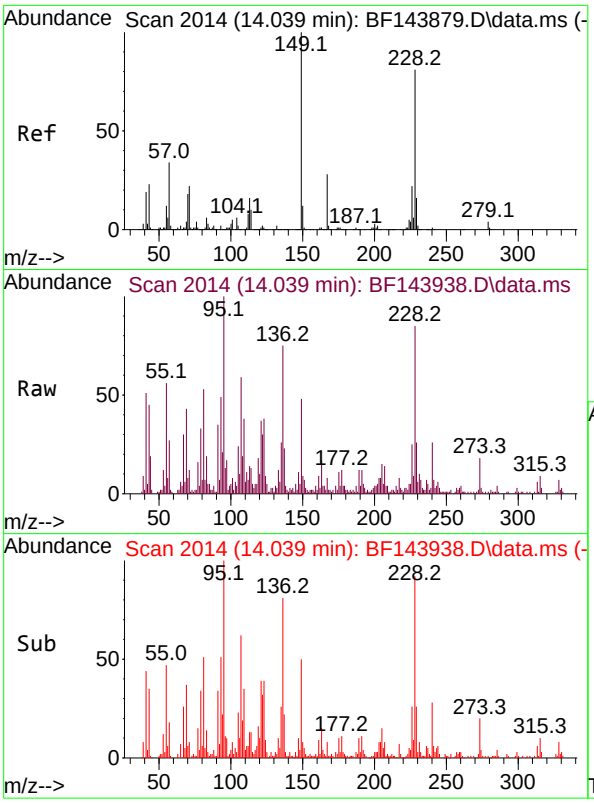


#83
Chrysene
Concen: 4.792 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:228 Resp: 65137

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.4	36.6
229	19.3	15.9	23.9



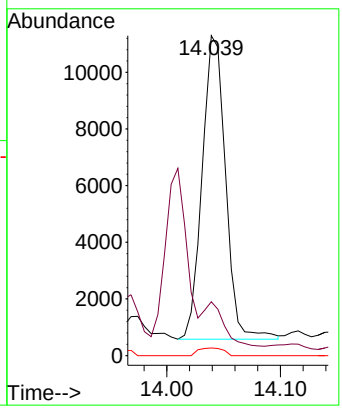


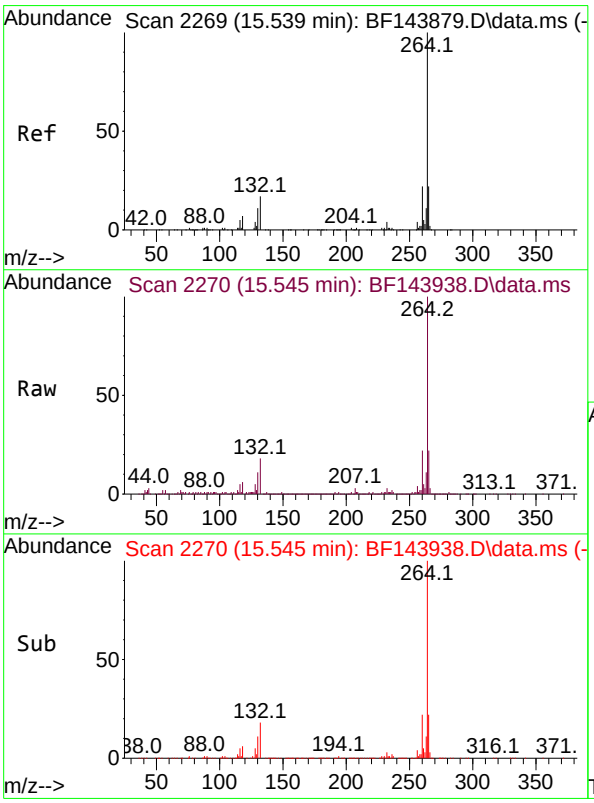
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.103 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:149 Resp: 15404

Ion	Ratio	Lower	Upper
149	100		
167	16.8	22.2	33.4#
279	2.4	3.1	4.7#

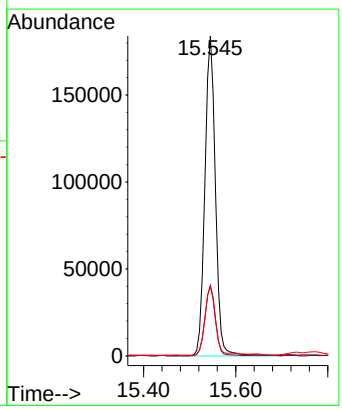


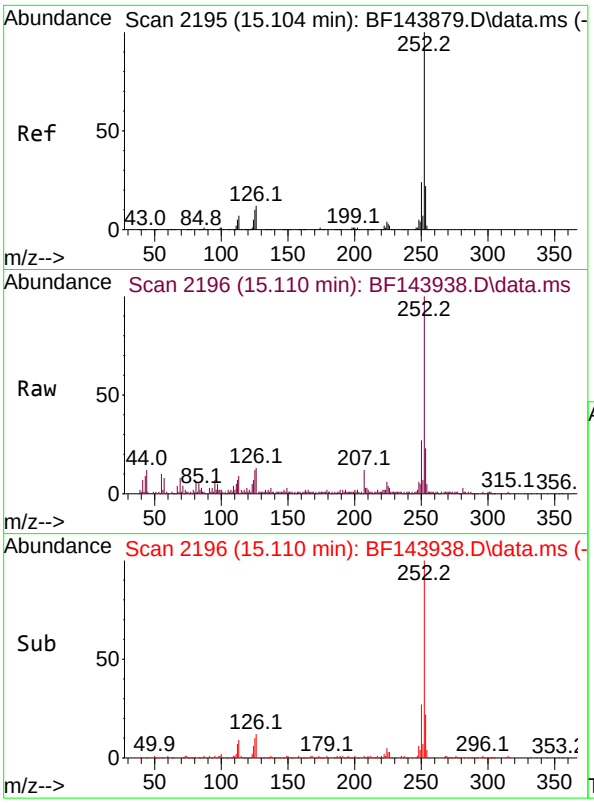


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:264 Resp: 290653

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	21.8	17.5	26.3



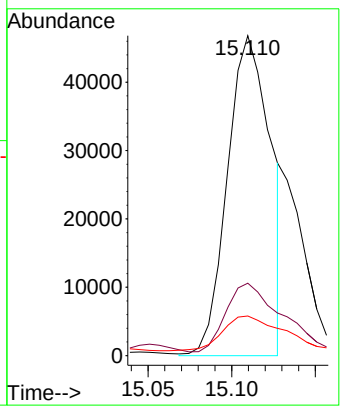


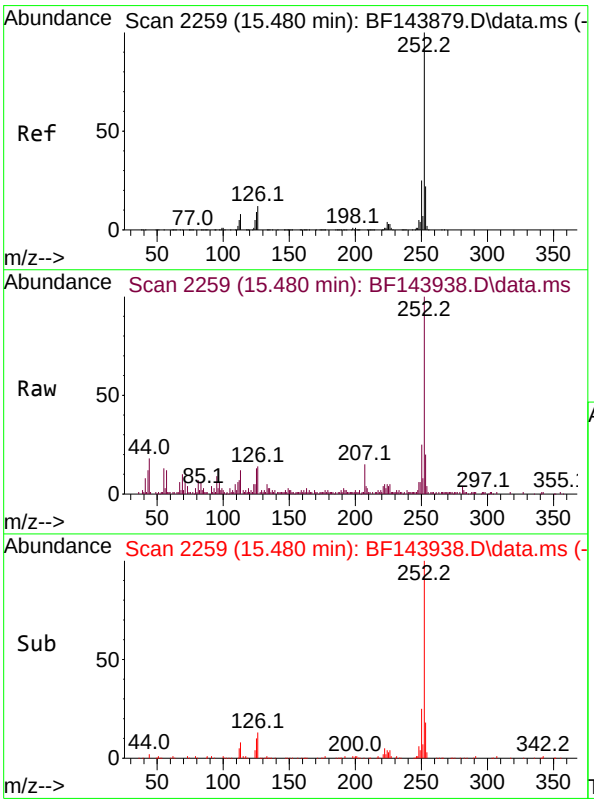
#88
Benzo(b)fluoranthene
Concen: 5.039 ng m
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:252 Resp: 84127

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.4	7.8	11.6#

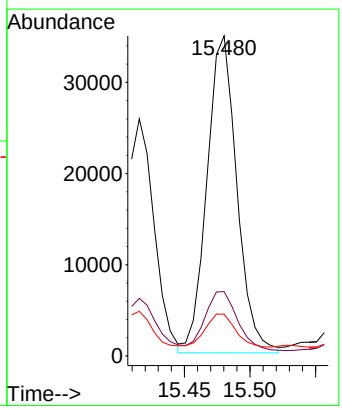




#90
Benzo(a)pyrene
Concen: 3.821 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:252 Resp: 55312

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.3	25.9
125	13.0	7.0	10.4#



Sample Results: **BF143938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.104	491	495	505	rVB	28759	44690	2.08%	0.241%
2	5.499	556	562	582	rBV	1529459	2042643	94.91%	10.994%
3	6.504	725	733	751	rBV	1525435	2152116	100.00%	11.583%
4	6.704	764	767	772	rBV2	17894	23169	1.08%	0.125%
5	6.881	792	797	804	rBV	498952	615044	28.58%	3.310%
6	7.440	881	892	902	rBV	893582	1174142	54.56%	6.319%
7	8.163	1009	1015	1023	rBV	608781	799125	37.13%	4.301%
8	8.604	1087	1090	1097	rVB5	13320	27797	1.29%	0.150%
9	9.239	1192	1198	1207	rBV	1371129	1753414	81.47%	9.437%
10	9.634	1261	1265	1269	rVB3	17197	23674	1.10%	0.127%
11	9.922	1308	1314	1318	rBV	608223	781417	36.31%	4.206%
12	10.557	1419	1422	1430	rVB8	12883	27567	1.28%	0.148%
13	10.633	1430	1435	1443	rVB	229068	289170	13.44%	1.556%
14	10.710	1443	1448	1463	rBV	716959	968189	44.99%	5.211%
15	11.016	1496	1500	1506	rVV	39043	49230	2.29%	0.265%
16	11.410	1562	1567	1576	rBV2	495279	800411	37.19%	4.308%
17	11.486	1577	1580	1583	rVB	20341	24003	1.12%	0.129%
18	11.651	1604	1608	1614	rBV7	22751	50208	2.33%	0.270%
19	11.939	1650	1657	1668	rBV3	137152	269949	12.54%	1.453%
20	12.028	1669	1672	1680	rVB	37962	65864	3.06%	0.354%
21	12.627	1770	1774	1779	rBV	240260	305950	14.22%	1.647%
22	12.727	1787	1791	1795	rBV4	26059	41649	1.94%	0.224%
23	12.857	1807	1813	1828	rVB	211492	386194	17.94%	2.079%
24	12.998	1832	1837	1845	rVB	934995	1246280	57.91%	6.708%
25	13.186	1866	1869	1873	rVB2	42073	52813	2.45%	0.284%
26	13.292	1884	1887	1895	rVB3	22766	37634	1.75%	0.203%
27	13.810	1970	1975	1982	rBV4	69470	164776	7.66%	0.887%
28	13.916	1989	1993	1997	rBV4	39649	78725	3.66%	0.424%
29	13.969	1998	2002	2005	rVV2	306492	426630	19.82%	2.296%
30	14.010	2005	2009	2012	rVV	663531	874942	40.65%	4.709%
31	14.057	2012	2017	2029	rVB2	567753	1316911	61.19%	7.088%
32	15.110	2191	2196	2204	rBV	121500	288349	13.40%	1.552%
33	15.180	2205	2208	2212	rVB	57693	76174	3.54%	0.410%
34	15.416	2245	2248	2254	rVB	69731	107156	4.98%	0.577%
35	15.480	2255	2259	2264	rVV	90854	155940	7.25%	0.839%
36	15.545	2265	2270	2285	rVB	465773	810841	37.68%	4.364%

Sample Results: **BF143938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.263	2388	2392	2409	rVB2	109906	227081	10.55%	1.222%

Sum of corrected areas: 18579867

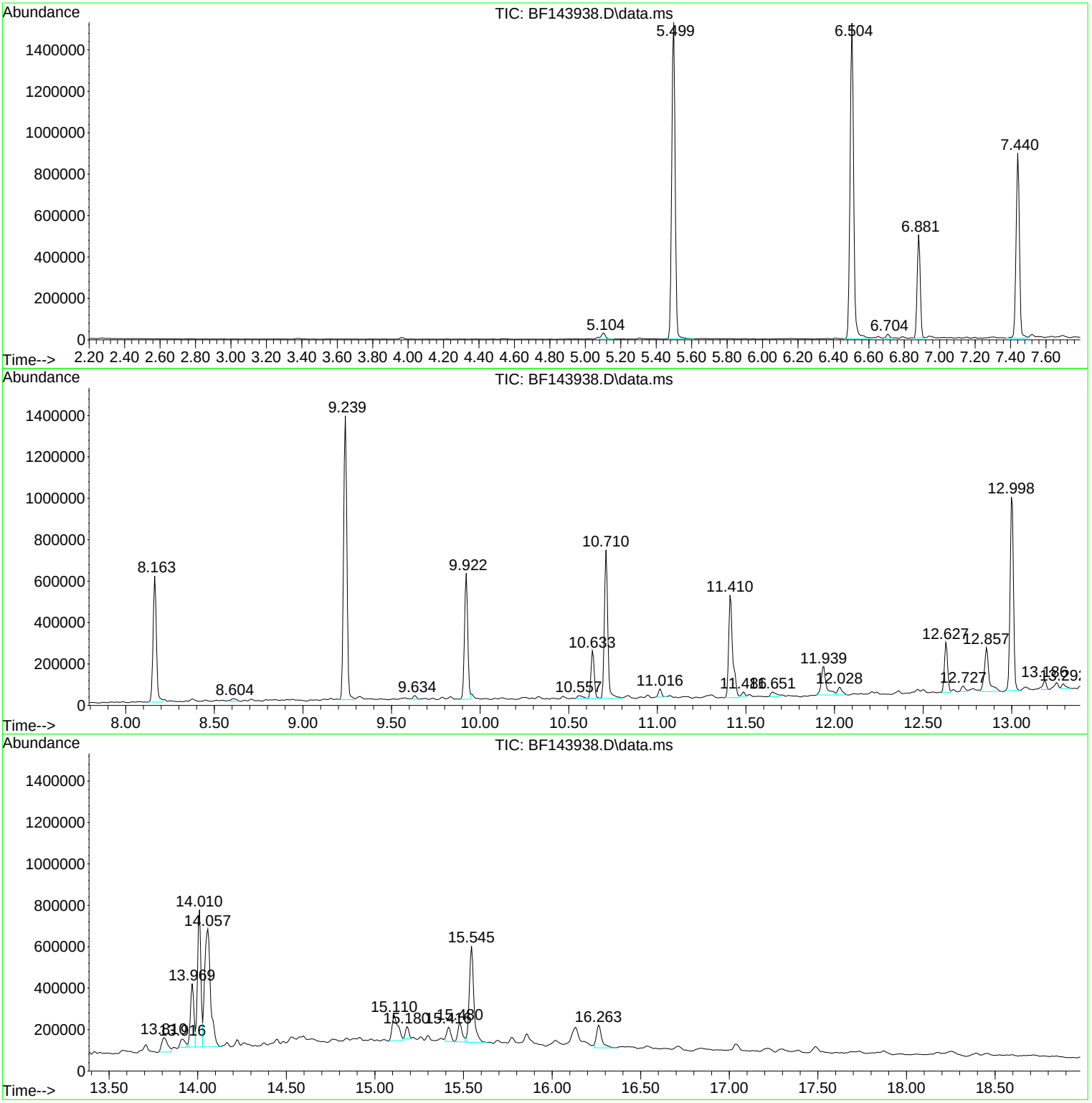
Sample Results: **BF143938.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

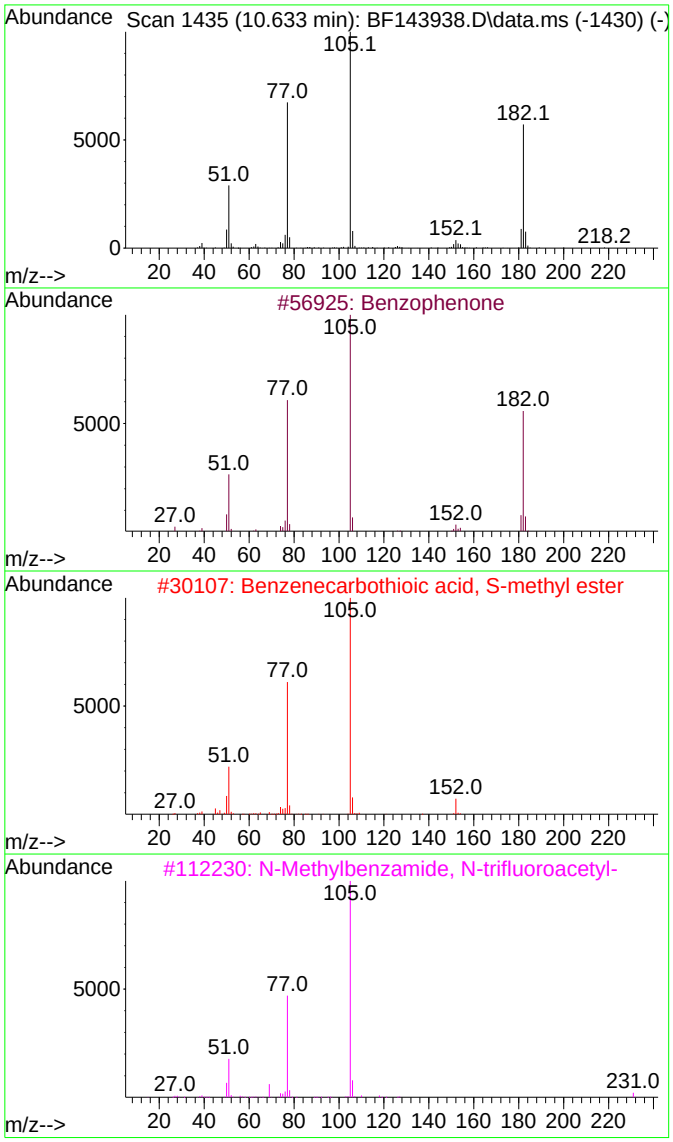
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

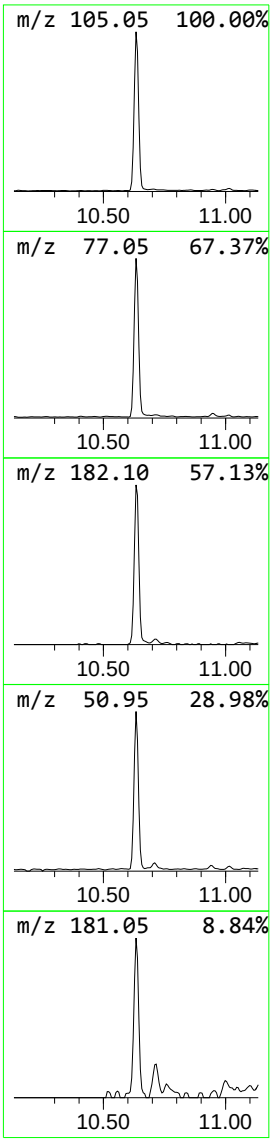
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	7.40 ng	289170	Acenaphthene-d10	9.922

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	49
3	N-Methylbenzamide, N-trifluoroac...	231	C10H8F3NO2	1000446-91-5	47
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

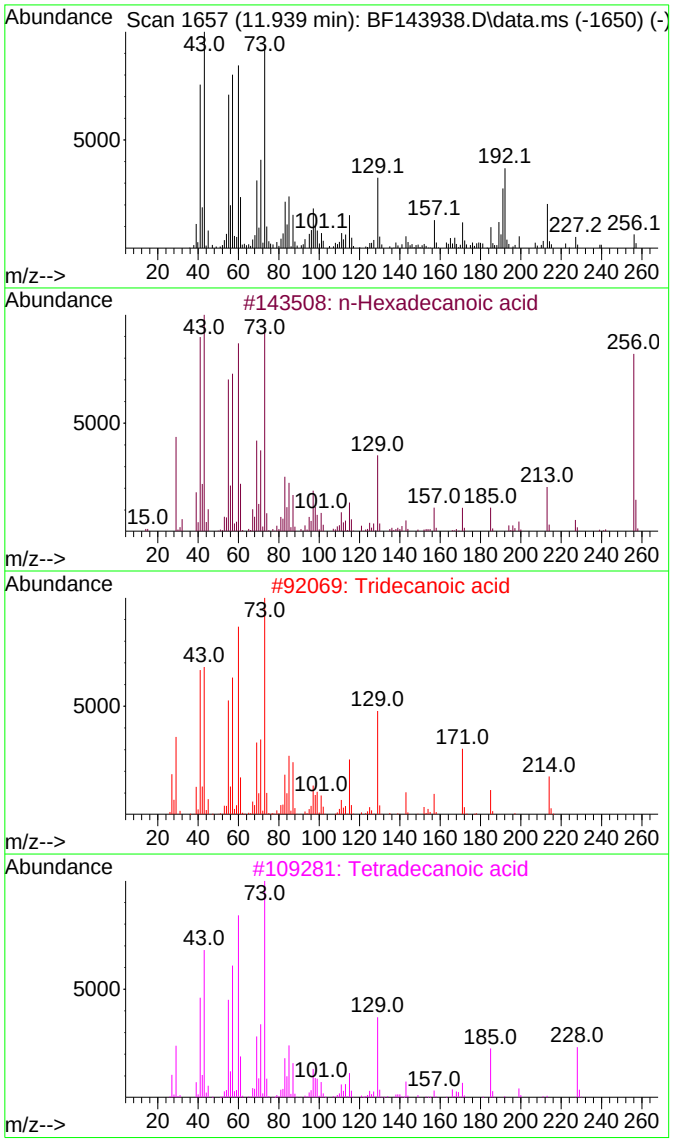
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

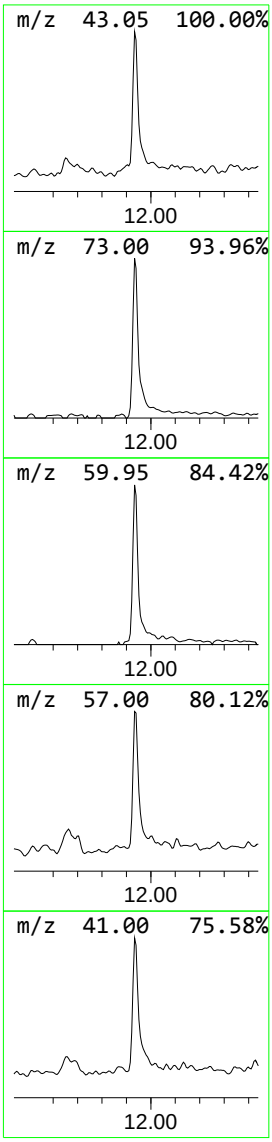
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	6.75 ng	269949	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

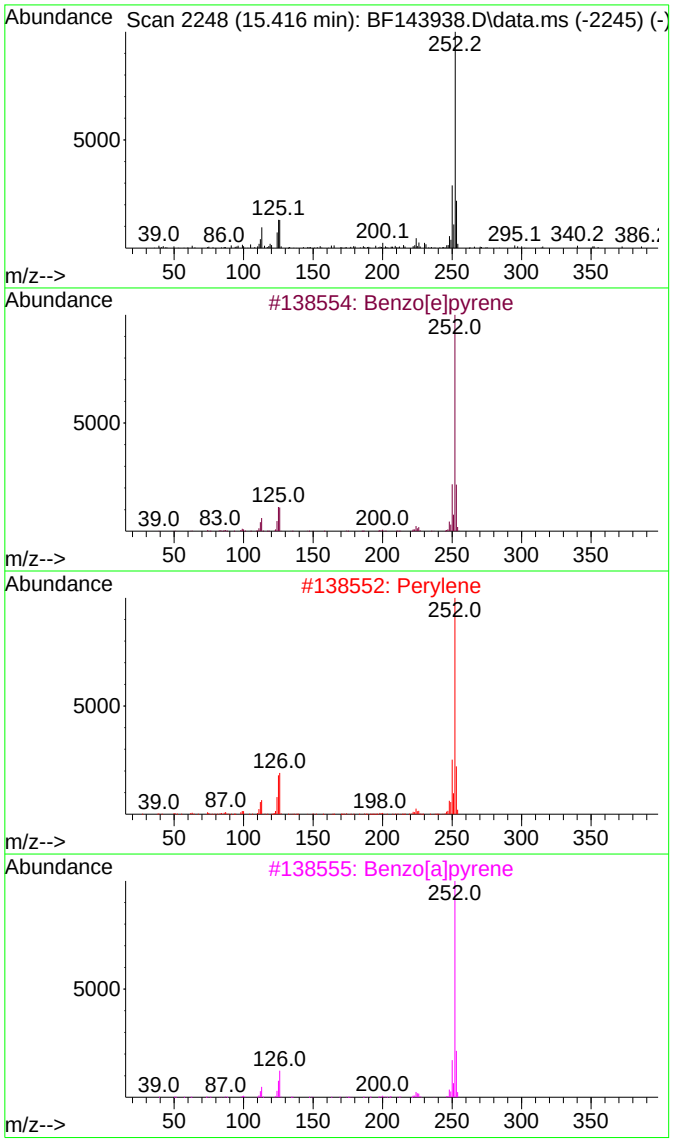
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

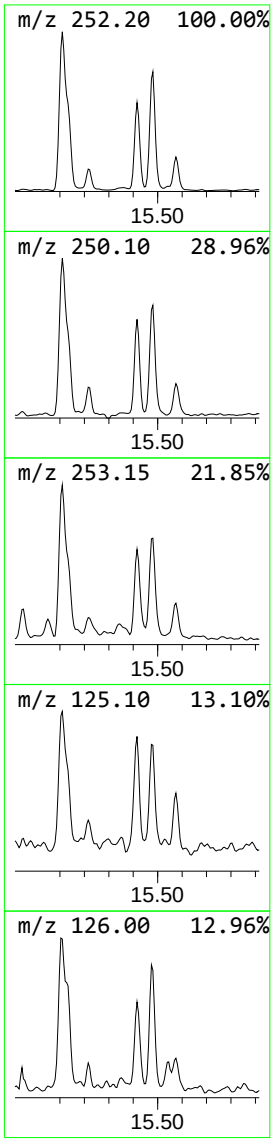
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.416	2.64 ng	107156	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143938.D
Acq On : 13 Oct 2025 18:00
Operator : RC/JU
Sample : Q3323-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.634	7.4	ng	289170	3	9.922	781417	20.0
n-Hexadecanoic ...	11.939	6.8	ng	269949	4	11.410	800411	20.0
Benzo[e]pyrene	15.416	2.6	ng	107156	6	15.545	810841	20.0

Raw Data: **BF143939.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-03-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	71.6
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	460	ug/Kg	10/13/25 18:30	PB170067
108-95-2	Phenol	30.8	U	1	30.8	240	ug/Kg	10/13/25 18:30	PB170067
111-44-4	bis(2-Chloroethyl)ether	33.8	U	1	33.8	240	ug/Kg	10/13/25 18:30	PB170067
95-57-8	2-Chlorophenol	34.0	U	1	34.0	240	ug/Kg	10/13/25 18:30	PB170067
95-48-7	2-Methylphenol	41.6	U	1	41.6	240	ug/Kg	10/13/25 18:30	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	52.2	U	1	52.2	240	ug/Kg	10/13/25 18:30	PB170067
98-86-2	Acetophenone	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
65794-96-9	3+4-Methylphenols	57.2	U	1	57.2	460	ug/Kg	10/13/25 18:30	PB170067
621-64-7	n-Nitroso-di-n-propylamine	66.0	U	1	66.0	110	ug/Kg	10/13/25 18:30	PB170067
67-72-1	Hexachloroethane	24.5	U	1	24.5	240	ug/Kg	10/13/25 18:30	PB170067
98-95-3	Nitrobenzene	25.5	U	1	25.5	240	ug/Kg	10/13/25 18:30	PB170067
78-59-1	Isophorone	45.7	U	1	45.7	240	ug/Kg	10/13/25 18:30	PB170067
88-75-5	2-Nitrophenol	81.1	U	1	81.1	240	ug/Kg	10/13/25 18:30	PB170067
105-67-9	2,4-Dimethylphenol	90.3	U	1	90.3	240	ug/Kg	10/13/25 18:30	PB170067
111-91-1	bis(2-Chloroethoxy)methane	42.9	U	1	42.9	240	ug/Kg	10/13/25 18:30	PB170067
120-83-2	2,4-Dichlorophenol	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
91-20-3	Naphthalene	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
106-47-8	4-Chloroaniline	49.3	U	1	49.3	240	ug/Kg	10/13/25 18:30	PB170067
87-68-3	Hexachlorobutadiene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
105-60-2	Caprolactam	72.6	U	1	72.6	460	ug/Kg	10/13/25 18:30	PB170067
59-50-7	4-Chloro-3-methylphenol	40.0	U	1	40.0	240	ug/Kg	10/13/25 18:30	PB170067
91-57-6	2-Methylnaphthalene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	460	ug/Kg	10/13/25 18:30	PB170067
88-06-2	2,4,6-Trichlorophenol	27.6	U	1	27.6	240	ug/Kg	10/13/25 18:30	PB170067
95-95-4	2,4,5-Trichlorophenol	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
92-52-4	1,1-Biphenyl	30.4	U	1	30.4	240	ug/Kg	10/13/25 18:30	PB170067
91-58-7	2-Chloronaphthalene	31.3	U	1	31.3	240	ug/Kg	10/13/25 18:30	PB170067
88-74-4	2-Nitroaniline	67.0	U	1	67.0	240	ug/Kg	10/13/25 18:30	PB170067
131-11-3	Dimethylphthalate	37.7	U	1	37.7	240	ug/Kg	10/13/25 18:30	PB170067
208-96-8	Acenaphthylene	40.3	U	1	40.3	240	ug/Kg	10/13/25 18:30	PB170067
606-20-2	2,6-Dinitrotoluene	46.8	U	1	46.8	240	ug/Kg	10/13/25 18:30	PB170067
99-09-2	3-Nitroaniline	64.1	U	1	64.1	240	ug/Kg	10/13/25 18:30	PB170067
83-32-9	Acenaphthene	29.7	U	1	29.7	240	ug/Kg	10/13/25 18:30	PB170067
51-28-5	2,4-Dinitrophenol	320	U	1	320	460	ug/Kg	10/13/25 18:30	PB170067
100-02-7	4-Nitrophenol	150	U	1	150	460	ug/Kg	10/13/25 18:30	PB170067
132-64-9	Dibenzofuran	31.6	U	1	31.6	240	ug/Kg	10/13/25 18:30	PB170067
121-14-2	2,4-Dinitrotoluene	69.8	U	1	69.8	240	ug/Kg	10/13/25 18:30	PB170067
84-66-2	Diethylphthalate	39.4	U	1	39.4	240	ug/Kg	10/13/25 18:30	PB170067
7005-72-3	4-Chlorophenyl-phenylether	37.2	U	1	37.2	240	ug/Kg	10/13/25 18:30	PB170067
86-73-7	Fluorene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
100-01-6	4-Nitroaniline	89.4	U	1	89.4	240	ug/Kg	10/13/25 18:30	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	460	ug/Kg	10/13/25 18:30	PB170067

Raw Data: **BF143939.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-03-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	71.6
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.8	U	1	45.8	240	ug/Kg	10/13/25 18:30	PB170067
101-55-3	4-Bromophenyl-phenylether	38.7	U	1	38.7	240	ug/Kg	10/13/25 18:30	PB170067
118-74-1	Hexachlorobenzene	35.2	U	1	35.2	240	ug/Kg	10/13/25 18:30	PB170067
1912-24-9	Atrazine	47.4	U	1	47.4	240	ug/Kg	10/13/25 18:30	PB170067
87-86-5	Pentachlorophenol	71.5	U	1	71.5	460	ug/Kg	10/13/25 18:30	PB170067
85-01-8	Phenanthrene	97.2	J	1	29.1	240	ug/Kg	10/13/25 18:30	PB170067
120-12-7	Anthracene	46.4	U	1	46.4	240	ug/Kg	10/13/25 18:30	PB170067
86-74-8	Carbazole	43.5	U	1	43.5	240	ug/Kg	10/13/25 18:30	PB170067
84-74-2	Di-n-butylphthalate	66.7	U	1	66.7	240	ug/Kg	10/13/25 18:30	PB170067
206-44-0	Fluoranthene	200	J	1	41.8	240	ug/Kg	10/13/25 18:30	PB170067
129-00-0	Pyrene	140	J	1	50.1	240	ug/Kg	10/13/25 18:30	PB170067
85-68-7	Butylbenzylphthalate	99.5	U	1	99.5	240	ug/Kg	10/13/25 18:30	PB170067
91-94-1	3,3-Dichlorobenzidine	51.1	U	1	51.1	460	ug/Kg	10/13/25 18:30	PB170067
56-55-3	Benzo(a)anthracene	100	J	1	32.0	240	ug/Kg	10/13/25 18:30	PB170067
218-01-9	Chrysene	100	J	1	27.7	240	ug/Kg	10/13/25 18:30	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	82.5	U	1	82.5	240	ug/Kg	10/13/25 18:30	PB170067
117-84-0	Di-n-octyl phthalate	120	U	1	120	460	ug/Kg	10/13/25 18:30	PB170067
205-99-2	Benzo(b)fluoranthene	94.1	J	1	26.5	240	ug/Kg	10/13/25 18:30	PB170067
207-08-9	Benzo(k)fluoranthene	31.2	U	1	31.2	240	ug/Kg	10/13/25 18:30	PB170067
50-32-8	Benzo(a)pyrene	41.1	U	1	41.1	240	ug/Kg	10/13/25 18:30	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	40.5	U	1	40.5	240	ug/Kg	10/13/25 18:30	PB170067
53-70-3	Dibenzo(a,h)anthracene	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067
191-24-2	Benzo(g,h,i)perylene	35.8	U	1	35.8	240	ug/Kg	10/13/25 18:30	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	35.7	U	1	35.7	240	ug/Kg	10/13/25 18:30	PB170067
123-91-1	1,4-Dioxane	63.0	U	1	63.0	240	ug/Kg	10/13/25 18:30	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	38.2	U	1	38.2	240	ug/Kg	10/13/25 18:30	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	76.5			18 - 112	51%	SPK: 150		
13127-88-3	Phenol-d6	76.0			15 - 107	51%	SPK: 150		
4165-60-0	Nitrobenzene-d5	52.1			18 - 107	52%	SPK: 100		
321-60-8	2-Fluorobiphenyl	48.1			20 - 109	48%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	59.2			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	33.3			10 - 105	33%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	106000							
1146-65-2	Naphthalene-d8	381000							
15067-26-2	Acenaphthene-d10	195000							
1517-22-2	Phenanthrene-d10	273000							
1719-03-5	Chrysene-d12	233000							
1520-96-3	Perylene-d12	303000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	300	J			10.6	ug/Kg		
000638-53-9	Tridecanoic acid	220	J			11.9	ug/Kg		

Raw Data: **BF143939.D**

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

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-03-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	71.6
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Time: Oct 14 01:29:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

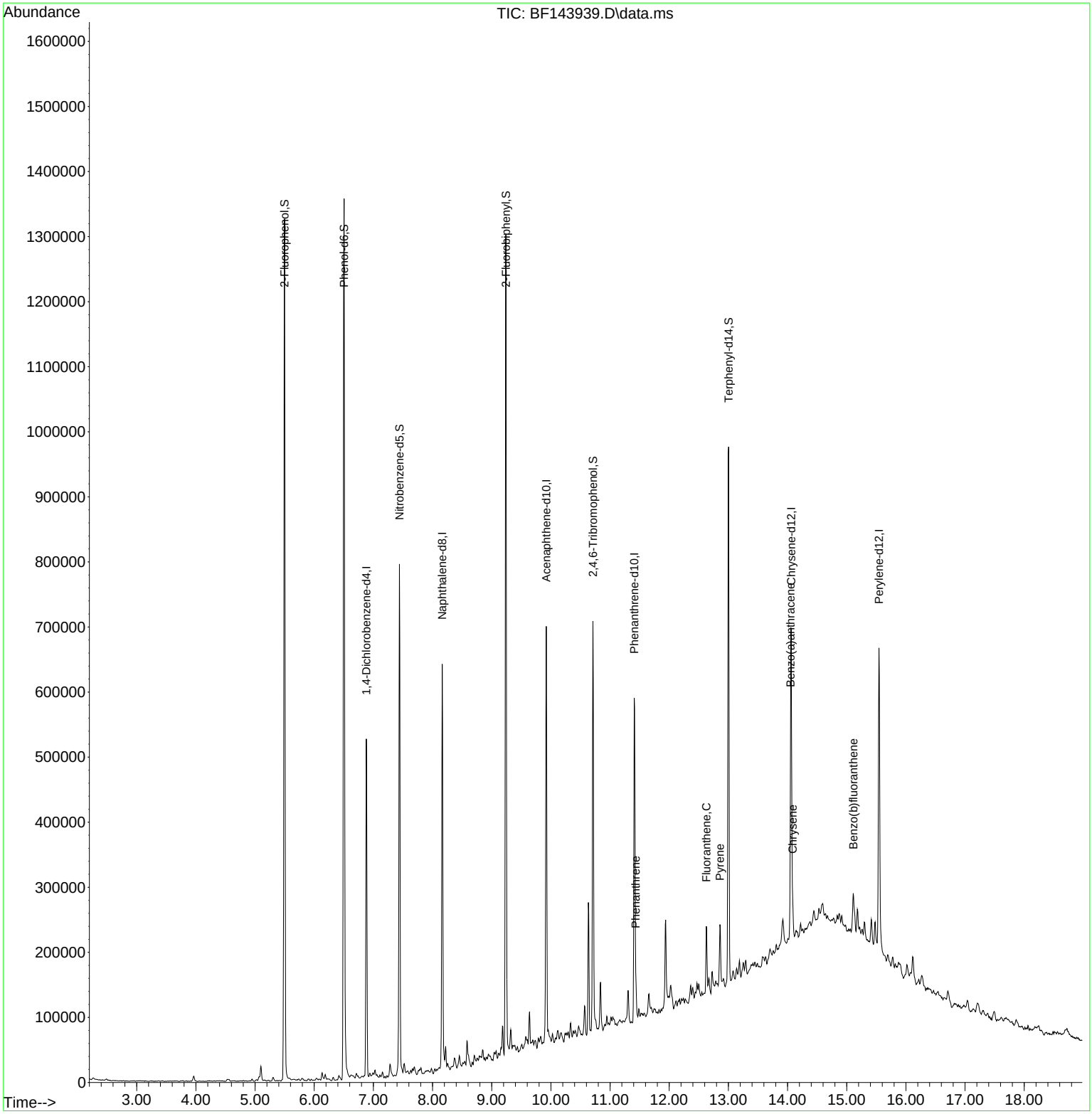
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105702	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	380784	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	194972	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	272542	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	233050	20.000	ng	0.00
86) Perylene-d12	15.545	264	302615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	509275	76.510	ng	0.00
7) Phenol-d6	6.504	99	603049	76.007	ng	-0.01
23) Nitrobenzene-d5	7.439	82	326774	52.137	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	115036	59.237	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	591539	48.141	ng	-0.01
79) Terphenyl-d14	13.004	244	453597	33.265	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	27657	2.093	ng	94
75) Fluoranthene	12.627	202	58843	4.311	ng	97
78) Pyrene	12.857	202	56954m	2.931	ng	
81) Benzo(a)anthracene	14.051	228	33292	2.183	ng	# 82
83) Chrysene	14.086	228	31735	2.248	ng	# 96
88) Benzo(b)fluoranthene	15.109	252	35222m	2.026	ng	

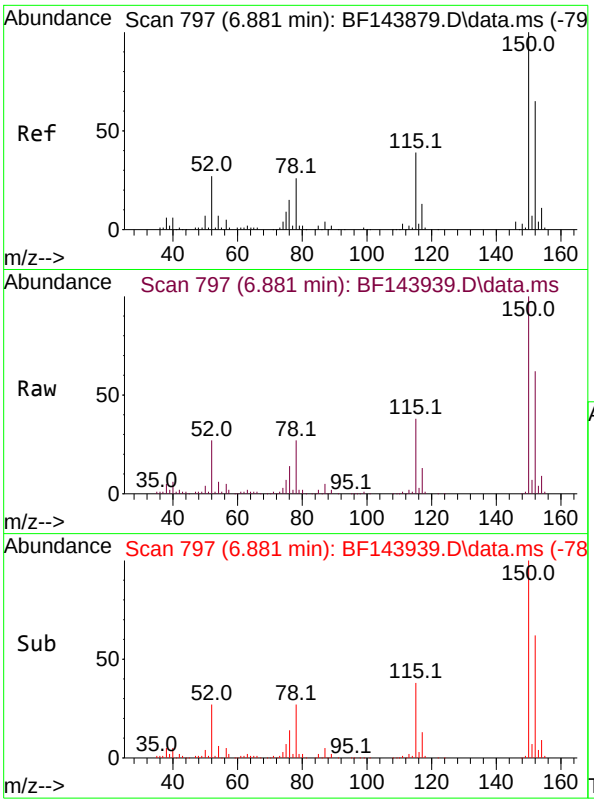
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Time: Oct 14 01:29:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



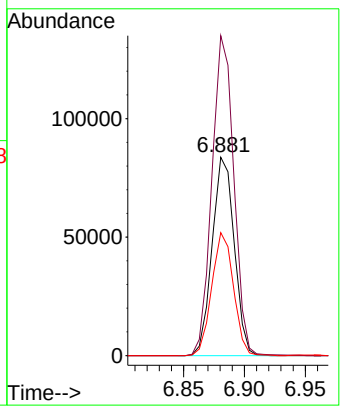


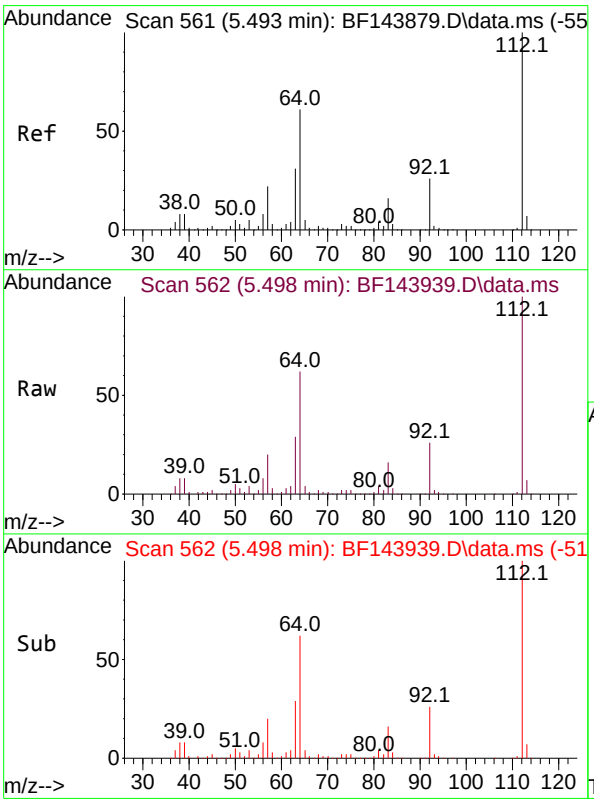
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:152 Resp: 105702

Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.4	186.6
115	62.0	48.1	72.1

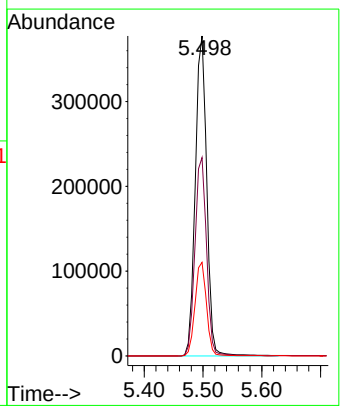


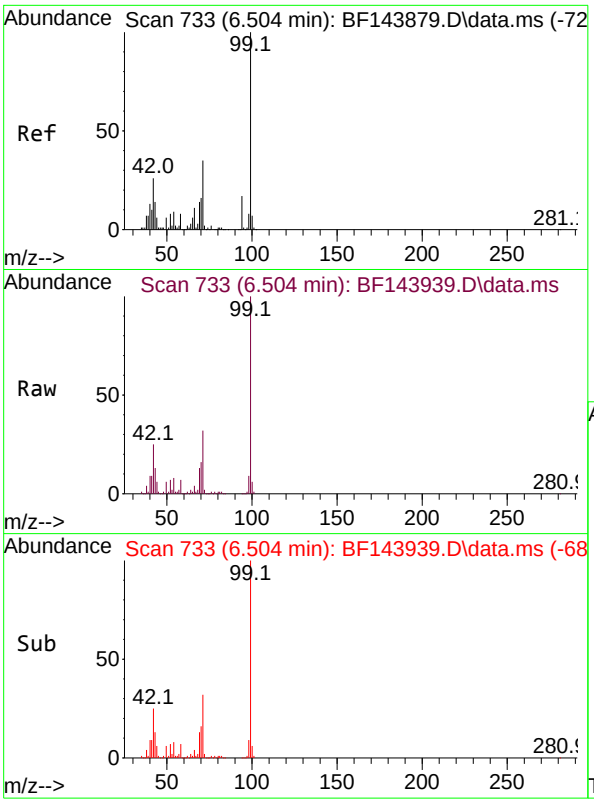


#5
2-Fluorophenol
Concen: 76.510 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:112 Resp: 509275

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.1	73.7
63	29.2	24.5	36.7



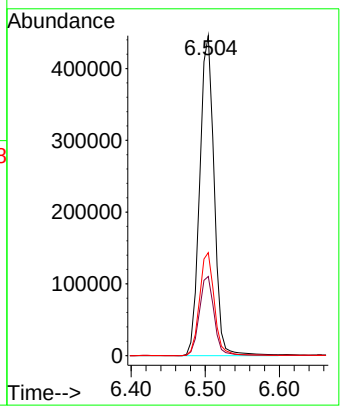


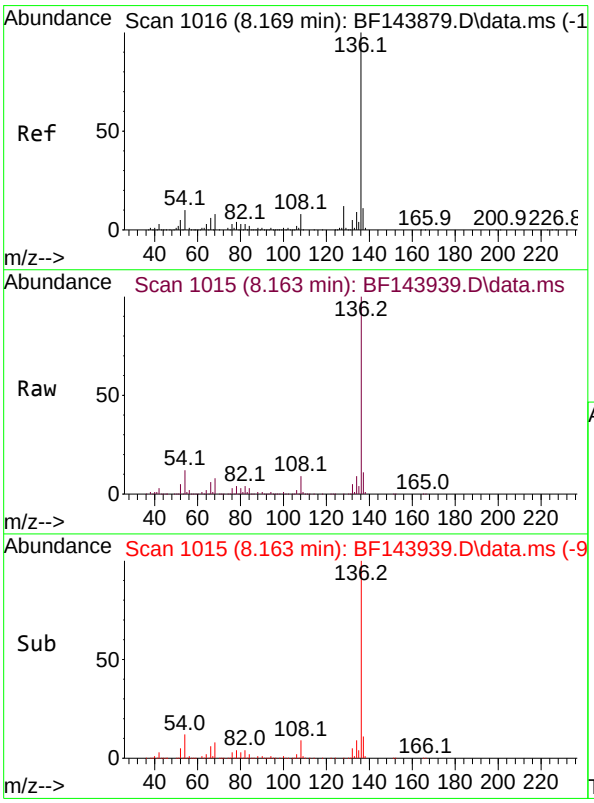
#7
Phenol-d6
Concen: 76.007 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion: 99 Resp: 603049

Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.0	31.4
71	32.2	27.8	41.8

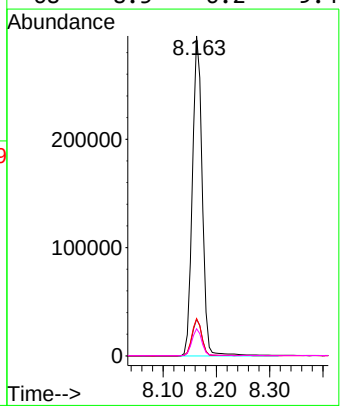


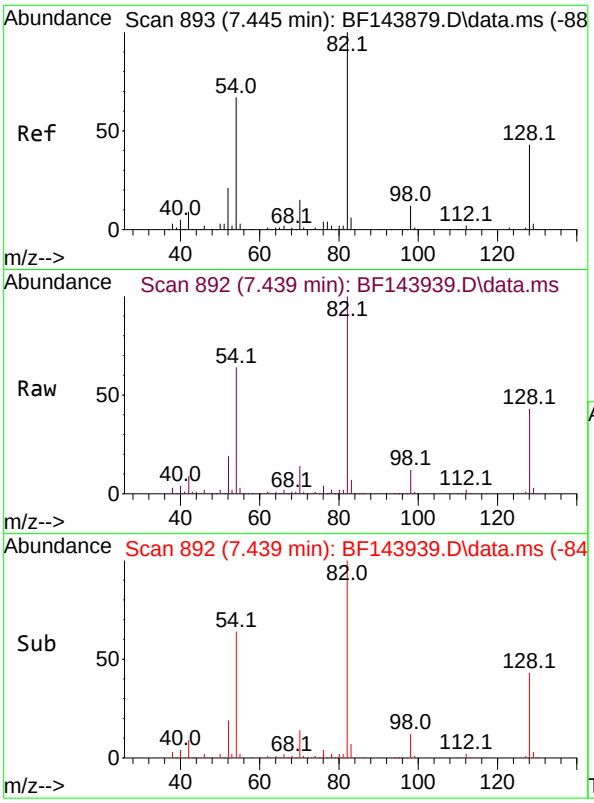


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:136 Resp: 380784

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.5	12.7
54	11.7	8.2	12.4
68	8.5	6.2	9.4



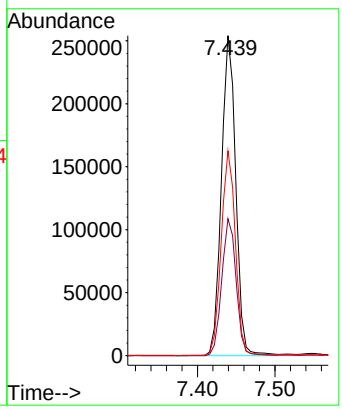


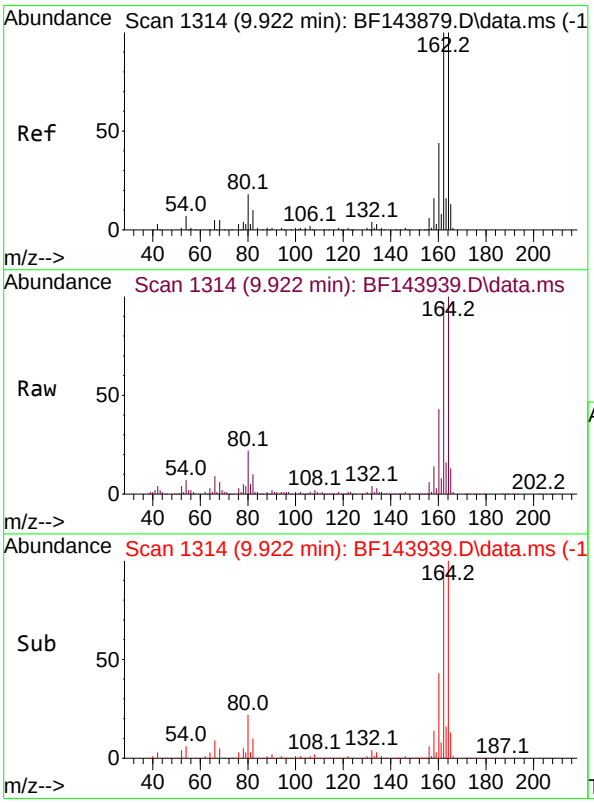
#23
Nitrobenzene-d5
Concen: 52.137 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion: 82 Resp: 326774

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.0	53.2	79.8

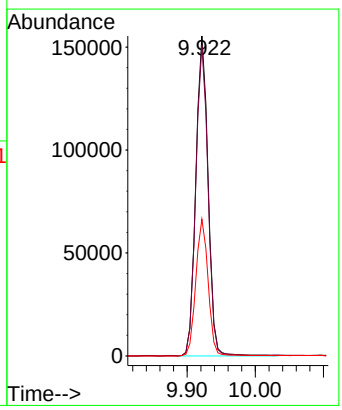


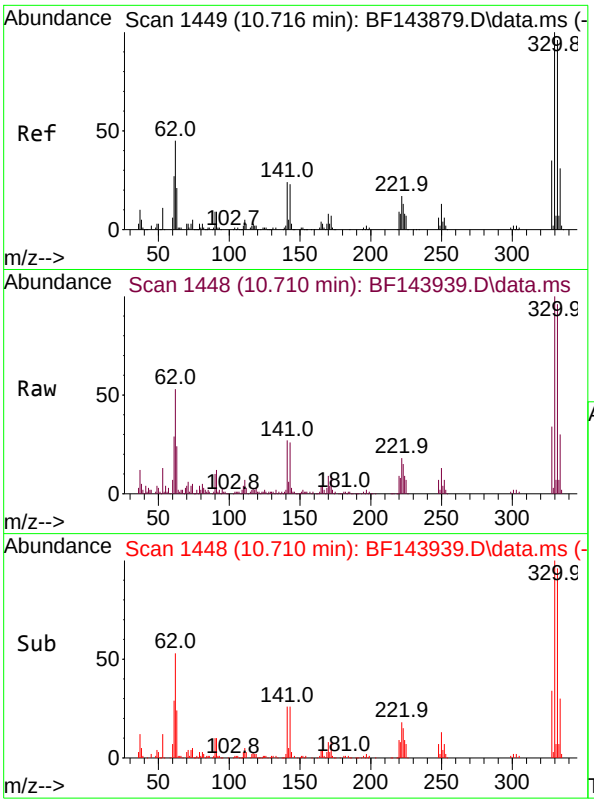


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:164 Resp: 194972

Ion	Ratio	Lower	Upper
164	100		
162	97.0	80.2	120.2
160	42.7	35.4	53.0



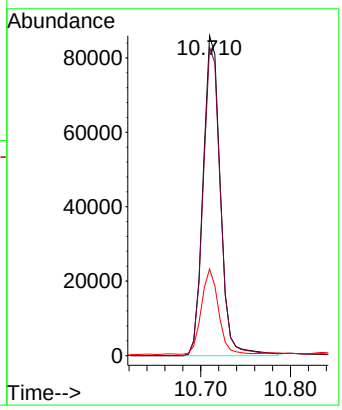


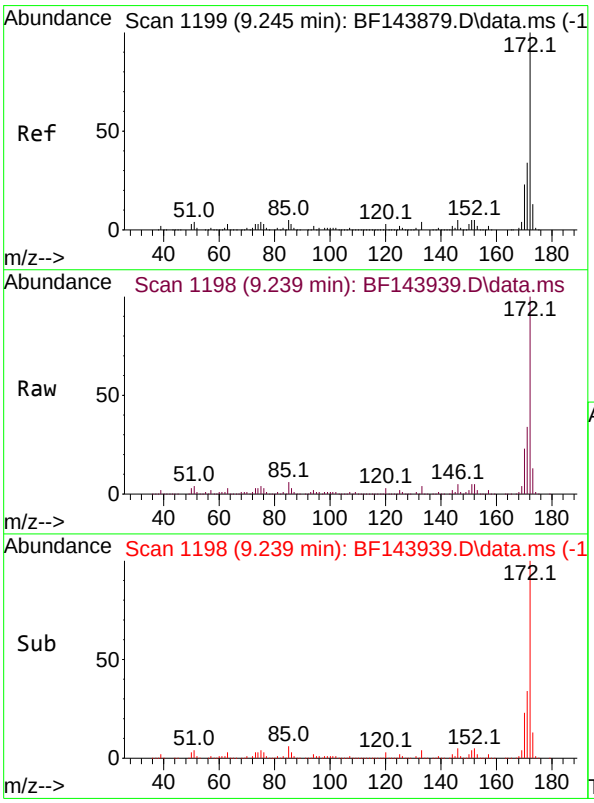
#42
2,4,6-Tribromophenol
Concen: 59.237 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:330 Resp: 115036

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.9	115.3
141	26.2	20.2	30.4

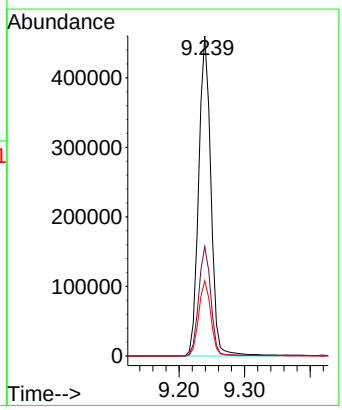


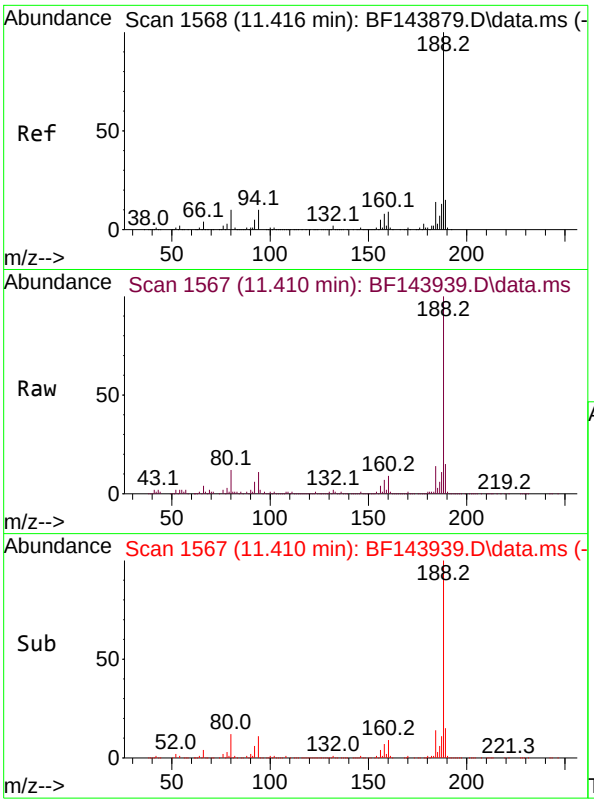


#45
2-Fluorobiphenyl
Concen: 48.141 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:172 Resp: 591539

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.4	41.0
170	23.4	18.6	28.0



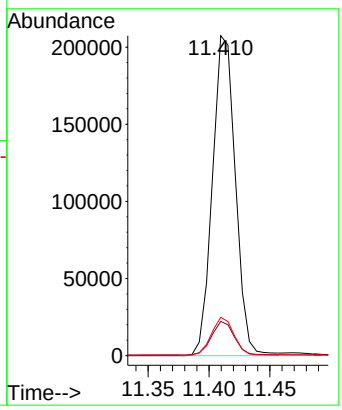


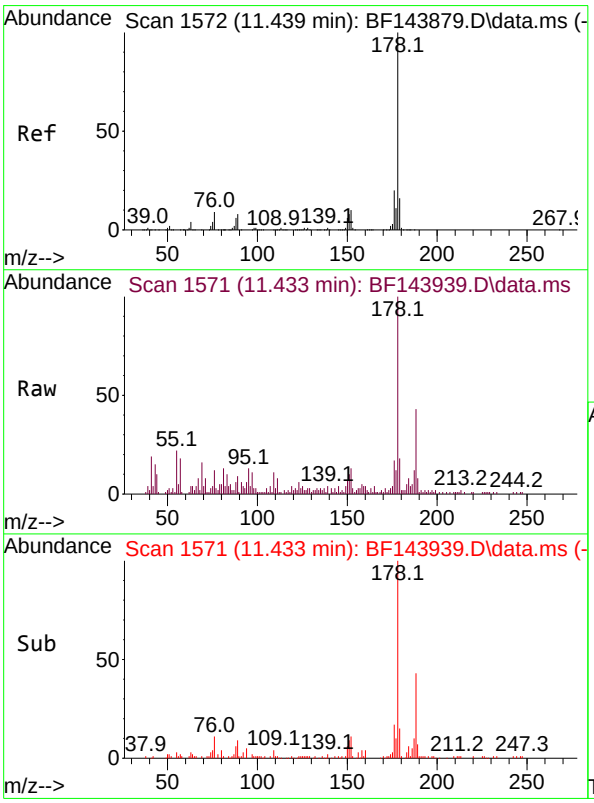
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:188 Resp: 272542

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	12.0	7.9	11.9#

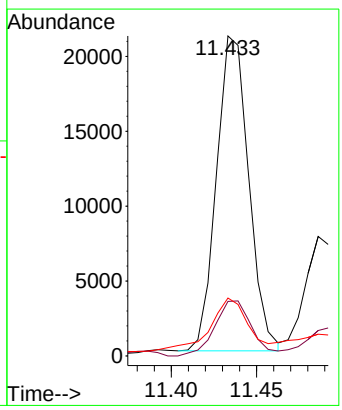


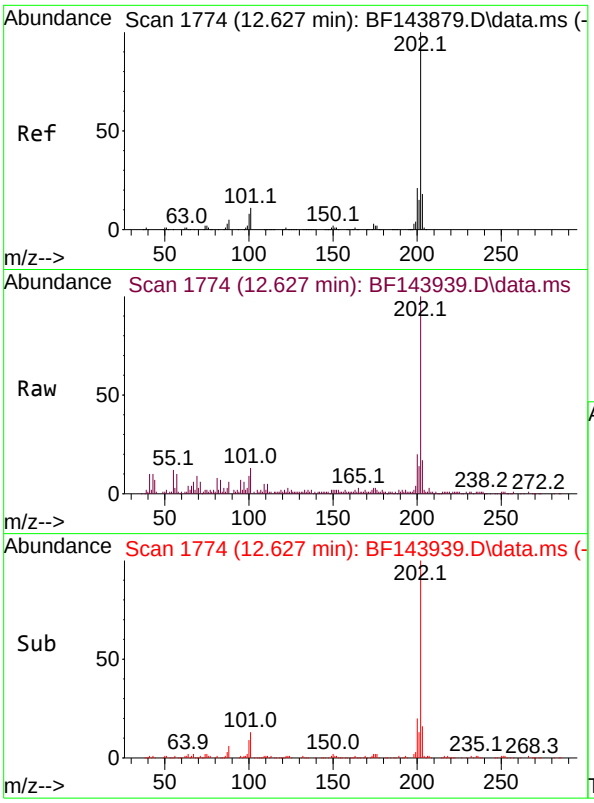


#71
Phenanthrene
Concen: 2.093 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:178 Resp: 27657

Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.9	23.9
179	18.1	12.4	18.6



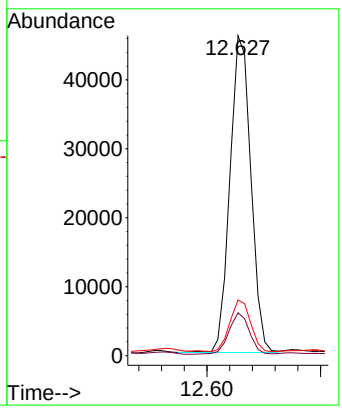


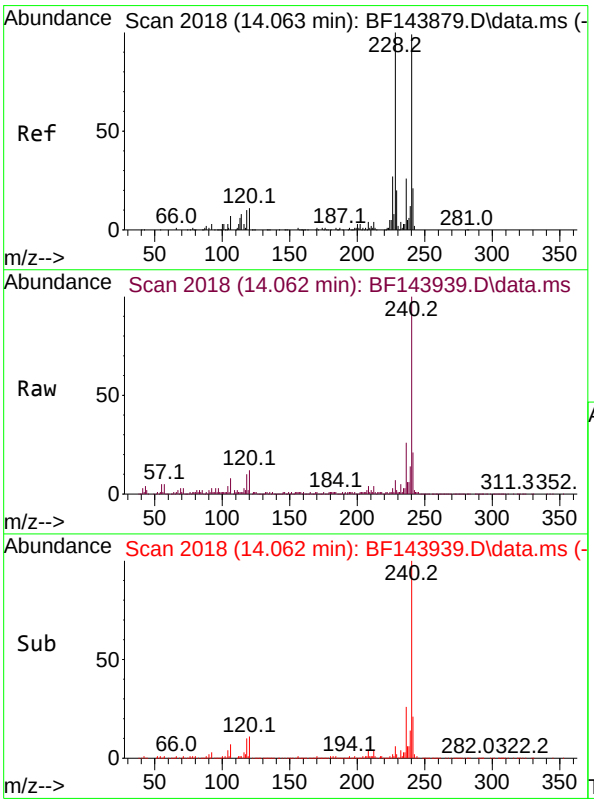
#75
Fluoranthene
Concen: 4.311 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:202 Resp: 58843

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	30.7
203	17.4	0.0	37.8

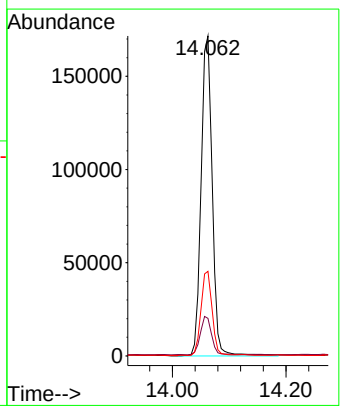


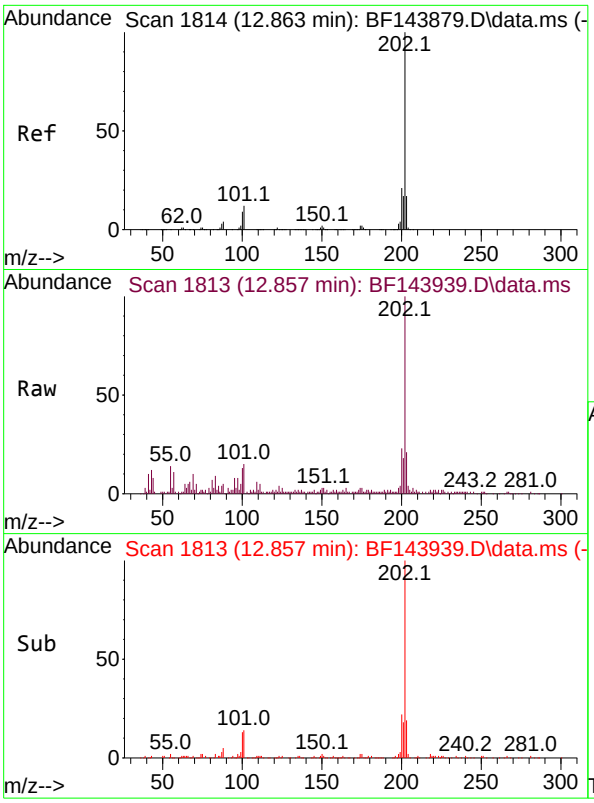


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:240 Resp: 233050

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.6	13.0
236	26.4	21.1	31.7



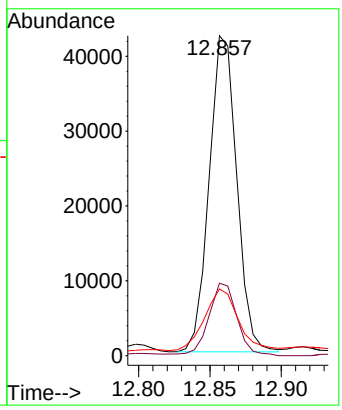


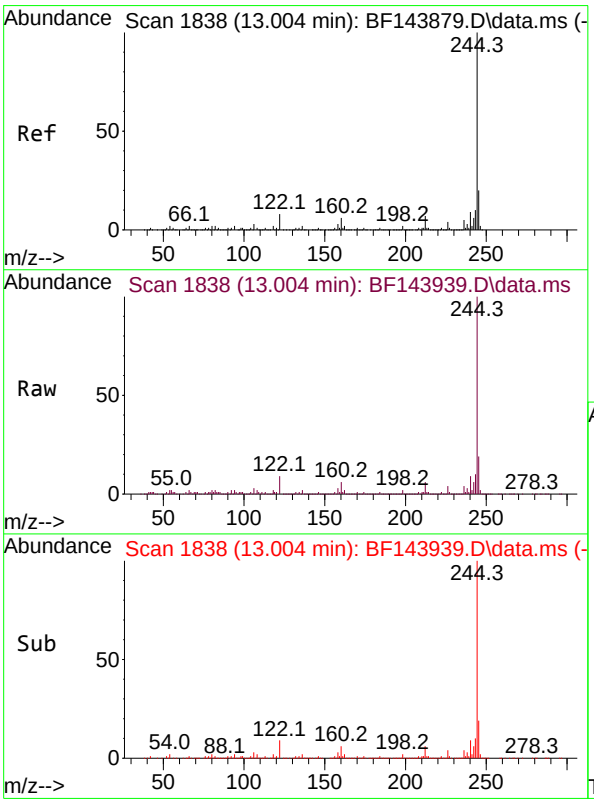
#78
Pyrene
Concen: 2.931 ng m
RT: 12.857 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:202 Resp: 56954

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.0	25.6
203	20.8	13.8	20.6#

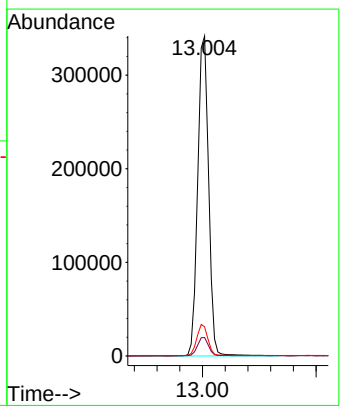


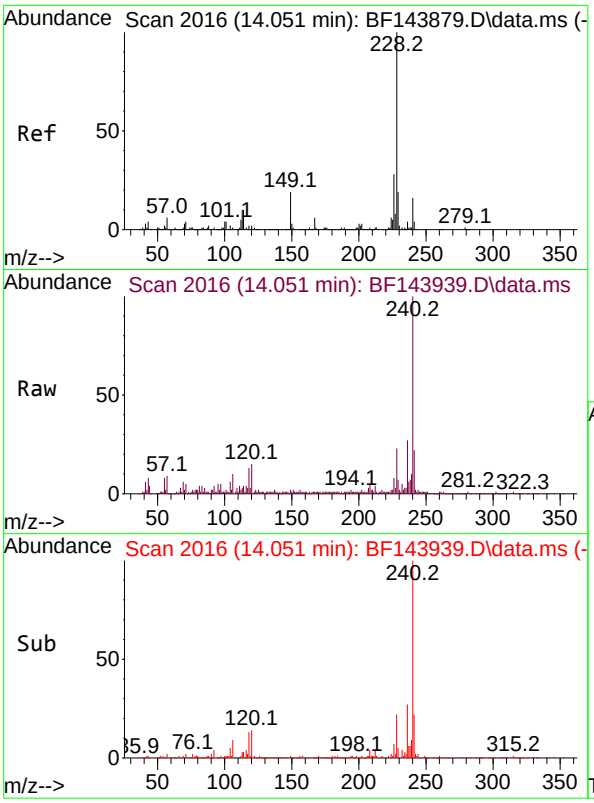


#79
Terphenyl-d14
Concen: 33.265 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:244 Resp: 453597

Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.4	8.0
122	9.1	6.4	9.6



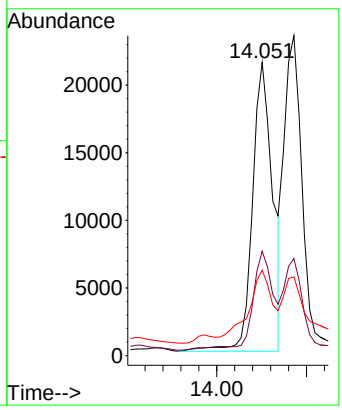


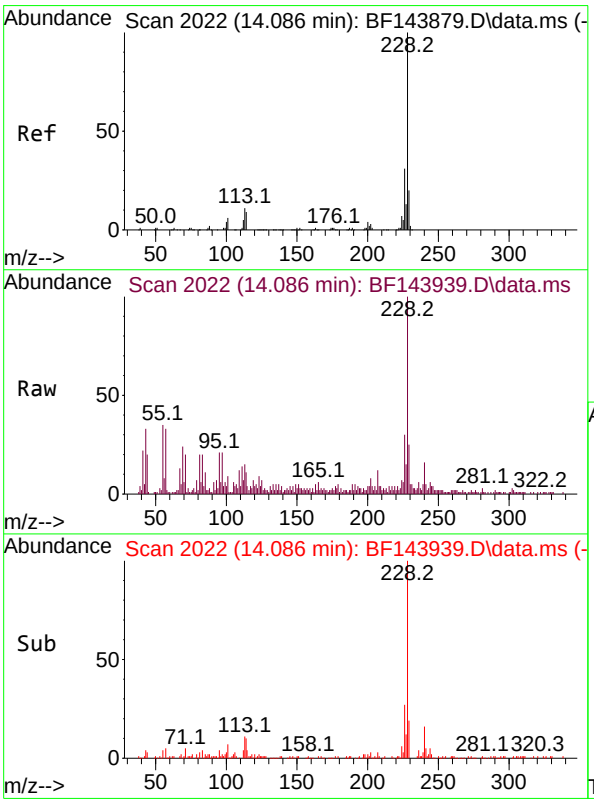
#81
Benzo(a)anthracene
Concen: 2.183 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:228 Resp: 33292

Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.2	33.2#
229	29.2	15.6	23.4#

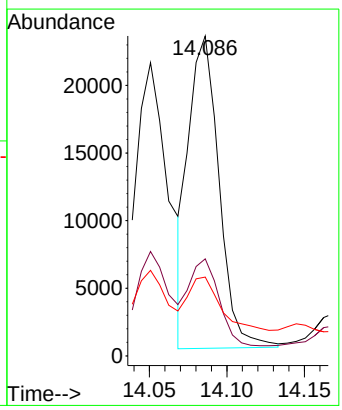


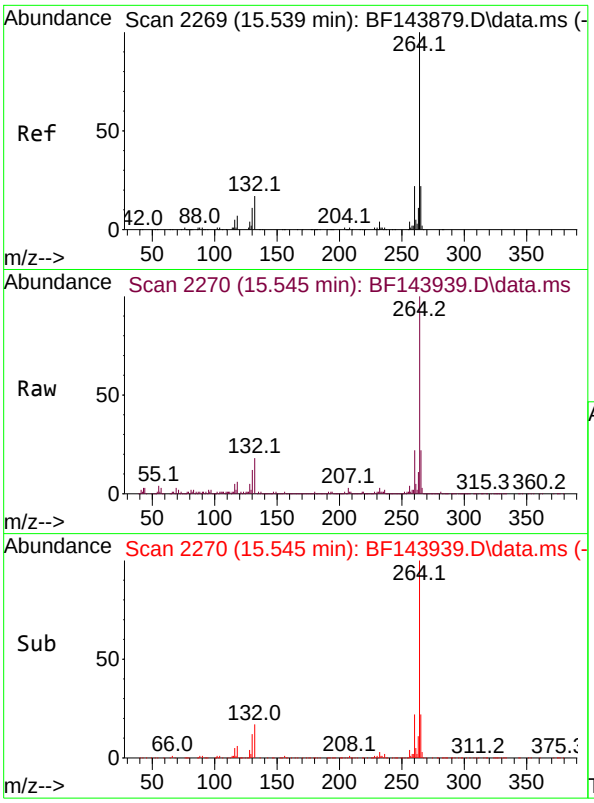


#83
Chrysene
Concen: 2.248 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:228 Resp: 31735

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.4	36.6
229	24.6	15.9	23.9#



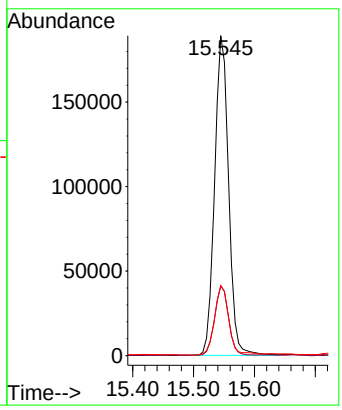


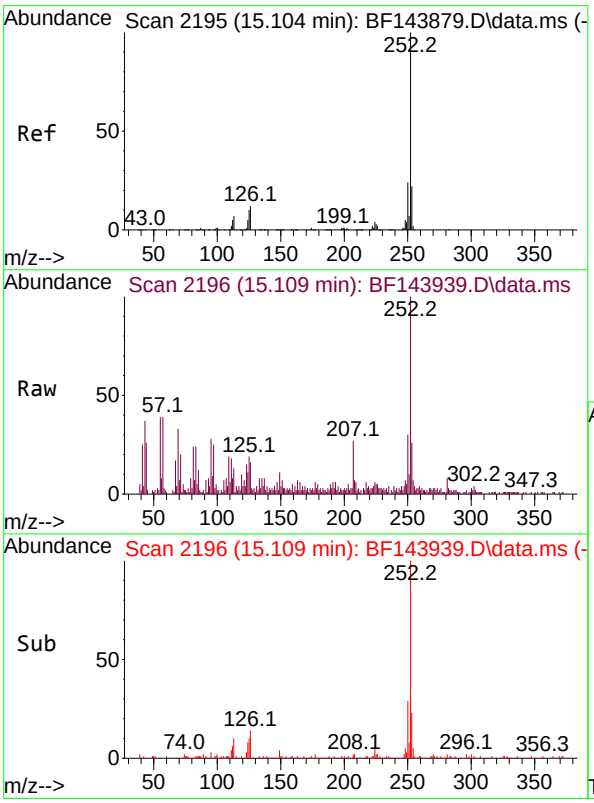
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Tgt Ion:264 Resp: 302615

Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.8	26.8
265	21.9	17.5	26.3

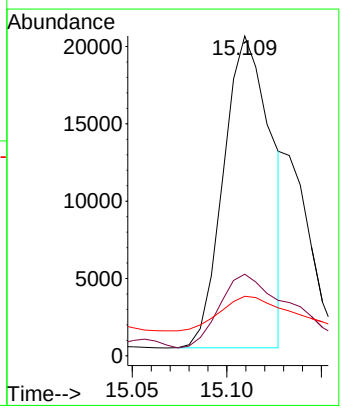




#88
Benzo(b)fluoranthene
Concen: 2.026 ng m
RT: 15.109 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143939.D
Acq: 13 Oct 2025 18:30

Tgt Ion:252 Resp: 35222

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.2
125	18.6	7.8	11.6#



Sample Results: **BF143939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143939.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	490	494	500	rVB	21520	33108	1.74%	0.230%
2	5.498	556	562	574	rBV	1322783	1785771	93.78%	12.399%
3	6.134	665	670	676	rBV3	11268	19462	1.02%	0.135%
4	6.504	727	733	749	rBV	1353643	1904254	100.00%	13.222%
5	6.881	792	797	804	rVB	519016	654795	34.39%	4.546%
6	7.281	860	865	875	rBV2	19104	38330	2.01%	0.266%
7	7.439	882	892	902	rBV	786482	1042808	54.76%	7.240%
8	7.522	902	906	911	rVV5	13932	21693	1.14%	0.151%
9	7.692	932	935	942	rVB6	11900	21509	1.13%	0.149%
10	8.163	1009	1015	1022	rBV	621491	819300	43.02%	5.689%
11	8.222	1022	1025	1028	rVV	35145	43969	2.31%	0.305%
12	8.369	1047	1050	1057	rVB4	15415	29712	1.56%	0.206%
13	8.451	1061	1064	1071	rVB6	16661	25651	1.35%	0.178%
14	8.580	1083	1086	1098	rVB2	39527	81005	4.25%	0.562%
15	8.704	1104	1107	1113	rBV6	14248	27471	1.44%	0.191%
16	9.045	1161	1165	1167	rBV4	12534	19796	1.04%	0.137%
17	9.180	1185	1188	1193	rVB	44075	57184	3.00%	0.397%
18	9.239	1193	1198	1207	rBV	1260156	1602567	84.16%	11.127%
19	9.322	1208	1212	1216	rVV2	29169	42658	2.24%	0.296%
20	9.639	1262	1266	1270	rBV2	49234	61857	3.25%	0.429%
21	9.786	1288	1291	1294	rBV3	15140	23120	1.21%	0.161%
22	9.922	1308	1314	1318	rBV	634830	800577	42.04%	5.559%
23	10.333	1381	1384	1389	rVB3	21295	28843	1.51%	0.200%
24	10.569	1421	1424	1430	rVB	45164	66967	3.52%	0.465%
25	10.633	1431	1435	1440	rBV	201878	259795	13.64%	1.804%
26	10.710	1443	1448	1455	rBV	629595	838722	44.04%	5.823%
27	10.839	1466	1470	1477	rVB	74484	111626	5.86%	0.775%
28	11.304	1546	1549	1556	rVB2	49905	71308	3.74%	0.495%
29	11.410	1563	1567	1577	rBV	496282	730958	38.39%	5.075%
30	11.939	1653	1657	1664	rBV2	121450	170895	8.97%	1.187%
31	12.627	1771	1774	1778	rBV	99741	128443	6.75%	0.892%
32	12.857	1810	1813	1818	rVB	87497	113472	5.96%	0.788%
33	13.004	1833	1838	1844	rVB	820409	1100203	57.78%	7.639%
34	14.057	2013	2017	2027	rVB	474840	749649	39.37%	5.205%
35	15.545	2265	2270	2291	rVB	481136	875102	45.96%	6.076%

Sample Results: **BF143939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 14402580

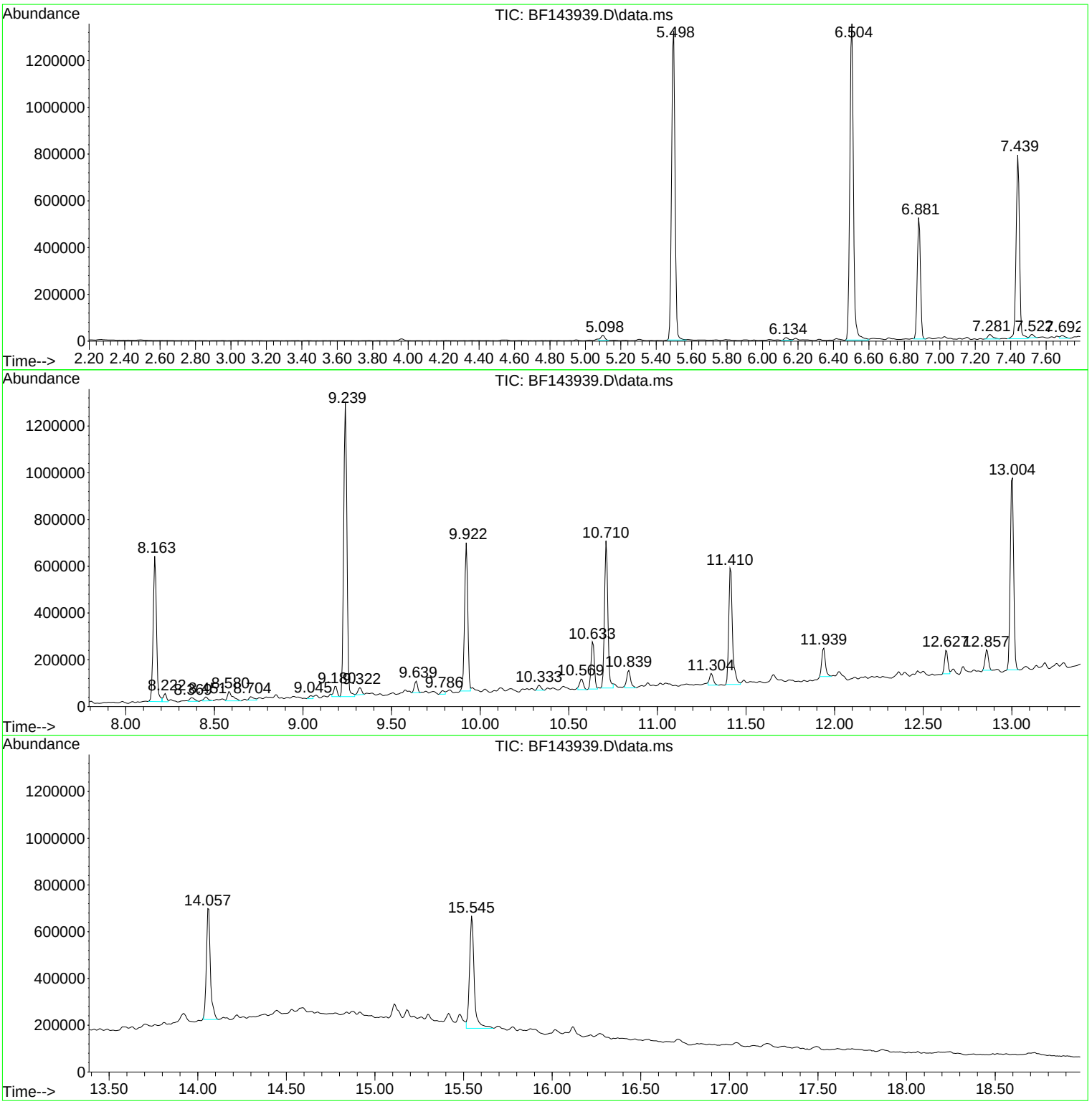
Sample Results: **BF143939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

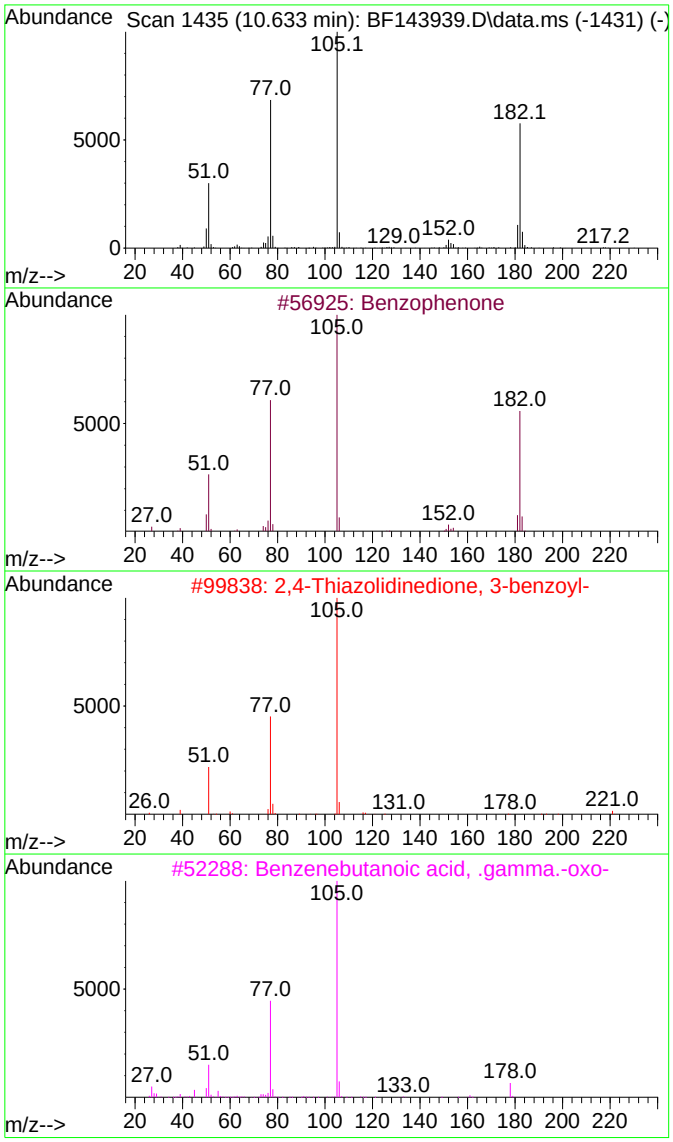
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

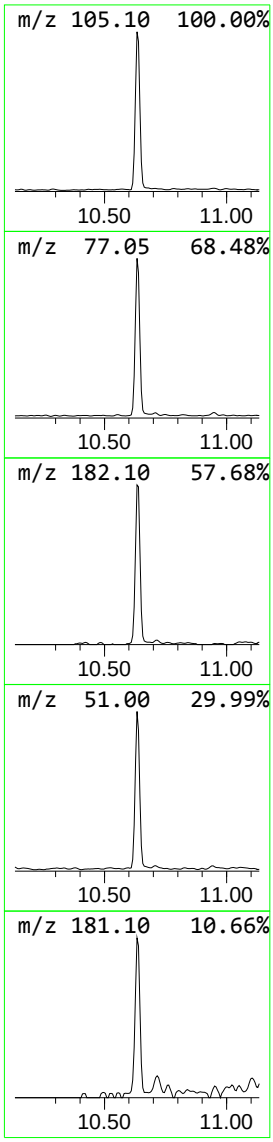
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.49 ng	259795	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2,4-Thiazolidinedione, 3-benzoyl-	221	C10H7NO3S	1000460-55-6	47
3	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
4	Benzilamide	227	C14H13NO2	004746-87-6	47
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	47





Sample Results: **BF143939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

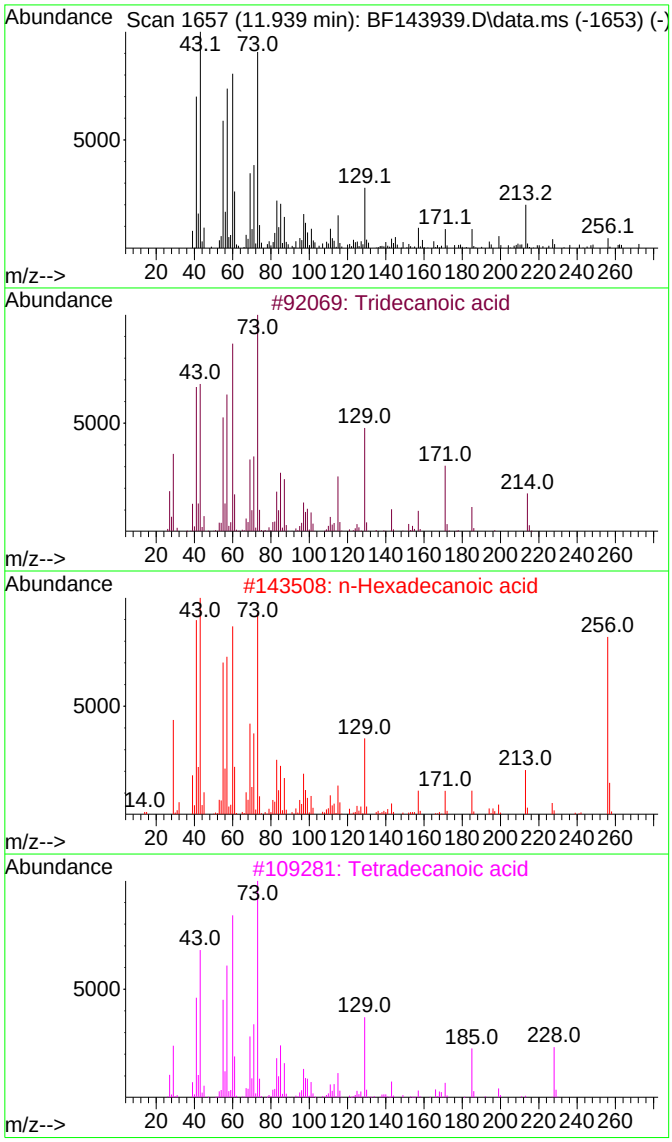
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

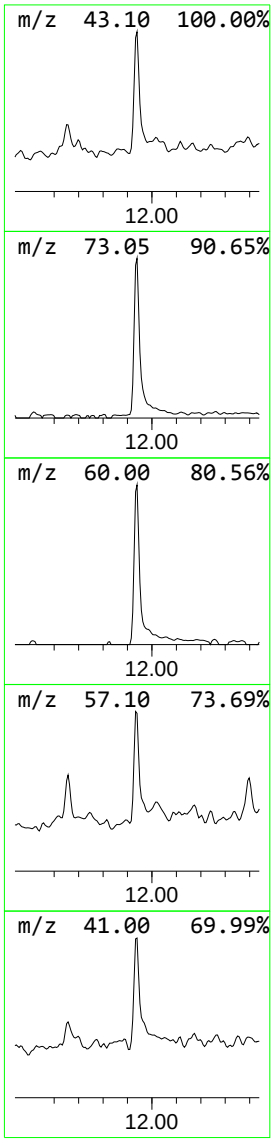
****

Peak Number 3 Tridecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.68 ng	170895	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
5	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	78





Sample Results: **BF143939.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143939.D
Acq On : 13 Oct 2025 18:30
Operator : RC/JU
Sample : Q3323-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-03-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.633	6.5	ng	259795	3	9.922	800577	20.0
Tridecanoic acid	11.939	4.7	ng	170895	4	11.410	730958	20.0

Raw Data: **BF143934.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	220	U	1	220	470	ug/Kg	10/13/25 16:05	PB170067
108-95-2	Phenol	31.4	U	1	31.4	240	ug/Kg	10/13/25 16:05	PB170067
111-44-4	bis(2-Chloroethyl)ether	34.5	U	1	34.5	240	ug/Kg	10/13/25 16:05	PB170067
95-57-8	2-Chlorophenol	34.7	U	1	34.7	240	ug/Kg	10/13/25 16:05	PB170067
95-48-7	2-Methylphenol	42.5	U	1	42.5	240	ug/Kg	10/13/25 16:05	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	53.3	U	1	53.3	240	ug/Kg	10/13/25 16:05	PB170067
98-86-2	Acetophenone	41.9	U	1	41.9	240	ug/Kg	10/13/25 16:05	PB170067
65794-96-9	3+4-Methylphenols	58.4	U	1	58.4	470	ug/Kg	10/13/25 16:05	PB170067
621-64-7	n-Nitroso-di-n-propylamine	67.4	U	1	67.4	110	ug/Kg	10/13/25 16:05	PB170067
67-72-1	Hexachloroethane	25.0	U	1	25.0	240	ug/Kg	10/13/25 16:05	PB170067
98-95-3	Nitrobenzene	26.0	U	1	26.0	240	ug/Kg	10/13/25 16:05	PB170067
78-59-1	Isophorone	46.6	U	1	46.6	240	ug/Kg	10/13/25 16:05	PB170067
88-75-5	2-Nitrophenol	82.7	U	1	82.7	240	ug/Kg	10/13/25 16:05	PB170067
105-67-9	2,4-Dimethylphenol	92.1	U	1	92.1	240	ug/Kg	10/13/25 16:05	PB170067
111-91-1	bis(2-Chloroethoxy)methane	43.8	U	1	43.8	240	ug/Kg	10/13/25 16:05	PB170067
120-83-2	2,4-Dichlorophenol	40.2	U	1	40.2	240	ug/Kg	10/13/25 16:05	PB170067
91-20-3	Naphthalene	32.3	U	1	32.3	240	ug/Kg	10/13/25 16:05	PB170067
106-47-8	4-Chloroaniline	50.3	U	1	50.3	240	ug/Kg	10/13/25 16:05	PB170067
87-68-3	Hexachlorobutadiene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
105-60-2	Caprolactam	74.0	U	1	74.0	470	ug/Kg	10/13/25 16:05	PB170067
59-50-7	4-Chloro-3-methylphenol	40.8	U	1	40.8	240	ug/Kg	10/13/25 16:05	PB170067
91-57-6	2-Methylnaphthalene	36.4	U	1	36.4	240	ug/Kg	10/13/25 16:05	PB170067
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	470	ug/Kg	10/13/25 16:05	PB170067
88-06-2	2,4,6-Trichlorophenol	28.1	U	1	28.1	240	ug/Kg	10/13/25 16:05	PB170067
95-95-4	2,4,5-Trichlorophenol	41.4	U	1	41.4	240	ug/Kg	10/13/25 16:05	PB170067
92-52-4	1,1-Biphenyl	31.0	U	1	31.0	240	ug/Kg	10/13/25 16:05	PB170067
91-58-7	2-Chloronaphthalene	32.0	U	1	32.0	240	ug/Kg	10/13/25 16:05	PB170067
88-74-4	2-Nitroaniline	68.4	U	1	68.4	240	ug/Kg	10/13/25 16:05	PB170067
131-11-3	Dimethylphthalate	38.5	U	1	38.5	240	ug/Kg	10/13/25 16:05	PB170067
208-96-8	Acenaphthylene	41.1	U	1	41.1	240	ug/Kg	10/13/25 16:05	PB170067
606-20-2	2,6-Dinitrotoluene	47.8	U	1	47.8	240	ug/Kg	10/13/25 16:05	PB170067
99-09-2	3-Nitroaniline	65.4	U	1	65.4	240	ug/Kg	10/13/25 16:05	PB170067
83-32-9	Acenaphthene	30.3	U	1	30.3	240	ug/Kg	10/13/25 16:05	PB170067
51-28-5	2,4-Dinitrophenol	330	U	1	330	470	ug/Kg	10/13/25 16:05	PB170067
100-02-7	4-Nitrophenol	150	U	1	150	470	ug/Kg	10/13/25 16:05	PB170067
132-64-9	Dibenzofuran	32.3	U	1	32.3	240	ug/Kg	10/13/25 16:05	PB170067
121-14-2	2,4-Dinitrotoluene	71.2	U	1	71.2	240	ug/Kg	10/13/25 16:05	PB170067
84-66-2	Diethylphthalate	40.2	U	1	40.2	240	ug/Kg	10/13/25 16:05	PB170067
7005-72-3	4-Chlorophenyl-phenylether	37.9	U	1	37.9	240	ug/Kg	10/13/25 16:05	PB170067
86-73-7	Fluorene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
100-01-6	4-Nitroaniline	91.2	U	1	91.2	240	ug/Kg	10/13/25 16:05	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	150	U	1	150	470	ug/Kg	10/13/25 16:05	PB170067

Raw Data: **BF143934.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	46.8	U	1	46.8	240	ug/Kg	10/13/25 16:05	PB170067
101-55-3	4-Bromophenyl-phenylether	39.5	U	1	39.5	240	ug/Kg	10/13/25 16:05	PB170067
118-74-1	Hexachlorobenzene	36.0	U	1	36.0	240	ug/Kg	10/13/25 16:05	PB170067
1912-24-9	Atrazine	48.3	U	1	48.3	240	ug/Kg	10/13/25 16:05	PB170067
87-86-5	Pentachlorophenol	72.9	U	1	72.9	470	ug/Kg	10/13/25 16:05	PB170067
85-01-8	Phenanthrene	29.7	U	1	29.7	240	ug/Kg	10/13/25 16:05	PB170067
120-12-7	Anthracene	47.3	U	1	47.3	240	ug/Kg	10/13/25 16:05	PB170067
86-74-8	Carbazole	44.3	U	1	44.3	240	ug/Kg	10/13/25 16:05	PB170067
84-74-2	Di-n-butylphthalate	68.1	U	1	68.1	240	ug/Kg	10/13/25 16:05	PB170067
206-44-0	Fluoranthene	110	J	1	42.6	240	ug/Kg	10/13/25 16:05	PB170067
129-00-0	Pyrene	110	J	1	51.2	240	ug/Kg	10/13/25 16:05	PB170067
85-68-7	Butylbenzylphthalate	100	U	1	100	240	ug/Kg	10/13/25 16:05	PB170067
91-94-1	3,3-Dichlorobenzidine	52.2	U	1	52.2	470	ug/Kg	10/13/25 16:05	PB170067
56-55-3	Benzo(a)anthracene	100	J	1	32.7	240	ug/Kg	10/13/25 16:05	PB170067
218-01-9	Chrysene	28.3	U	1	28.3	240	ug/Kg	10/13/25 16:05	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	84.1	U	1	84.1	240	ug/Kg	10/13/25 16:05	PB170067
117-84-0	Di-n-octyl phthalate	120	U	1	120	470	ug/Kg	10/13/25 16:05	PB170067
205-99-2	Benzo(b)fluoranthene	27.0	U	1	27.0	240	ug/Kg	10/13/25 16:05	PB170067
207-08-9	Benzo(k)fluoranthene	31.8	U	1	31.8	240	ug/Kg	10/13/25 16:05	PB170067
50-32-8	Benzo(a)pyrene	41.9	U	1	41.9	240	ug/Kg	10/13/25 16:05	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	41.4	U	1	41.4	240	ug/Kg	10/13/25 16:05	PB170067
53-70-3	Dibenzo(a,h)anthracene	38.9	U	1	38.9	240	ug/Kg	10/13/25 16:05	PB170067
191-24-2	Benzo(g,h,i)perylene	36.5	U	1	36.5	240	ug/Kg	10/13/25 16:05	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	36.4	U	1	36.4	240	ug/Kg	10/13/25 16:05	PB170067
123-91-1	1,4-Dioxane	64.2	U	1	64.2	240	ug/Kg	10/13/25 16:05	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	38.9	U	1	38.9	240	ug/Kg	10/13/25 16:05	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	87.8			18 - 112	59%	SPK: 150		
13127-88-3	Phenol-d6	88.6			15 - 107	59%	SPK: 150		
4165-60-0	Nitrobenzene-d5	58.2			18 - 107	58%	SPK: 100		
321-60-8	2-Fluorobiphenyl	52.0			20 - 109	52%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	79.9			10 - 116	53%	SPK: 150		
1718-51-0	Terphenyl-d14	39.0			10 - 105	39%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	113000							
1146-65-2	Naphthalene-d8	427000							
15067-26-2	Acenaphthene-d10	220000							
1517-22-2	Phenanthrene-d10	335000							
1719-03-5	Chrysene-d12	244000							
1520-96-3	Perylene-d12	312000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	350	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	460	J			11.9	ug/Kg		

Raw Data: **BF143934.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Time: Oct 13 17:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

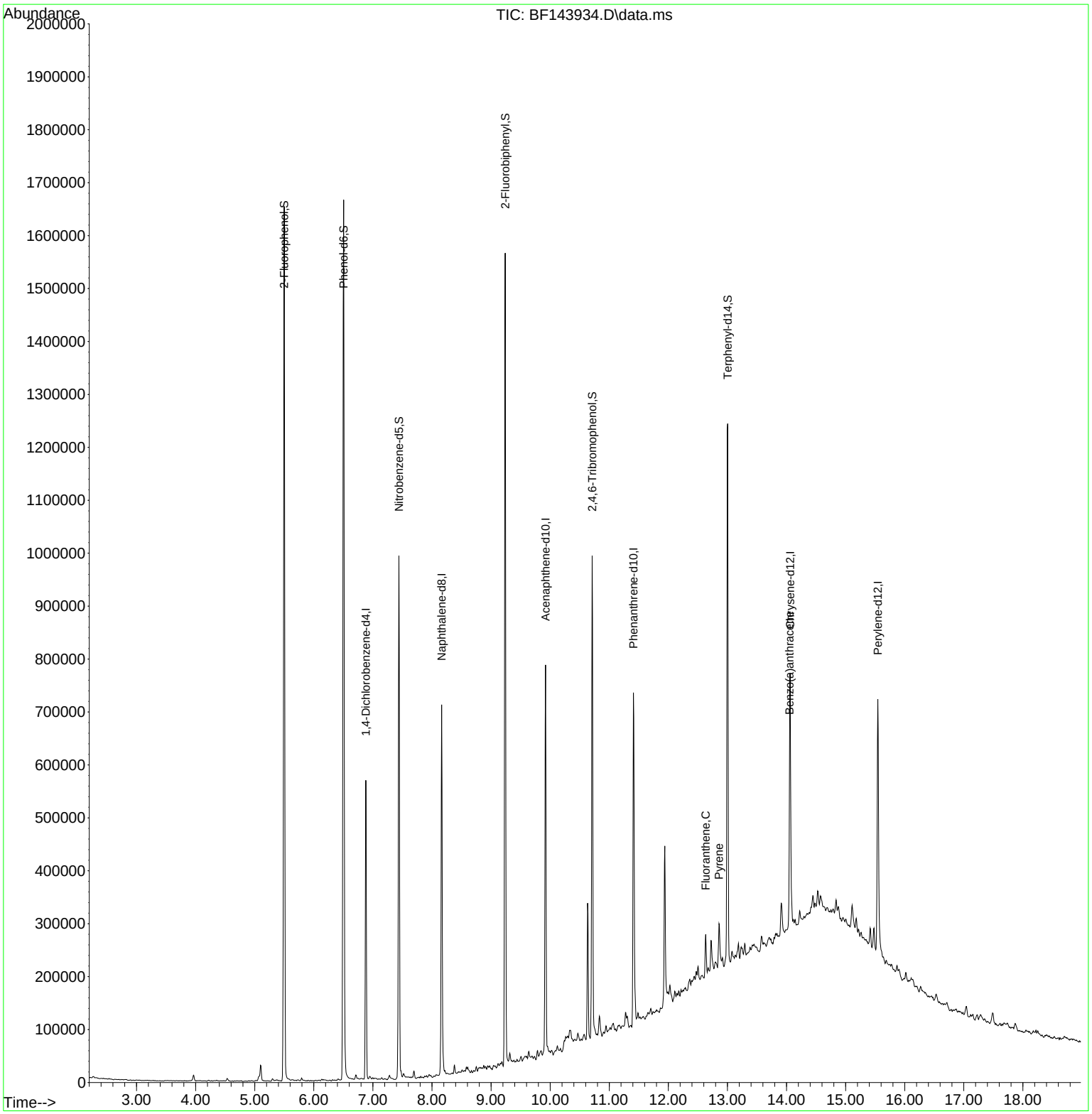
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	113226	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	427226	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	219740	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	335261	20.000	ng		0.00
76) Chrysene-d12	14.063	240	243631	20.000	ng		0.00
86) Perylene-d12	15.545	264	311711	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	626359	87.846	ng		0.00
7) Phenol-d6	6.504	99	752882	88.586	ng		-0.01
23) Nitrobenzene-d5	7.440	82	409132	58.182	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	174794	79.864	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	720409	52.021	ng		-0.01
79) Terphenyl-d14	13.004	244	555513	38.969	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	12.633	202	39857	2.374	ng		97
78) Pyrene	12.857	202	48664	2.396	ng		97
81) Benzo(a)anthracene	14.051	228	34031	2.134	ng	#	80

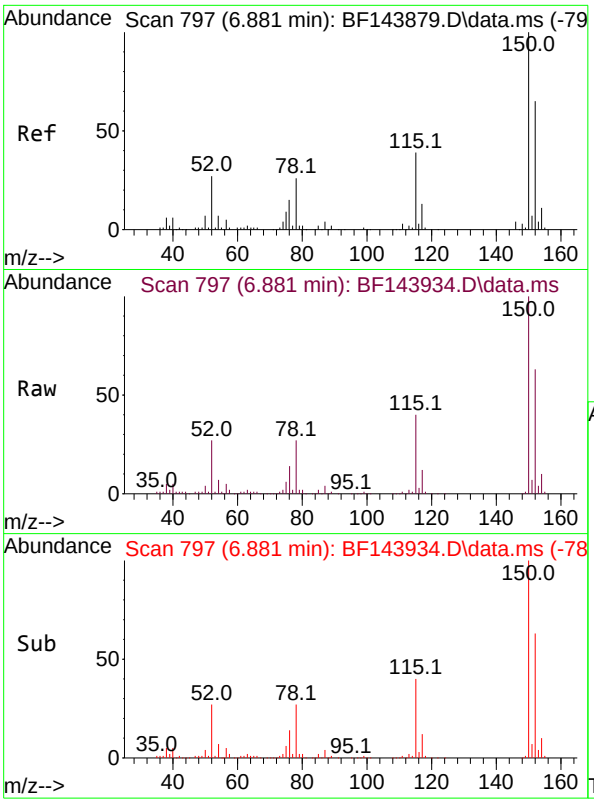
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Time: Oct 13 17:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



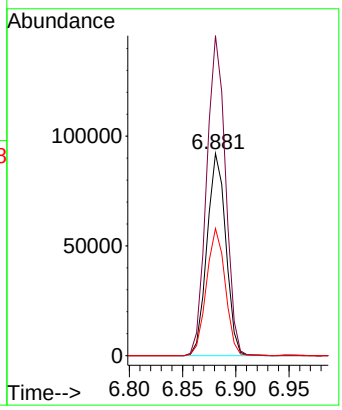


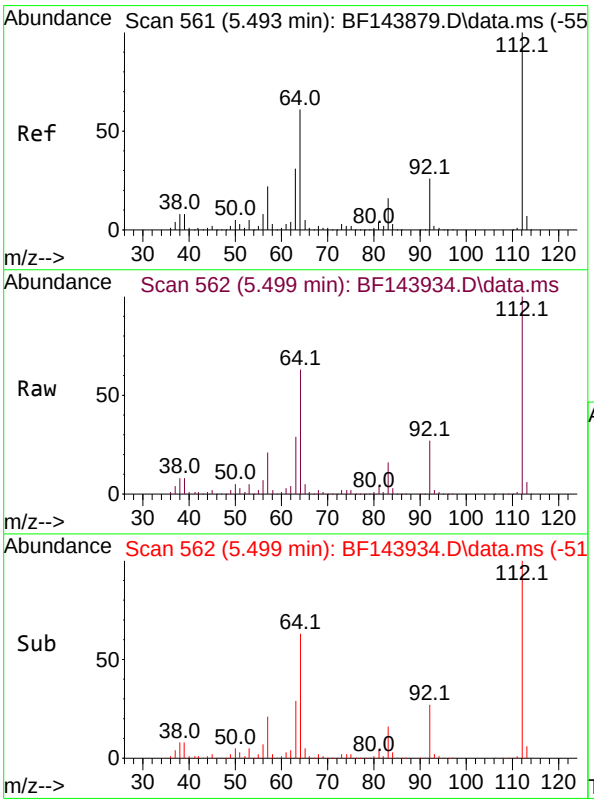
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:152 Resp: 113226

Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.4	186.6
115	62.8	48.1	72.1

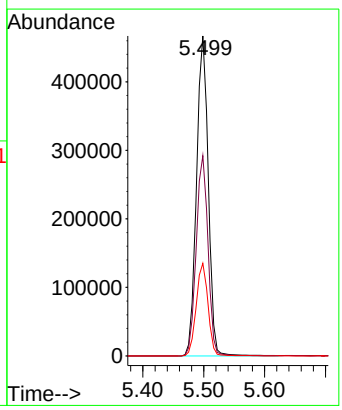


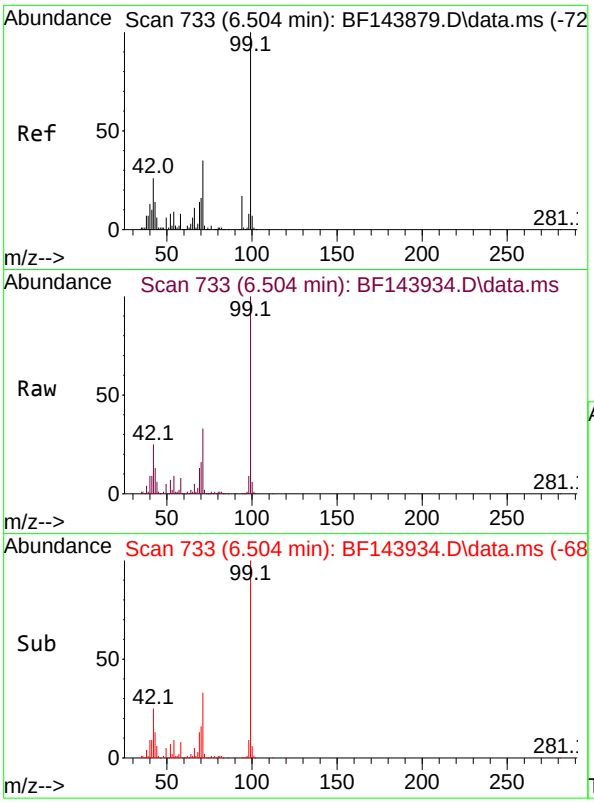


#5
2-Fluorophenol
Concen: 87.846 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:112 Resp: 626359

Ion	Ratio	Lower	Upper
112	100		
64	62.6	49.1	73.7
63	28.9	24.5	36.7



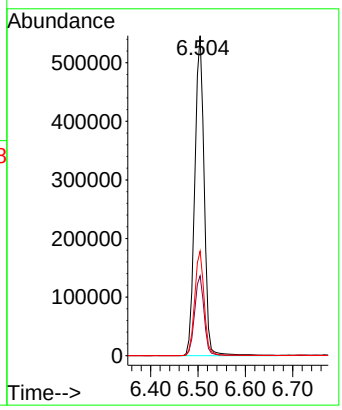


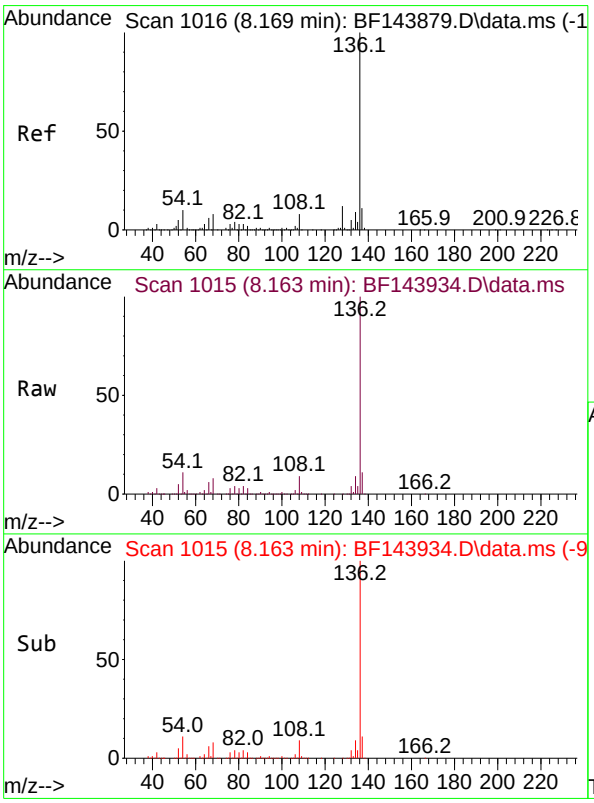
#7
Phenol-d6
Concen: 88.586 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion: 99 Resp: 752882

Ion	Ratio	Lower	Upper
99	100		
42	24.9	21.0	31.4
71	32.6	27.8	41.8

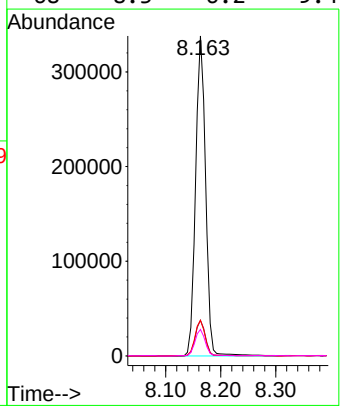


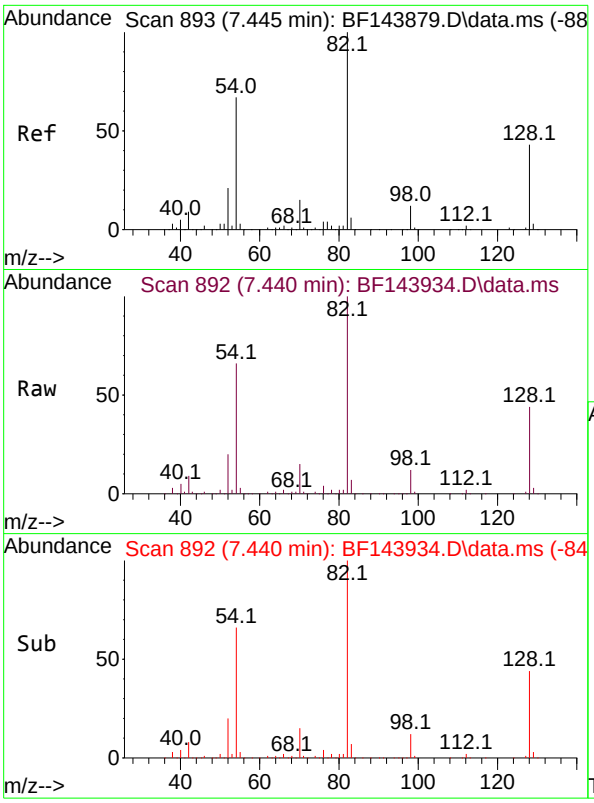


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:136 Resp: 427226

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.3	6.2	9.4



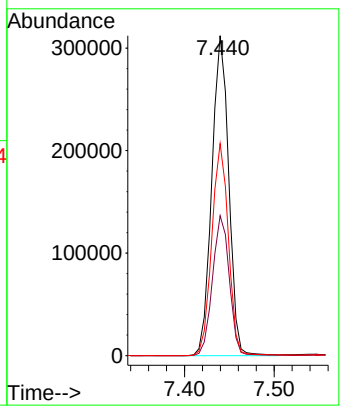


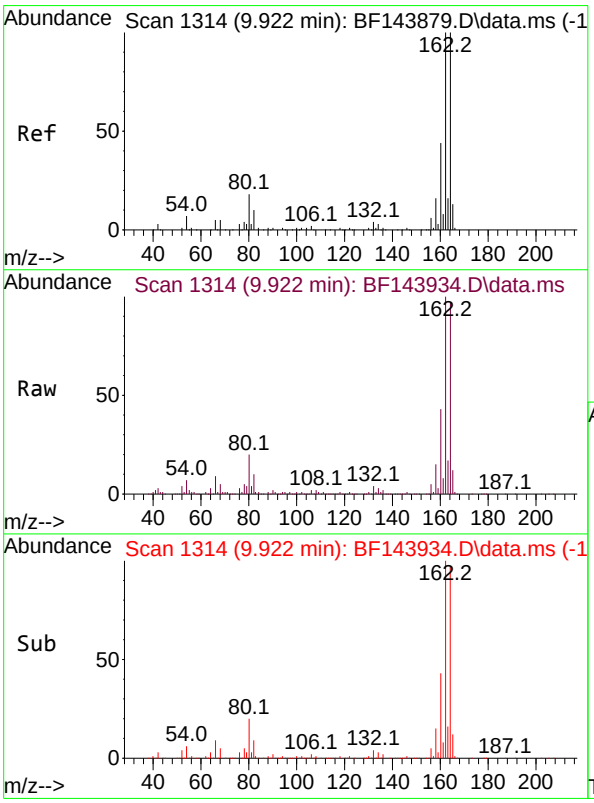
#23
Nitrobenzene-d5
Concen: 58.182 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion: 82 Resp: 409132

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	66.3	53.2	79.8

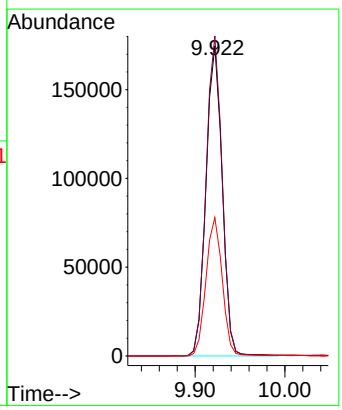


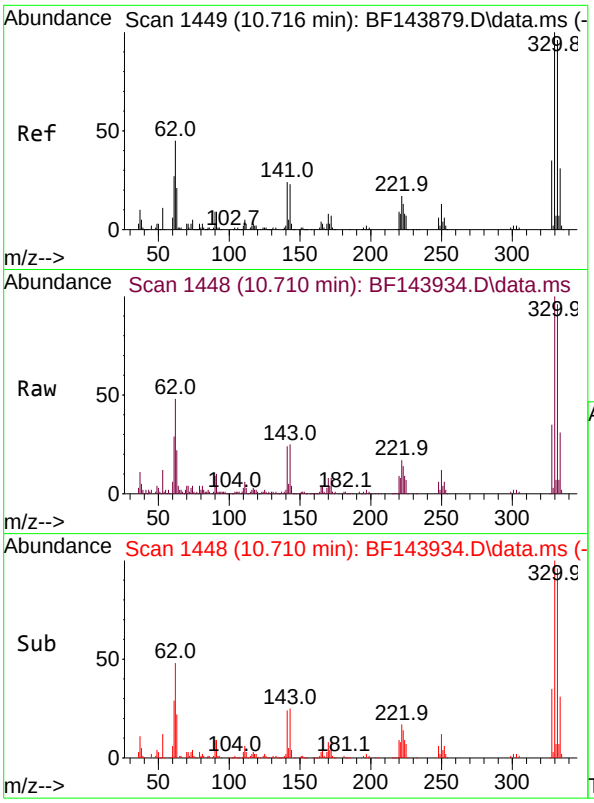


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:164 Resp: 219740

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.2
160	44.6	35.4	53.0



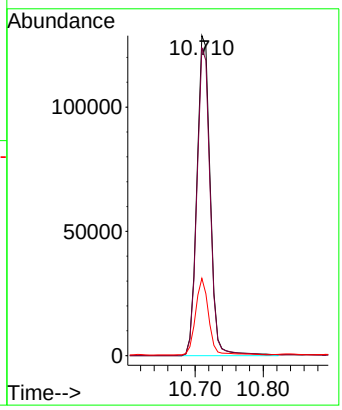


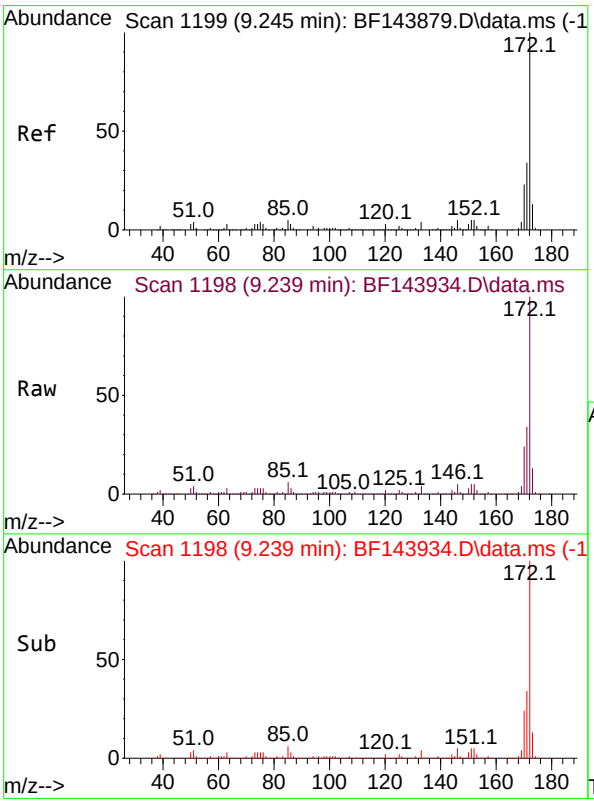
#42
2,4,6-Tribromophenol
Concen: 79.864 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:330 Resp: 174794

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.9	115.3
141	23.7	20.2	30.4

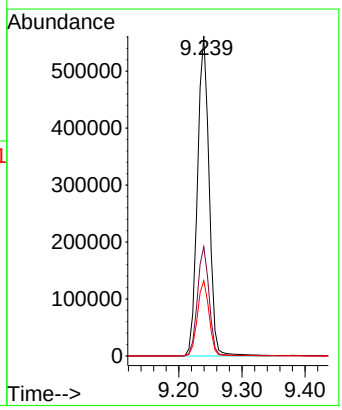


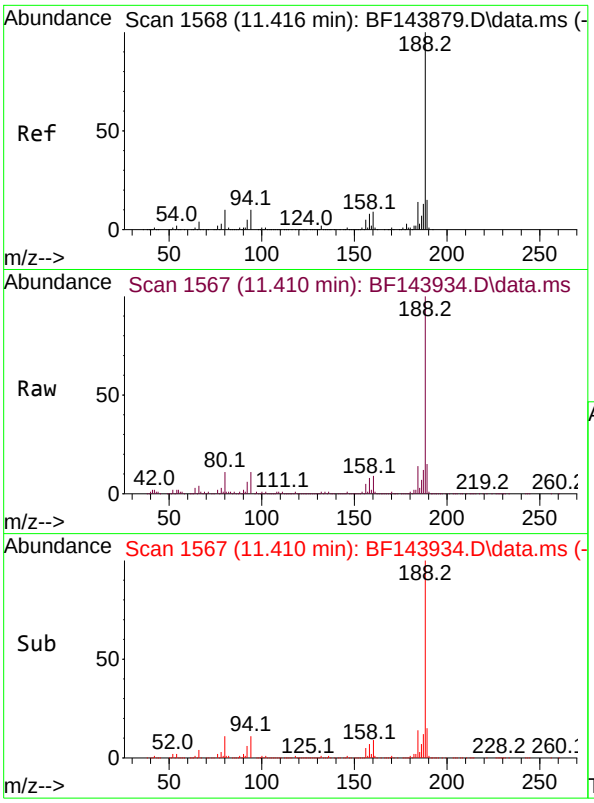


#45
2-Fluorobiphenyl
Concen: 52.021 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:172 Resp: 720409

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.4	41.0
170	23.5	18.6	28.0



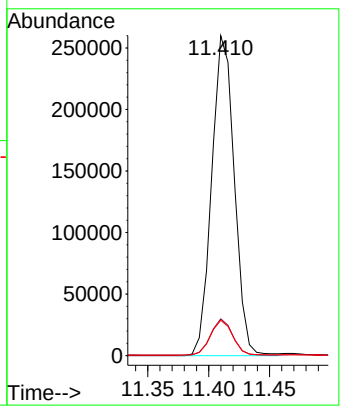


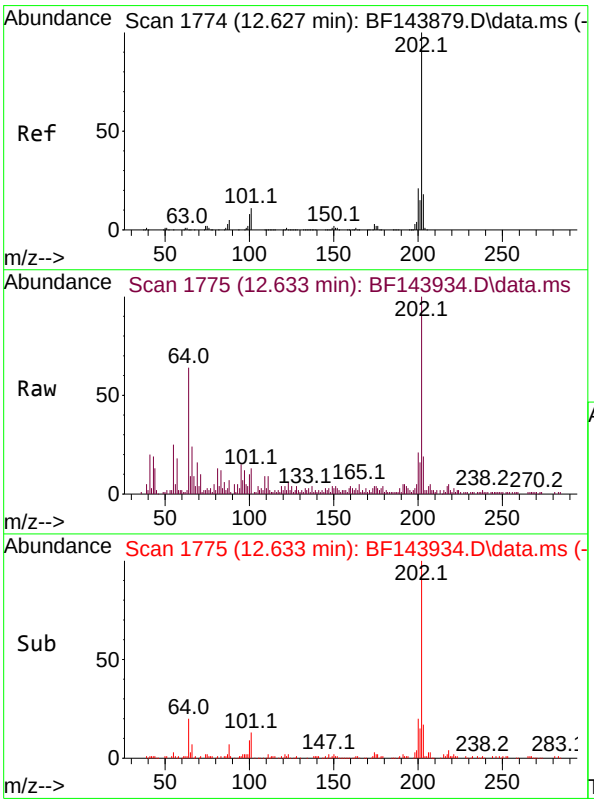
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:188 Resp: 335261

Ion	Ratio	Lower	Upper
188	100		
94	11.5	7.8	11.6
80	11.0	7.9	11.9

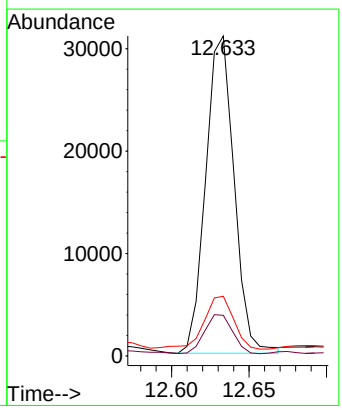


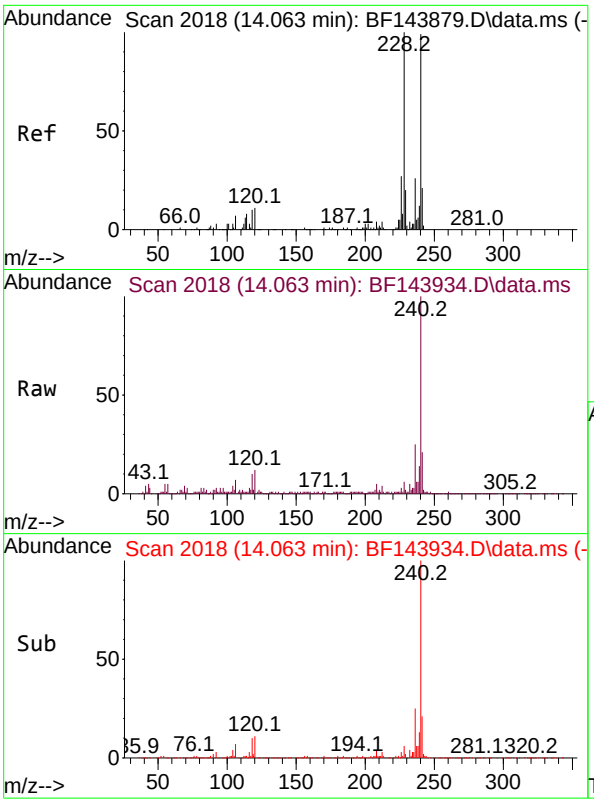


#75
Fluoranthene
Concen: 2.374 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:202 Resp: 39857

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	30.7
203	18.6	0.0	37.8



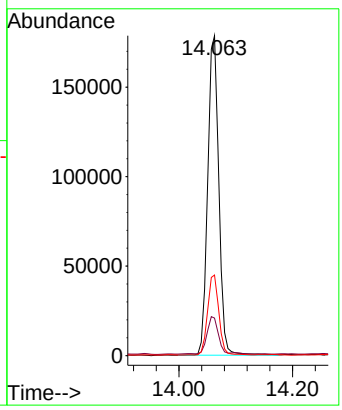


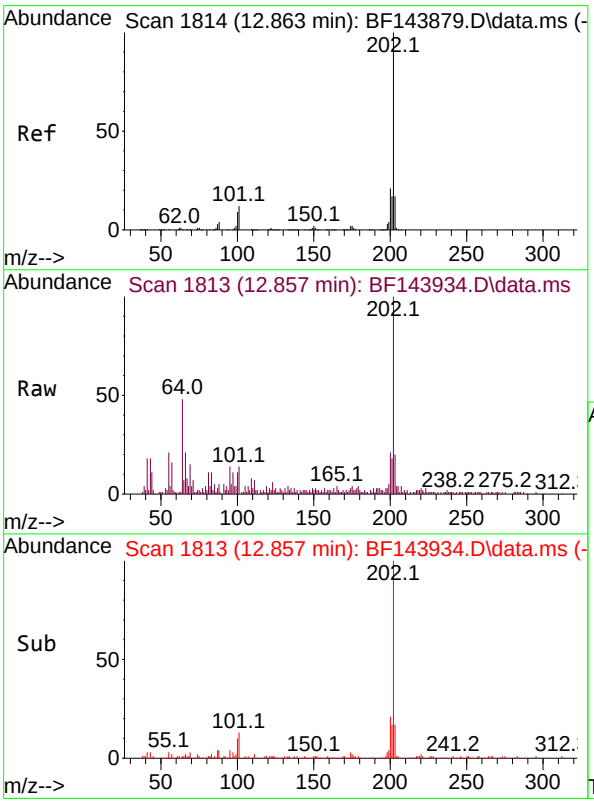
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:240 Resp: 243631

Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.6	13.0
236	25.2	21.1	31.7

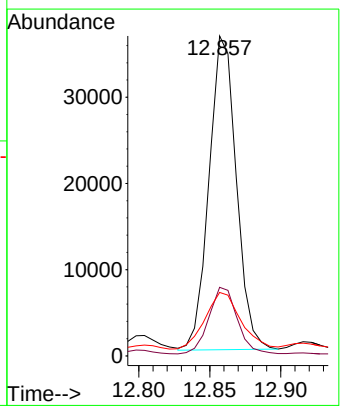


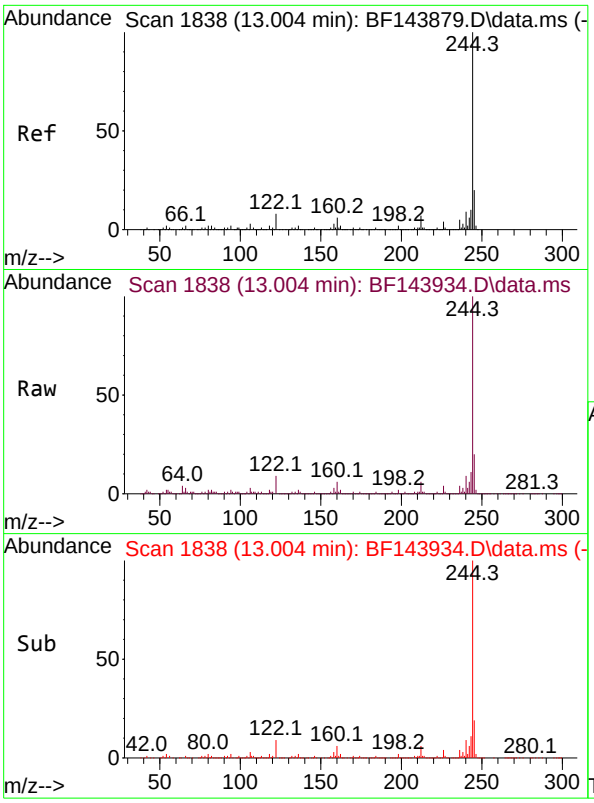


#78
Pyrene
Concen: 2.396 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:202 Resp: 48664

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	19.8	13.8	20.6



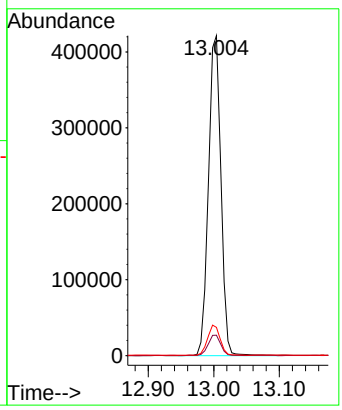


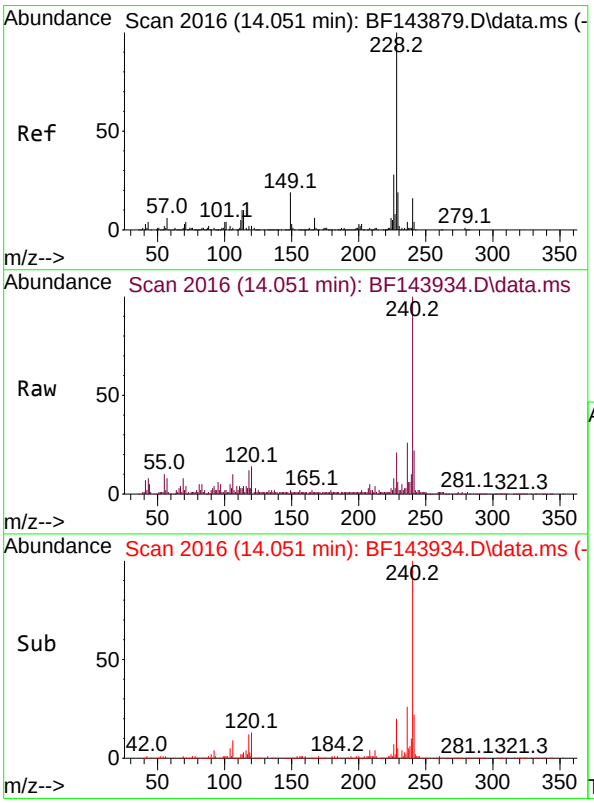
#79
Terphenyl-d14
Concen: 38.969 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:244 Resp: 555513

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.8	6.4	9.6

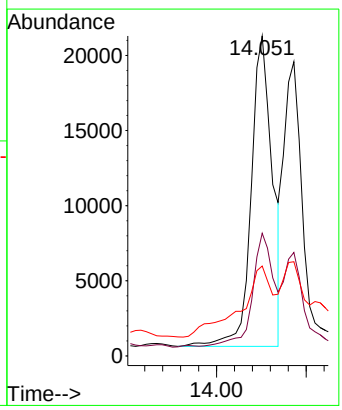


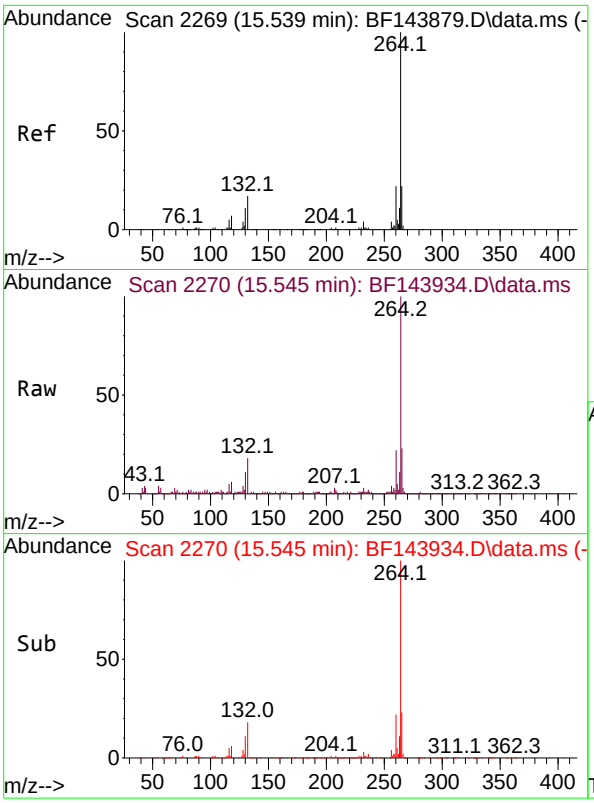


#81
Benzo(a)anthracene
Concen: 2.134 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Tgt Ion:228 Resp: 34031

Ion	Ratio	Lower	Upper
228	100		
226	38.3	22.2	33.2#
229	28.1	15.6	23.4#



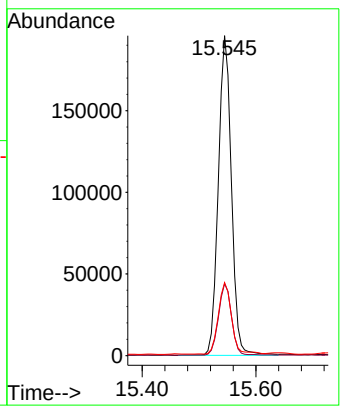


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143934.D
Acq: 13 Oct 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Tgt Ion:264 Resp: 311711

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.8	26.8
265	22.9	17.5	26.3



Sample Results: **BF143934.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.099	490	494	503	rVB	29462	48768	2.09%	0.294%
2	5.499	554	562	580	rBV	1652534	2223521	95.34%	13.389%
3	6.504	726	733	750	rBV	1662206	2332309	100.00%	14.044%
4	6.881	792	797	802	rBV	564392	691749	29.66%	4.165%
5	7.440	882	892	897	rBV	989181	1290867	55.35%	7.773%
6	8.163	1008	1015	1023	rBV	699759	927873	39.78%	5.587%
7	9.239	1192	1198	1203	rBV	1536034	1958841	83.99%	11.795%
8	9.316	1208	1211	1216	rVB2	15627	24365	1.04%	0.147%
9	9.787	1287	1291	1294	rBV3	16811	25135	1.08%	0.151%
10	9.922	1309	1314	1319	rBV	727177	909162	38.98%	5.474%
11	10.634	1431	1435	1442	rBV	256716	332172	14.24%	2.000%
12	10.710	1443	1448	1460	rBV	911004	1237329	53.05%	7.450%
13	10.834	1466	1469	1477	rVB4	37767	67781	2.91%	0.408%
14	11.410	1562	1567	1575	rBV	631785	899902	38.58%	5.419%
15	11.939	1652	1657	1664	rBV	295018	436709	18.72%	2.630%
16	12.633	1772	1775	1779	rVB	71813	85990	3.69%	0.518%
17	12.722	1788	1790	1798	rVB3	53395	81334	3.49%	0.490%
18	12.857	1810	1813	1820	rBV	72843	110119	4.72%	0.663%
19	13.004	1833	1838	1846	rVB	1017109	1368153	58.66%	8.238%
20	14.063	2013	2018	2025	rVB	468419	698394	29.94%	4.205%
21	15.545	2265	2270	2284	rVB	487400	857148	36.75%	5.161%

Sum of corrected areas: 16607621

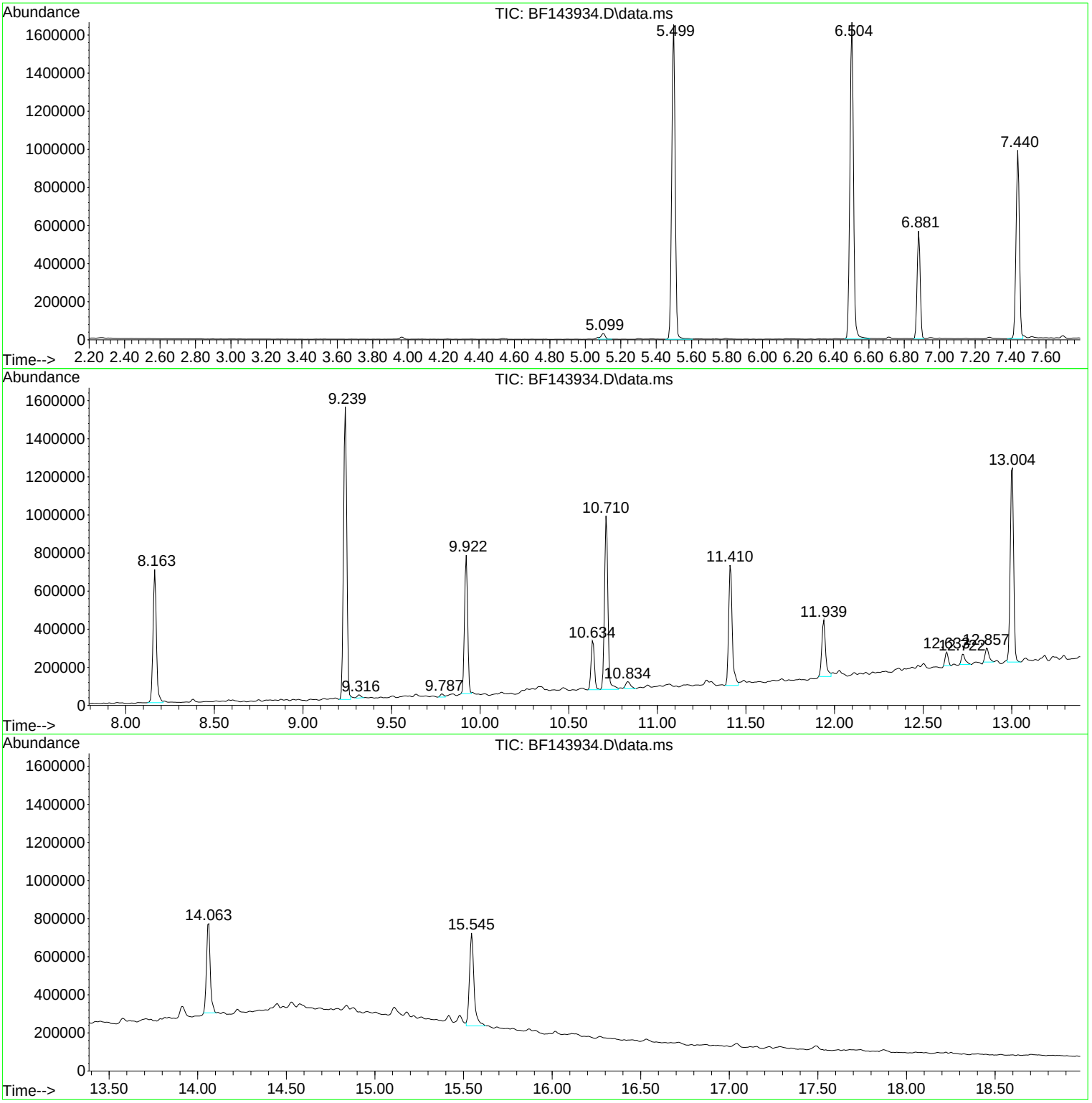
Sample Results: **BF143934.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF143934.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

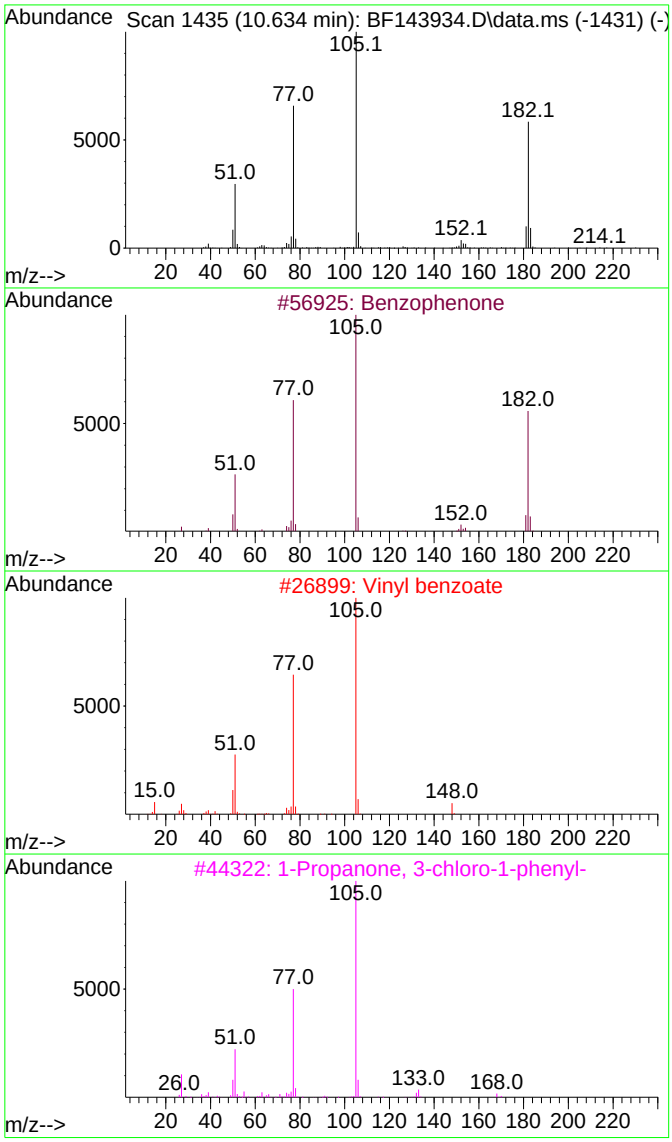
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

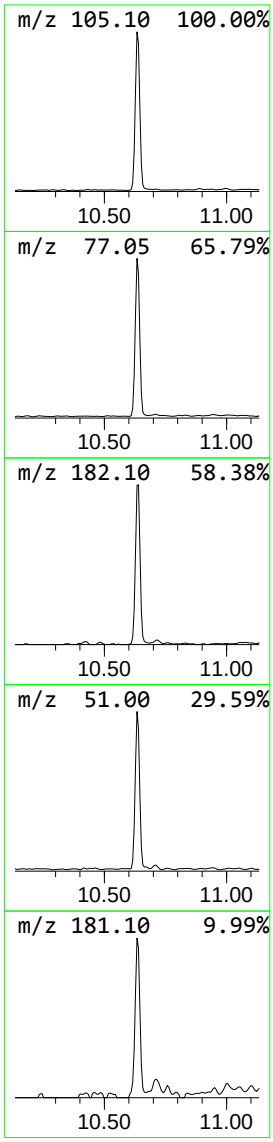
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	7.31 ng	332172	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Vinyl benzoate	148	C9H8O2	000769-78-8	43
3	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43
4	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	43
5	Ethanedione, diphenyl-	210	C14H10O2	000134-81-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

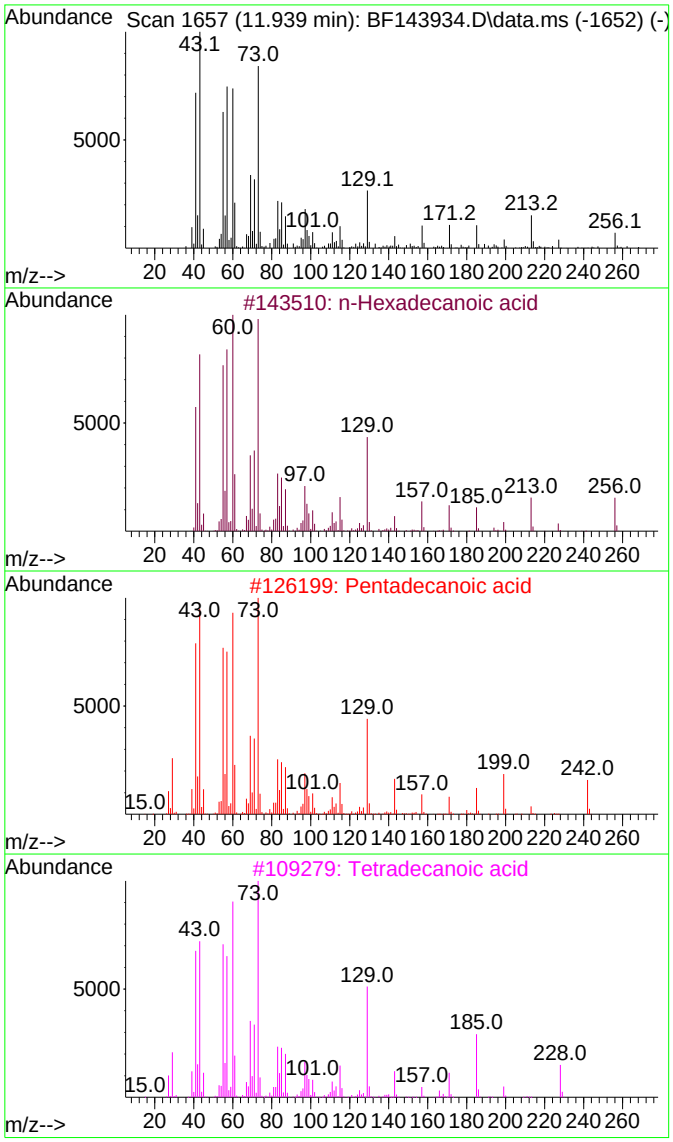
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

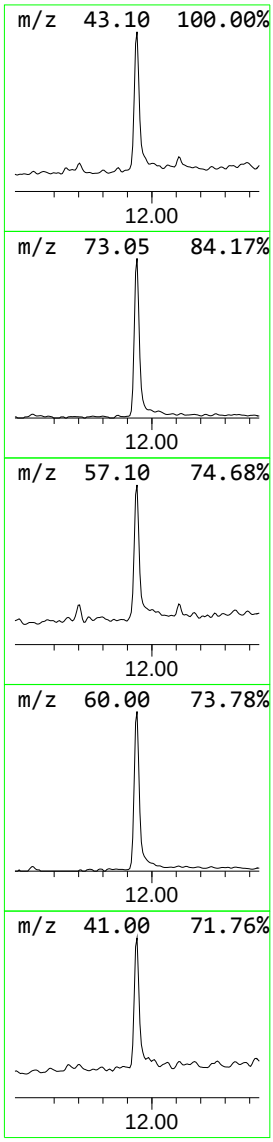
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	9.71 ng	436709	Phenanthrene-d10	11.410

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	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Dodecanoic acid	200	C12H24O2	000143-07-7	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	74





Sample Results: **BF143934.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143934.D
Acq On : 13 Oct 2025 16:05
Operator : RC/JU
Sample : Q3323-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.634	7.3	ng	332172	3	9.922	909162	20.0
n-Hexadecanoic ...	11.939	9.7	ng	436709	4	11.410	899902	20.0

Raw Data: **BF143940.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-05-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	77.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	200	U	1	200	430	ug/Kg	10/13/25 18:58	PB170067
108-95-2	Phenol	28.5	U	1	28.5	220	ug/Kg	10/13/25 18:58	PB170067
111-44-4	bis(2-Chloroethyl)ether	31.4	U	1	31.4	220	ug/Kg	10/13/25 18:58	PB170067
95-57-8	2-Chlorophenol	31.5	U	1	31.5	220	ug/Kg	10/13/25 18:58	PB170067
95-48-7	2-Methylphenol	38.6	U	1	38.6	220	ug/Kg	10/13/25 18:58	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	48.4	U	1	48.4	220	ug/Kg	10/13/25 18:58	PB170067
98-86-2	Acetophenone	38.1	U	1	38.1	220	ug/Kg	10/13/25 18:58	PB170067
65794-96-9	3+4-Methylphenols	53.0	U	1	53.0	430	ug/Kg	10/13/25 18:58	PB170067
621-64-7	n-Nitroso-di-n-propylamine	61.2	U	1	61.2	100	ug/Kg	10/13/25 18:58	PB170067
67-72-1	Hexachloroethane	22.7	U	1	22.7	220	ug/Kg	10/13/25 18:58	PB170067
98-95-3	Nitrobenzene	23.6	U	1	23.6	220	ug/Kg	10/13/25 18:58	PB170067
78-59-1	Isophorone	42.3	U	1	42.3	220	ug/Kg	10/13/25 18:58	PB170067
88-75-5	2-Nitrophenol	75.1	U	1	75.1	220	ug/Kg	10/13/25 18:58	PB170067
105-67-9	2,4-Dimethylphenol	83.6	U	1	83.6	220	ug/Kg	10/13/25 18:58	PB170067
111-91-1	bis(2-Chloroethoxy)methane	39.7	U	1	39.7	220	ug/Kg	10/13/25 18:58	PB170067
120-83-2	2,4-Dichlorophenol	36.5	U	1	36.5	220	ug/Kg	10/13/25 18:58	PB170067
91-20-3	Naphthalene	490		1	29.3	220	ug/Kg	10/13/25 18:58	PB170067
106-47-8	4-Chloroaniline	45.7	U	1	45.7	220	ug/Kg	10/13/25 18:58	PB170067
87-68-3	Hexachlorobutadiene	32.6	U	1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
105-60-2	Caprolactam	67.2	U	1	67.2	430	ug/Kg	10/13/25 18:58	PB170067
59-50-7	4-Chloro-3-methylphenol	37.0	U	1	37.0	220	ug/Kg	10/13/25 18:58	PB170067
91-57-6	2-Methylnaphthalene	130	J	1	33.0	220	ug/Kg	10/13/25 18:58	PB170067
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	430	ug/Kg	10/13/25 18:58	PB170067
88-06-2	2,4,6-Trichlorophenol	25.5	U	1	25.5	220	ug/Kg	10/13/25 18:58	PB170067
95-95-4	2,4,5-Trichlorophenol	37.5	U	1	37.5	220	ug/Kg	10/13/25 18:58	PB170067
92-52-4	1,1-Biphenyl	28.1	U	1	28.1	220	ug/Kg	10/13/25 18:58	PB170067
91-58-7	2-Chloronaphthalene	29.0	U	1	29.0	220	ug/Kg	10/13/25 18:58	PB170067
88-74-4	2-Nitroaniline	62.1	U	1	62.1	220	ug/Kg	10/13/25 18:58	PB170067
131-11-3	Dimethylphthalate	35.0	U	1	35.0	220	ug/Kg	10/13/25 18:58	PB170067
208-96-8	Acenaphthylene	37.3	U	1	37.3	220	ug/Kg	10/13/25 18:58	PB170067
606-20-2	2,6-Dinitrotoluene	43.4	U	1	43.4	220	ug/Kg	10/13/25 18:58	PB170067
99-09-2	3-Nitroaniline	59.4	U	1	59.4	220	ug/Kg	10/13/25 18:58	PB170067
83-32-9	Acenaphthene	300		1	27.5	220	ug/Kg	10/13/25 18:58	PB170067
51-28-5	2,4-Dinitrophenol	300	U	1	300	430	ug/Kg	10/13/25 18:58	PB170067
100-02-7	4-Nitrophenol	140	U	1	140	430	ug/Kg	10/13/25 18:58	PB170067
132-64-9	Dibenzofuran	230		1	29.3	220	ug/Kg	10/13/25 18:58	PB170067
121-14-2	2,4-Dinitrotoluene	64.6	U	1	64.6	220	ug/Kg	10/13/25 18:58	PB170067
84-66-2	Diethylphthalate	36.5	U	1	36.5	220	ug/Kg	10/13/25 18:58	PB170067
7005-72-3	4-Chlorophenyl-phenylether	34.5	U	1	34.5	220	ug/Kg	10/13/25 18:58	PB170067
86-73-7	Fluorene	230		1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
100-01-6	4-Nitroaniline	82.8	U	1	82.8	220	ug/Kg	10/13/25 18:58	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	430	ug/Kg	10/13/25 18:58	PB170067

Raw Data: **BF143940.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-05-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	77.4
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.4	U	1	42.4	220	ug/Kg	10/13/25 18:58	PB170067
101-55-3	4-Bromophenyl-phenylether	35.9	U	1	35.9	220	ug/Kg	10/13/25 18:58	PB170067
118-74-1	Hexachlorobenzene	32.6	U	1	32.6	220	ug/Kg	10/13/25 18:58	PB170067
1912-24-9	Atrazine	43.9	U	1	43.9	220	ug/Kg	10/13/25 18:58	PB170067
87-86-5	Pentachlorophenol	66.2	U	1	66.2	430	ug/Kg	10/13/25 18:58	PB170067
85-01-8	Phenanthrene	1800		1	27.0	220	ug/Kg	10/13/25 18:58	PB170067
120-12-7	Anthracene	410		1	43.0	220	ug/Kg	10/13/25 18:58	PB170067
86-74-8	Carbazole	150	J	1	40.3	220	ug/Kg	10/13/25 18:58	PB170067
84-74-2	Di-n-butylphthalate	61.8	U	1	61.8	220	ug/Kg	10/13/25 18:58	PB170067
206-44-0	Fluoranthene	1500		1	38.7	220	ug/Kg	10/13/25 18:58	PB170067
129-00-0	Pyrene	900		1	46.4	220	ug/Kg	10/13/25 18:58	PB170067
85-68-7	Butylbenzylphthalate	92.1	U	1	92.1	220	ug/Kg	10/13/25 18:58	PB170067
91-94-1	3,3-Dichlorobenzidine	47.4	U	1	47.4	430	ug/Kg	10/13/25 18:58	PB170067
56-55-3	Benzo(a)anthracene	570		1	29.7	220	ug/Kg	10/13/25 18:58	PB170067
218-01-9	Chrysene	520		1	25.7	220	ug/Kg	10/13/25 18:58	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	76.4	U	1	76.4	220	ug/Kg	10/13/25 18:58	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	430	ug/Kg	10/13/25 18:58	PB170067
205-99-2	Benzo(b)fluoranthene	500		1	24.5	220	ug/Kg	10/13/25 18:58	PB170067
207-08-9	Benzo(k)fluoranthene	170	J	1	28.9	220	ug/Kg	10/13/25 18:58	PB170067
50-32-8	Benzo(a)pyrene	450		1	38.1	220	ug/Kg	10/13/25 18:58	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	1	37.5	220	ug/Kg	10/13/25 18:58	PB170067
53-70-3	Dibenzo(a,h)anthracene	35.4	U	1	35.4	220	ug/Kg	10/13/25 18:58	PB170067
191-24-2	Benzo(g,h,i)perylene	190	J	1	33.2	220	ug/Kg	10/13/25 18:58	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	33.0	U	1	33.0	220	ug/Kg	10/13/25 18:58	PB170067
123-91-1	1,4-Dioxane	58.3	U	1	58.3	220	ug/Kg	10/13/25 18:58	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	35.4	U	1	35.4	220	ug/Kg	10/13/25 18:58	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	74.7			18 - 112	50%	SPK: 150		
13127-88-3	Phenol-d6	72.6			15 - 107	48%	SPK: 150		
4165-60-0	Nitrobenzene-d5	50.0			18 - 107	50%	SPK: 100		
321-60-8	2-Fluorobiphenyl	45.9			20 - 109	46%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	56.4			10 - 116	38%	SPK: 150		
1718-51-0	Terphenyl-d14	27.7			10 - 105	28%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	108000							
1146-65-2	Naphthalene-d8	379000							
15067-26-2	Acenaphthene-d10	181000							
1517-22-2	Phenanthrene-d10	250000							
1719-03-5	Chrysene-d12	234000							
1520-96-3	Perylene-d12	306000							
TENTATIVE IDENTIFIED COMPOUNDS									
90-12-0	1-Methylnaphthalene	110	J			8.97	ug/Kg		
000119-61-9	Benzophenone	280	J			10.6	ug/Kg		

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace			Date Received:	10/09/25
Client Sample ID:	SED-05-0-2			SDG No.:	Q3323
Lab Sample ID:	Q3323-05			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	77.4
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000132-65-0	Dibenzothiophene	160	J			11.3	ug/Kg		
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9	620	J			11.9	ug/Kg		
002531-84-2	Phenanthrene, 2-methyl-	110	J			12.0	ug/Kg		
000203-64-5	4H-Cyclopenta[def]phenanthrene	370	J			12.0	ug/Kg		
000612-94-2	Naphthalene, 2-phenyl-	150	J			12.2	ug/Kg		
000238-84-6	11H-Benzo[a]fluorene	86.4	J			13.2	ug/Kg		
000192-97-2	Benzo[e]pyrene	240	J			15.4	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\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Time: Oct 14 01:30:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

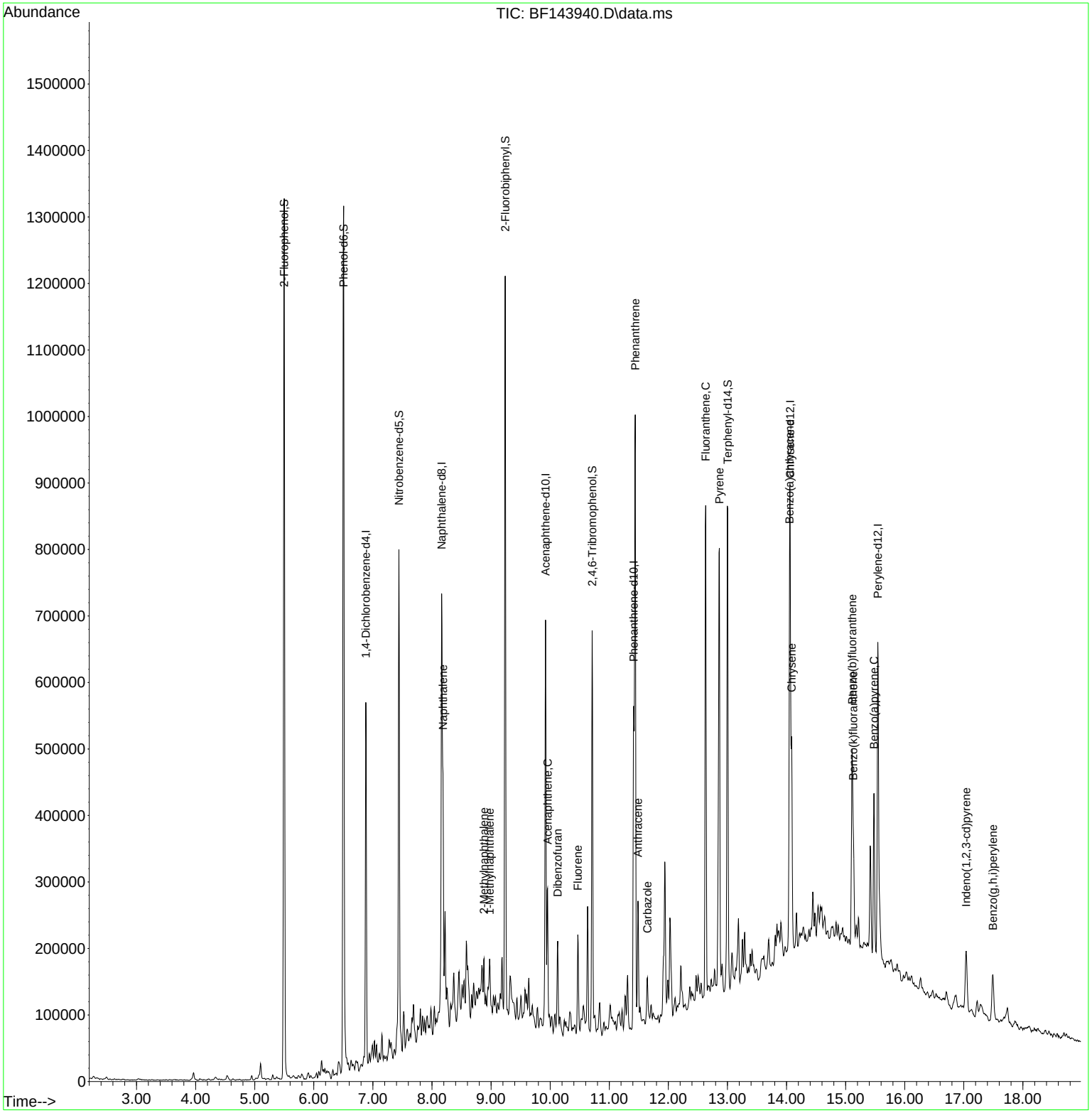
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	107651	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	379182	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	180774	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	249842	20.000	ng		0.00
76) Chrysene-d12	14.063	240	234306	20.000	ng		0.00
86) Perylene-d12	15.545	264	306494	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	506632	74.735	ng		0.00
7) Phenol-d6	6.504	99	586402	72.571	ng		-0.01
23) Nitrobenzene-d5	7.439	82	311747	49.950	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	101548	56.398	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	522699	45.880	ng		-0.01
79) Terphenyl-d14	13.004	244	379521	27.683	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.186	128	196848	11.412	ng		99
37) 2-Methylnaphthalene	8.881	142	35334	3.075	ng		93
38) 1-Methylnaphthalene	8.975	142	29223	2.622	ng		100
52) Acenaphthene	9.957	154	64979	7.068	ng		99
55) Dibenzofuran	10.127	168	69044	5.321	ng		96
58) Fluorene	10.469	166	52154	5.326	ng		97
71) Phenanthrene	11.439	178	505316	41.719	ng		99
72) Anthracene	11.486	178	116964	9.559	ng		98
73) Carbazole	11.645	167	38996	3.598	ng		99
75) Fluoranthene	12.633	202	437193	34.944	ng		99
78) Pyrene	12.863	202	409759	20.977	ng		99
81) Benzo(a)anthracene	14.051	228	201601	13.148	ng		97
83) Chrysene	14.086	228	170576	12.020	ng		98
87) Indeno(1,2,3-cd)pyrene	17.039	276	70144	3.735	ng		97
88) Benzo(b)fluoranthene	15.110	252	205033m	11.646	ng		
89) Benzo(k)fluoranthene	15.127	252	63764m	3.914	ng		
90) Benzo(a)pyrene	15.480	252	160121	10.489	ng	#	96
92) Benzo(g,h,i)perylene	17.492	276	68104	4.509	ng	#	95

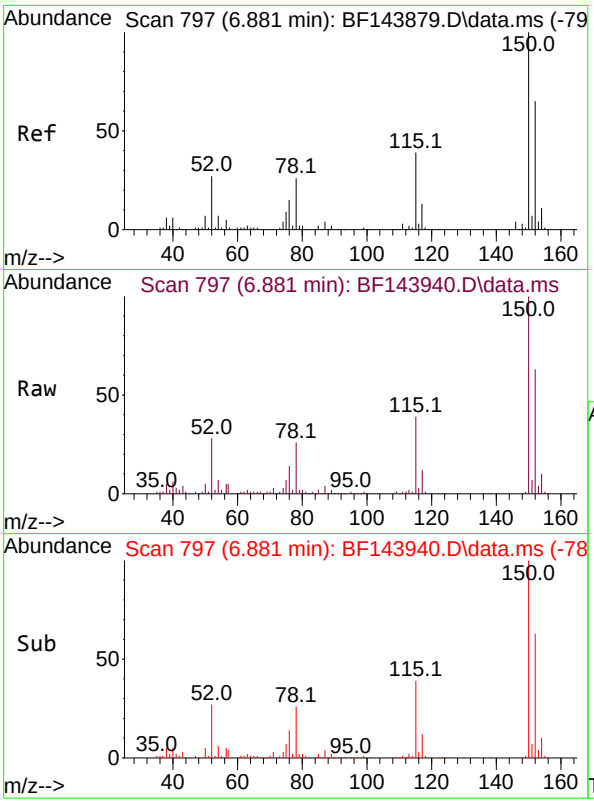
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Time: Oct 14 01:30:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



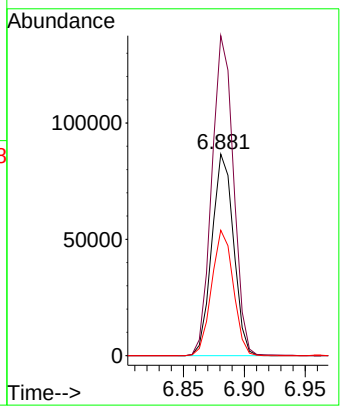


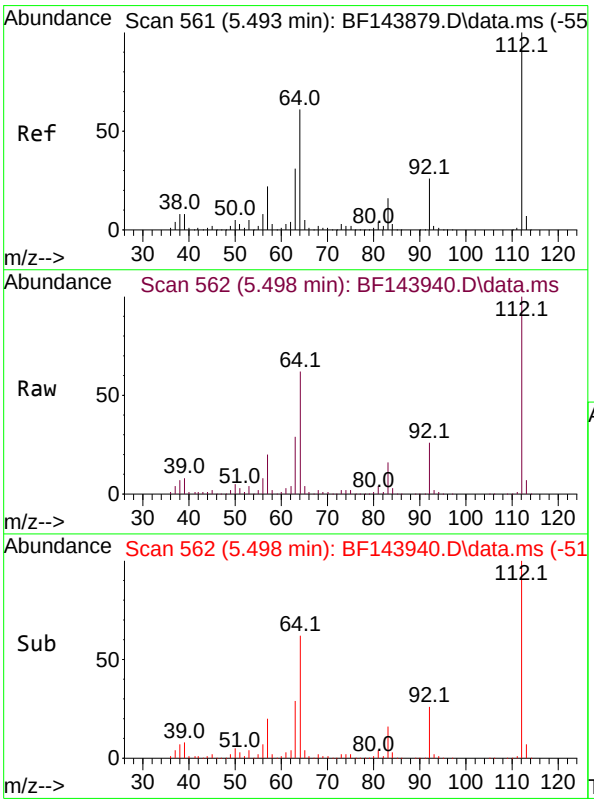
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:152 Resp: 107651

Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.4	186.6
115	62.2	48.1	72.1

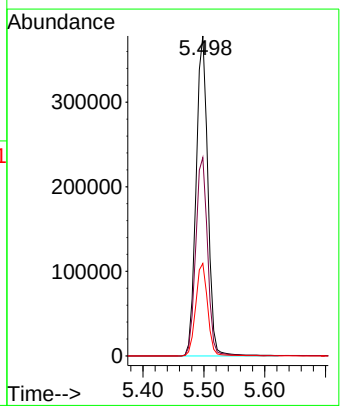


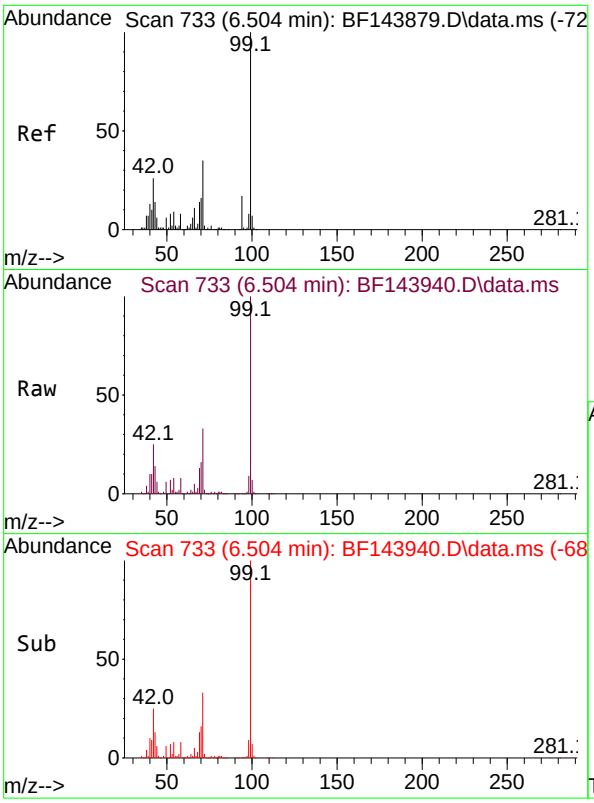


#5
2-Fluorophenol
Concen: 74.735 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:112 Resp: 506632

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.1	73.7
63	28.9	24.5	36.7



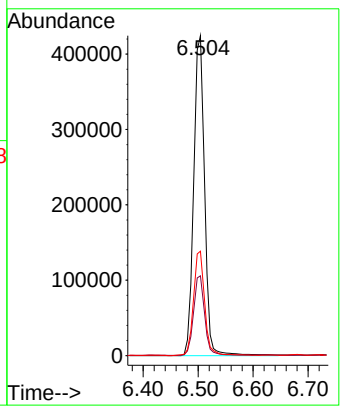


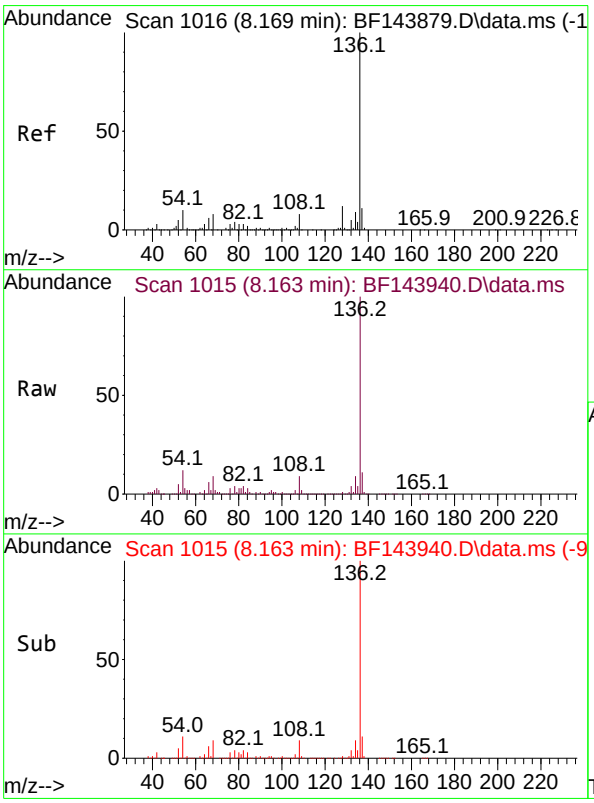
#7
Phenol-d6
Concen: 72.571 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion: 99 Resp: 586402

Ion	Ratio	Lower	Upper
99	100		
42	24.9	21.0	31.4
71	32.6	27.8	41.8

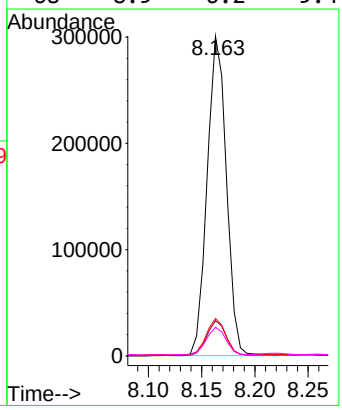


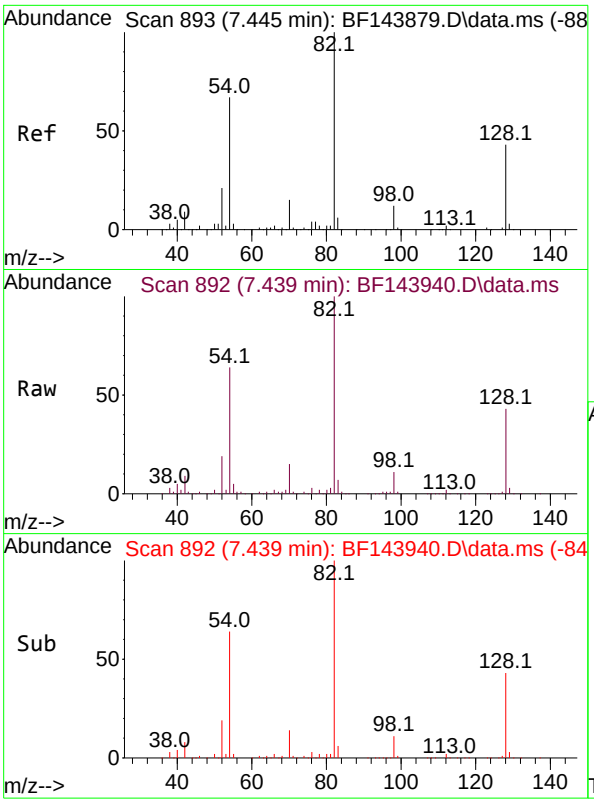


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:136 Resp: 379182

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.7	8.2	12.4
68	8.9	6.2	9.4



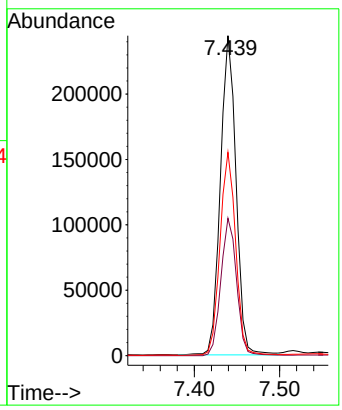


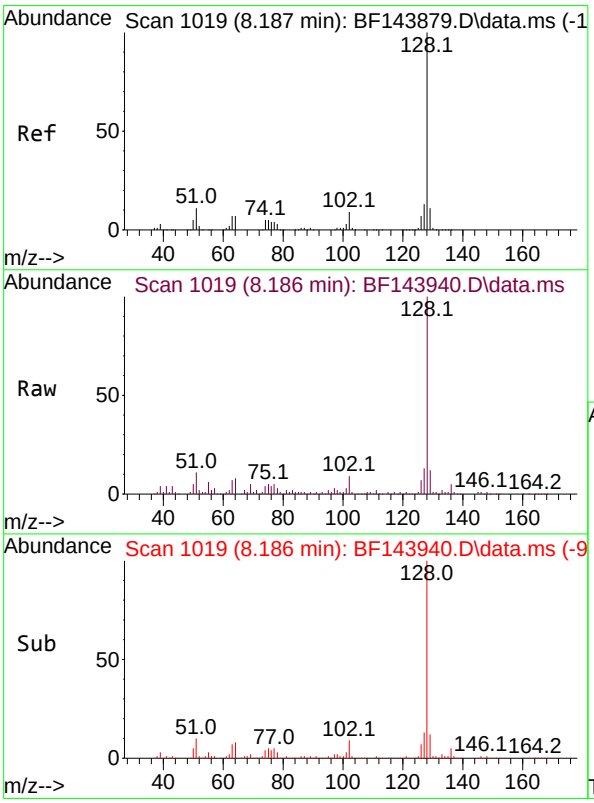
#23
Nitrobenzene-d5
Concen: 49.950 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion: 82 Resp: 311747

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	63.5	53.2	79.8

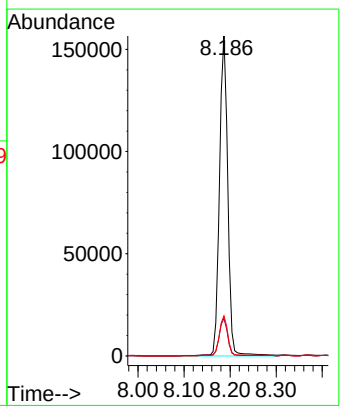


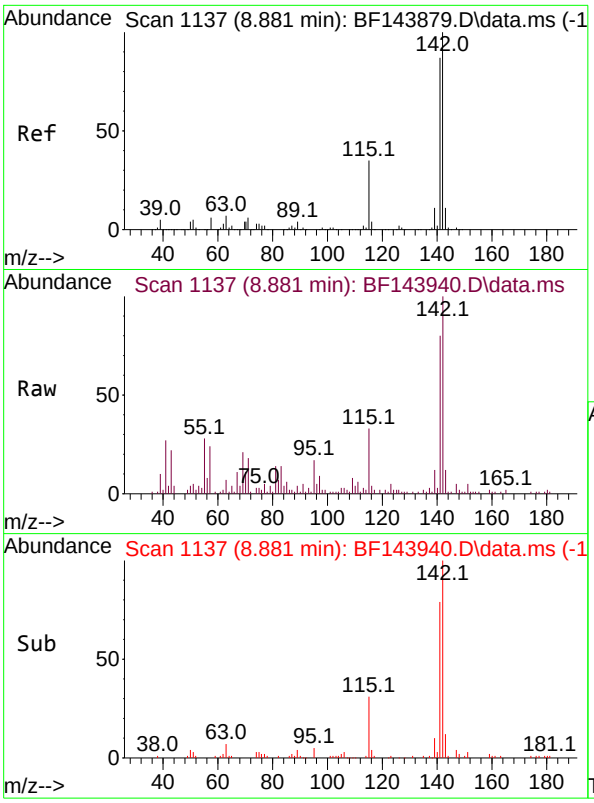


#31
Naphthalene
Concen: 11.412 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:128 Resp: 196848

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.7	13.1
127	12.5	10.0	15.0



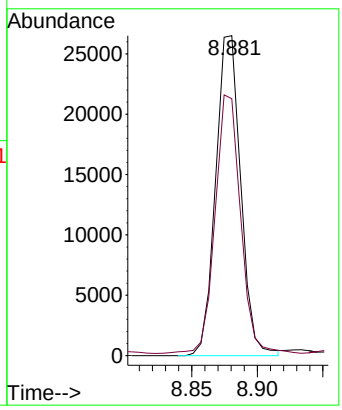


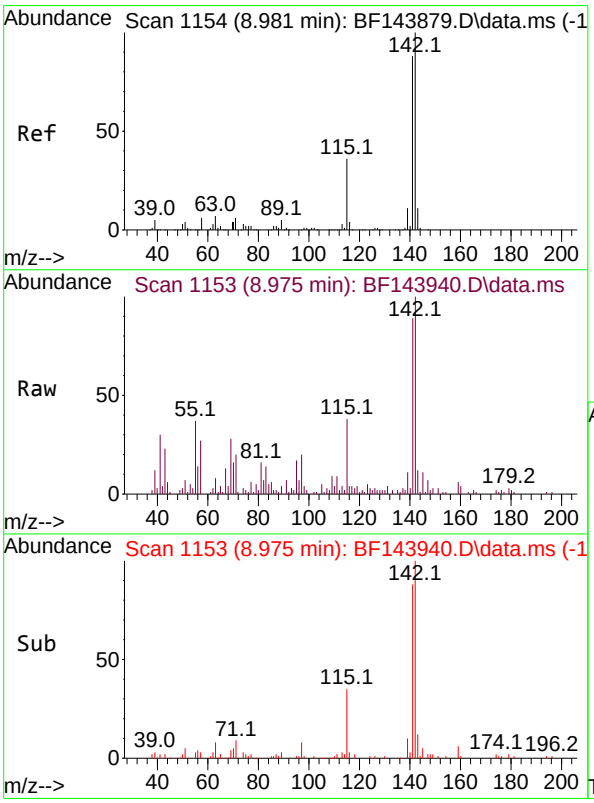
#37
2-Methylnaphthalene
Concen: 3.075 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:142 Resp: 35334

Ion	Ratio	Lower	Upper
142	100		
141	80.3	69.2	103.8

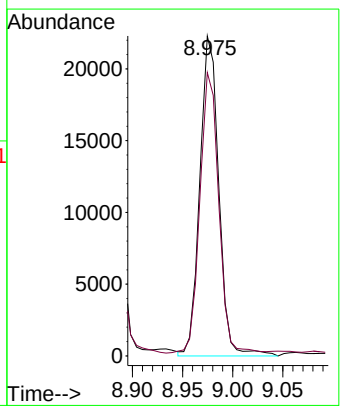


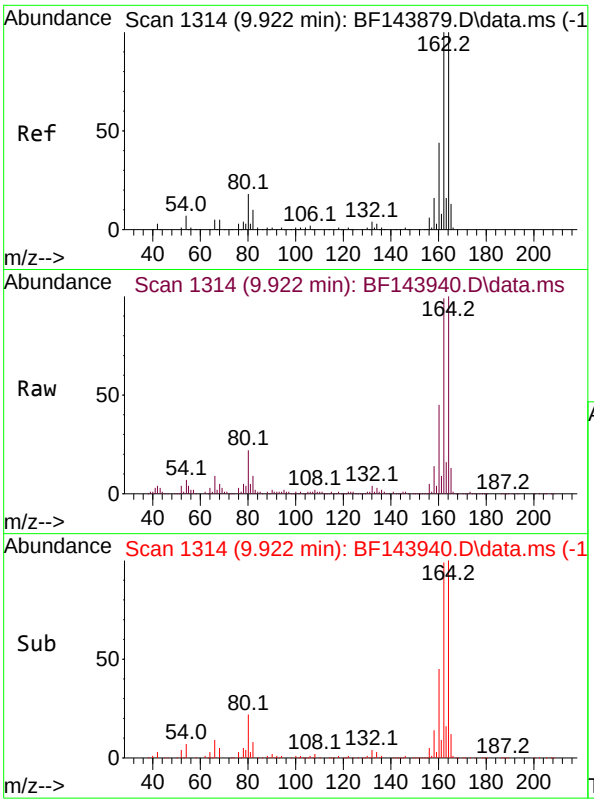


#38
1-Methylnaphthalene
Concen: 2.622 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:142 Resp: 29223

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2



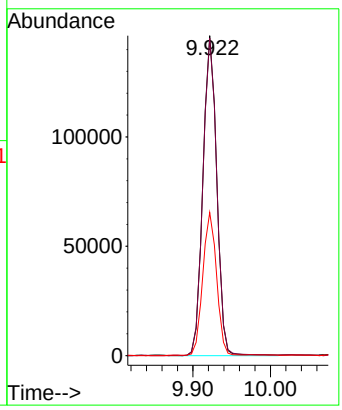


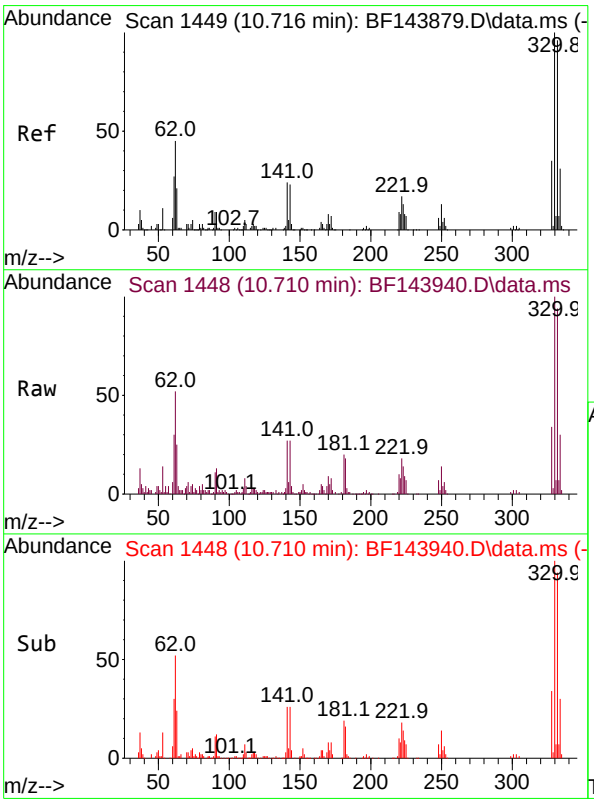
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:164 Resp: 180774

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	44.7	35.4	53.0

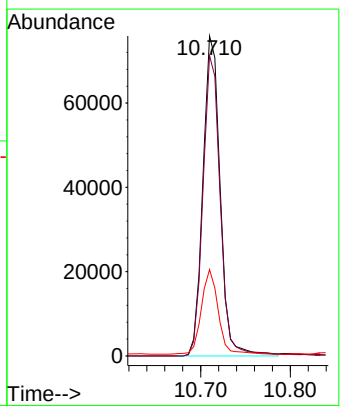


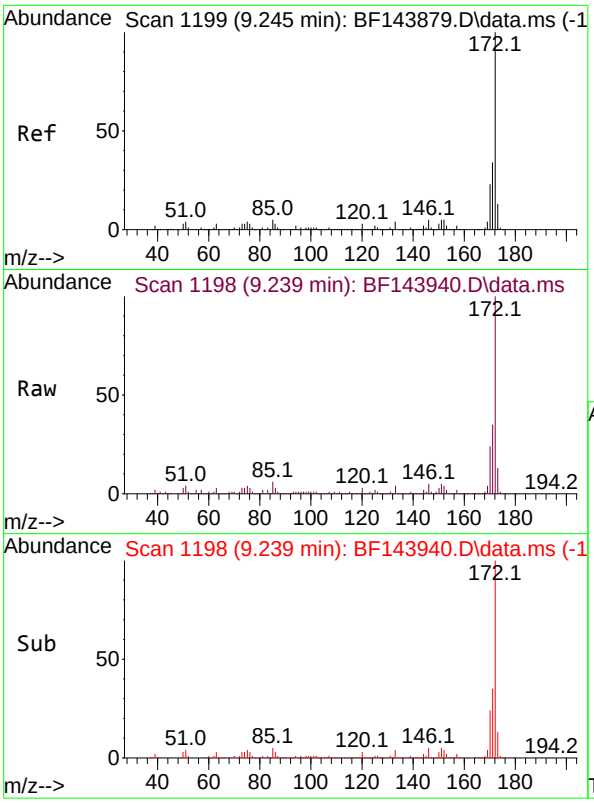


#42
2,4,6-Tribromophenol
Concen: 56.398 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:330 Resp: 101548

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.9	115.3
141	25.9	20.2	30.4



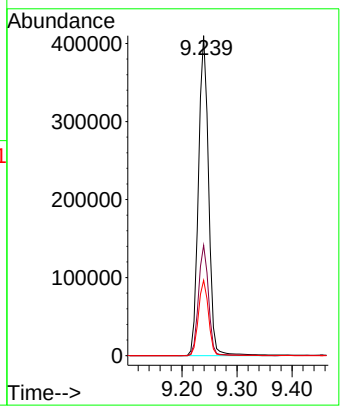


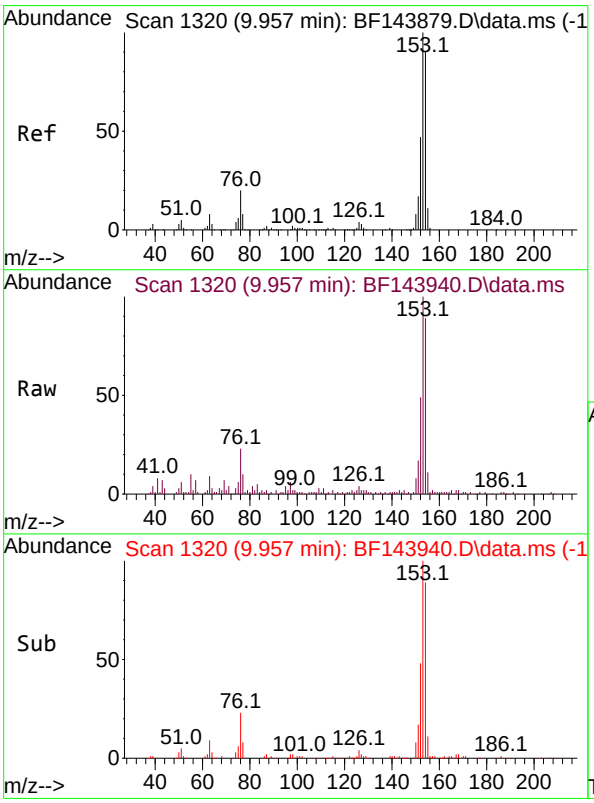
#45
2-Fluorobiphenyl
Concen: 45.880 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:172 Resp: 522699

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	23.5	18.6	28.0

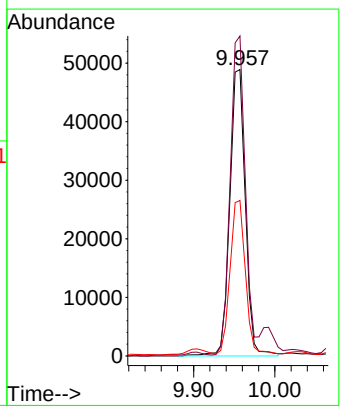


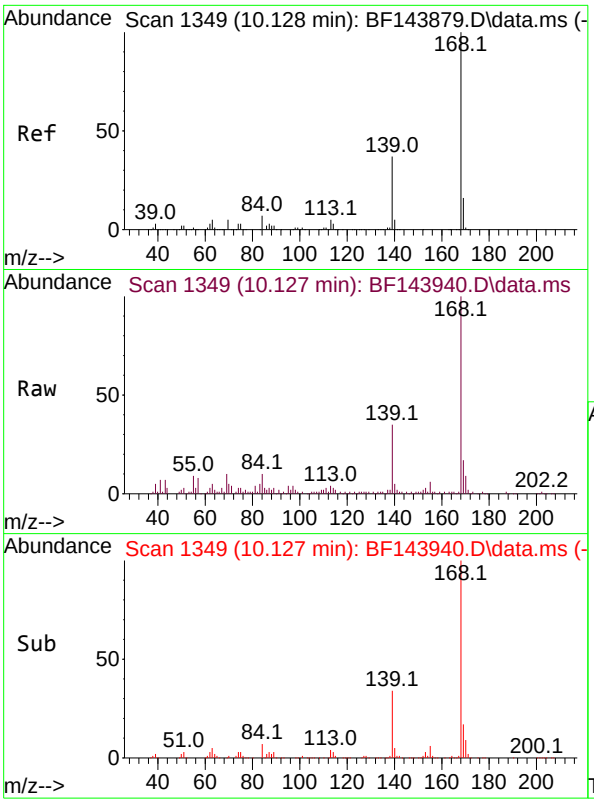


#52
Acenaphthene
Concen: 7.068 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:154 Resp: 64979

Ion	Ratio	Lower	Upper
154	100		
153	111.8	89.3	133.9
152	54.3	42.2	63.2



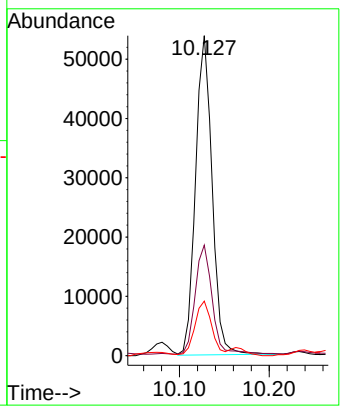


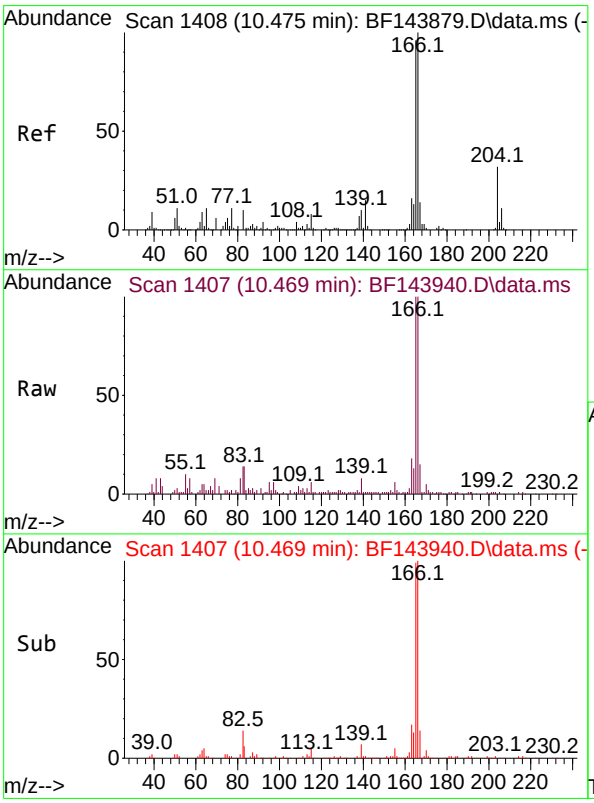
#55
Dibenzofuran
Concen: 5.321 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:168 Resp: 69044

Ion	Ratio	Lower	Upper
168	100		
139	34.5	29.8	44.8
169	17.0	12.8	19.2

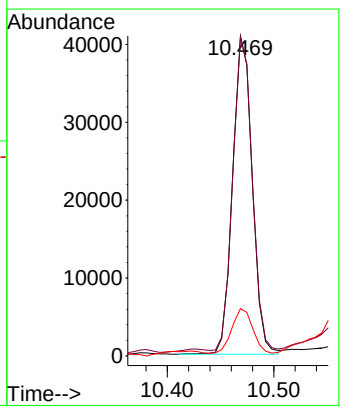


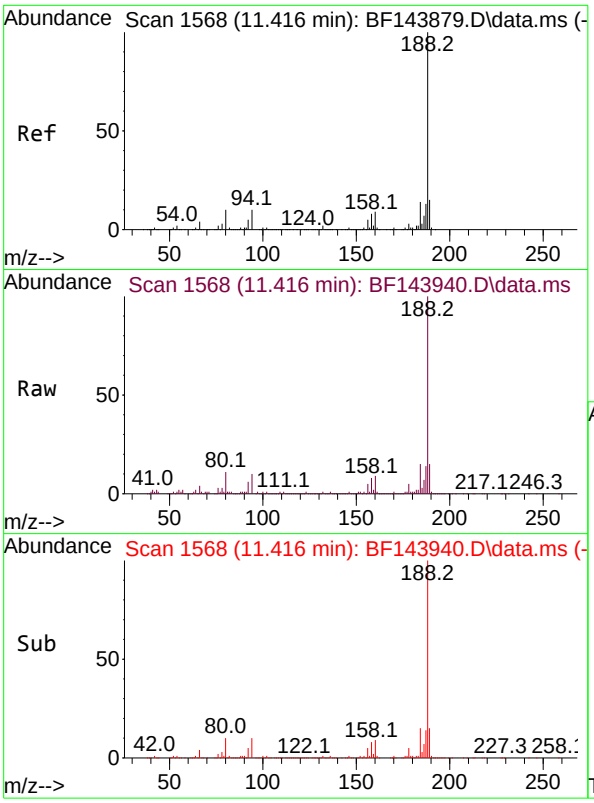


#58
Fluorene
Concen: 5.326 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:166 Resp: 52154

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.0	115.6
167	14.8	11.1	16.7



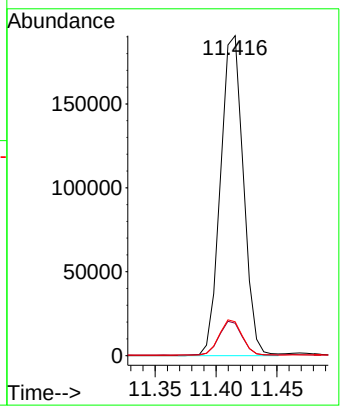


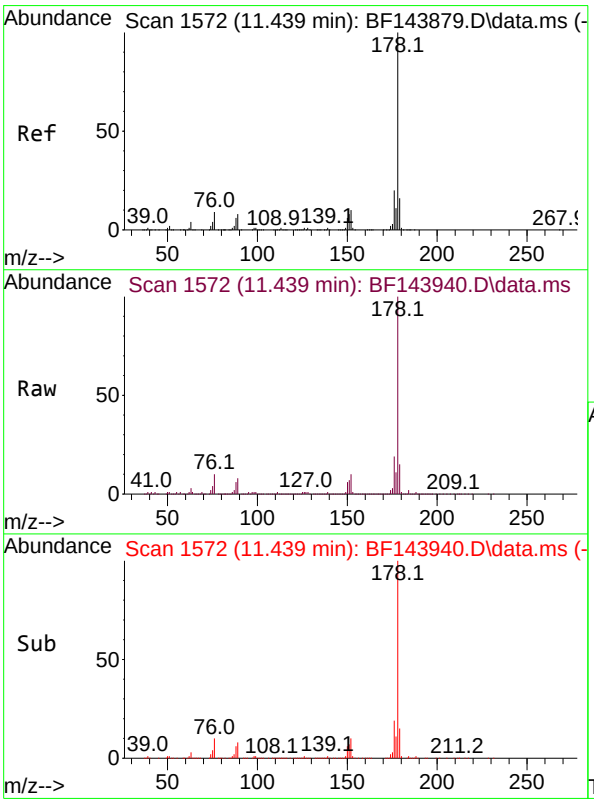
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:188 Resp: 249842

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.6	7.9	11.9

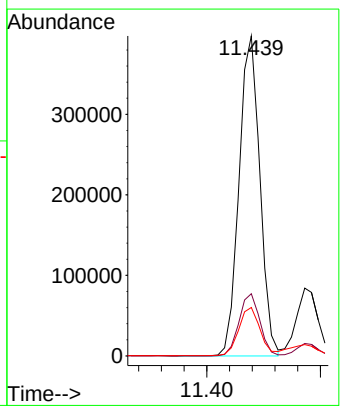


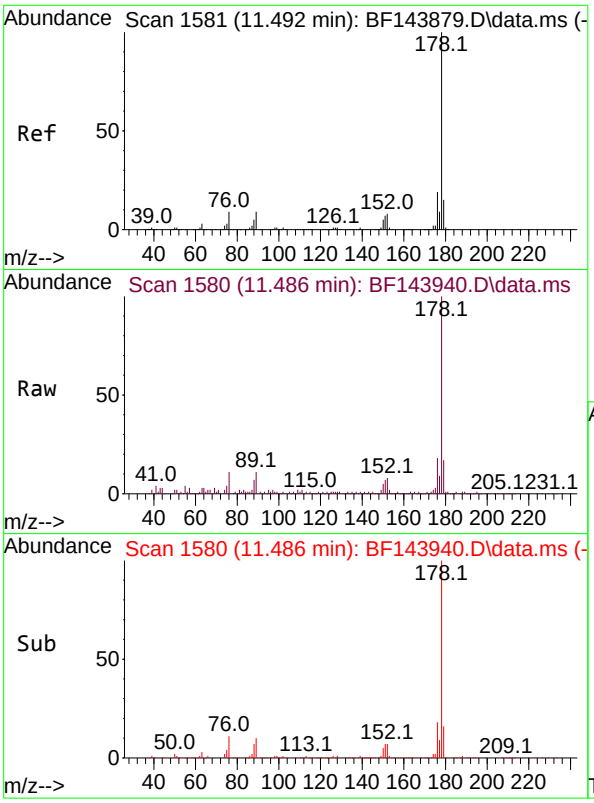


#71
Phenanthrene
Concen: 41.719 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:178 Resp: 505316

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.1	12.4	18.6



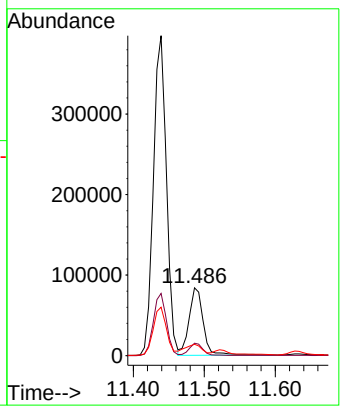


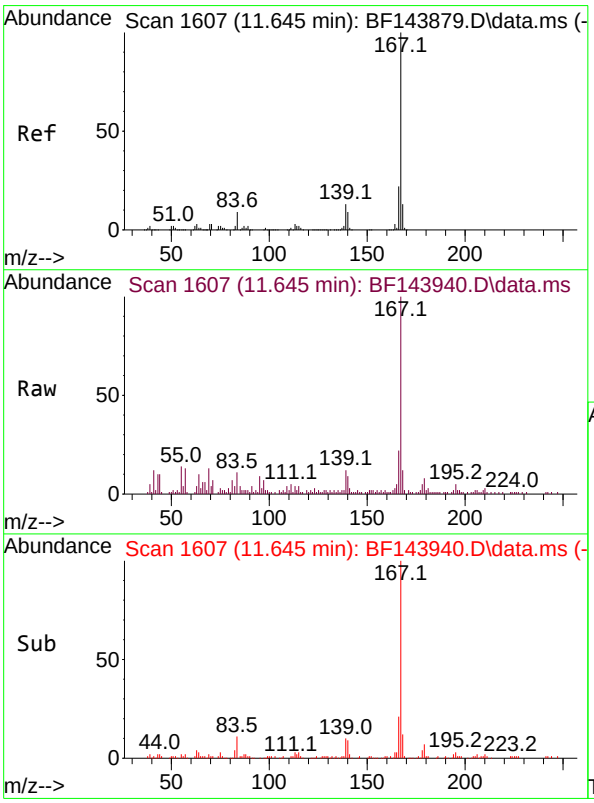
#72
Anthracene
Concen: 9.559 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:178 Resp: 116964

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	16.6	12.2	18.2

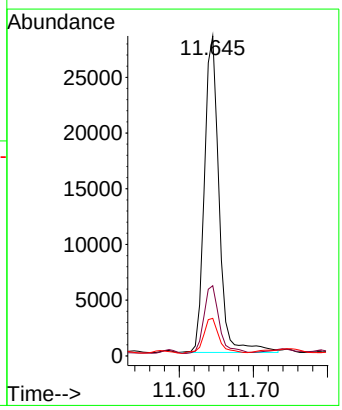


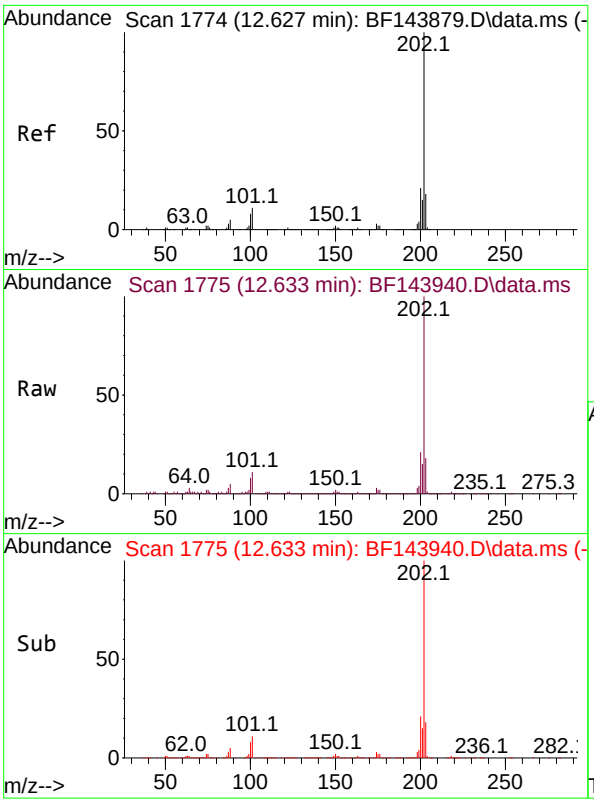


#73
Carbazole
Concen: 3.598 ng
RT: 11.645 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:167 Resp: 38996

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.2	25.8
139	11.7	10.1	15.1



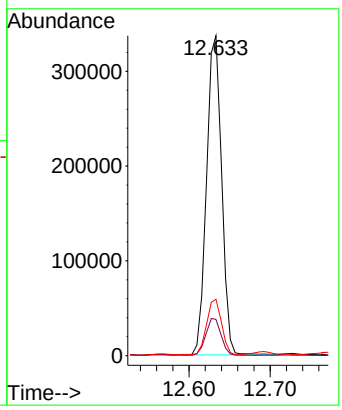


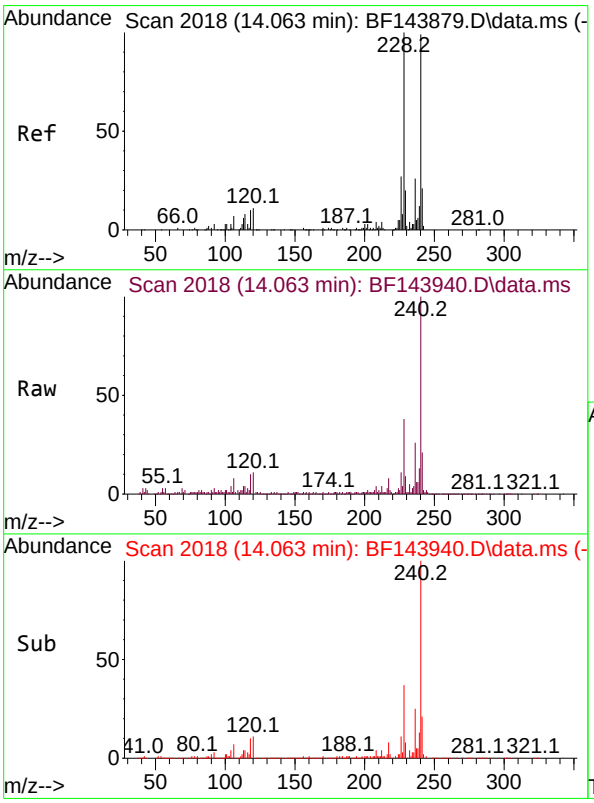
#75
Fluoranthene
Concen: 34.944 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:202 Resp: 437193

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	30.7
203	17.6	0.0	37.8

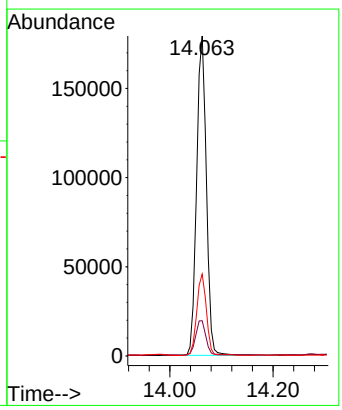


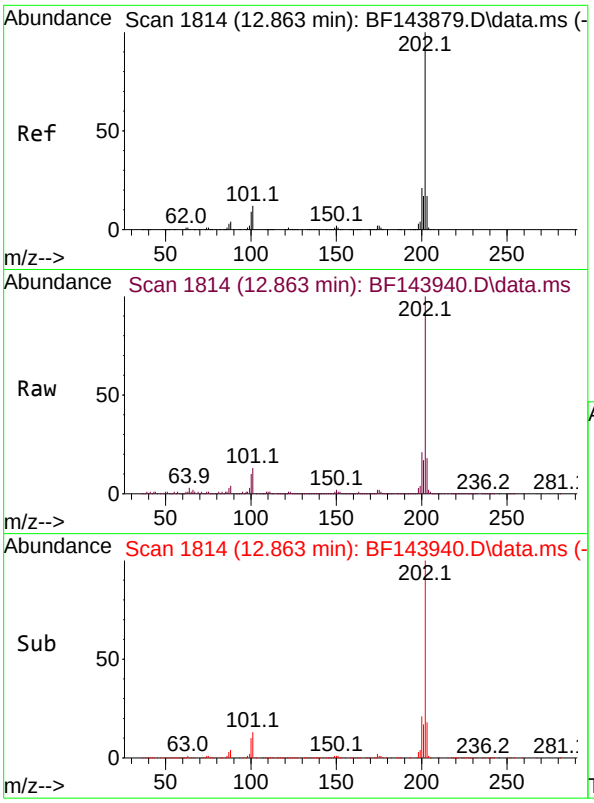


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:240 Resp: 234306

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	25.6	21.1	31.7



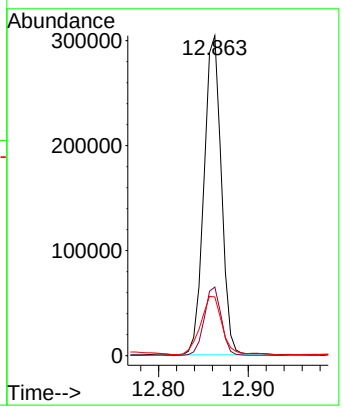


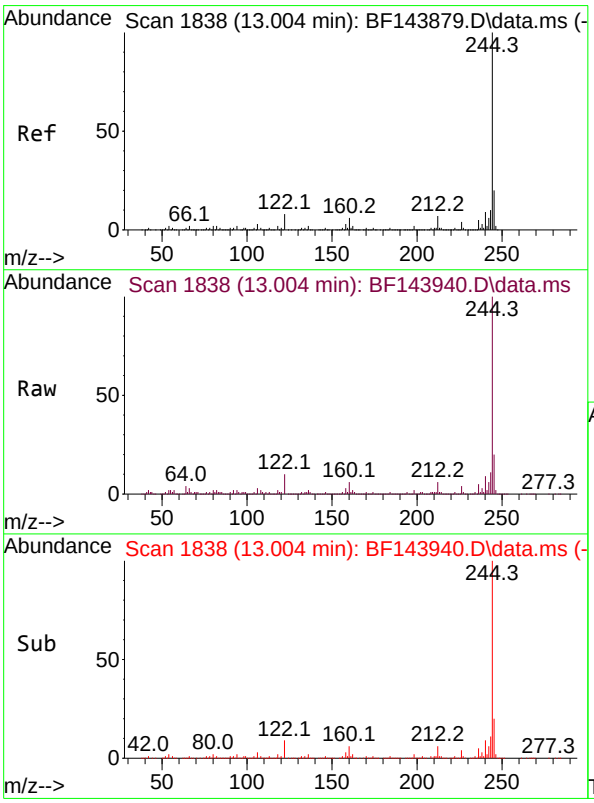
#78
Pyrene
Concen: 20.977 ng
RT: 12.863 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:202 Resp: 409759

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	18.3	13.8	20.6

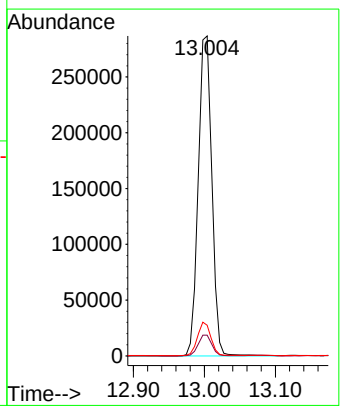


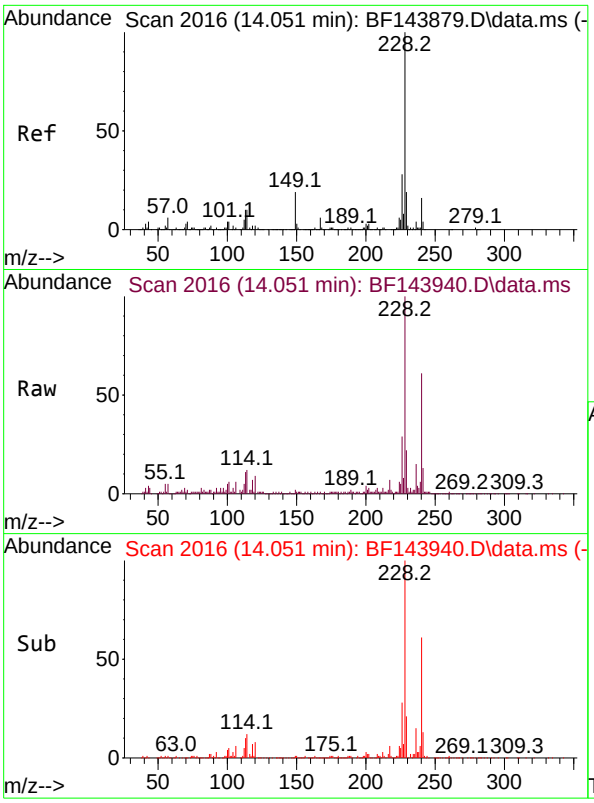


#79
Terphenyl-d14
Concen: 27.683 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:244 Resp: 379521

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.6	6.4	9.6



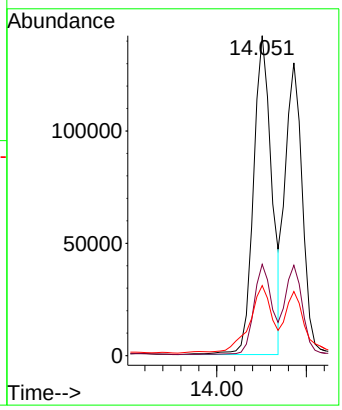


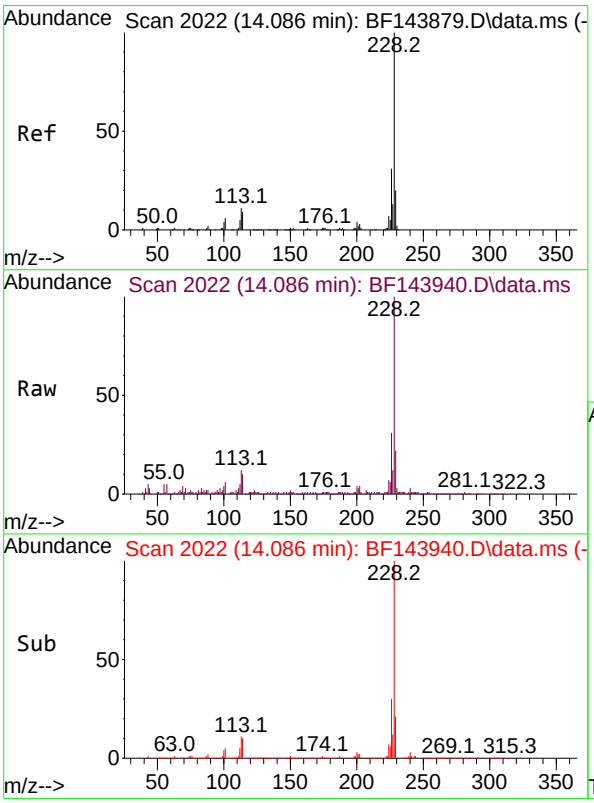
#81
Benzo(a)anthracene
Concen: 13.148 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:228 Resp: 201601

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	21.9	15.6	23.4

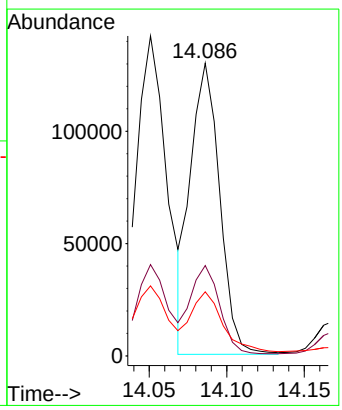


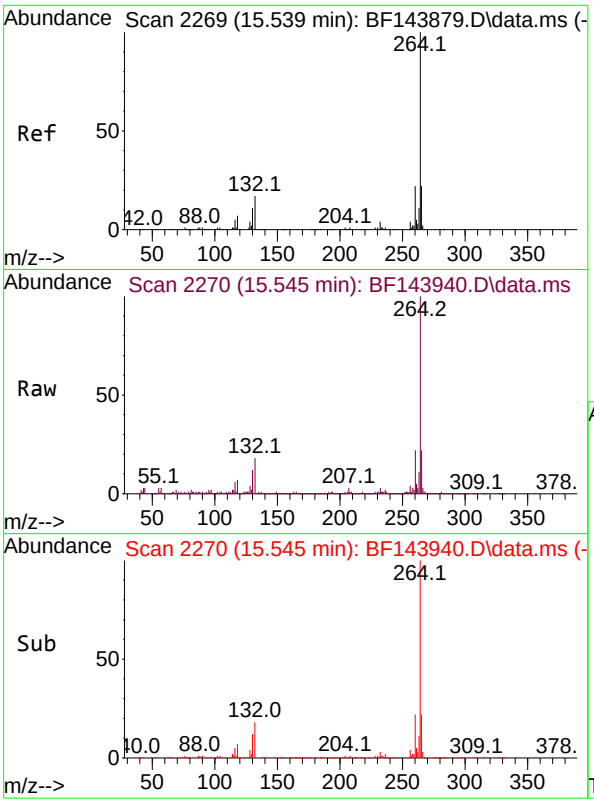


#83
Chrysene
Concen: 12.020 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:228 Resp: 170576

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	21.9	15.9	23.9



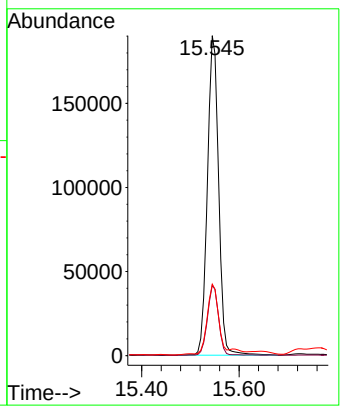


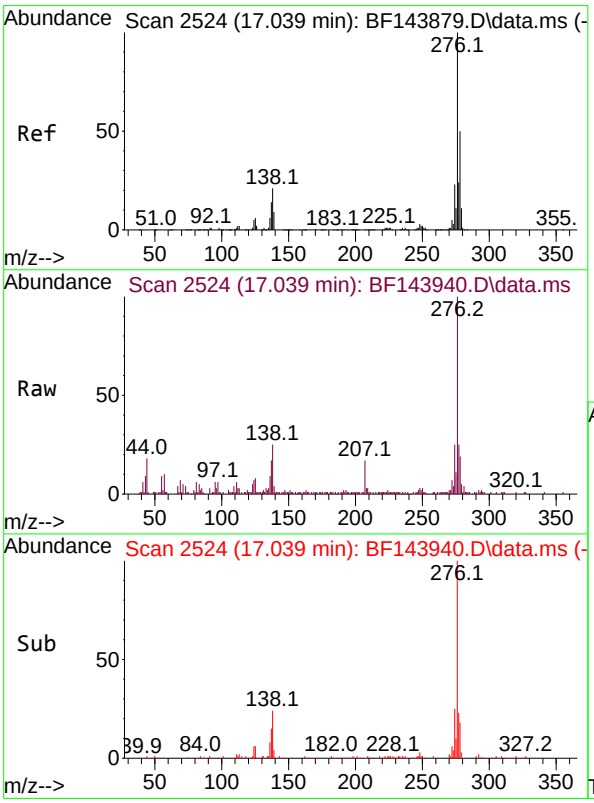
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:264 Resp: 306494

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	22.3	17.5	26.3

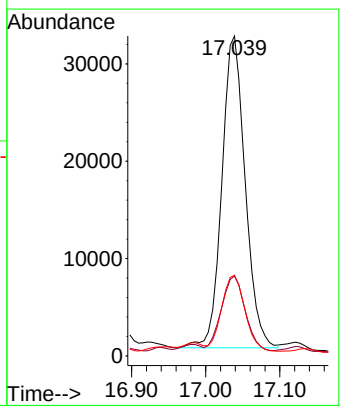


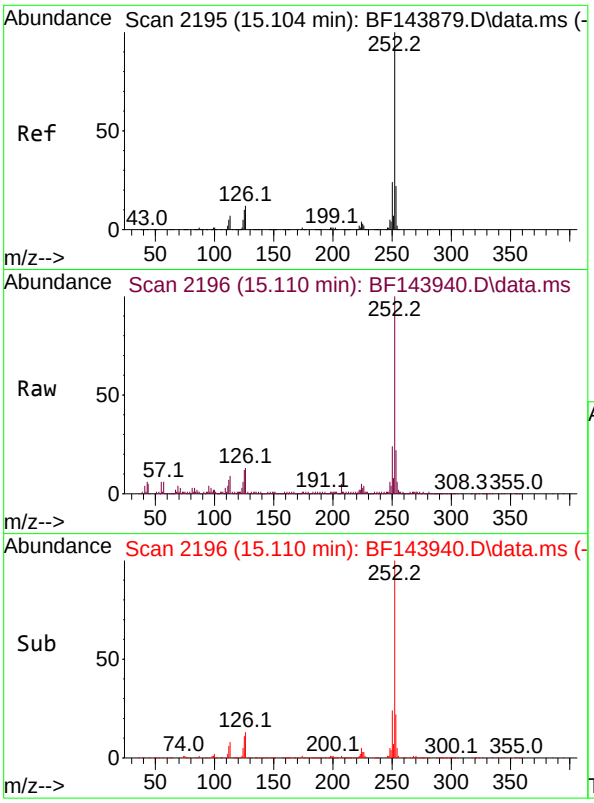


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.735 ng
RT: 17.039 min Scan# 2524
Delta R.T. -0.018 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:276 Resp: 70144

Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.2	27.2
277	24.6	19.8	29.6



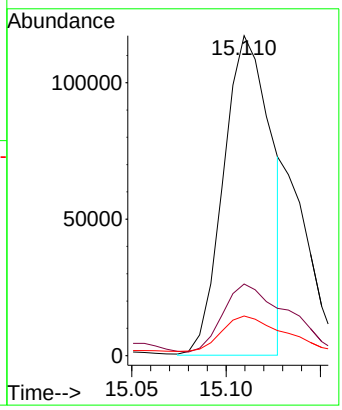


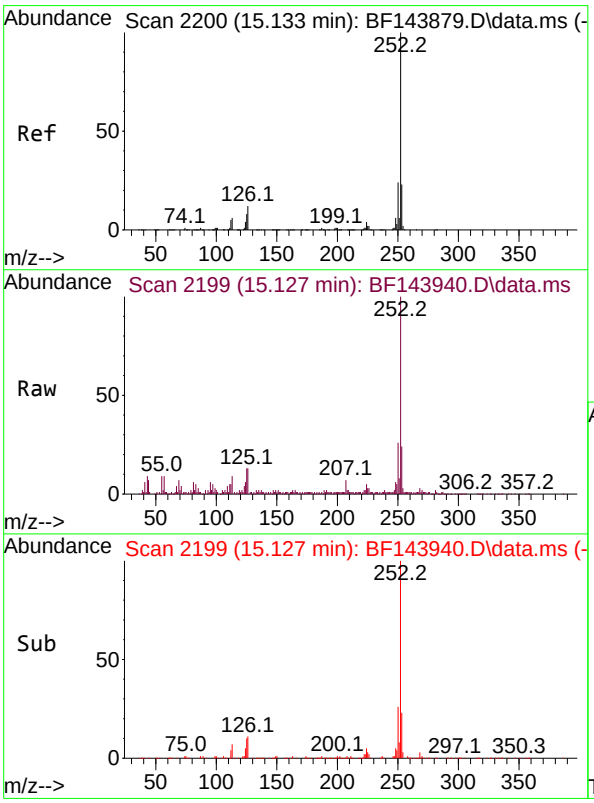
#88
Benzo(b)fluoranthene
Concen: 11.646 ng m
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:252 Resp: 205033

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	12.4	7.8	11.6#

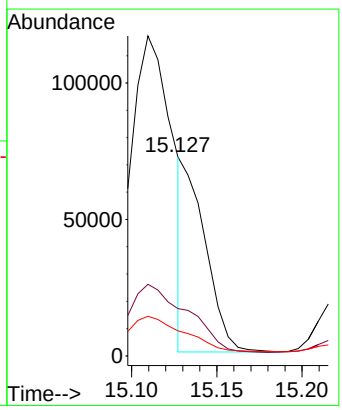


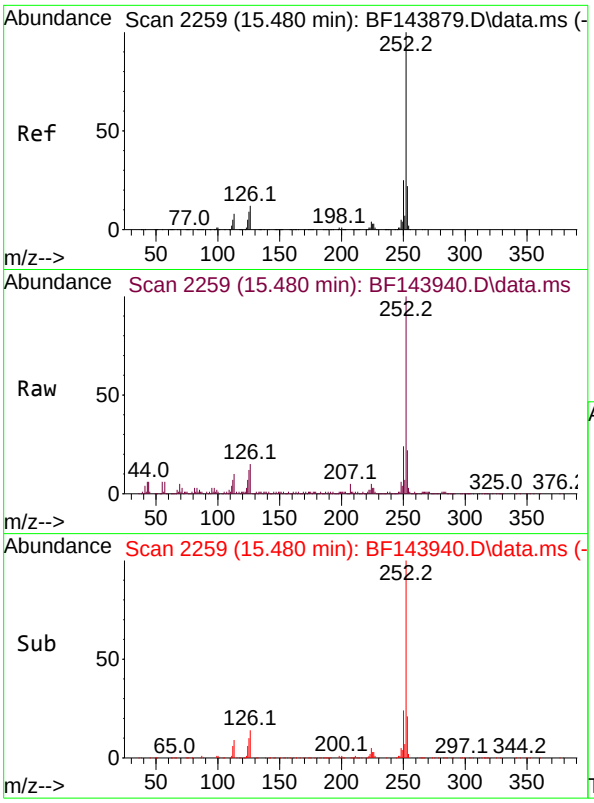


#89
Benzo(k)fluoranthene
Concen: 3.914 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.018 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:252 Resp: 63764

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	12.6	7.4	11.2#



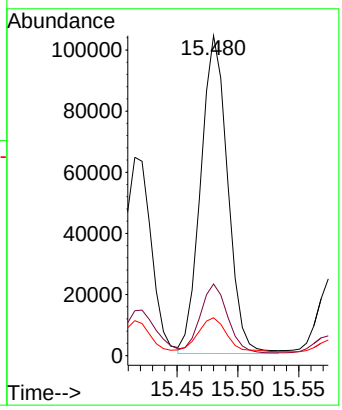


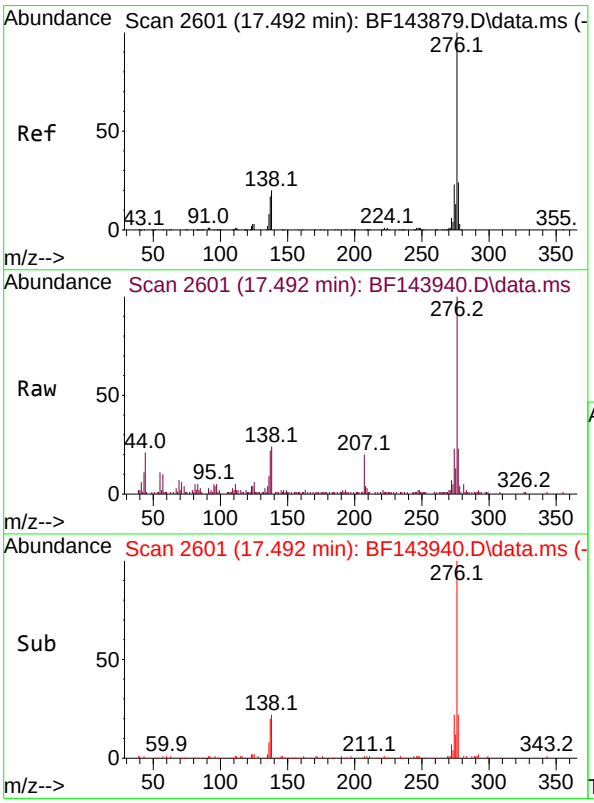
#90
Benzo(a)pyrene
Concen: 10.489 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Tgt Ion:252 Resp: 160121

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	11.8	7.0	10.4#

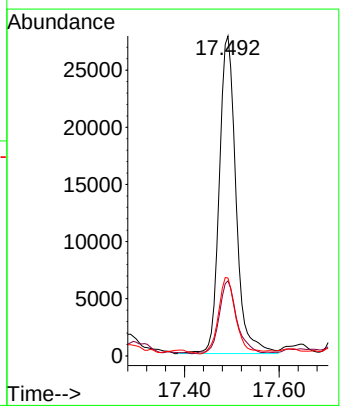




#92
Benzo(g,h,i)perylene
Concen: 4.509 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.023 min
Lab File: BF143940.D
Acq: 13 Oct 2025 18:58

Tgt Ion:276 Resp: 68104

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.6
138	24.3	16.1	24.1#



Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143940.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.963	288	301	306	rBV	11477	24594	1.33%	0.105%
2	5.098	485	494	500	rVB2	22452	39883	2.16%	0.170%
3	5.498	553	562	574	rBV	1324192	1789889	97.13%	7.618%
4	5.910	624	632	635	rBV3	9617	19871	1.08%	0.085%
5	6.134	665	670	673	rBV2	21814	32797	1.78%	0.140%
6	6.322	697	702	705	rBV3	13398	23189	1.26%	0.099%
7	6.422	714	719	725	rBV4	20087	47691	2.59%	0.203%
8	6.504	725	733	741	rBV	1304087	1842691	100.00%	7.842%
9	6.634	750	755	758	rBV4	14758	24546	1.33%	0.104%
10	6.716	765	769	771	rBV3	13167	21258	1.15%	0.090%
11	6.845	787	791	792	rVV3	17368	20933	1.14%	0.089%
12	6.881	792	797	803	rVV	548532	714280	38.76%	3.040%
13	6.939	803	807	810	rVV2	18103	26624	1.44%	0.113%
14	6.992	810	816	819	rVV4	28940	57768	3.13%	0.246%
15	7.028	819	822	825	rVV	33793	45547	2.47%	0.194%
16	7.063	825	828	833	rVB	26431	31630	1.72%	0.135%
17	7.151	839	843	847	rVB3	38857	52720	2.86%	0.224%
18	7.275	858	864	867	rBV5	30917	57795	3.14%	0.246%
19	7.363	875	879	882	rBV3	13646	22516	1.22%	0.096%
20	7.439	882	892	902	rVV	759957	1098450	59.61%	4.675%
21	7.522	902	906	910	rBV3	59724	93063	5.05%	0.396%
22	7.581	912	916	920	rVV5	20817	38554	2.09%	0.164%
23	7.663	926	930	931	rBV	29269	36243	1.97%	0.154%
24	7.686	932	934	942	rVB5	56940	85090	4.62%	0.362%
25	7.757	943	946	948	rBV4	21760	28424	1.54%	0.121%
26	7.804	951	954	957	rVB4	40000	43928	2.38%	0.187%
27	7.839	957	960	963	rBV3	28952	36715	1.99%	0.156%
28	7.922	969	974	977	rBV4	24941	45389	2.46%	0.193%
29	7.981	981	984	989	rVB5	39834	58399	3.17%	0.249%
30	8.039	990	994	997	rBV2	42294	61039	3.31%	0.260%
31	8.163	1009	1015	1022	rBV2	628197	1264318	68.61%	5.381%
32	8.222	1022	1025	1028	rVB	133114	152059	8.25%	0.647%
33	8.316	1038	1041	1043	rBV	33649	44221	2.40%	0.188%
34	8.369	1047	1050	1058	rVB3	73297	118451	6.43%	0.504%
35	8.457	1060	1065	1070	rBV6	62212	110832	6.01%	0.472%
36	8.510	1071	1074	1077	rBV3	36561	49383	2.68%	0.210%

Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.581	1083	1086	1089	rBV	93785	128757	6.99%	0.548%
38	8.669	1098	1101	1104	rBV2	34565	44473	2.41%	0.189%
39	8.704	1104	1107	1112	rVV3	39609	61967	3.36%	0.264%
40	8.881	1134	1137	1140	rVB	69053	76282	4.14%	0.325%
41	8.975	1150	1153	1161	rVB	80887	128285	6.96%	0.546%
42	9.186	1186	1189	1193	rVB	78309	93320	5.06%	0.397%
43	9.239	1193	1198	1203	rVB	1103519	1358535	73.73%	5.782%
44	9.322	1208	1212	1221	rBV2	56825	144332	7.83%	0.614%
45	9.439	1229	1232	1236	rVB2	32010	38774	2.10%	0.165%
46	9.575	1252	1255	1258	rBV	35387	45163	2.45%	0.192%
47	9.639	1263	1266	1269	rVB2	56897	66874	3.63%	0.285%
48	9.786	1287	1291	1295	rVB2	29573	40005	2.17%	0.170%
49	9.922	1309	1314	1317	rBV	593320	741812	40.26%	3.157%
50	9.957	1317	1320	1324	rVB	193114	227753	12.36%	0.969%
51	10.080	1337	1341	1344	rBV3	25406	37697	2.05%	0.160%
52	10.127	1344	1349	1353	rVV	128883	171426	9.30%	0.730%
53	10.239	1365	1368	1370	rBV3	22201	28385	1.54%	0.121%
54	10.333	1380	1384	1390	rBV4	28341	57646	3.13%	0.245%
55	10.469	1403	1407	1413	rBV	146343	195007	10.58%	0.830%
56	10.563	1420	1423	1428	rVB2	26300	42886	2.33%	0.183%
57	10.633	1431	1435	1440	rVB2	185663	239944	13.02%	1.021%
58	10.710	1443	1448	1453	rBV	601390	787841	42.75%	3.353%
59	10.839	1465	1470	1476	rVB2	49322	94237	5.11%	0.401%
60	11.216	1531	1534	1538	rVB	29726	37271	2.02%	0.159%
61	11.269	1538	1543	1546	rBV3	50367	87653	4.76%	0.373%
62	11.310	1546	1550	1556	rVB	81106	117403	6.37%	0.500%
63	11.416	1563	1568	1569	rBV	484363	615019	33.38%	2.618%
64	11.439	1569	1572	1576	rVV	912499	1148958	62.35%	4.890%
65	11.486	1576	1580	1584	rVB	169490	218746	11.87%	0.931%
66	11.645	1603	1607	1614	rVB	60747	90845	4.93%	0.387%
67	11.939	1649	1657	1662	rBV2	229065	441987	23.99%	1.881%
68	11.992	1663	1666	1669	rVV	52580	79899	4.34%	0.340%
69	12.027	1669	1672	1680	rVB2	146987	265279	14.40%	1.129%
70	12.210	1700	1703	1711	rVB2	62134	108303	5.88%	0.461%
71	12.469	1744	1747	1750	rBV	35201	46147	2.50%	0.196%
72	12.633	1770	1775	1779	rBV	737024	956425	51.90%	4.071%
73	12.863	1807	1814	1819	rBV	657351	1037122	56.28%	4.414%
74	12.998	1832	1837	1845	rVB	726171	1039335	56.40%	4.423%
75	13.186	1866	1869	1873	rVB	95755	125053	6.79%	0.532%
76	13.257	1878	1881	1883	rVV2	48034	54683	2.97%	0.233%

Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.292	1884	1887	1891	rVV2	50362	64780	3.52%	0.276%
78	14.057	2011	2017	2021	rBV2	692995	1243209	67.47%	5.291%
79	15.110	2191	2196	2205	rBV	293969	669647	36.34%	2.850%
80	15.415	2244	2248	2254	rVB	161230	258910	14.05%	1.102%
81	15.480	2254	2259	2265	rVV	245105	380409	20.64%	1.619%
82	15.545	2265	2270	2287	rVB	483748	933724	50.67%	3.974%
83	17.039	2519	2524	2533	rVB3	91829	207519	11.26%	0.883%
84	17.492	2596	2601	2611	rVB	68004	155798	8.45%	0.663%

Sum of corrected areas: 23496305

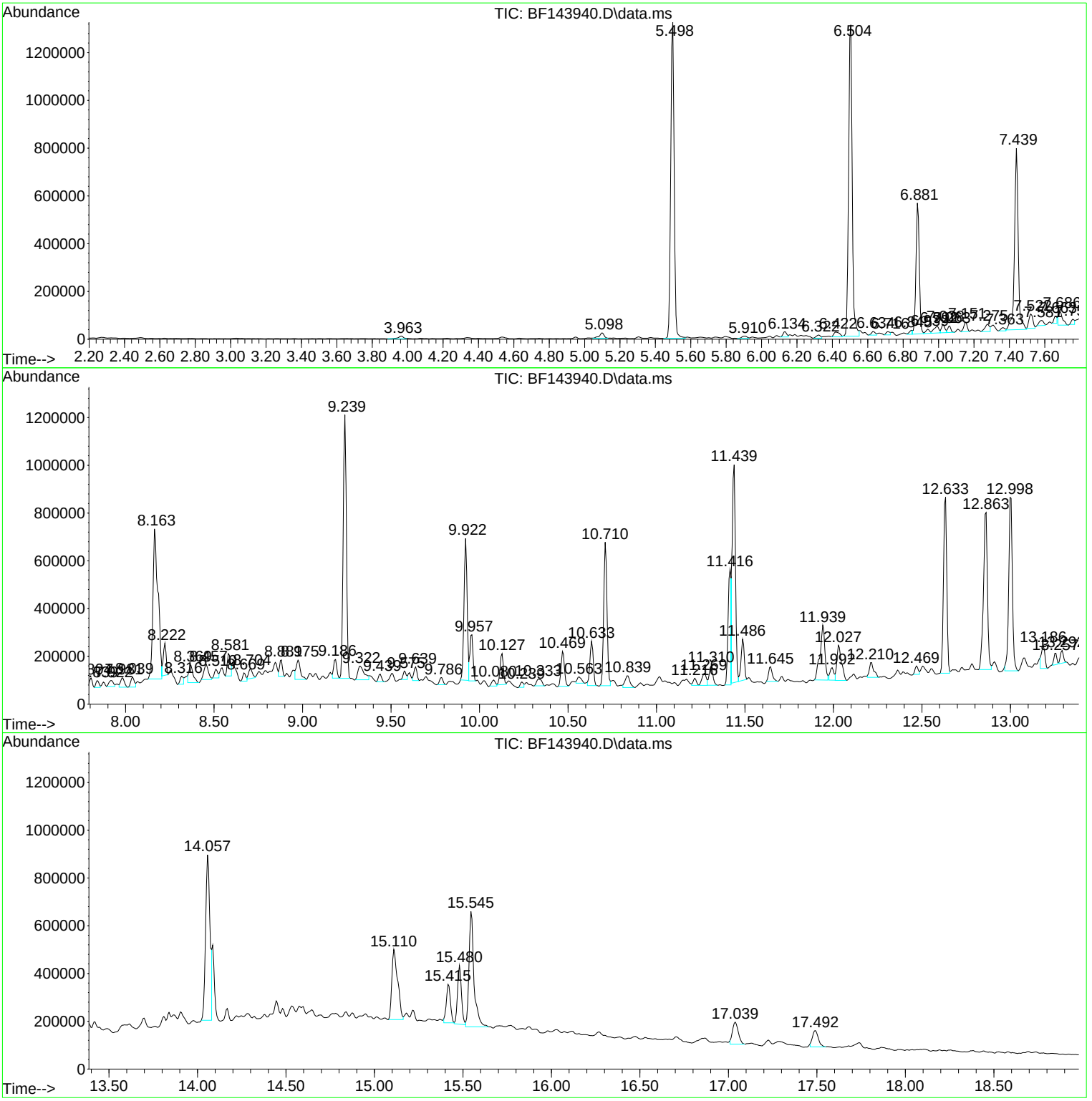
Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

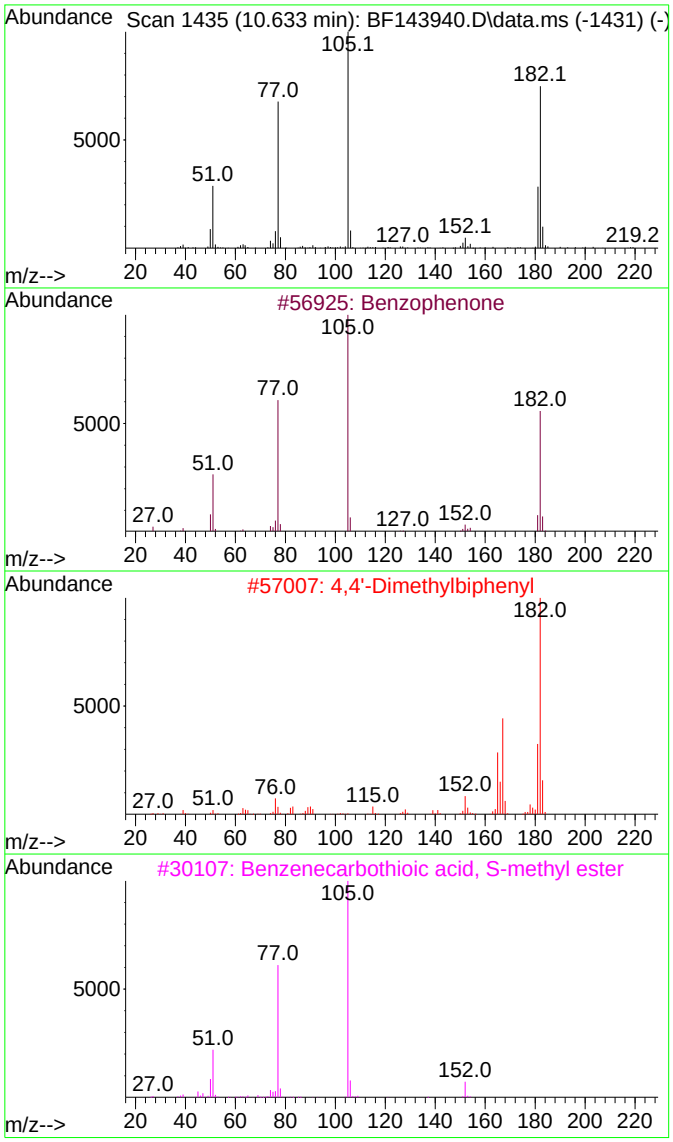
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

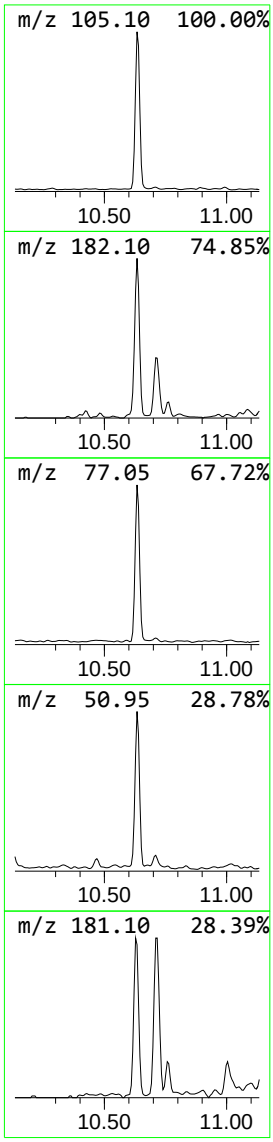
****

Peak Number 4 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.47 ng	239944	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	41
4	Benzoic acid, 2,4-dimethoxy-	182	C9H10O4	000091-52-1	35
5	Methyl benzilate	242	C15H14O3	000076-89-1	35





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Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

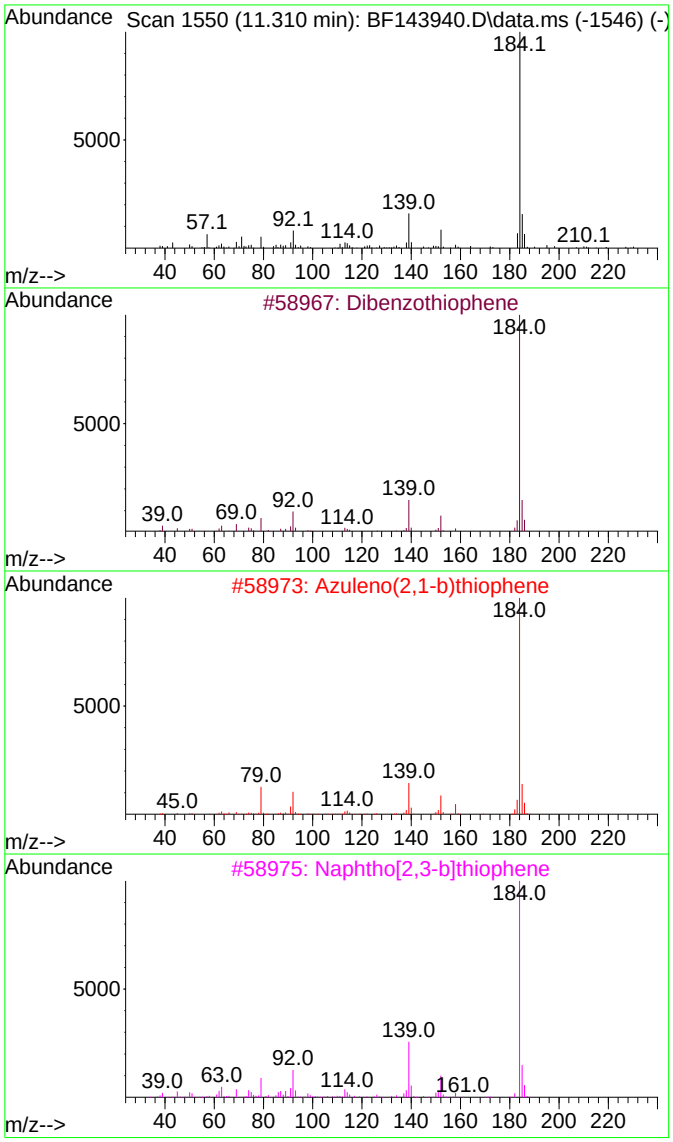
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

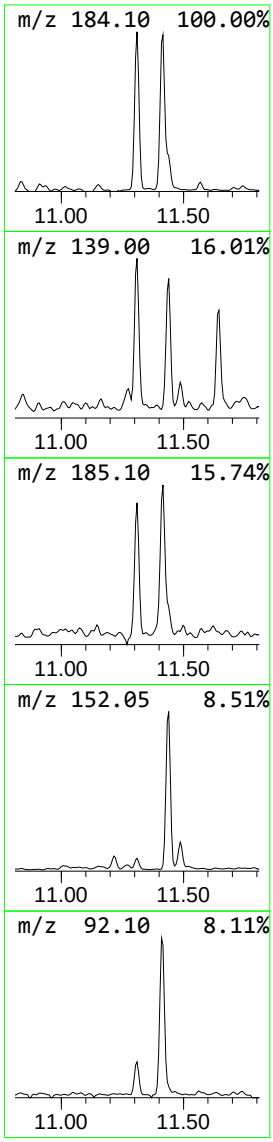
****

Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	3.82 ng	117403	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

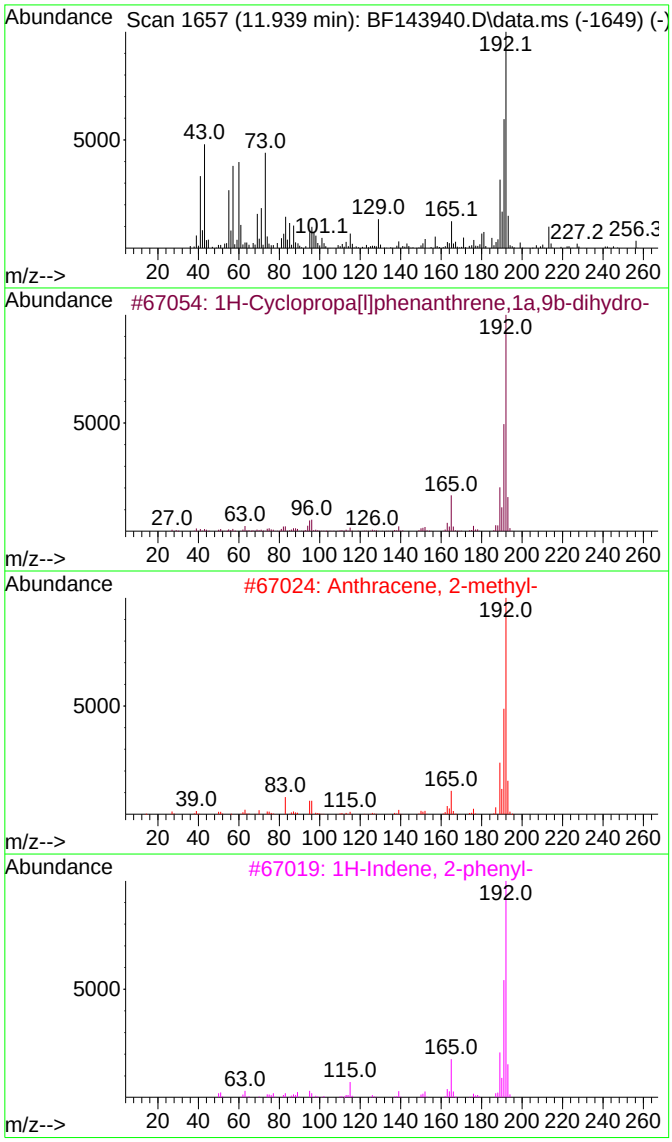
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

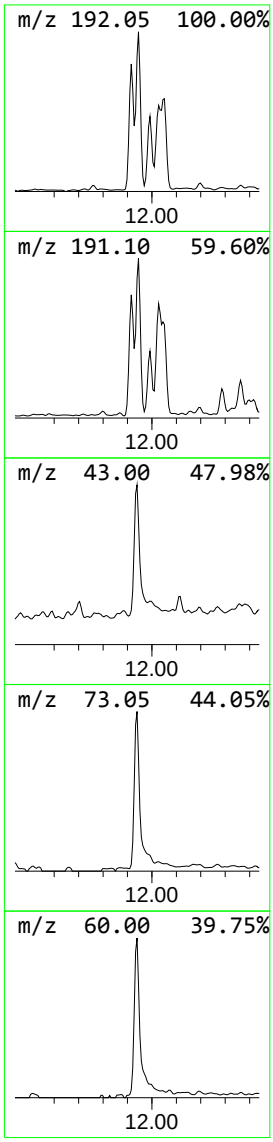
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	14.37 ng	441987	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78





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Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

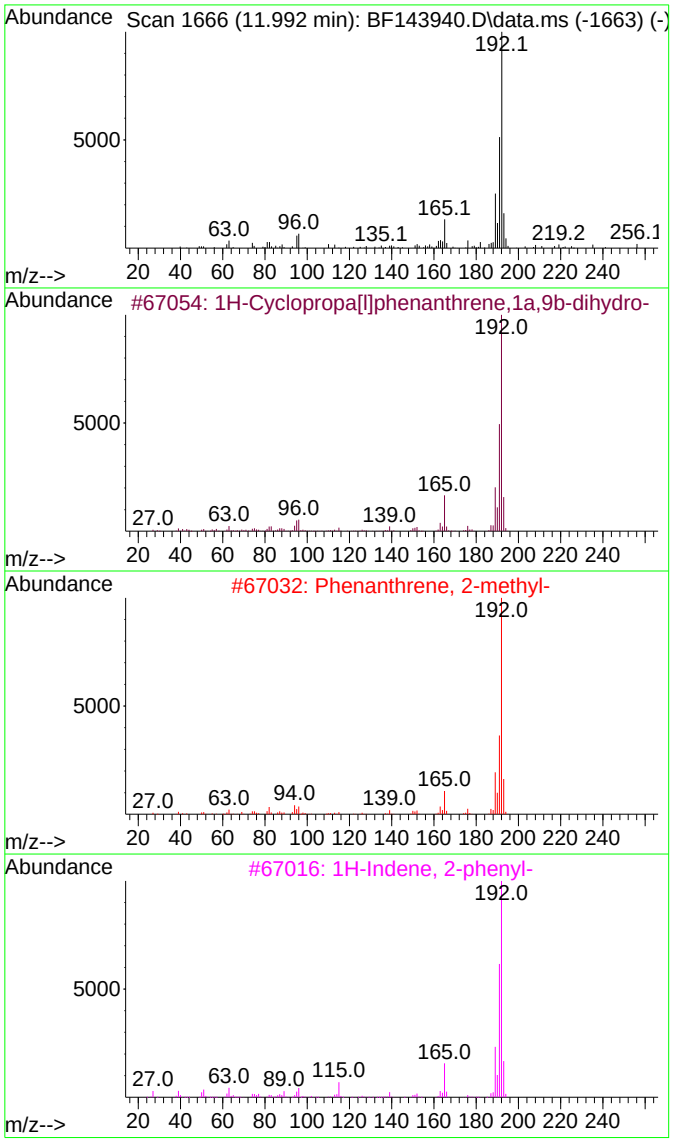
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

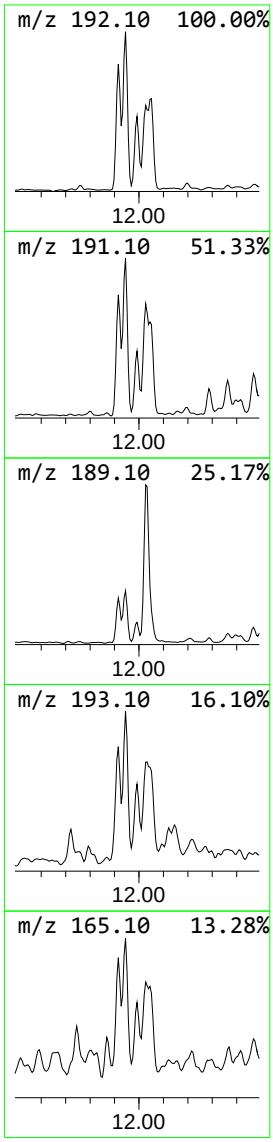
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	2.60 ng	79899	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

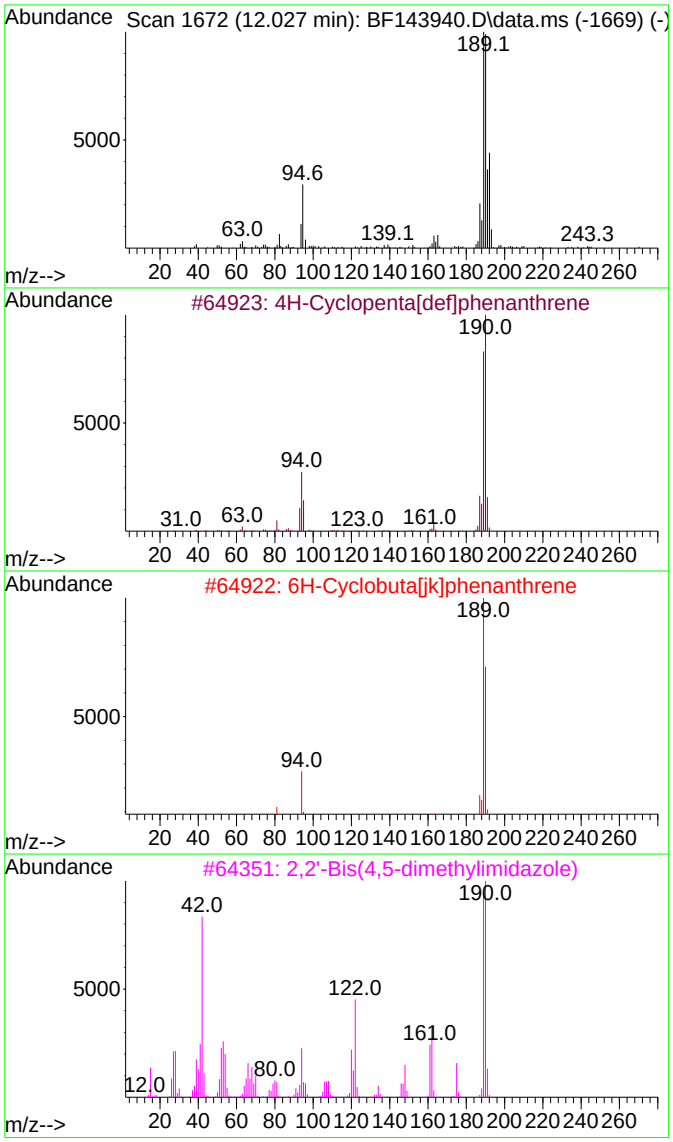
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

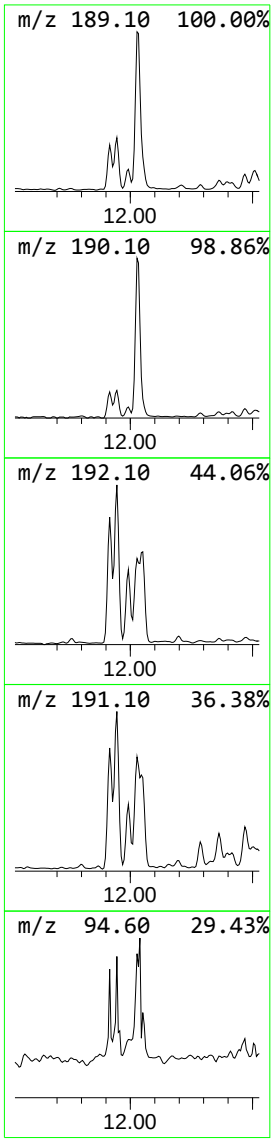
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	8.63 ng	265279	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	33
5	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	32





Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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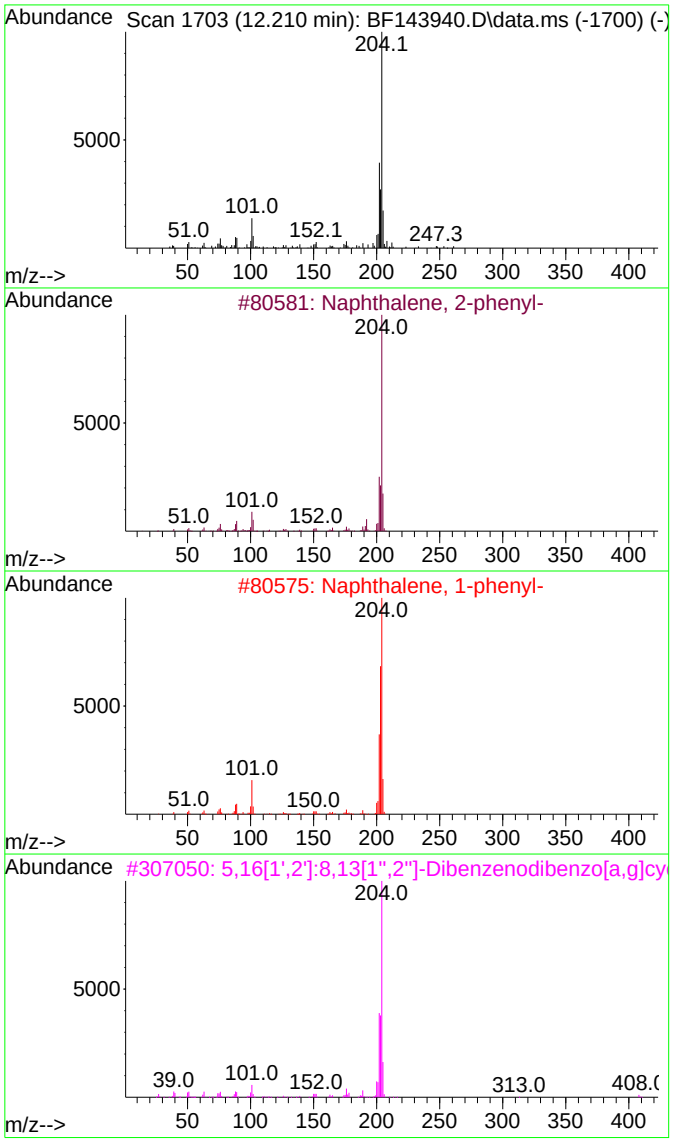
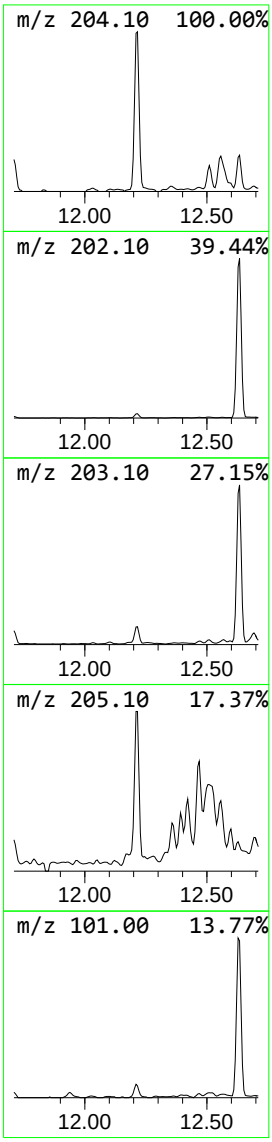
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	3.52 ng	108303	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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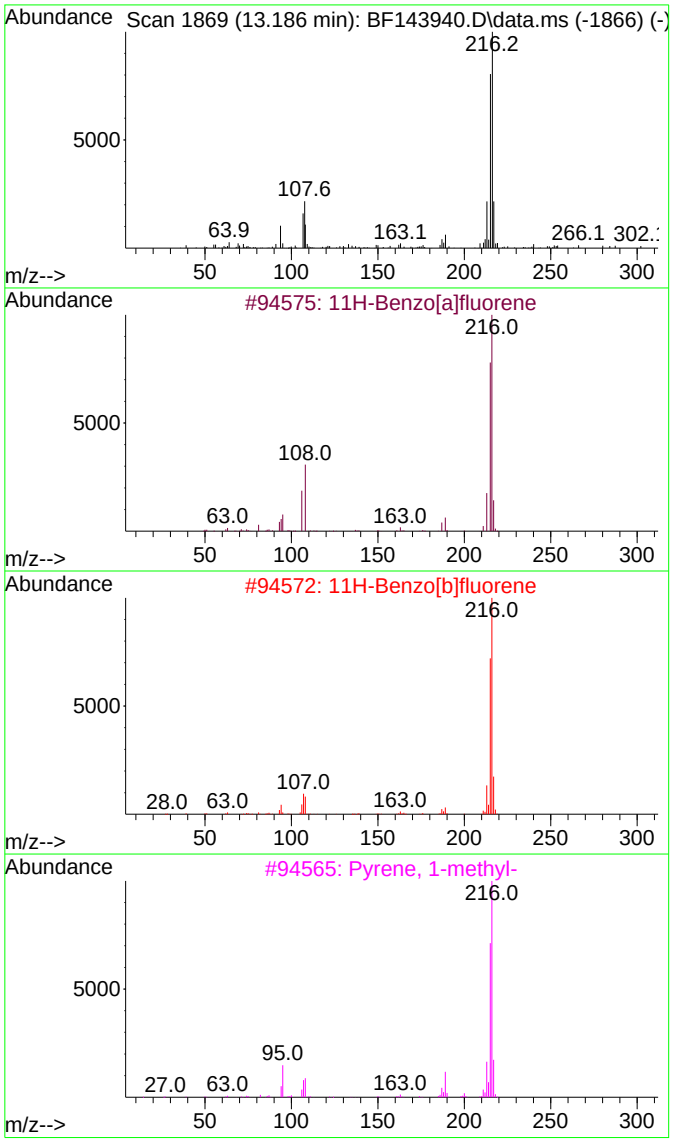
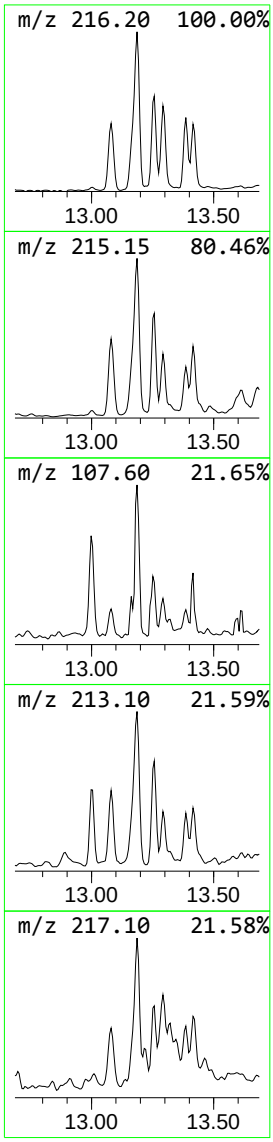
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	2.01 ng	125053	Chrysene-d12	14.063

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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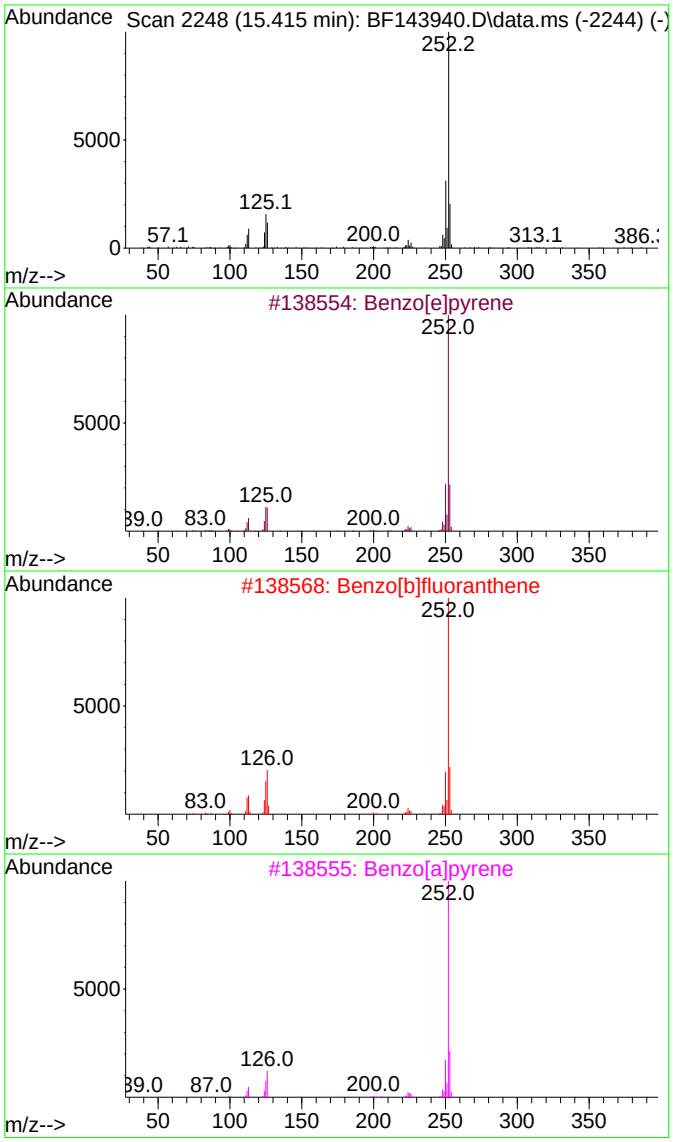
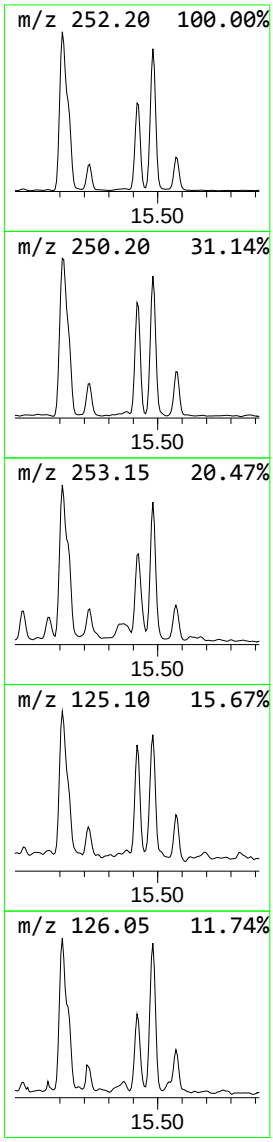
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.415	5.55 ng	258910	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[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Sample Results: **BF143940.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143940.D
Acq On : 13 Oct 2025 18:58
Operator : RC/JU
Sample : Q3323-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-05-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.633	6.5	ng	239944	3	9.922	741812	20.0
Dibenzothiophene	11.310	3.8	ng	117403	4	11.416	615019	20.0
1H-Cyclopropa[l...	11.939	14.4	ng	441987	4	11.416	615019	20.0
Phenanthrene, 2...	11.992	2.6	ng	79899	4	11.416	615019	20.0
4H-Cyclopenta[d...	12.027	8.6	ng	265279	4	11.416	615019	20.0
Naphthalene, 2-...	12.210	3.5	ng	108303	4	11.416	615019	20.0
11H-Benzo[a]flu...	13.186	2.0	ng	125053	5	14.063	1243210	20.0
Benzo[e]pyrene	15.415	5.5	ng	258910	6	15.545	933724	20.0

Raw Data: **BF143941.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-06-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	80.8
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	10/13/25 19:27	PB170067
108-95-2	Phenol	27.3	U	1	27.3	210	ug/Kg	10/13/25 19:27	PB170067
111-44-4	bis(2-Chloroethyl)ether	30.0	U	1	30.0	210	ug/Kg	10/13/25 19:27	PB170067
95-57-8	2-Chlorophenol	30.1	U	1	30.1	210	ug/Kg	10/13/25 19:27	PB170067
95-48-7	2-Methylphenol	36.9	U	1	36.9	210	ug/Kg	10/13/25 19:27	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	46.3	U	1	46.3	210	ug/Kg	10/13/25 19:27	PB170067
98-86-2	Acetophenone	36.4	U	1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
65794-96-9	3+4-Methylphenols	50.8	U	1	50.8	410	ug/Kg	10/13/25 19:27	PB170067
621-64-7	n-Nitroso-di-n-propylamine	58.5	U	1	58.5	98.8	ug/Kg	10/13/25 19:27	PB170067
67-72-1	Hexachloroethane	21.7	U	1	21.7	210	ug/Kg	10/13/25 19:27	PB170067
98-95-3	Nitrobenzene	22.6	U	1	22.6	210	ug/Kg	10/13/25 19:27	PB170067
78-59-1	Isophorone	40.5	U	1	40.5	210	ug/Kg	10/13/25 19:27	PB170067
88-75-5	2-Nitrophenol	71.9	U	1	71.9	210	ug/Kg	10/13/25 19:27	PB170067
105-67-9	2,4-Dimethylphenol	80.0	U	1	80.0	210	ug/Kg	10/13/25 19:27	PB170067
111-91-1	bis(2-Chloroethoxy)methane	38.0	U	1	38.0	210	ug/Kg	10/13/25 19:27	PB170067
120-83-2	2,4-Dichlorophenol	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
91-20-3	Naphthalene	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
106-47-8	4-Chloroaniline	43.7	U	1	43.7	210	ug/Kg	10/13/25 19:27	PB170067
87-68-3	Hexachlorobutadiene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
105-60-2	Caprolactam	64.4	U	1	64.4	410	ug/Kg	10/13/25 19:27	PB170067
59-50-7	4-Chloro-3-methylphenol	35.4	U	1	35.4	210	ug/Kg	10/13/25 19:27	PB170067
91-57-6	2-Methylnaphthalene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	10/13/25 19:27	PB170067
88-06-2	2,4,6-Trichlorophenol	24.5	U	1	24.5	210	ug/Kg	10/13/25 19:27	PB170067
95-95-4	2,4,5-Trichlorophenol	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
92-52-4	1,1-Biphenyl	26.9	U	1	26.9	210	ug/Kg	10/13/25 19:27	PB170067
91-58-7	2-Chloronaphthalene	27.8	U	1	27.8	210	ug/Kg	10/13/25 19:27	PB170067
88-74-4	2-Nitroaniline	59.4	U	1	59.4	210	ug/Kg	10/13/25 19:27	PB170067
131-11-3	Dimethylphthalate	33.5	U	1	33.5	210	ug/Kg	10/13/25 19:27	PB170067
208-96-8	Acenaphthylene	35.7	U	1	35.7	210	ug/Kg	10/13/25 19:27	PB170067
606-20-2	2,6-Dinitrotoluene	41.5	U	1	41.5	210	ug/Kg	10/13/25 19:27	PB170067
99-09-2	3-Nitroaniline	56.8	U	1	56.8	210	ug/Kg	10/13/25 19:27	PB170067
83-32-9	Acenaphthene	26.3	U	1	26.3	210	ug/Kg	10/13/25 19:27	PB170067
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	10/13/25 19:27	PB170067
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067
132-64-9	Dibenzofuran	28.0	U	1	28.0	210	ug/Kg	10/13/25 19:27	PB170067
121-14-2	2,4-Dinitrotoluene	61.9	U	1	61.9	210	ug/Kg	10/13/25 19:27	PB170067
84-66-2	Diethylphthalate	35.0	U	1	35.0	210	ug/Kg	10/13/25 19:27	PB170067
7005-72-3	4-Chlorophenyl-phenylether	33.0	U	1	33.0	210	ug/Kg	10/13/25 19:27	PB170067
86-73-7	Fluorene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
100-01-6	4-Nitroaniline	79.3	U	1	79.3	210	ug/Kg	10/13/25 19:27	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	10/13/25 19:27	PB170067

Raw Data: **BF143941.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-06-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-06	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	80.8
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.6	U	1	40.6	210	ug/Kg	10/13/25 19:27	PB170067
101-55-3	4-Bromophenyl-phenylether	34.3	U	1	34.3	210	ug/Kg	10/13/25 19:27	PB170067
118-74-1	Hexachlorobenzene	31.2	U	1	31.2	210	ug/Kg	10/13/25 19:27	PB170067
1912-24-9	Atrazine	42.0	U	1	42.0	210	ug/Kg	10/13/25 19:27	PB170067
87-86-5	Pentachlorophenol	63.4	U	1	63.4	410	ug/Kg	10/13/25 19:27	PB170067
85-01-8	Phenanthrene	440		1	25.8	210	ug/Kg	10/13/25 19:27	PB170067
120-12-7	Anthracene	130	J	1	41.1	210	ug/Kg	10/13/25 19:27	PB170067
86-74-8	Carbazole	38.5	U	1	38.5	210	ug/Kg	10/13/25 19:27	PB170067
84-74-2	Di-n-butylphthalate	59.2	U	1	59.2	210	ug/Kg	10/13/25 19:27	PB170067
206-44-0	Fluoranthene	520		1	37.1	210	ug/Kg	10/13/25 19:27	PB170067
129-00-0	Pyrene	330		1	44.5	210	ug/Kg	10/13/25 19:27	PB170067
85-68-7	Butylbenzylphthalate	88.2	U	1	88.2	210	ug/Kg	10/13/25 19:27	PB170067
91-94-1	3,3-Dichlorobenzidine	45.3	U	1	45.3	410	ug/Kg	10/13/25 19:27	PB170067
56-55-3	Benzo(a)anthracene	250		1	28.4	210	ug/Kg	10/13/25 19:27	PB170067
218-01-9	Chrysene	230		1	24.6	210	ug/Kg	10/13/25 19:27	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	73.1	U	1	73.1	210	ug/Kg	10/13/25 19:27	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	10/13/25 19:27	PB170067
205-99-2	Benzo(b)fluoranthene	260		1	23.5	210	ug/Kg	10/13/25 19:27	PB170067
207-08-9	Benzo(k)fluoranthene	82.9	J	1	27.7	210	ug/Kg	10/13/25 19:27	PB170067
50-32-8	Benzo(a)pyrene	220		1	36.4	210	ug/Kg	10/13/25 19:27	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	35.9	U	1	35.9	210	ug/Kg	10/13/25 19:27	PB170067
53-70-3	Dibenzo(a,h)anthracene	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067
191-24-2	Benzo(g,h,i)perylene	92.5	J	1	31.7	210	ug/Kg	10/13/25 19:27	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:27	PB170067
123-91-1	1,4-Dioxane	55.8	U	1	55.8	210	ug/Kg	10/13/25 19:27	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	33.8	U	1	33.8	210	ug/Kg	10/13/25 19:27	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	68.7			18 - 112	46%	SPK: 150		
13127-88-3	Phenol-d6	66.7			15 - 107	44%	SPK: 150		
4165-60-0	Nitrobenzene-d5	47.3			18 - 107	47%	SPK: 100		
321-60-8	2-Fluorobiphenyl	41.7			20 - 109	42%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	52.4			10 - 116	35%	SPK: 150		
1718-51-0	Terphenyl-d14	26.4			10 - 105	26%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	112000							
1146-65-2	Naphthalene-d8	409000							
15067-26-2	Acenaphthene-d10	210000							
1517-22-2	Phenanthrene-d10	300000							
1719-03-5	Chrysene-d12	253000							
1520-96-3	Perylene-d12	326000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	210	J			10.6	ug/Kg		
000613-12-7	Anthracene, 2-methyl-	310	J			11.9	ug/Kg		

Raw Data: **BF143941.D**

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

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace			Date Received:	10/09/25
Client Sample ID:	SED-06-0-2			SDG No.:	Q3323
Lab Sample ID:	Q3323-06			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	80.8
Sample Wt/Vol:	30.06 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000192-97-2	Benzo[e]pyrene	130	J			15.4	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\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Time: Oct 14 01:30:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

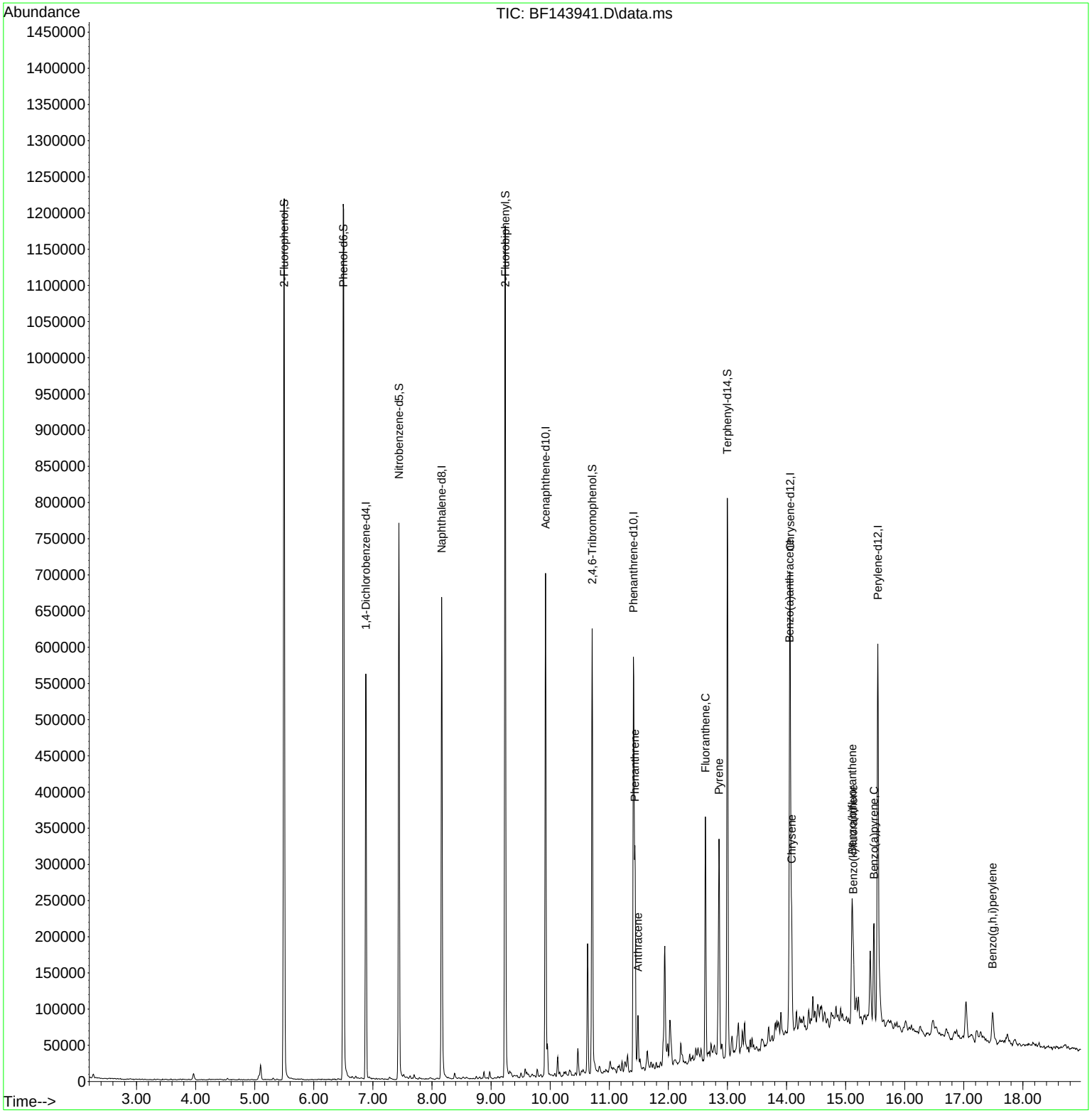
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	111779	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	409481	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	209857	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	300092	20.000	ng		0.00
76) Chrysene-d12	14.063	240	253022	20.000	ng		0.00
86) Perylene-d12	15.545	264	326397	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	483631	68.707	ng		0.00
7) Phenol-d6	6.498	99	559463	66.680	ng		-0.02
23) Nitrobenzene-d5	7.440	82	318892	47.314	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	109595	52.432	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	551868	41.727	ng		-0.01
79) Terphenyl-d14	12.998	244	390618	26.385	ng		-0.01
Target Compounds							Qvalue
71) Phenanthrene	11.433	178	156784	10.777	ng		100
72) Anthracene	11.486	178	45493	3.095	ng		97
75) Fluoranthene	12.627	202	188333	12.532	ng		97
78) Pyrene	12.857	202	169876	8.053	ng		97
81) Benzo(a)anthracene	14.051	228	102126	6.168	ng		94
83) Chrysene	14.086	228	85722	5.594	ng		98
88) Benzo(b)fluoranthene	15.110	252	118026m	6.295	ng		
89) Benzo(k)fluoranthene	15.127	252	34926m	2.013	ng		
90) Benzo(a)pyrene	15.480	252	85983	5.289	ng	#	95
92) Benzo(g,h,i)perylene	17.486	276	36138	2.247	ng		93

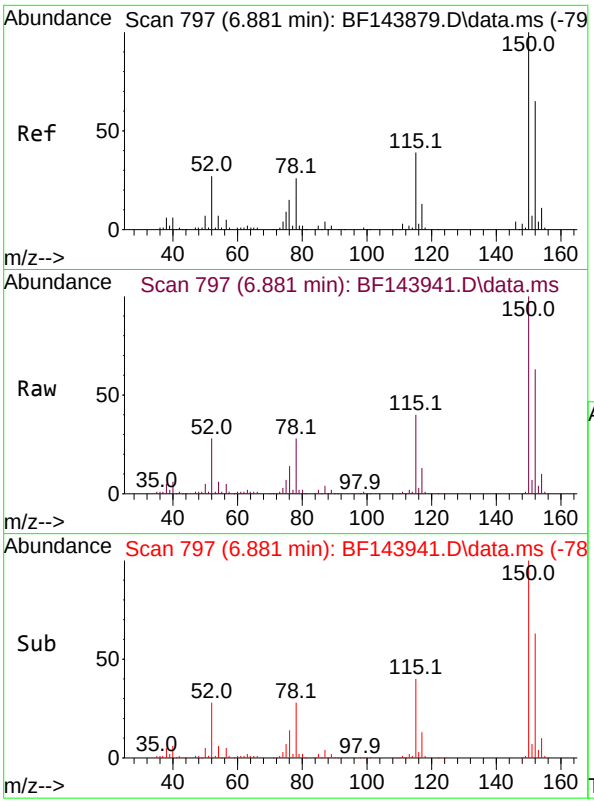
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Time: Oct 14 01:30:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



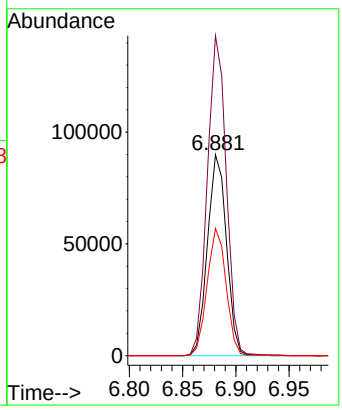


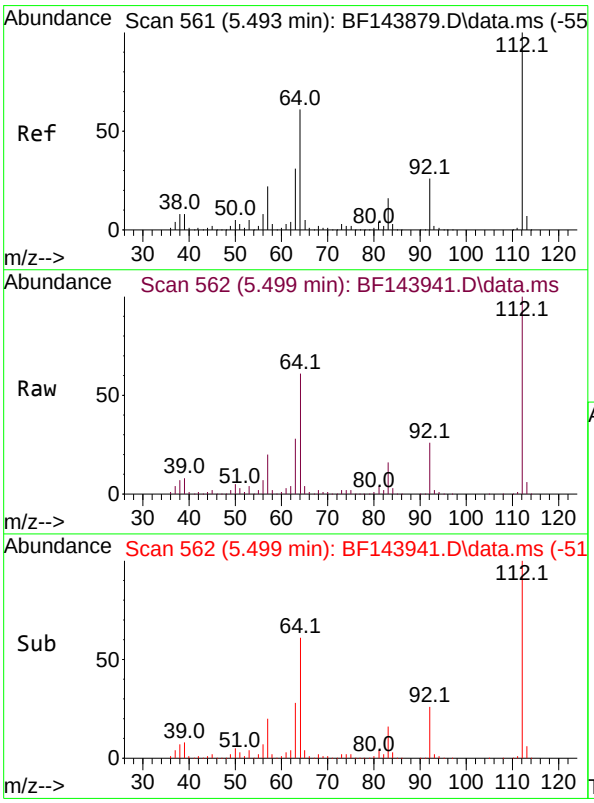
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:152 Resp: 111779

Ion	Ratio	Lower	Upper
152	100		
150	159.2	124.4	186.6
115	63.3	48.1	72.1

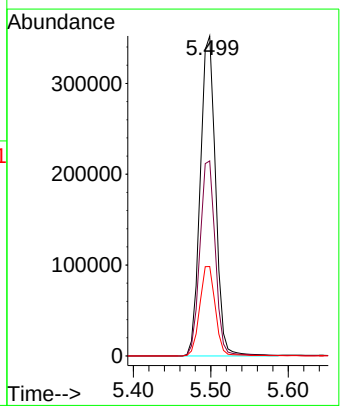


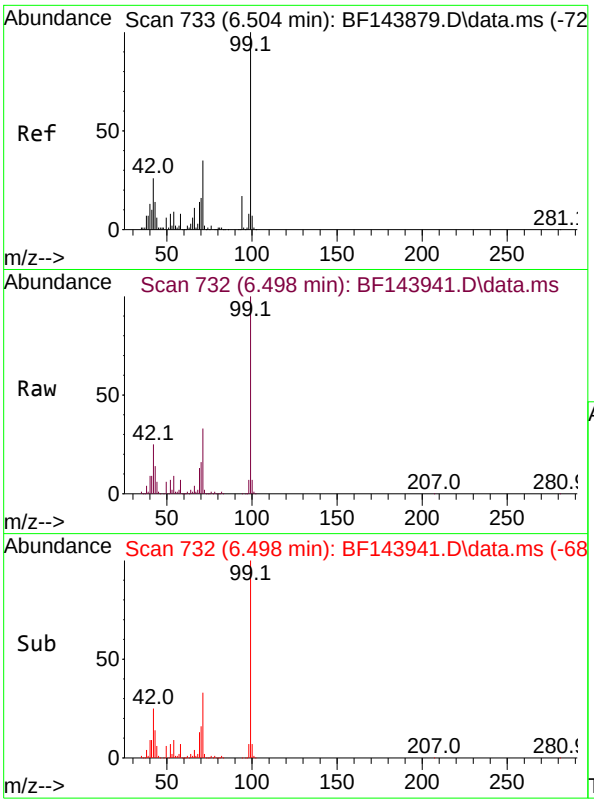


#5
2-Fluorophenol
Concen: 68.707 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:112 Resp: 483631

Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.1	73.7
63	27.9	24.5	36.7



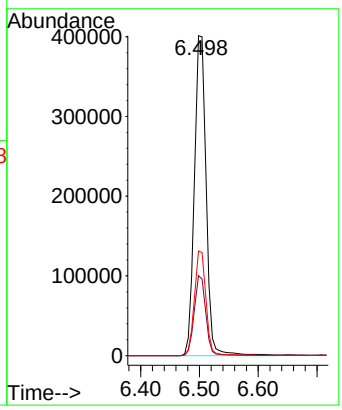


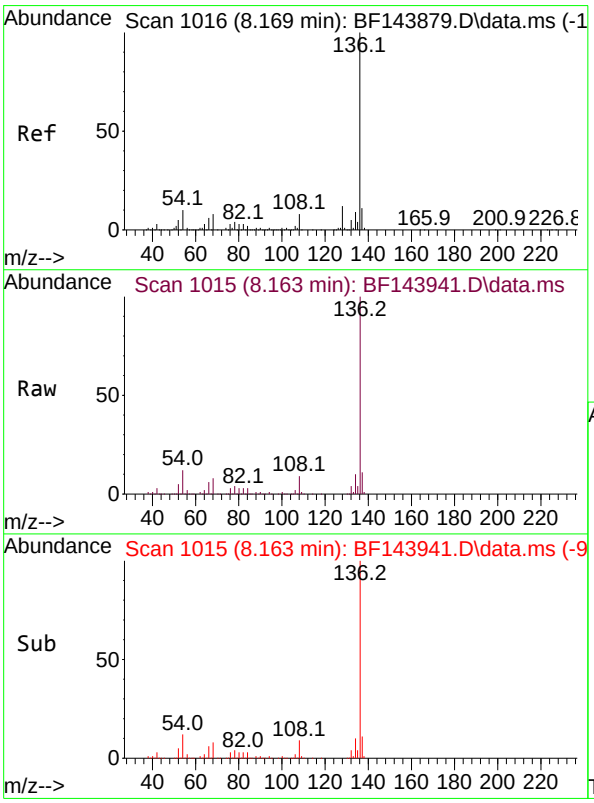
#7
Phenol-d6
Concen: 66.680 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion: 99 Resp: 559463

Ion	Ratio	Lower	Upper
99	100		
42	25.0	21.0	31.4
71	32.7	27.8	41.8

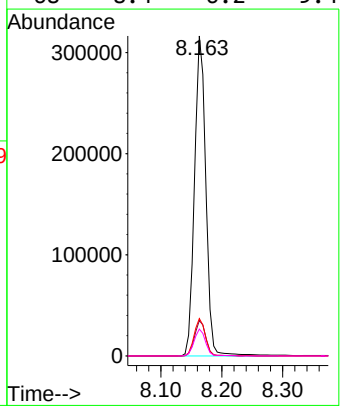


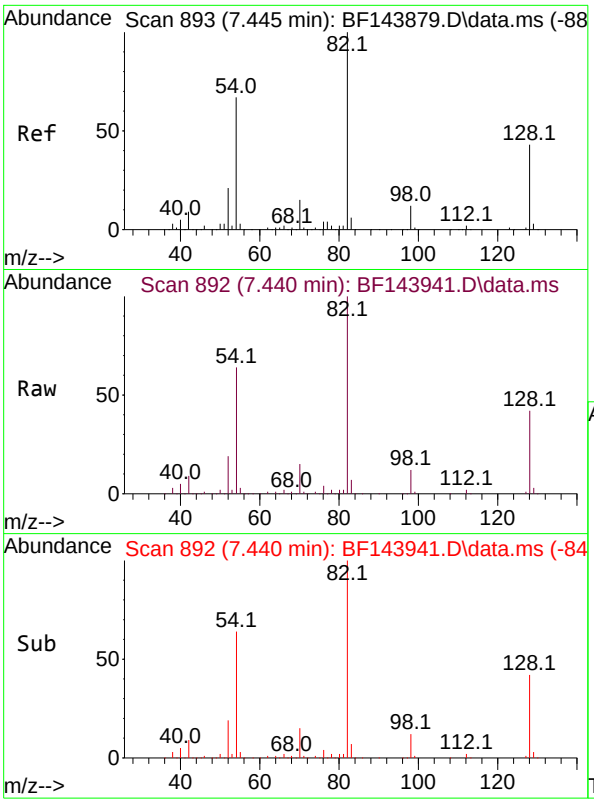


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:136 Resp: 409481

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.7	8.2	12.4
68	8.4	6.2	9.4



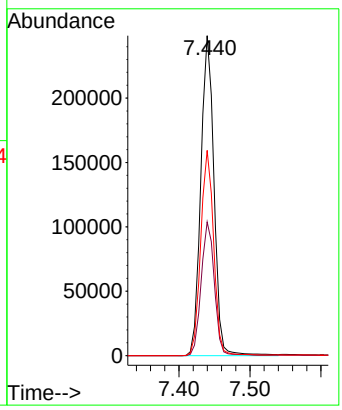


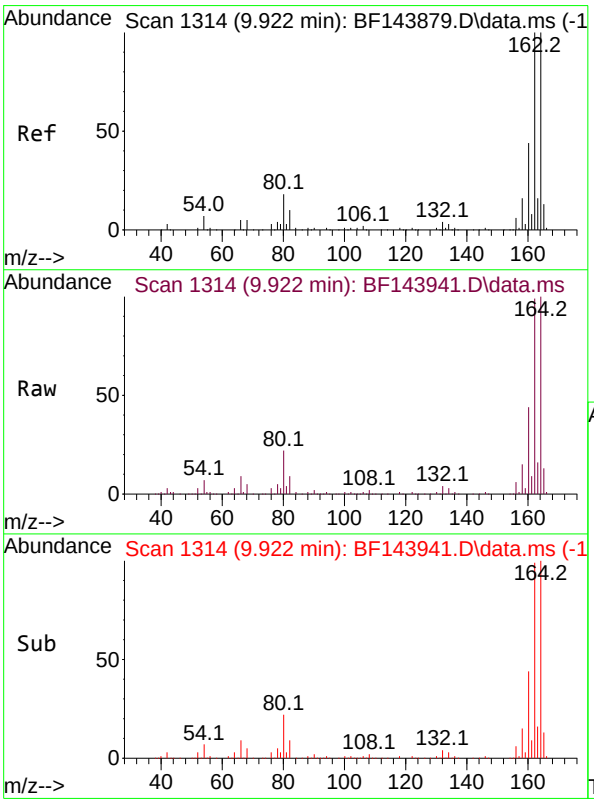
#23
Nitrobenzene-d5
Concen: 47.314 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion: 82 Resp: 318892

Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.0	51.0
54	64.1	53.2	79.8

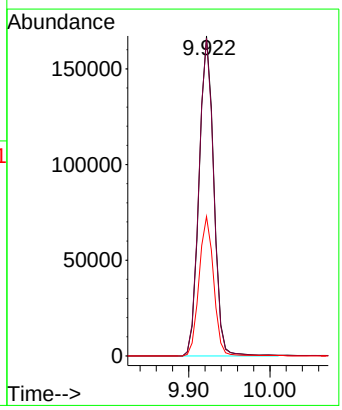


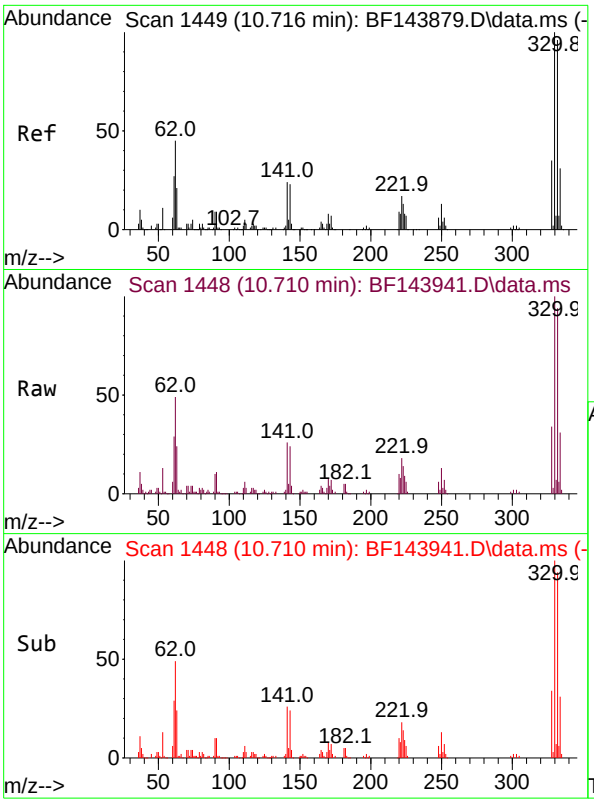


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:164 Resp: 209857

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	43.5	35.4	53.0



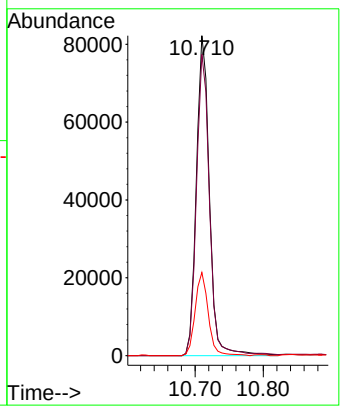


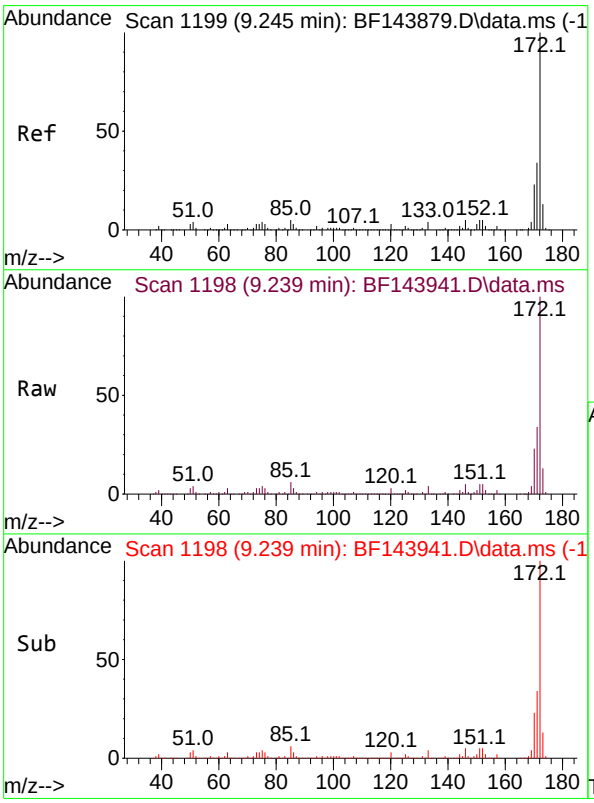
#42
2,4,6-Tribromophenol
Concen: 52.432 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:330 Resp: 109595

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.9	115.3
141	26.0	20.2	30.4

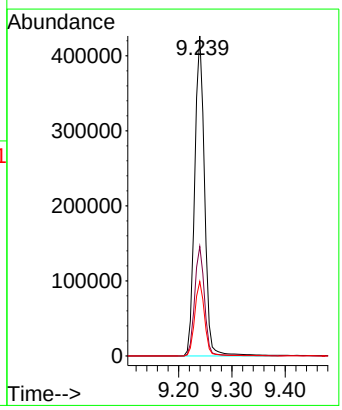


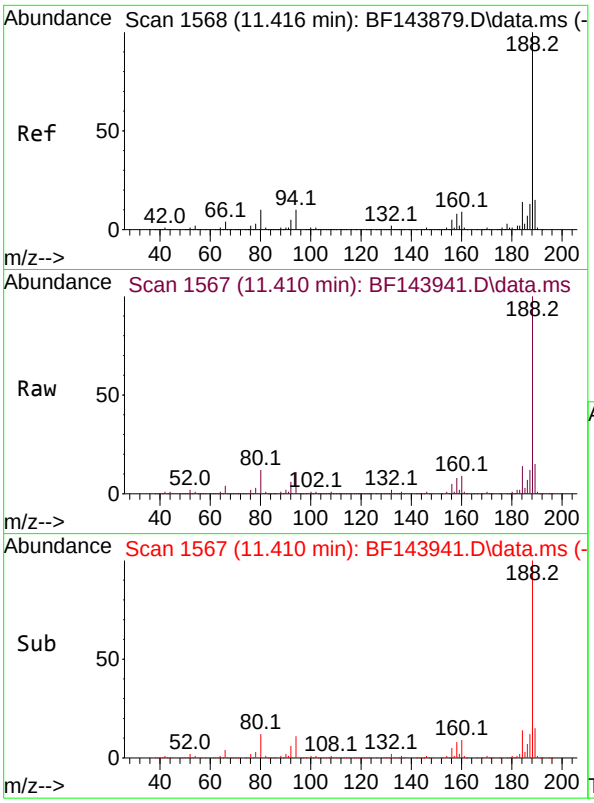


#45
2-Fluorobiphenyl
Concen: 41.727 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:172 Resp: 551868

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.2	18.6	28.0



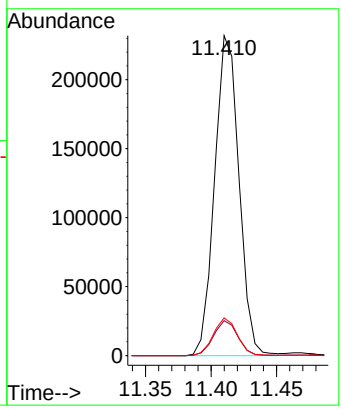


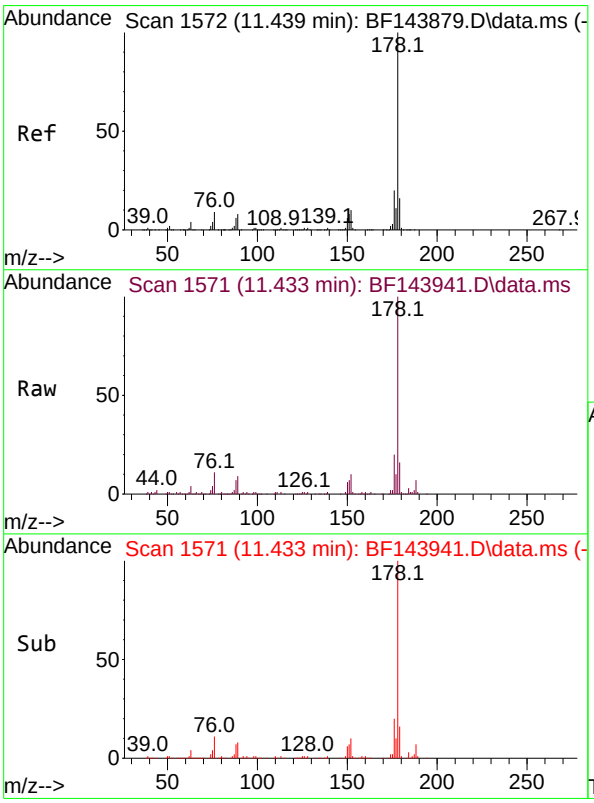
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:188 Resp: 300092

Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.8	11.6
80	11.8	7.9	11.9

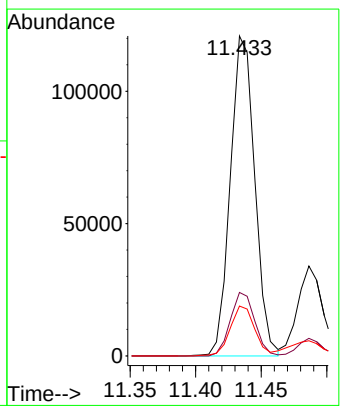


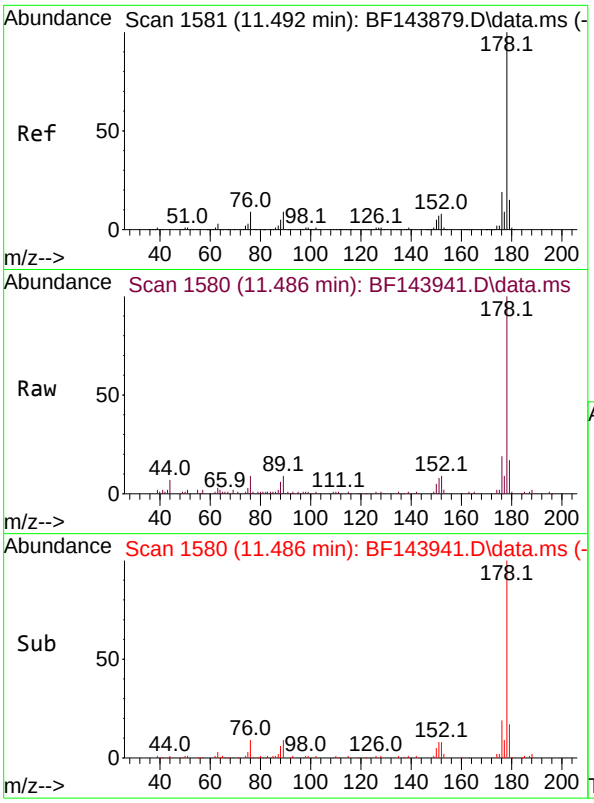


#71
Phenanthrene
Concen: 10.777 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:178 Resp: 156784

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.6	12.4	18.6



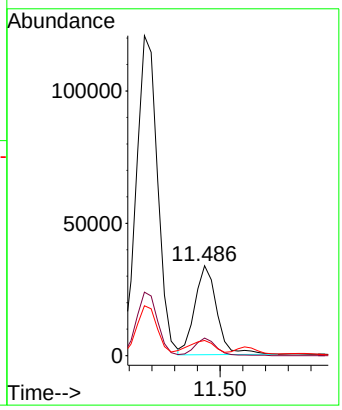


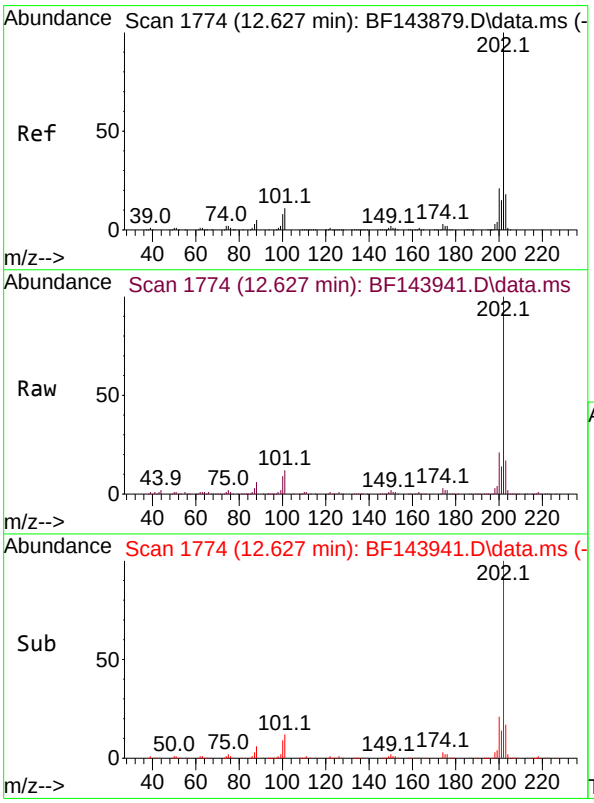
#72
Anthracene
Concen: 3.095 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:178 Resp: 45493

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.9	22.3
179	16.8	12.2	18.2

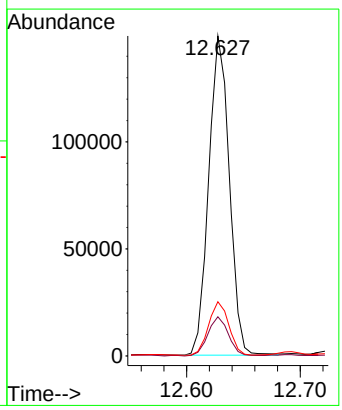


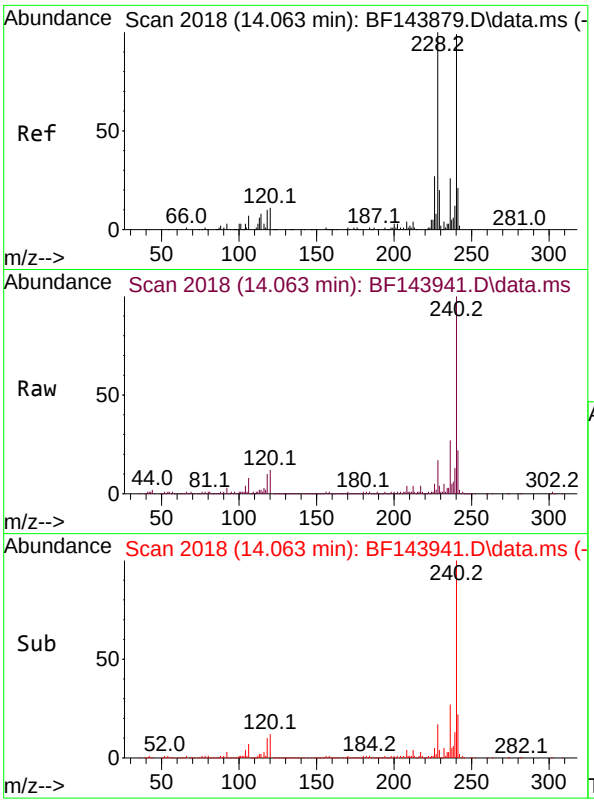


#75
Fluoranthene
Concen: 12.532 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:202 Resp: 188333

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	30.7
203	16.9	0.0	37.8



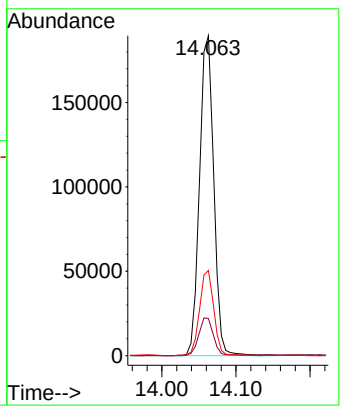


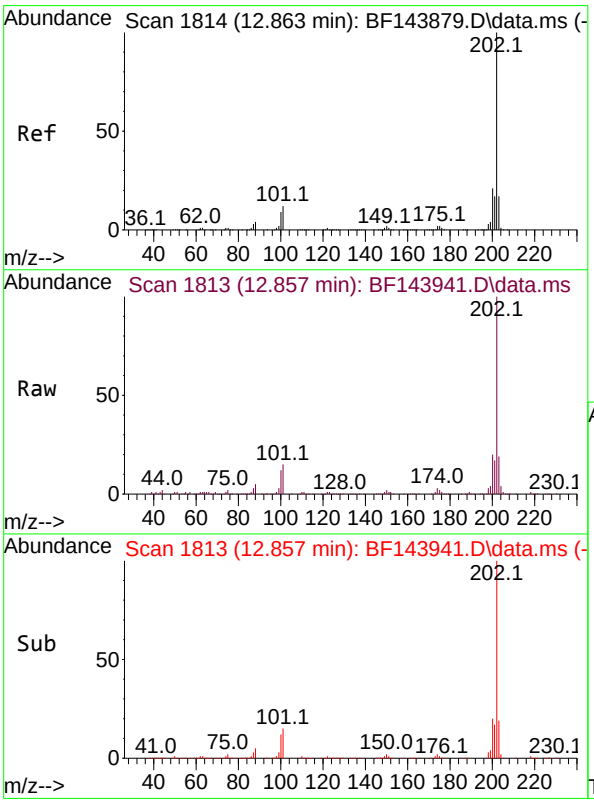
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.005 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:240 Resp: 253022

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.6	13.0
236	26.6	21.1	31.7

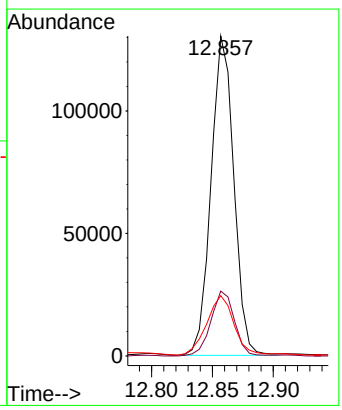


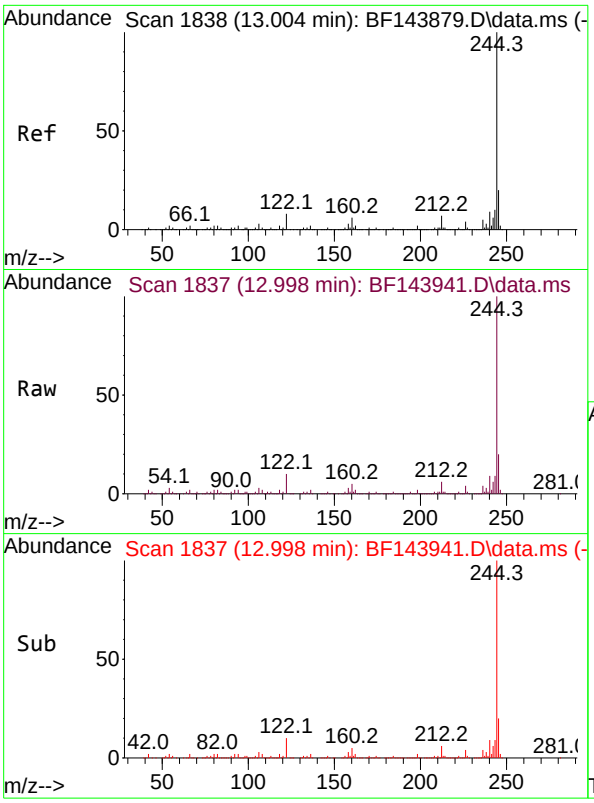


#78
Pyrene
Concen: 8.053 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:202 Resp: 169876

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	18.9	13.8	20.6



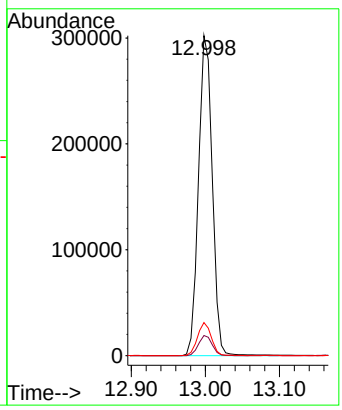


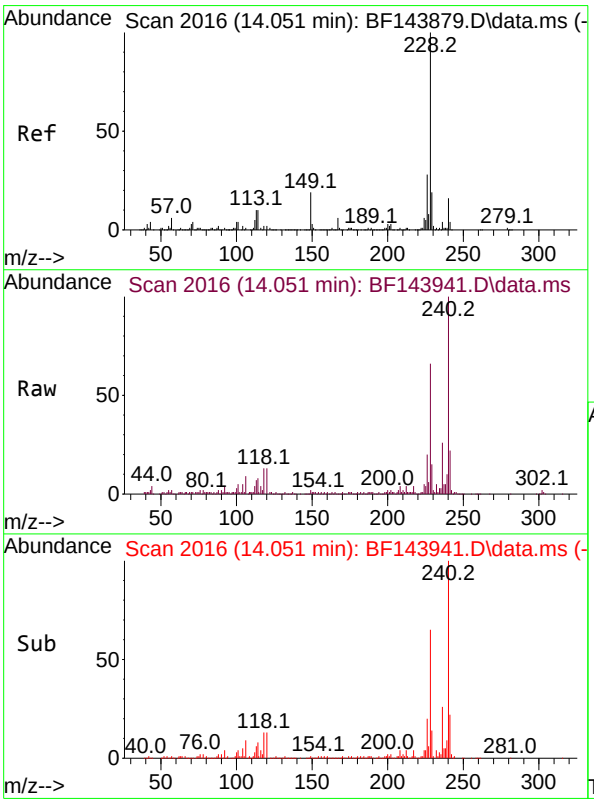
#79
Terphenyl-d14
Concen: 26.385 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:244 Resp: 390618

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.3	6.4	9.6#

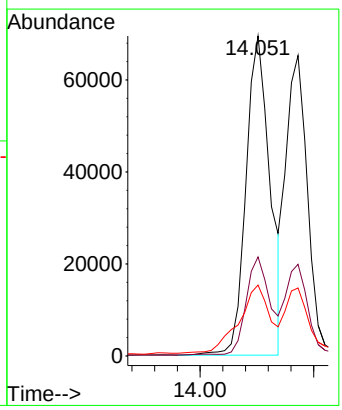


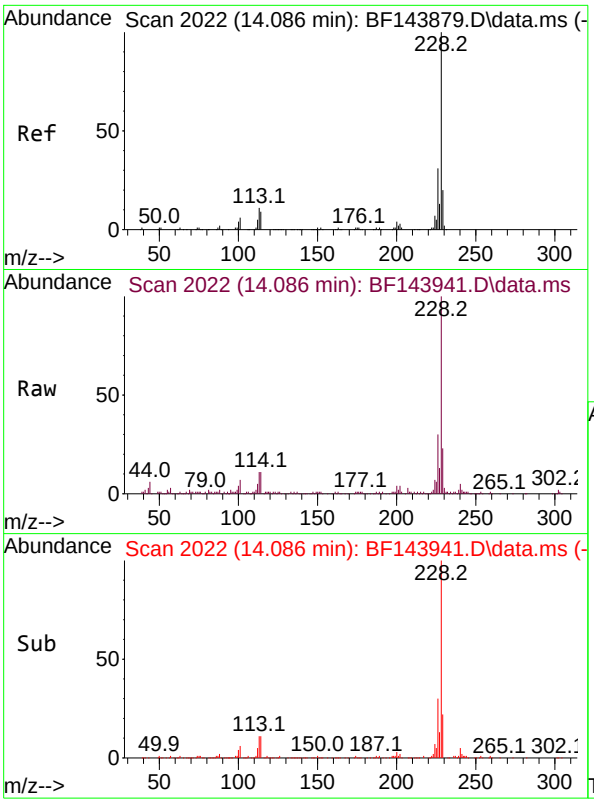


#81
Benzo(a)anthracene
Concen: 6.168 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:228 Resp: 102126

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.2
229	22.1	15.6	23.4



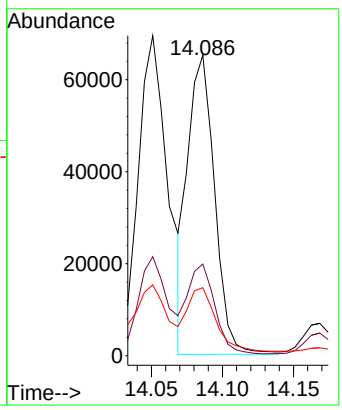


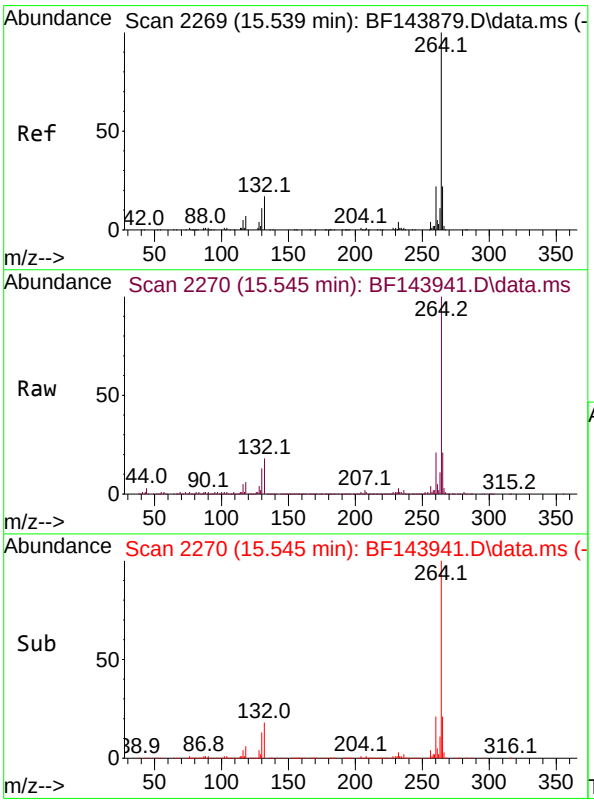
#83
Chrysene
Concen: 5.594 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:228 Resp: 85722

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.6	15.9	23.9

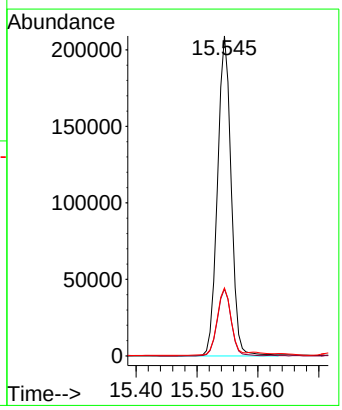


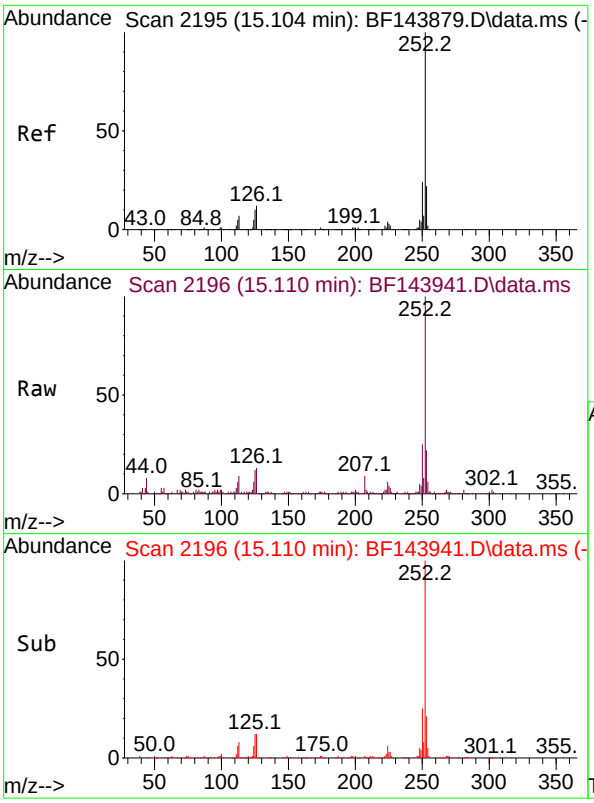


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:264 Resp: 326397

Ion	Ratio	Lower	Upper
264	100		
260	20.9	17.8	26.8
265	21.2	17.5	26.3



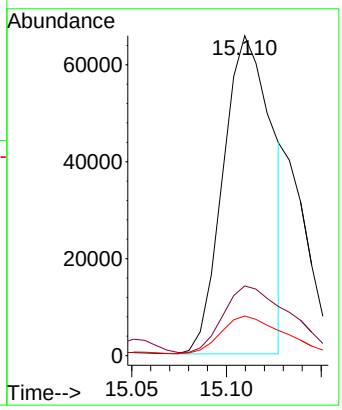


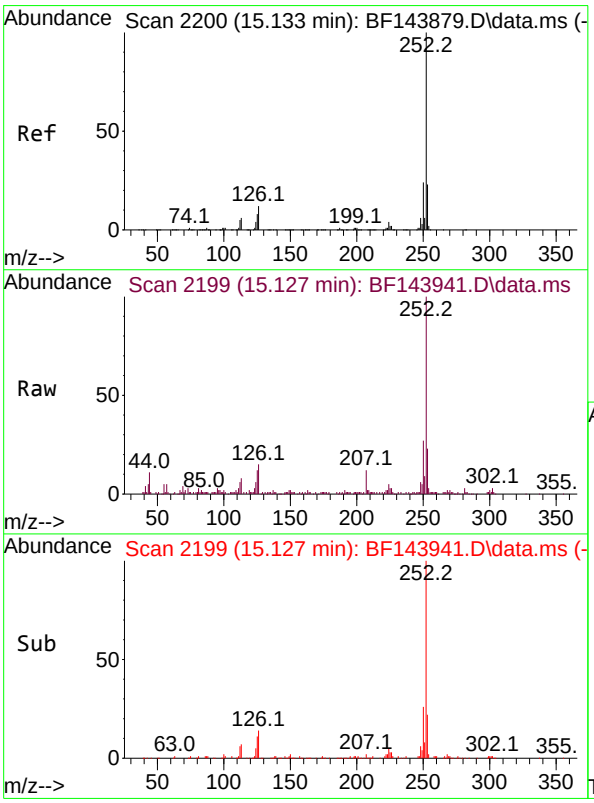
#88
Benzo(b)fluoranthene
Concen: 6.295 ng m
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:252 Resp: 118026

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	12.4	7.8	11.6#

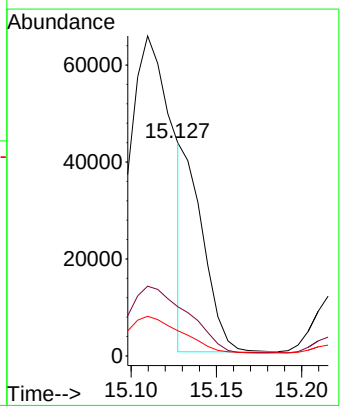


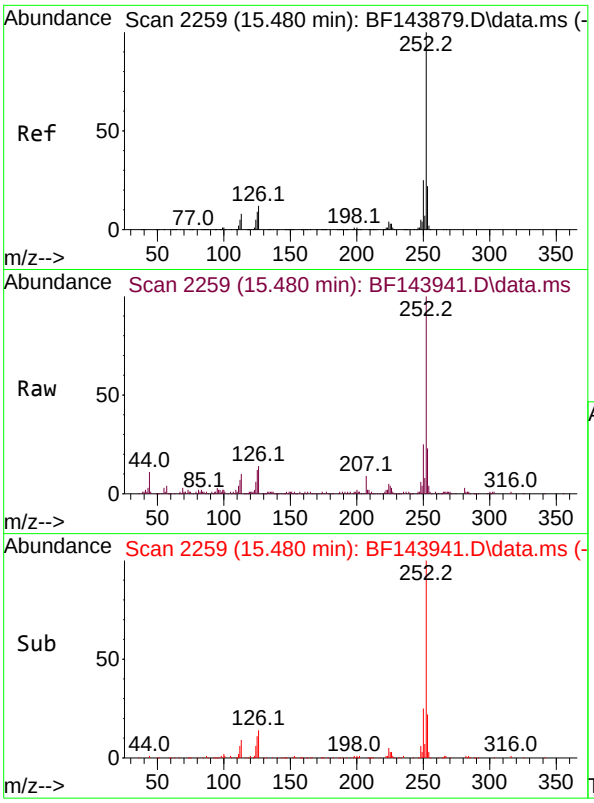


#89
Benzo(k)fluoranthene
Concen: 2.013 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:252 Resp: 34926

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.8	7.4	11.2#



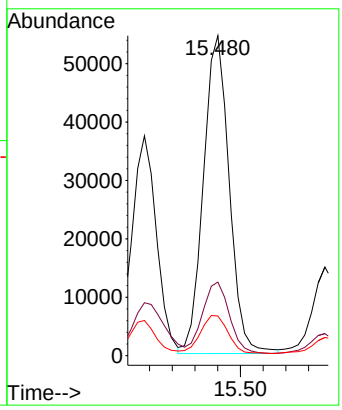


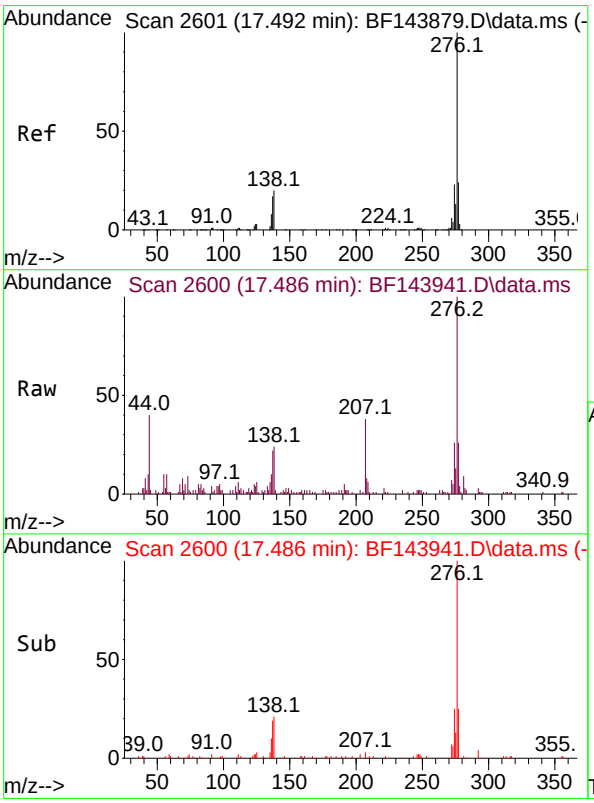
#90
Benzo(a)pyrene
Concen: 5.289 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Tgt Ion:252 Resp: 85983

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	12.4	7.0	10.4#

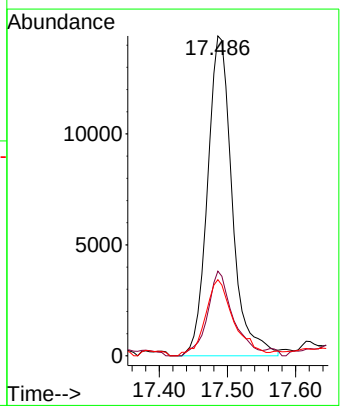




#92
Benzo(g,h,i)perylene
Concen: 2.247 ng
RT: 17.486 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF143941.D
Acq: 13 Oct 2025 19:27

Tgt Ion:276 Resp: 36138

Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.0	28.6
138	23.8	16.1	24.1



Sample Results: **BF143941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143941.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.099	481	494	503	rBV2	20407	40807	2.41%	0.242%
2	5.499	556	562	579	rBV	1217279	1683174	99.41%	10.001%
3	6.498	727	732	751	rBV	1209464	1693195	100.00%	10.061%
4	6.881	792	797	804	rBV	559584	692314	40.89%	4.114%
5	7.440	884	892	903	rBV	769171	986519	58.26%	5.862%
6	8.163	1007	1015	1031	rBV	665602	889336	52.52%	5.284%
7	9.239	1192	1198	1208	rBV	1176835	1503236	88.78%	8.932%
8	9.316	1208	1211	1220	rVB7	7946	19221	1.14%	0.114%
9	9.922	1304	1314	1318	rBV	696206	890264	52.58%	5.290%
10	9.951	1318	1319	1324	rVB	42193	39932	2.36%	0.237%
11	10.128	1344	1349	1353	rBV	26820	37013	2.19%	0.220%
12	10.469	1403	1407	1413	rVB	37270	50641	2.99%	0.301%
13	10.633	1429	1435	1442	rVB	179788	228484	13.49%	1.358%
14	10.710	1443	1448	1465	rVV	614489	835193	49.33%	4.963%
15	10.833	1465	1469	1476	rVB4	9430	18215	1.08%	0.108%
16	11.016	1494	1500	1503	rBV5	14962	25786	1.52%	0.153%
17	11.269	1538	1543	1546	rVV3	14078	27030	1.60%	0.161%
18	11.310	1546	1550	1556	rVB	23722	34037	2.01%	0.202%
19	11.410	1562	1567	1570	rBV	573323	827228	48.86%	4.915%
20	11.486	1576	1580	1584	rVB	63905	75873	4.48%	0.451%
21	11.645	1600	1607	1613	rBV2	26884	55118	3.26%	0.328%
22	11.939	1648	1657	1663	rBV2	165343	307313	18.15%	1.826%
23	11.992	1663	1666	1668	rVV	29282	40911	2.42%	0.243%
24	12.028	1668	1672	1681	rVB2	61917	124494	7.35%	0.740%
25	12.116	1681	1687	1694	rBV2	6833	19488	1.15%	0.116%
26	12.210	1700	1703	1707	rBV2	24698	35296	2.08%	0.210%
27	12.463	1743	1746	1750	rBV	14465	20993	1.24%	0.125%
28	12.504	1750	1753	1758	rVV4	13678	21820	1.29%	0.130%
29	12.551	1758	1761	1766	rVB3	17090	25167	1.49%	0.150%
30	12.627	1769	1774	1779	rBV	337014	427050	25.22%	2.538%
31	12.722	1787	1790	1795	rBV4	17034	24544	1.45%	0.146%
32	12.857	1806	1813	1819	rBV	297743	452139	26.70%	2.687%
33	12.998	1830	1837	1845	rBV	772512	1050463	62.04%	6.242%
34	13.075	1846	1850	1855	rBV2	24523	43208	2.55%	0.257%
35	13.186	1862	1869	1873	rVB2	41920	82226	4.86%	0.489%
36	13.251	1877	1880	1883	rVV2	27266	35906	2.12%	0.213%

Sample Results: **BF143941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.292	1883	1887	1894	rVB3	36655	60090	3.55%	0.357%
38	13.386	1899	1903	1905	rBV	16582	21016	1.24%	0.125%
39	13.580	1932	1936	1937	rBV4	14378	19270	1.14%	0.115%
40	13.698	1952	1956	1961	rBV2	21501	32917	1.94%	0.196%
41	13.810	1971	1975	1977	rBV2	21180	30844	1.82%	0.183%
42	13.904	1988	1991	2000	rVB3	30991	47785	2.82%	0.284%
43	14.057	2010	2017	2029	rBV2	637320	1214130	71.71%	7.214%
44	14.169	2033	2036	2039	rVB	24315	28493	1.68%	0.169%
45	14.374	2068	2071	2075	rBV2	21826	29825	1.76%	0.177%
46	14.445	2080	2083	2086	rVV	32630	38989	2.30%	0.232%
47	14.527	2094	2097	2102	rBV4	21364	39305	2.32%	0.234%
48	15.110	2191	2196	2204	rBV	170732	412709	24.37%	2.452%
49	15.416	2244	2248	2254	rVB	93931	147955	8.74%	0.879%
50	15.480	2254	2259	2264	rVV	133494	202967	11.99%	1.206%
51	15.545	2264	2270	2283	rVB	522119	916243	54.11%	5.444%
52	17.039	2519	2524	2531	rVB2	49165	105224	6.21%	0.625%
53	17.486	2595	2600	2613	rVB2	43751	117948	6.97%	0.701%

Sum of corrected areas: 16829344

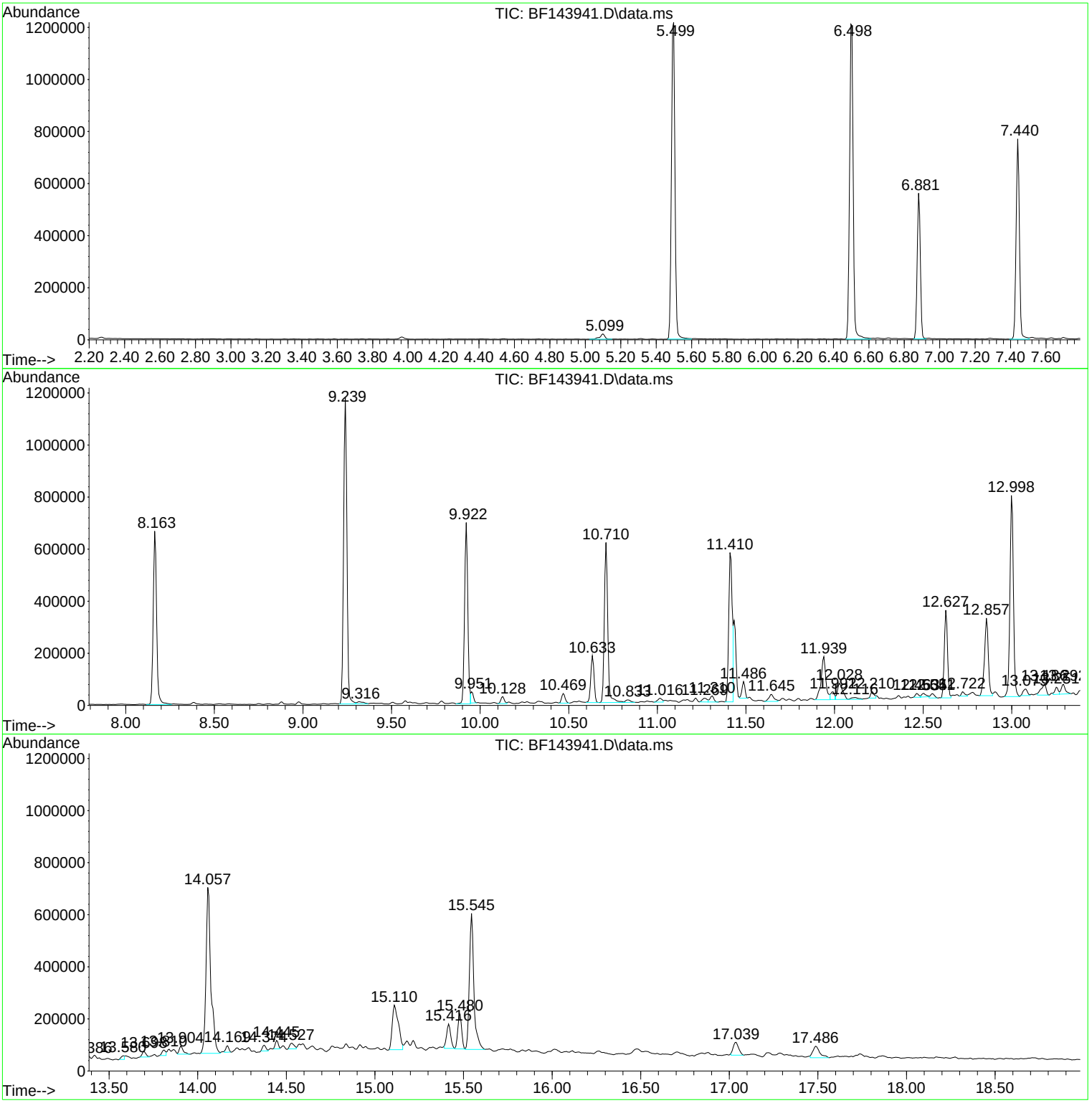
Sample Results: **BF143941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

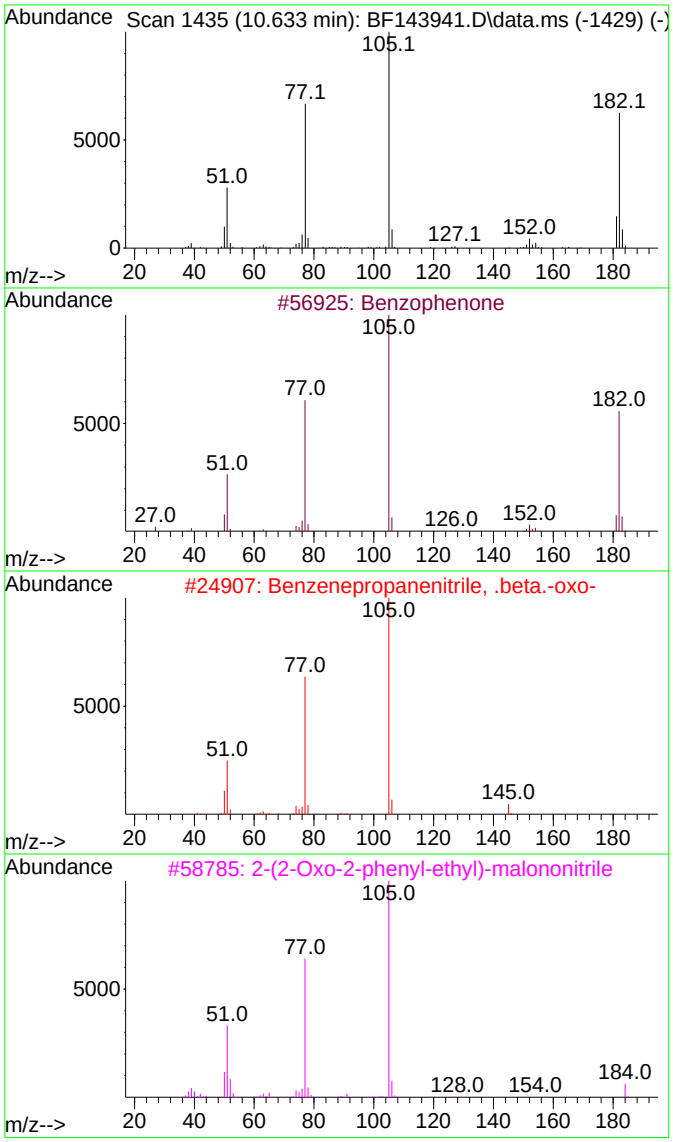
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

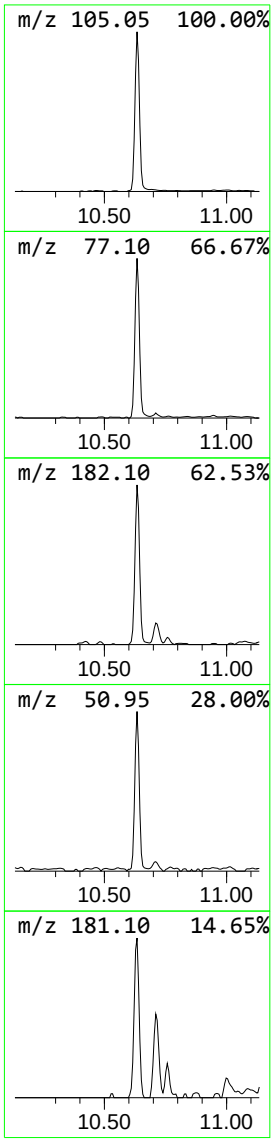
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	5.13 ng	228484	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	49
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	47
4	.beta.-Benzilmonoxime	225	C14H11NO2	014090-77-8	47
5	2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47





Sample Results: **BF143941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

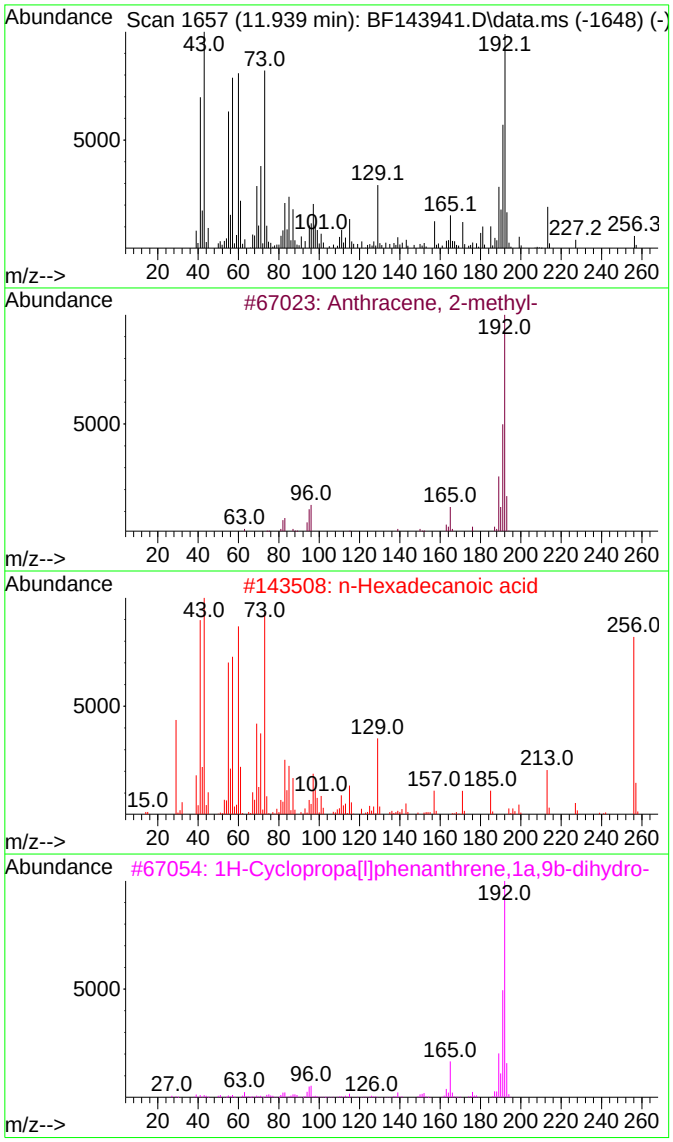
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

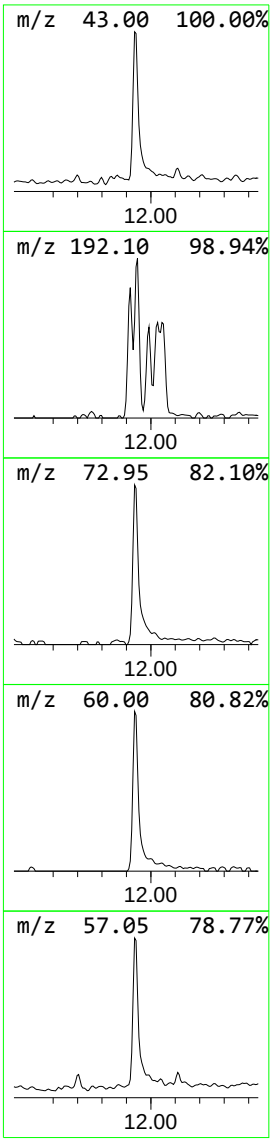
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	7.43 ng	307313	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

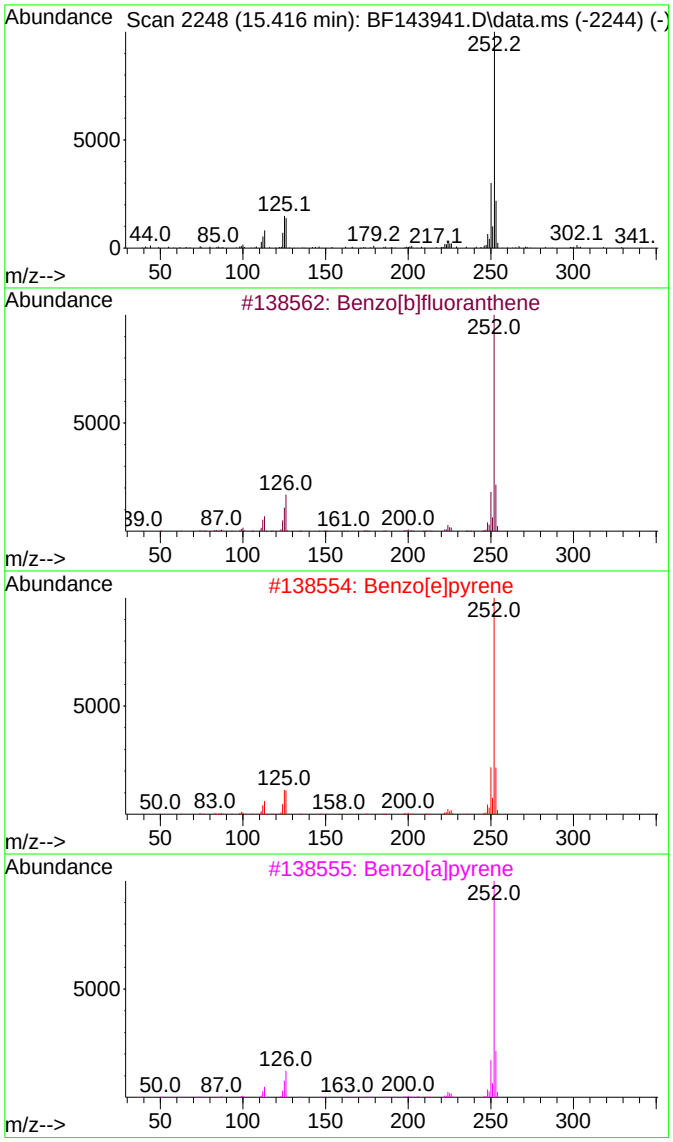
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

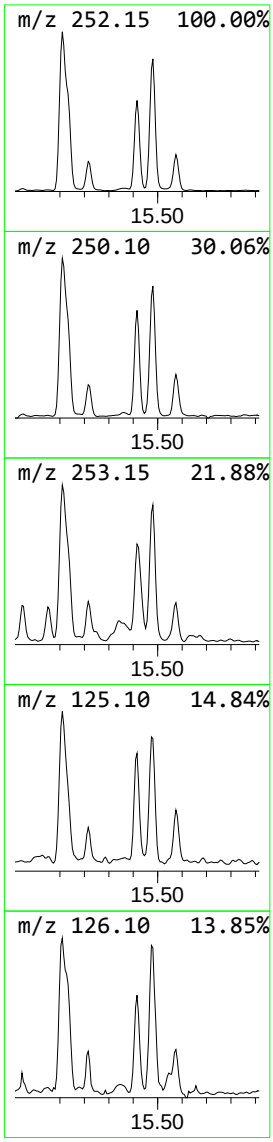
****

Peak Number 4 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.416	3.23 ng	147955	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Sample Results: **BF143941.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143941.D
Acq On : 13 Oct 2025 19:27
Operator : RC/JU
Sample : Q3323-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-06-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.634	5.1	ng	228484	3	9.922	890264	20.0
Anthracene, 2-m...	11.939	7.4	ng	307313	4	11.410	827228	20.0
Benzo[e]pyrene	15.416	3.2	ng	147955	6	15.545	916243	20.0

Raw Data: **BF143942.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-07-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-07	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.2
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	190	U	1	190	410	ug/Kg	10/13/25 19:56	PB170067
108-95-2	Phenol	27.2	U	1	27.2	210	ug/Kg	10/13/25 19:56	PB170067
111-44-4	bis(2-Chloroethyl)ether	29.9	U	1	29.9	210	ug/Kg	10/13/25 19:56	PB170067
95-57-8	2-Chlorophenol	30.0	U	1	30.0	210	ug/Kg	10/13/25 19:56	PB170067
95-48-7	2-Methylphenol	36.8	U	1	36.8	210	ug/Kg	10/13/25 19:56	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	46.1	U	1	46.1	210	ug/Kg	10/13/25 19:56	PB170067
98-86-2	Acetophenone	36.3	U	1	36.3	210	ug/Kg	10/13/25 19:56	PB170067
65794-96-9	3+4-Methylphenols	50.6	U	1	50.6	410	ug/Kg	10/13/25 19:56	PB170067
621-64-7	n-Nitroso-di-n-propylamine	58.3	U	1	58.3	98.4	ug/Kg	10/13/25 19:56	PB170067
67-72-1	Hexachloroethane	21.7	U	1	21.7	210	ug/Kg	10/13/25 19:56	PB170067
98-95-3	Nitrobenzene	22.5	U	1	22.5	210	ug/Kg	10/13/25 19:56	PB170067
78-59-1	Isophorone	40.4	U	1	40.4	210	ug/Kg	10/13/25 19:56	PB170067
88-75-5	2-Nitrophenol	71.6	U	1	71.6	210	ug/Kg	10/13/25 19:56	PB170067
105-67-9	2,4-Dimethylphenol	79.7	U	1	79.7	210	ug/Kg	10/13/25 19:56	PB170067
111-91-1	bis(2-Chloroethoxy)methane	37.9	U	1	37.9	210	ug/Kg	10/13/25 19:56	PB170067
120-83-2	2,4-Dichlorophenol	34.8	U	1	34.8	210	ug/Kg	10/13/25 19:56	PB170067
91-20-3	Naphthalene	27.9	U	1	27.9	210	ug/Kg	10/13/25 19:56	PB170067
106-47-8	4-Chloroaniline	43.6	U	1	43.6	210	ug/Kg	10/13/25 19:56	PB170067
87-68-3	Hexachlorobutadiene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
105-60-2	Caprolactam	64.1	U	1	64.1	410	ug/Kg	10/13/25 19:56	PB170067
59-50-7	4-Chloro-3-methylphenol	35.3	U	1	35.3	210	ug/Kg	10/13/25 19:56	PB170067
91-57-6	2-Methylnaphthalene	31.5	U	1	31.5	210	ug/Kg	10/13/25 19:56	PB170067
77-47-4	Hexachlorocyclopentadiene	140	U	1	140	410	ug/Kg	10/13/25 19:56	PB170067
88-06-2	2,4,6-Trichlorophenol	24.4	U	1	24.4	210	ug/Kg	10/13/25 19:56	PB170067
95-95-4	2,4,5-Trichlorophenol	35.8	U	1	35.8	210	ug/Kg	10/13/25 19:56	PB170067
92-52-4	1,1-Biphenyl	26.8	U	1	26.8	210	ug/Kg	10/13/25 19:56	PB170067
91-58-7	2-Chloronaphthalene	27.7	U	1	27.7	210	ug/Kg	10/13/25 19:56	PB170067
88-74-4	2-Nitroaniline	59.2	U	1	59.2	210	ug/Kg	10/13/25 19:56	PB170067
131-11-3	Dimethylphthalate	33.3	U	1	33.3	210	ug/Kg	10/13/25 19:56	PB170067
208-96-8	Acenaphthylene	35.6	U	1	35.6	210	ug/Kg	10/13/25 19:56	PB170067
606-20-2	2,6-Dinitrotoluene	41.3	U	1	41.3	210	ug/Kg	10/13/25 19:56	PB170067
99-09-2	3-Nitroaniline	56.6	U	1	56.6	210	ug/Kg	10/13/25 19:56	PB170067
83-32-9	Acenaphthene	26.2	U	1	26.2	210	ug/Kg	10/13/25 19:56	PB170067
51-28-5	2,4-Dinitrophenol	280	U	1	280	410	ug/Kg	10/13/25 19:56	PB170067
100-02-7	4-Nitrophenol	130	U	1	130	410	ug/Kg	10/13/25 19:56	PB170067
132-64-9	Dibenzofuran	27.9	U	1	27.9	210	ug/Kg	10/13/25 19:56	PB170067
121-14-2	2,4-Dinitrotoluene	61.6	U	1	61.6	210	ug/Kg	10/13/25 19:56	PB170067
84-66-2	Diethylphthalate	34.8	U	1	34.8	210	ug/Kg	10/13/25 19:56	PB170067
7005-72-3	4-Chlorophenyl-phenylether	32.8	U	1	32.8	210	ug/Kg	10/13/25 19:56	PB170067
86-73-7	Fluorene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
100-01-6	4-Nitroaniline	79.0	U	1	79.0	210	ug/Kg	10/13/25 19:56	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	130	U	1	130	410	ug/Kg	10/13/25 19:56	PB170067

Raw Data: **BF143942.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-07-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-07	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.2
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	40.5	U	1	40.5	210	ug/Kg	10/13/25 19:56	PB170067
101-55-3	4-Bromophenyl-phenylether	34.2	U	1	34.2	210	ug/Kg	10/13/25 19:56	PB170067
118-74-1	Hexachlorobenzene	31.1	U	1	31.1	210	ug/Kg	10/13/25 19:56	PB170067
1912-24-9	Atrazine	41.8	U	1	41.8	210	ug/Kg	10/13/25 19:56	PB170067
87-86-5	Pentachlorophenol	63.1	U	1	63.1	410	ug/Kg	10/13/25 19:56	PB170067
85-01-8	Phenanthrene	25.7	U	1	25.7	210	ug/Kg	10/13/25 19:56	PB170067
120-12-7	Anthracene	41.0	U	1	41.0	210	ug/Kg	10/13/25 19:56	PB170067
86-74-8	Carbazole	38.4	U	1	38.4	210	ug/Kg	10/13/25 19:56	PB170067
84-74-2	Di-n-butylphthalate	58.9	U	1	58.9	210	ug/Kg	10/13/25 19:56	PB170067
206-44-0	Fluoranthene	170	J	1	36.9	210	ug/Kg	10/13/25 19:56	PB170067
129-00-0	Pyrene	100	J	1	44.3	210	ug/Kg	10/13/25 19:56	PB170067
85-68-7	Butylbenzylphthalate	87.8	U	1	87.8	210	ug/Kg	10/13/25 19:56	PB170067
91-94-1	3,3-Dichlorobenzidine	45.2	U	1	45.2	410	ug/Kg	10/13/25 19:56	PB170067
56-55-3	Benzo(a)anthracene	86.9	J	1	28.3	210	ug/Kg	10/13/25 19:56	PB170067
218-01-9	Chrysene	24.5	U	1	24.5	210	ug/Kg	10/13/25 19:56	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	72.8	U	1	72.8	210	ug/Kg	10/13/25 19:56	PB170067
117-84-0	Di-n-octyl phthalate	110	U	1	110	410	ug/Kg	10/13/25 19:56	PB170067
205-99-2	Benzo(b)fluoranthene	120	J	1	23.4	210	ug/Kg	10/13/25 19:56	PB170067
207-08-9	Benzo(k)fluoranthene	27.6	U	1	27.6	210	ug/Kg	10/13/25 19:56	PB170067
50-32-8	Benzo(a)pyrene	93.8	J	1	36.3	210	ug/Kg	10/13/25 19:56	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	35.8	U	1	35.8	210	ug/Kg	10/13/25 19:56	PB170067
53-70-3	Dibenzo(a,h)anthracene	33.7	U	1	33.7	210	ug/Kg	10/13/25 19:56	PB170067
191-24-2	Benzo(g,h,i)perylene	31.6	U	1	31.6	210	ug/Kg	10/13/25 19:56	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	31.5	U	1	31.5	210	ug/Kg	10/13/25 19:56	PB170067
123-91-1	1,4-Dioxane	55.6	U	1	55.6	210	ug/Kg	10/13/25 19:56	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	33.7	U	1	33.7	210	ug/Kg	10/13/25 19:56	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	68.5			18 - 112	46%	SPK: 150		
13127-88-3	Phenol-d6	64.1			15 - 107	43%	SPK: 150		
4165-60-0	Nitrobenzene-d5	46.2			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	40.3			20 - 109	40%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	48.7			10 - 116	32%	SPK: 150		
1718-51-0	Terphenyl-d14	22.3			10 - 105	22%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	96800							
1146-65-2	Naphthalene-d8	347000							
15067-26-2	Acenaphthene-d10	150000							
1517-22-2	Phenanthrene-d10	226000							
1719-03-5	Chrysene-d12	250000							
1520-96-3	Perylene-d12	273000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	180	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	250	J			11.9	ug/Kg		

Raw Data: **BF143942.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-07-0-2	SDG No.:	Q3323
Lab Sample ID:	Q3323-07	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	81.2
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Time: Oct 14 01:30:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

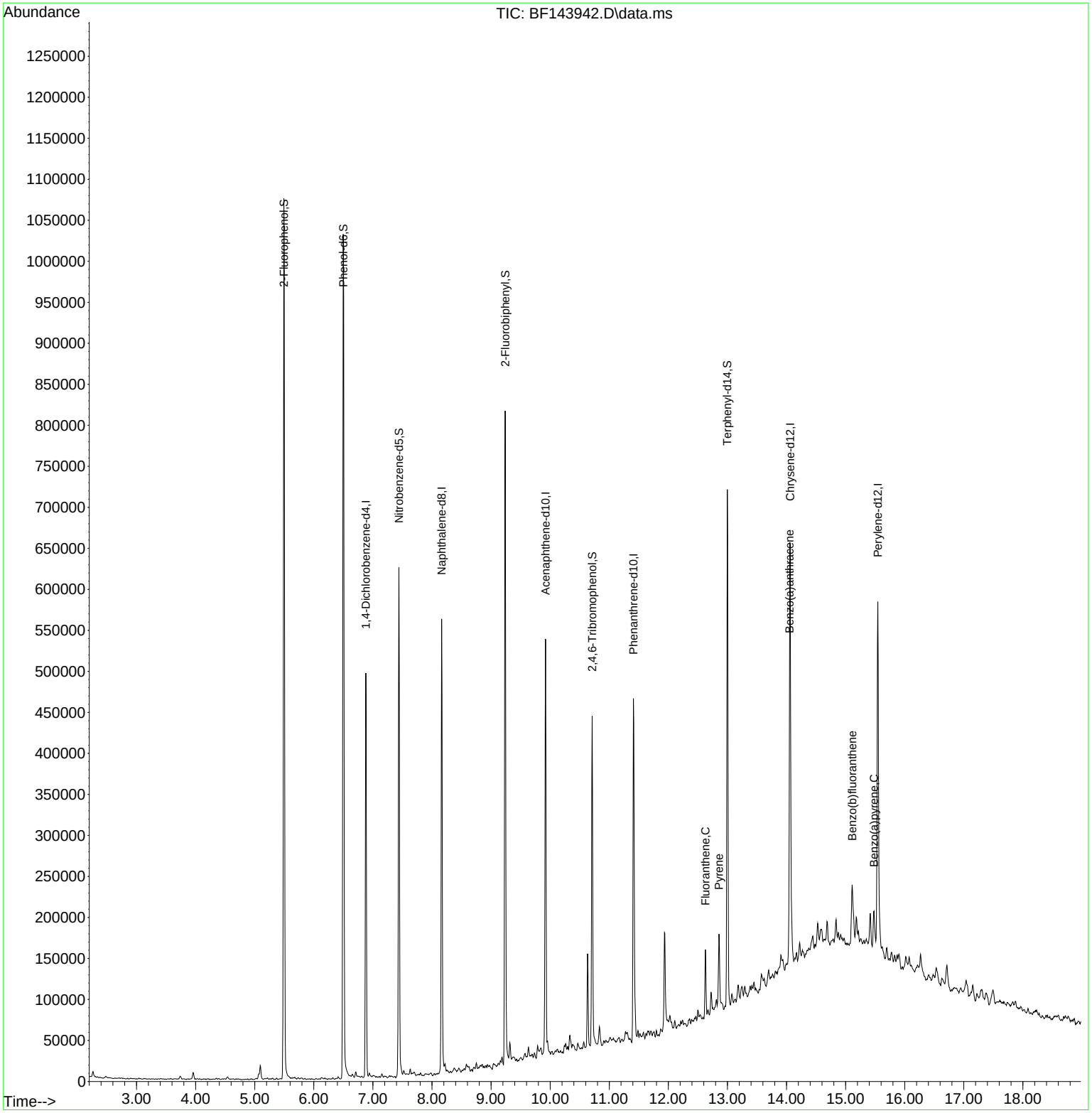
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	96804	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	346821	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	149732	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	225565	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	250053	20.000	ng	0.00
86) Perylene-d12	15.545	264	272960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	417792	68.535	ng	0.00
7) Phenol-d6	6.498	99	465626	64.081	ng	-0.02
23) Nitrobenzene-d5	7.440	82	263623	46.180	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	72696	48.745	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	379923	40.261	ng	-0.01
79) Terphenyl-d14	12.998	244	326304	22.302	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.628	202	47135	4.173	ng	97
78) Pyrene	12.857	202	51244	2.458	ng	96
81) Benzo(a)anthracene	14.051	228	34655	2.118	ng	95
88) Benzo(b)fluoranthene	15.110	252	45035m	2.872	ng	
90) Benzo(a)pyrene	15.480	252	31100	2.287	ng	# 92

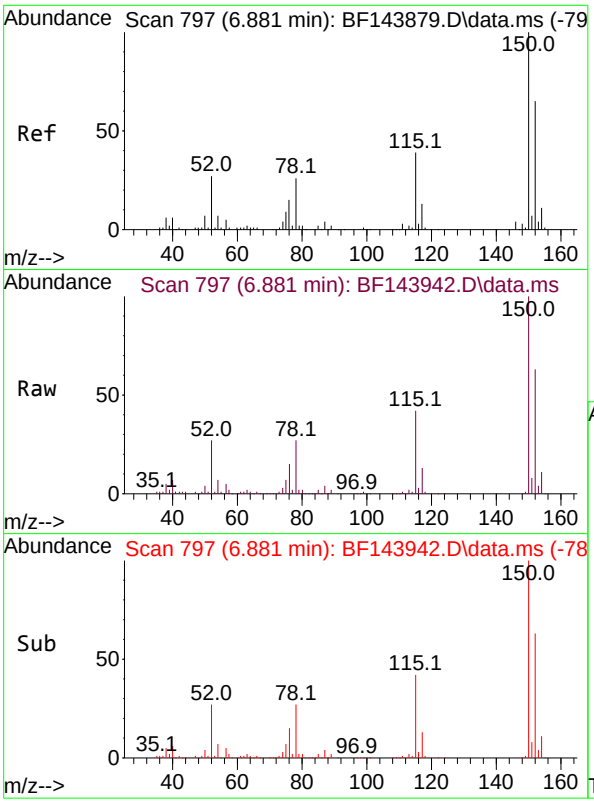
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Time: Oct 14 01:30:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



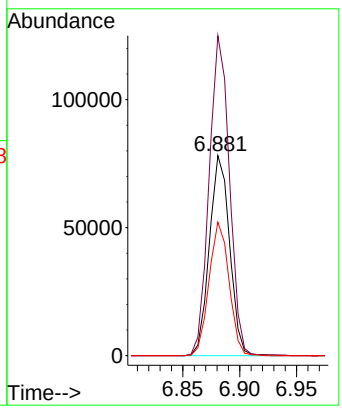


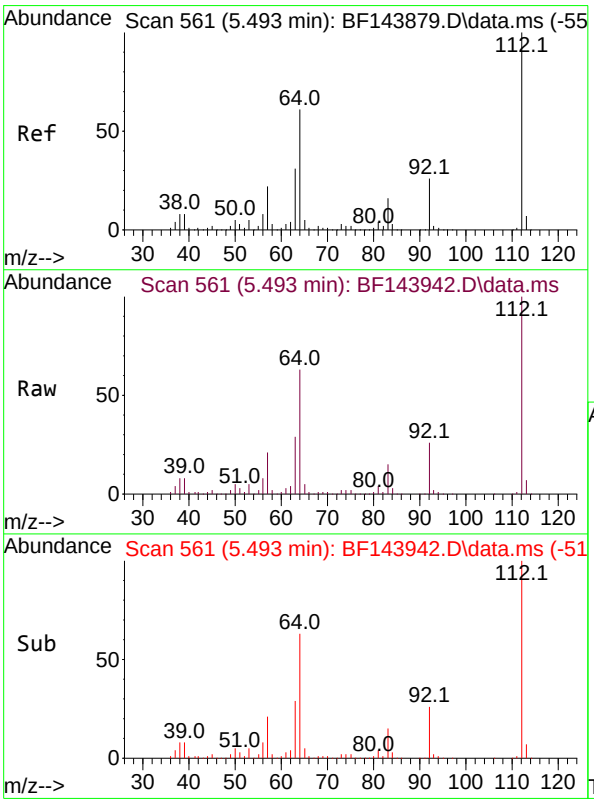
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:152 Resp: 96804

Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	66.7	48.1	72.1

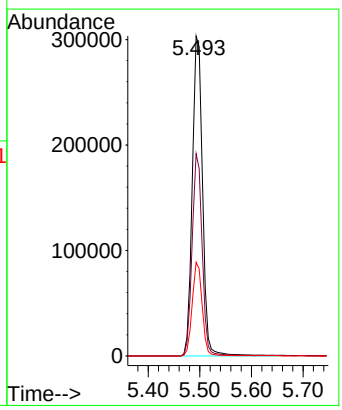


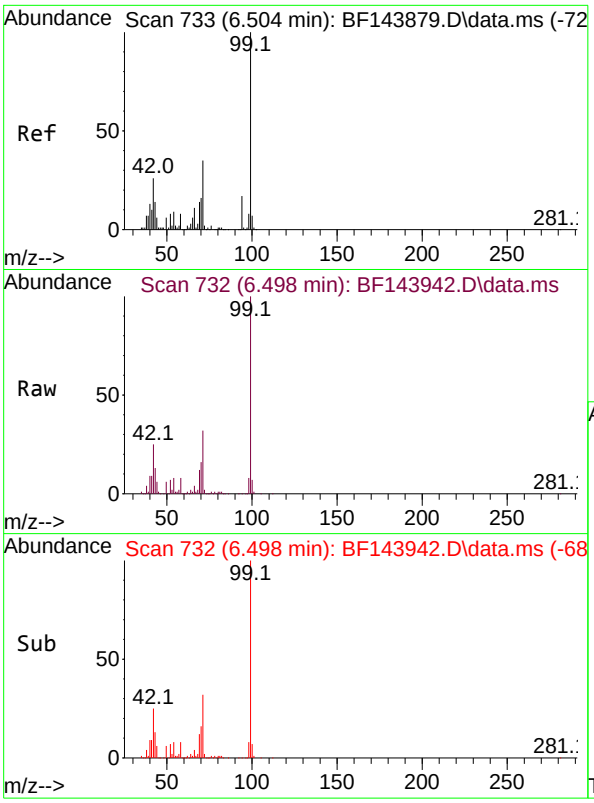


#5
2-Fluorophenol
Concen: 68.535 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:112 Resp: 417792

Ion	Ratio	Lower	Upper
112	100		
64	63.2	49.1	73.7
63	29.2	24.5	36.7



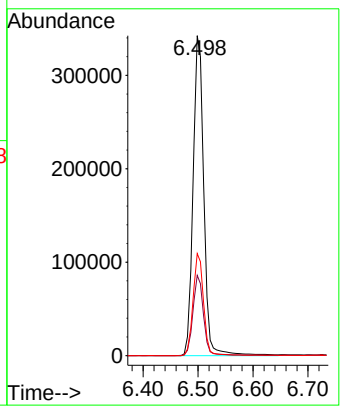


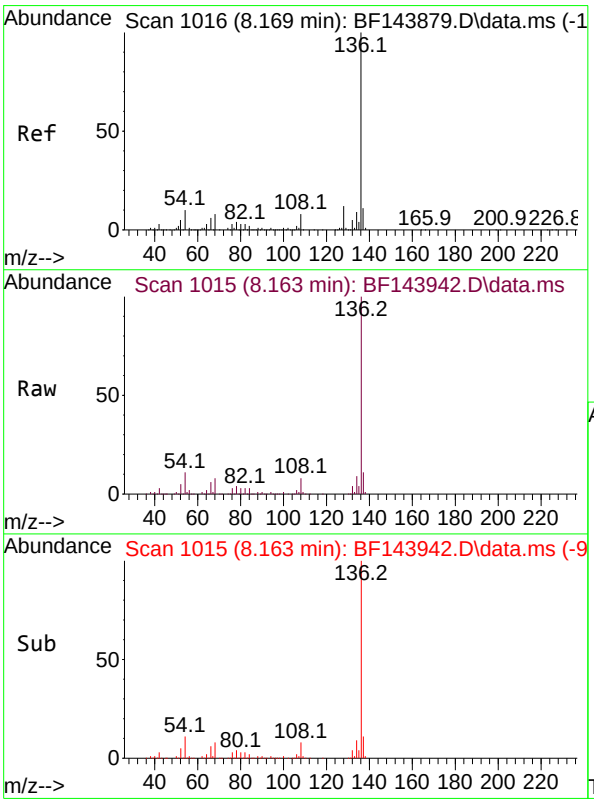
#7
Phenol-d6
Concen: 64.081 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion: 99 Resp: 465626

Ion	Ratio	Lower	Upper
99	100		
42	25.1	21.0	31.4
71	31.9	27.8	41.8

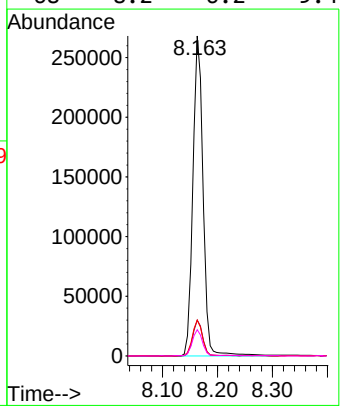


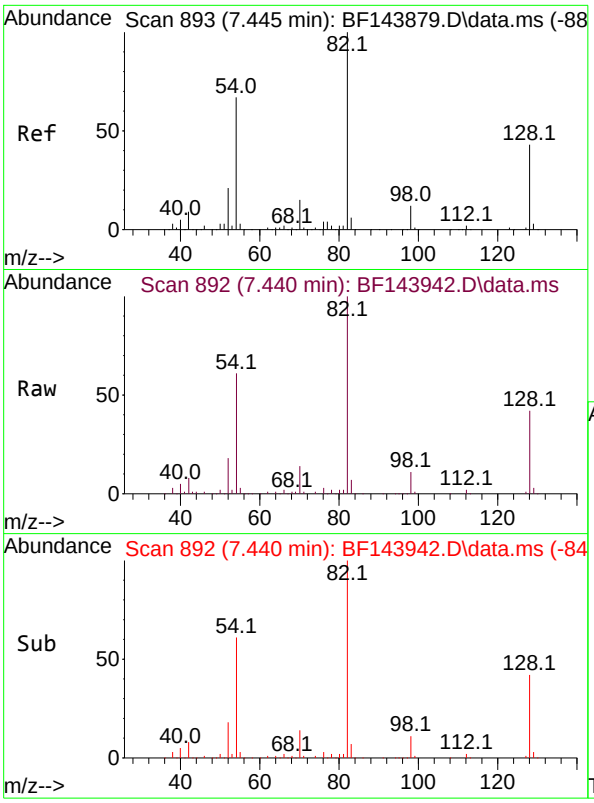


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:136 Resp: 346821

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.2	8.2	12.4
68	8.2	6.2	9.4



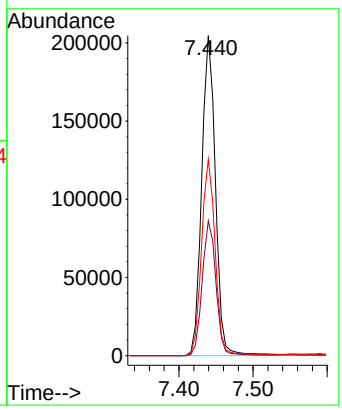


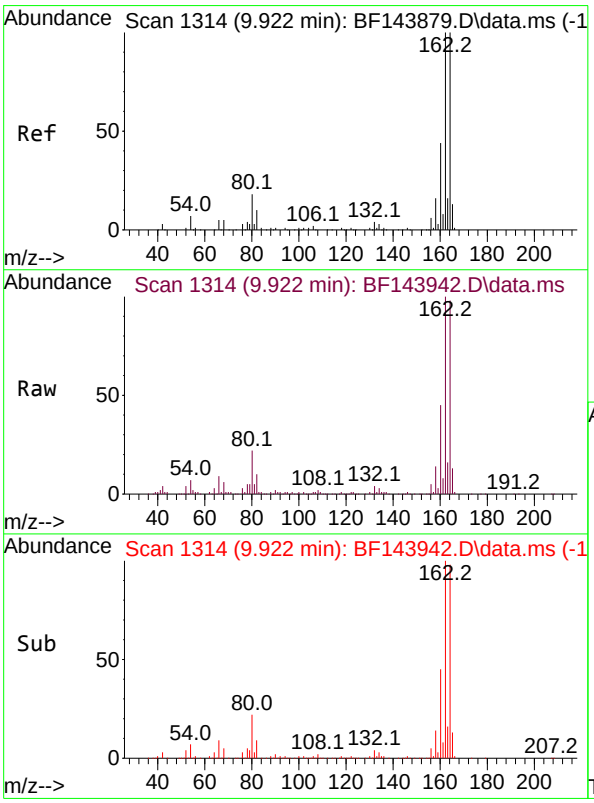
#23
Nitrobenzene-d5
Concen: 46.180 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion: 82 Resp: 263623

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	61.3	53.2	79.8

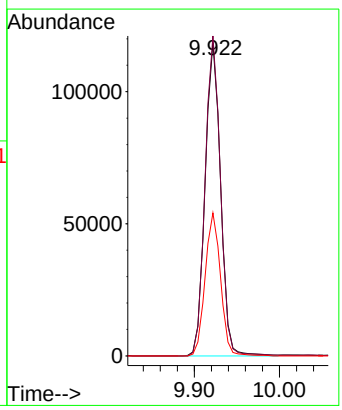


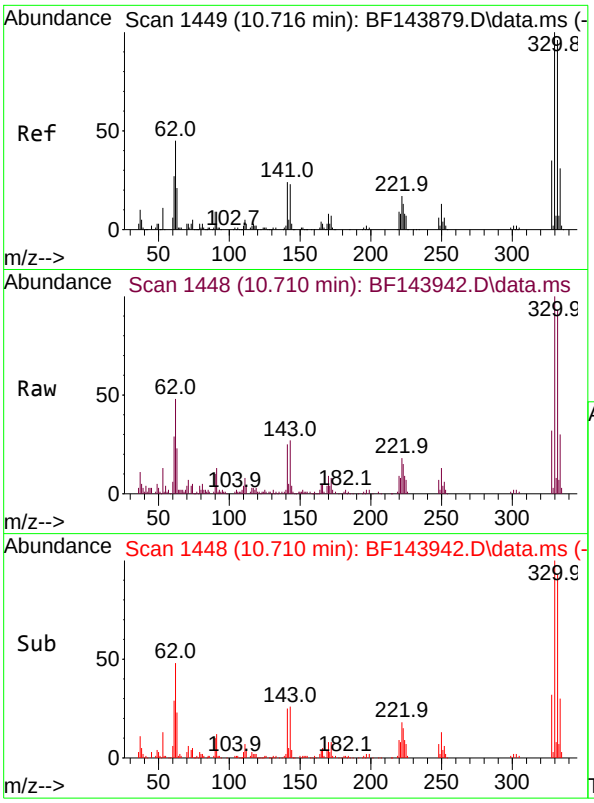


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:164 Resp: 149732

Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.2	120.2
160	45.7	35.4	53.0



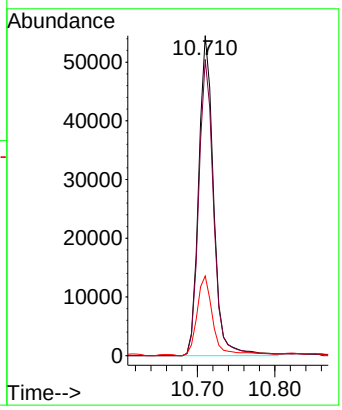


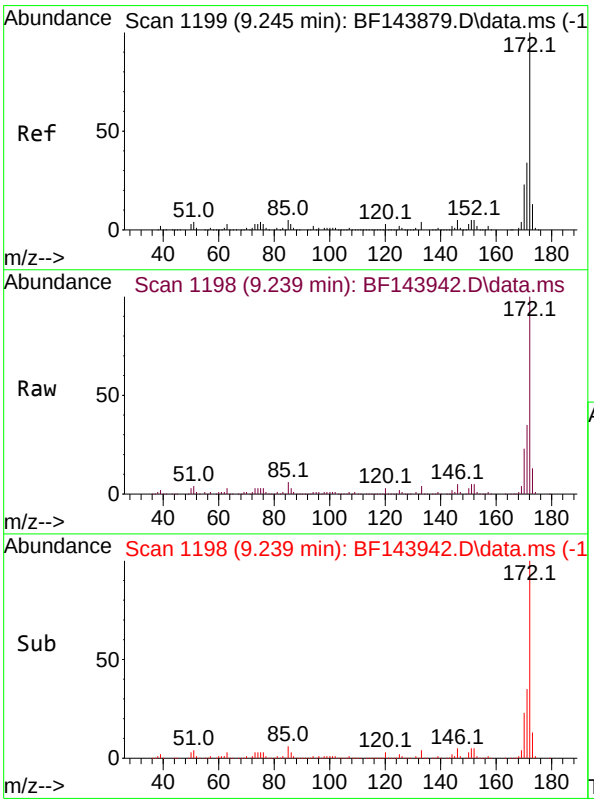
#42
2,4,6-Tribromophenol
Concen: 48.745 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:330 Resp: 72696

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.9	115.3
141	27.2	20.2	30.4

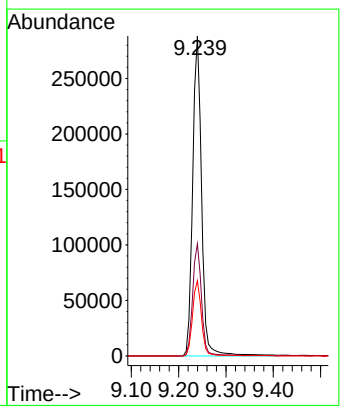


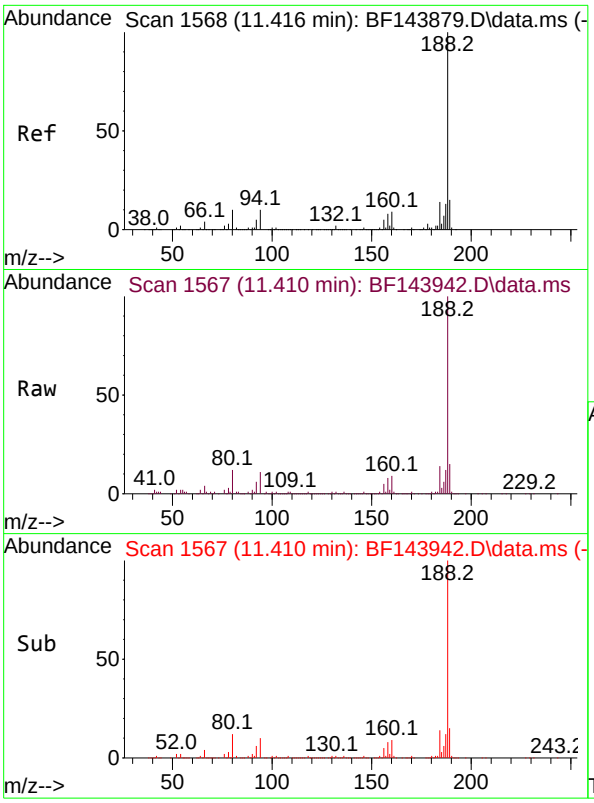


#45
2-Fluorobiphenyl
Concen: 40.261 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:172 Resp: 379923

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.5	18.6	28.0



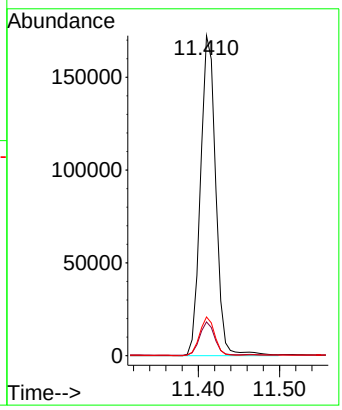


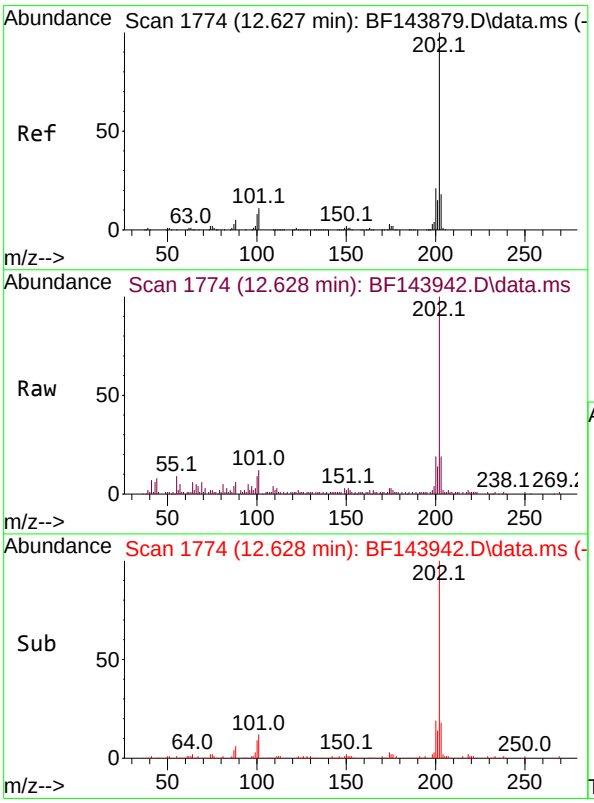
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:188 Resp: 225565

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	12.1	7.9	11.9#

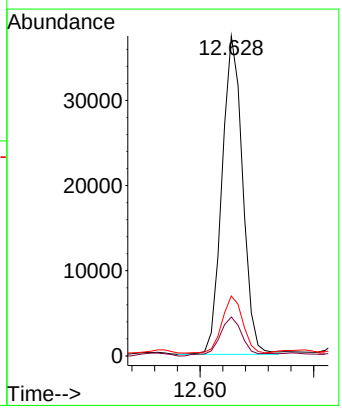


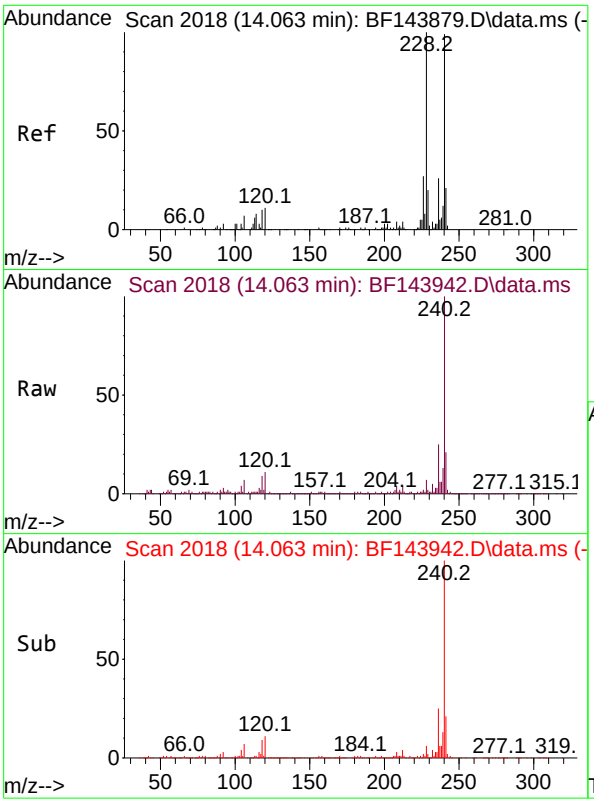


#75
Fluoranthene
Concen: 4.173 ng
RT: 12.628 min Scan# 1774
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:202 Resp: 47135

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	30.7
203	18.7	0.0	37.8



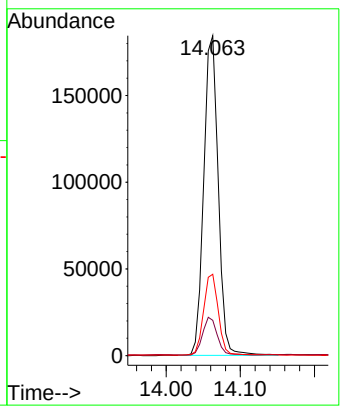


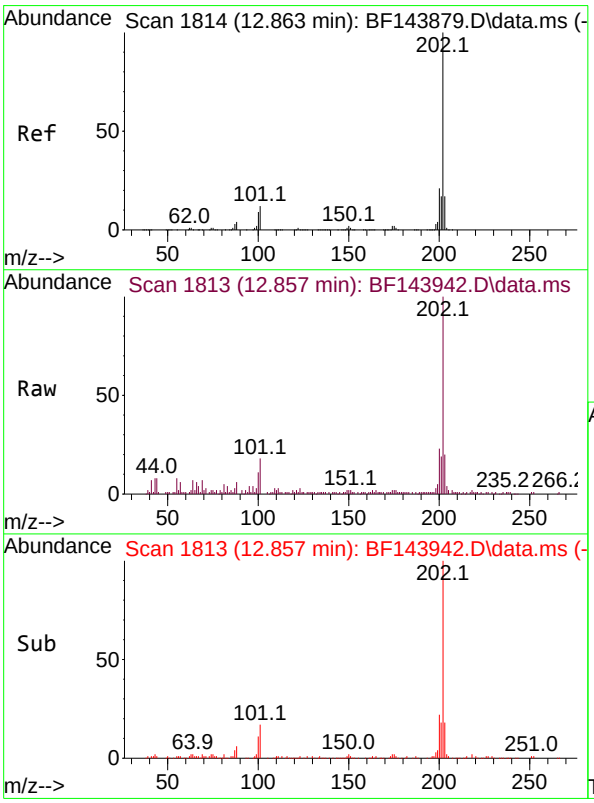
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.005 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:240 Resp: 250053

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.6	13.0
236	25.4	21.1	31.7

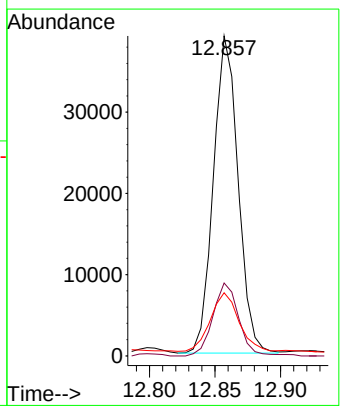


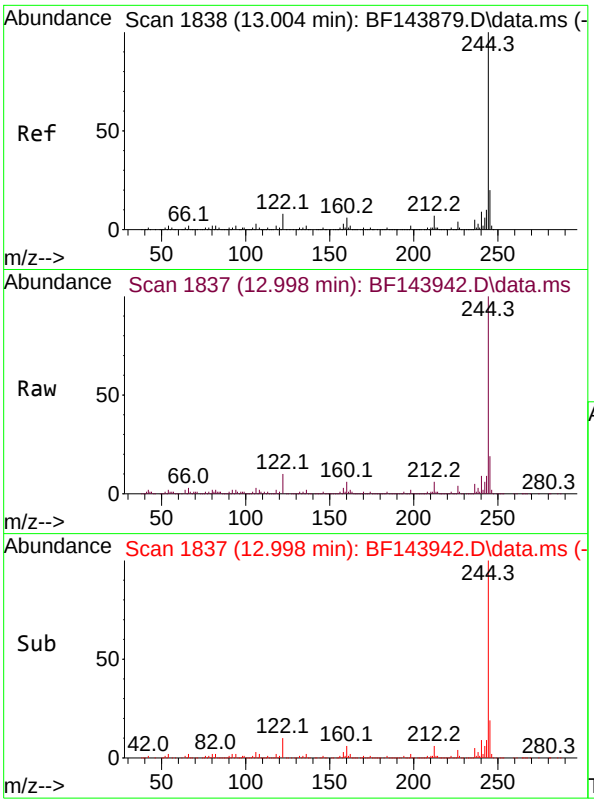


#78
Pyrene
Concen: 2.458 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:202 Resp: 51244

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.0	25.6
203	19.7	13.8	20.6



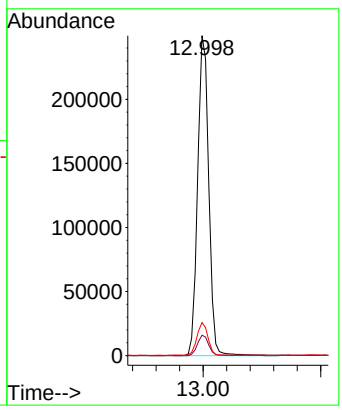


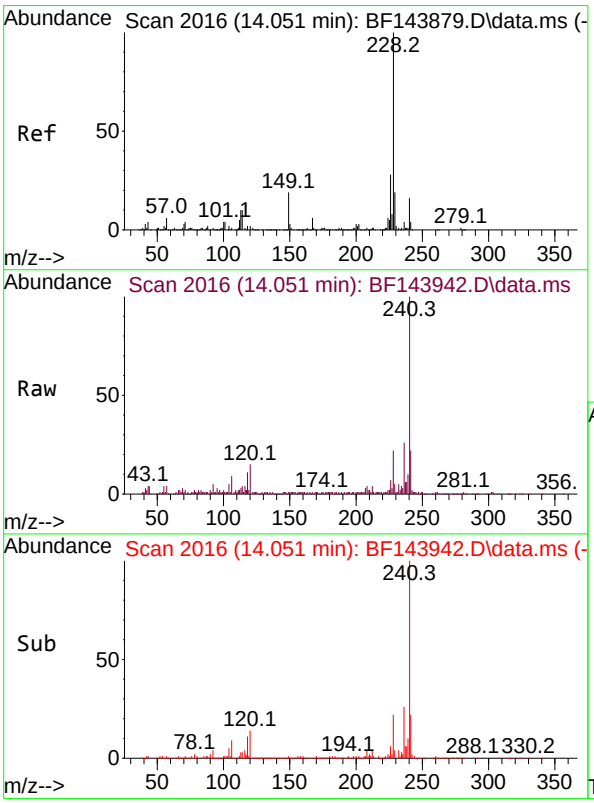
#79
Terphenyl-d14
Concen: 22.302 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:244 Resp: 326304

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.3	6.4	9.6#

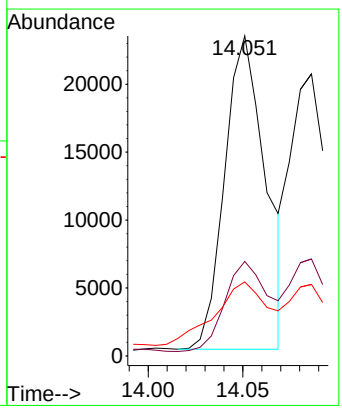


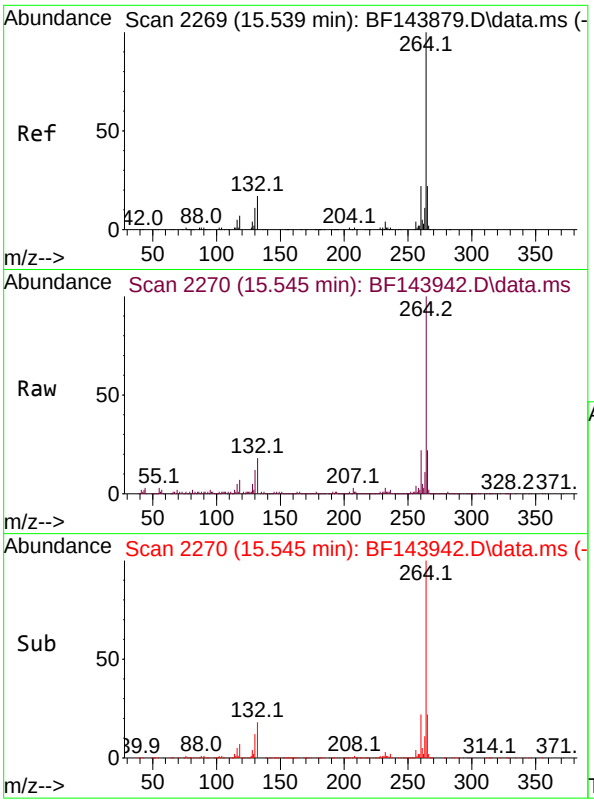


#81
Benzo(a)anthracene
Concen: 2.118 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:228 Resp: 34655

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	23.1	15.6	23.4



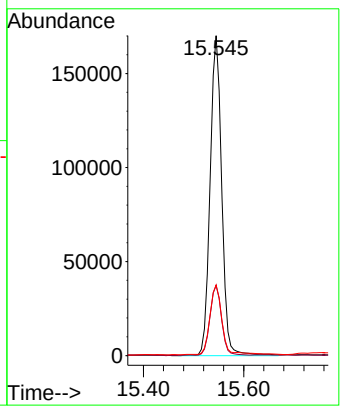


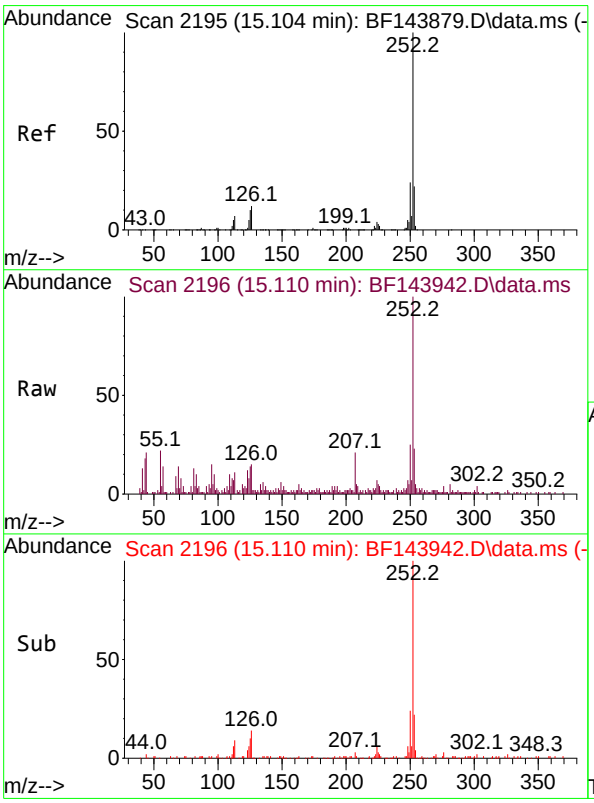
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:264 Resp: 272960

Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.8	26.8
265	22.1	17.5	26.3

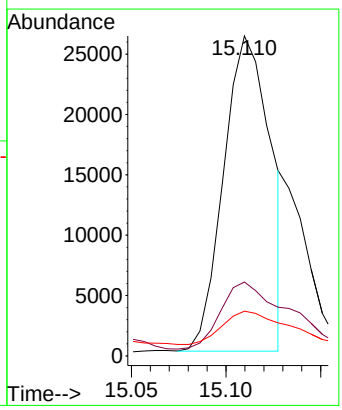


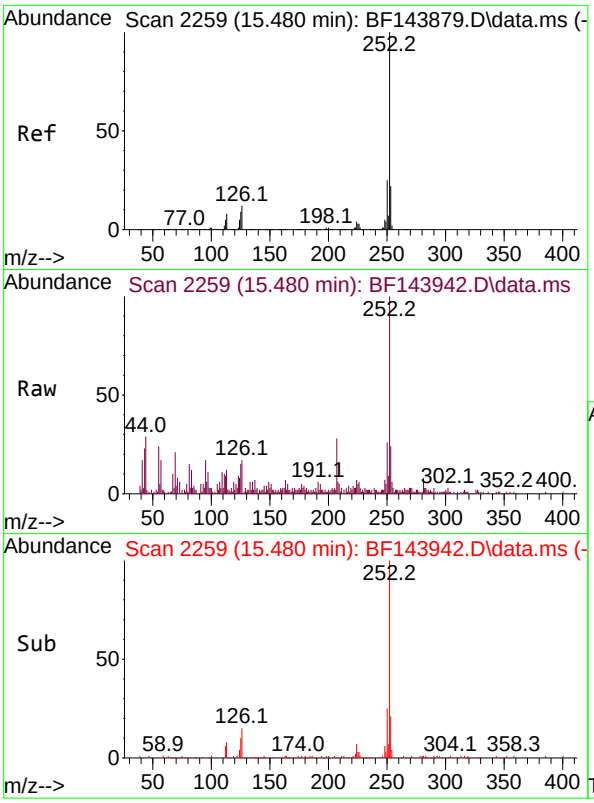


#88
Benzo(b)fluoranthene
Concen: 2.872 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Tgt Ion:252 Resp: 45035

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.0	7.8	11.6#



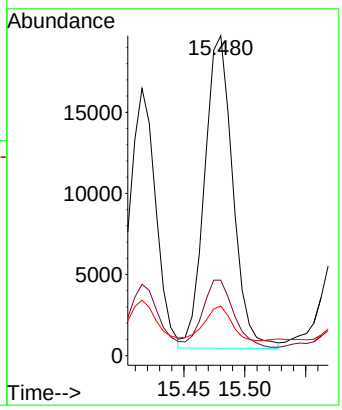


#90
Benzo(a)pyrene
Concen: 2.287 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143942.D
Acq: 13 Oct 2025 19:56

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Tgt Ion:252 Resp: 31100

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	15.5	7.0	10.4#



Sample Results: **BF143942.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143942.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	484	493	502	rVB2	16717	34282	2.37%	0.309%
2	5.493	556	561	581	rBV	1072657	1443874	100.00%	13.034%
3	6.498	727	732	749	rBV	1028948	1392361	96.43%	12.569%
4	6.881	792	797	804	rBV	491994	606954	42.04%	5.479%
5	7.440	883	892	903	rBV	622349	817579	56.62%	7.381%
6	8.163	1007	1015	1022	rBV	554549	721631	49.98%	6.514%
7	8.381	1044	1052	1058	rBV8	5590	15895	1.10%	0.143%
8	9.239	1193	1198	1208	rBV	797359	1040303	72.05%	9.391%
9	9.316	1208	1211	1216	rVB3	20619	30649	2.12%	0.277%
10	9.787	1287	1291	1296	rBV4	15404	29796	2.06%	0.269%
11	9.922	1308	1314	1318	rBV	502622	635329	44.00%	5.735%
12	10.334	1380	1384	1389	rBV3	17289	31387	2.17%	0.283%
13	10.469	1404	1407	1413	rBV6	8557	15539	1.08%	0.140%
14	10.634	1431	1435	1443	rBV	113014	140917	9.76%	1.272%
15	10.710	1443	1448	1463	rVV	402312	545662	37.79%	4.926%
16	10.834	1465	1469	1476	rVB4	22872	40512	2.81%	0.366%
17	11.410	1562	1567	1577	rBV	419453	609696	42.23%	5.504%
18	11.933	1652	1656	1664	rBV	115385	188420	13.05%	1.701%
19	12.628	1770	1774	1778	rBV	84456	107459	7.44%	0.970%
20	12.722	1788	1790	1798	rVB7	21026	26695	1.85%	0.241%
21	12.857	1809	1813	1819	rVB	83822	111038	7.69%	1.002%
22	12.998	1832	1837	1846	rBV	630293	836288	57.92%	7.549%
23	14.057	2012	2017	2028	rVB	510786	817221	56.60%	7.377%
24	15.110	2193	2196	2204	rVB	63597	122683	8.50%	1.107%
25	15.545	2265	2270	2280	rVB	422510	715323	49.54%	6.457%

Sum of corrected areas: 11077493

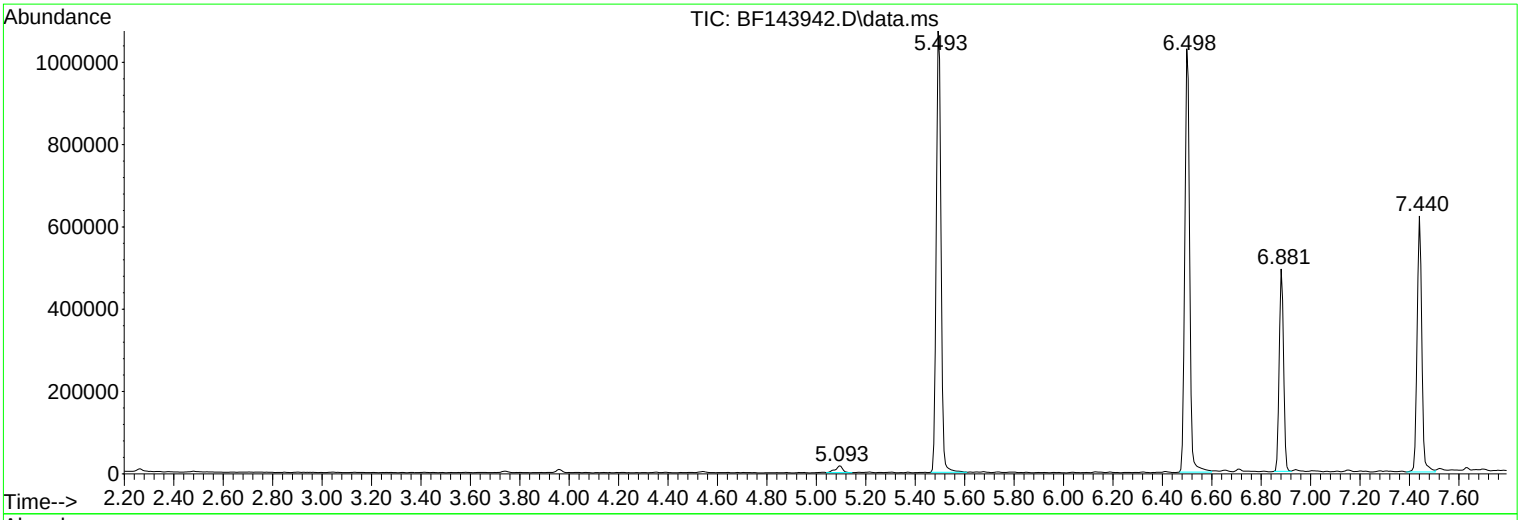
Sample Results: **BF143942.D**

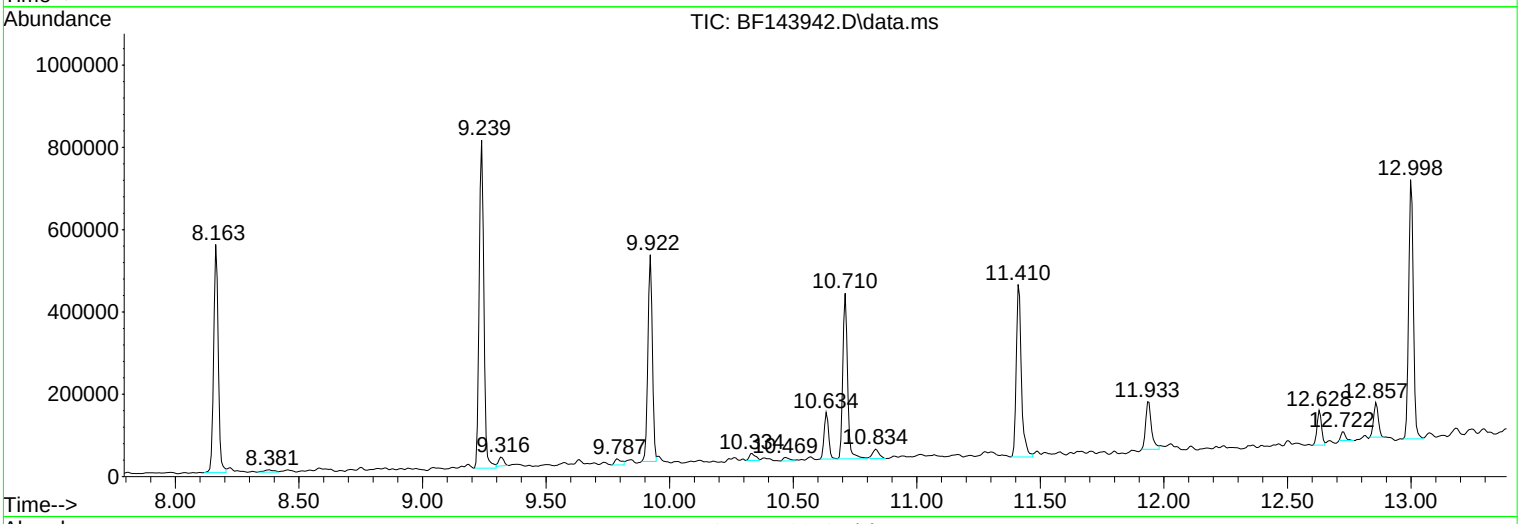
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

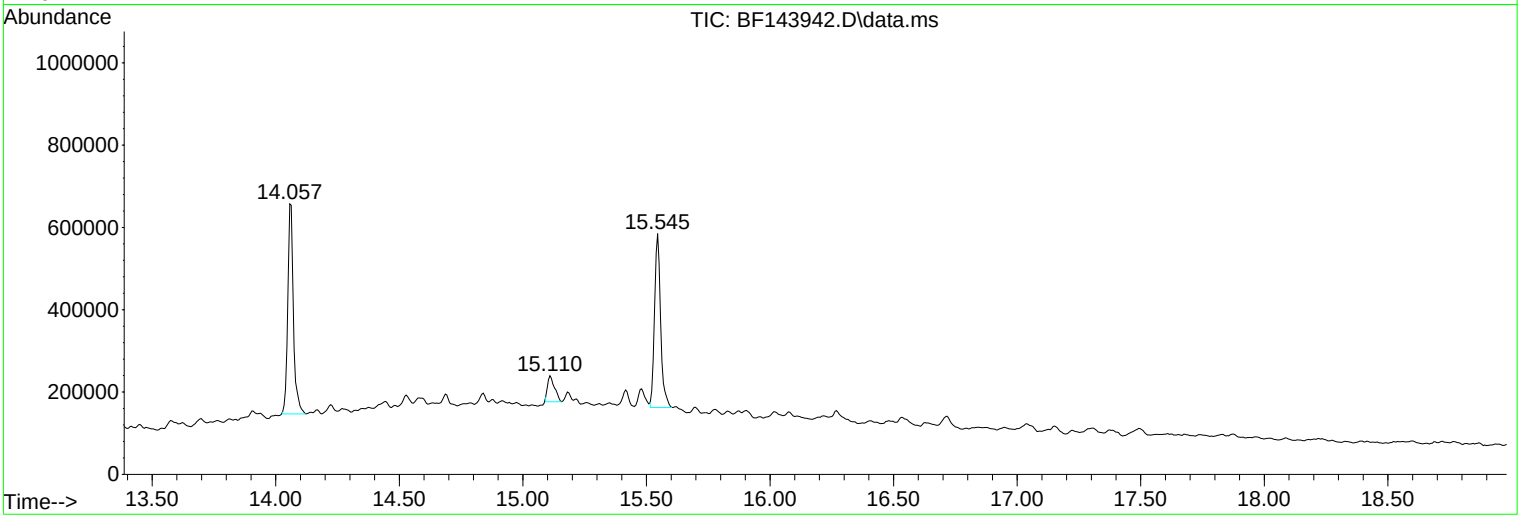
Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

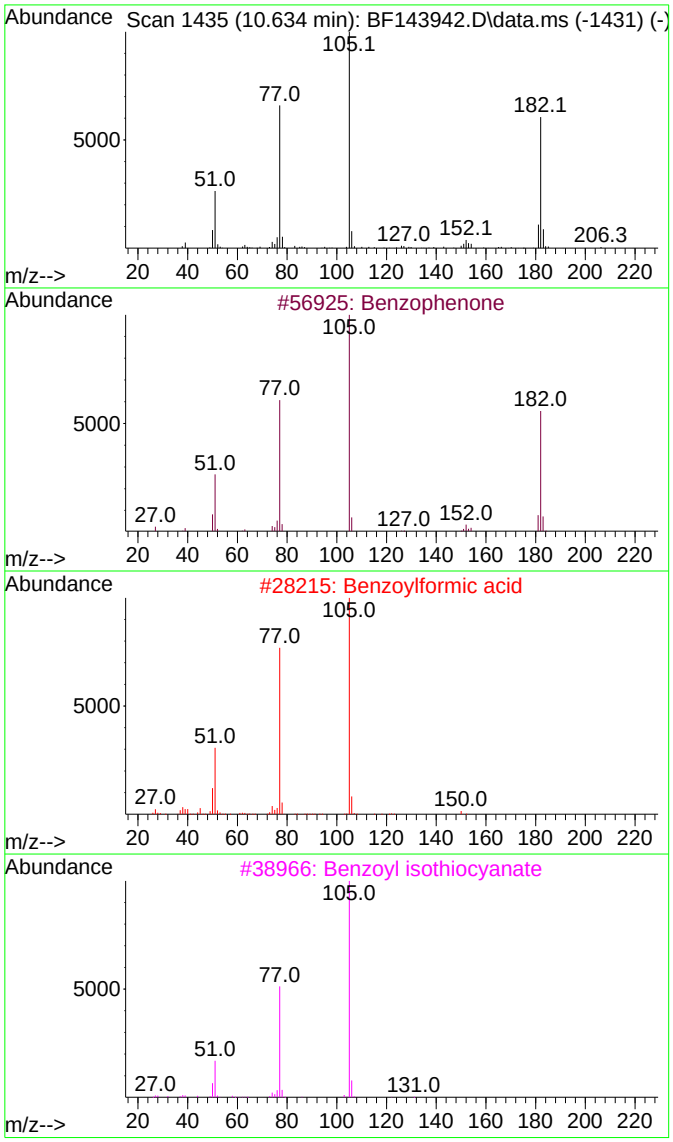
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

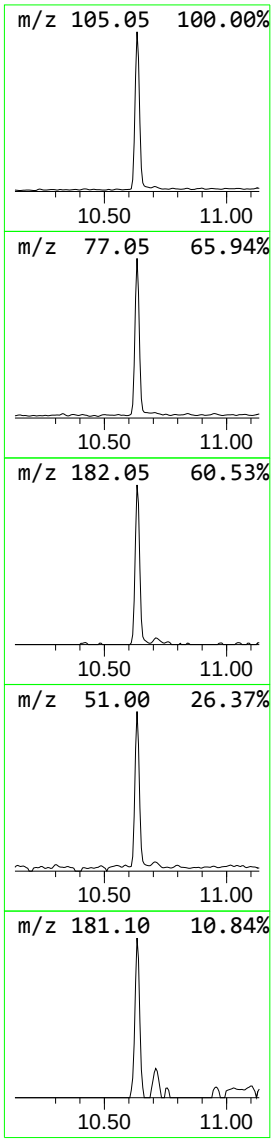
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.44 ng	140917	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzoylformic acid	150	C8H6O3	000611-73-4	49
3	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47
4	Vinyl benzoate	148	C9H8O2	000769-78-8	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

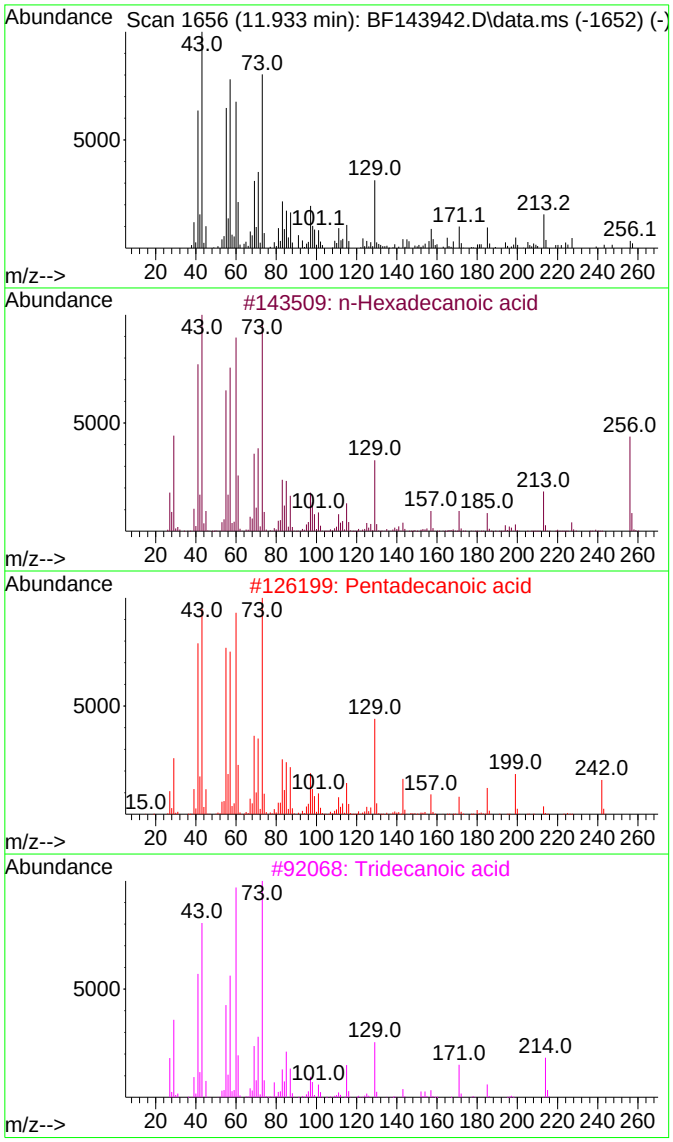
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

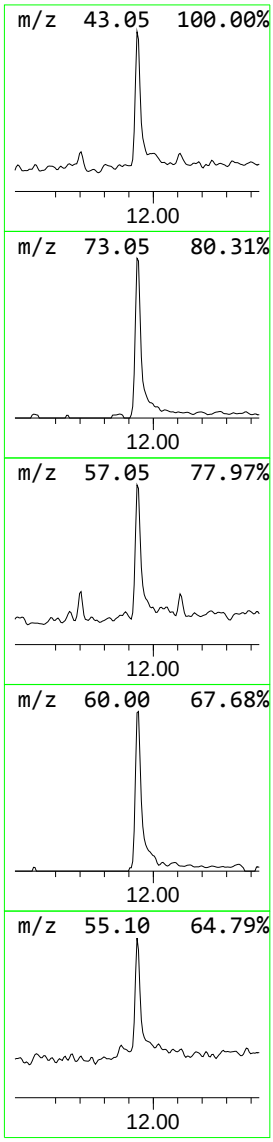
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.18 ng	188420	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Tridecanoic acid	214	C13H26O2	000638-53-9	53
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	n-Decanoic acid	172	C10H20O2	000334-48-5	49





Sample Results: **BF143942.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143942.D
Acq On : 13 Oct 2025 19:56
Operator : RC/JU
Sample : Q3323-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-07-0-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
Benzophenone	10.634	4.4	ng	140917	3	9.922	635329	20.0
n-Hexadecanoic ...	11.933	6.2	ng	188420	4	11.410	609696	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: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID: RRF2.5 = BF143875.D RRF005 = BF143876.D RRF010 = BF143877.D
RRF020 = BF143878.D RRF040 = BF143879.D RRF050 = BF143880.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.259	9.1
Benzaldehyde			1.115	1.026	1.329	1.198	1.158	16.2
Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.501	8.6
Phenol		1.934	1.814	1.889	1.841	1.756	1.795	6.3
bis(2-Chloroethyl)ether		1.487	1.457	1.467	1.446	1.308	1.386	7.2
2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.231	5.9
2-Methylphenol		1.064	1.057	1.049	1.054	0.985	1.017	5.1
2,2-oxybis(1-Chloropropane)		3.520	3.385	3.273	3.239	3.008	3.156	8.8
Acetophenone		0.515	0.461	0.462	0.433	0.374	0.423	14.7
3+4-Methylphenols			1.401	1.342	1.266	1.068	1.179	15.6
n-Nitroso-di-n-propylamine	1.052	1.135	1.134	1.054	1.026	0.970	1.028	8.1
Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.329	4.2
Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.485	8.4
Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.366	5.3
Isophorone		0.754	0.708	0.708	0.705	0.665	0.694	5.0
2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.157	13.4
2,4-Dimethylphenol		0.287	0.288	0.292	0.295	0.271	0.282	4.1
bis(2-Chloroethoxy)methane		0.510	0.474	0.463	0.444	0.398	0.438	10.8
2,4-Dichlorophenol		0.317	0.292	0.313	0.307	0.280	0.294	6.5
Naphthalene		1.103	0.996	0.972	0.932	0.817	0.910	14.1
4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.341	8.2
Hexachlorobutadiene		0.231	0.214	0.210	0.207	0.183	0.201	10.1
Caprolactam			0.092	0.091	0.095	0.094	0.093	1.6
4-Chloro-3-methylphenol		0.301	0.302	0.289	0.287	0.269	0.282	6.3
2-Methylnaphthalene		0.742	0.683	0.654	0.616	0.527	0.606	15.5
Hexachlorocyclopentadiene			0.182	0.216	0.257	0.246	0.229	11.8
2,4,6-Trichlorophenol		0.408	0.394	0.426	0.445	0.383	0.404	6.1
2-Fluorobiphenyl		1.568	1.424	1.335	1.224	0.984	1.260	18.0
2,4,5-Trichlorophenol		0.443	0.444	0.460	0.456	0.401	0.427	7.3
1,1-Biphenyl		1.617	1.476	1.448	1.374	1.134	1.324	15.8
2-Chloronaphthalene		1.294	1.196	1.197	1.137	0.988	1.104	12.5
2-Nitroaniline		0.293	0.322	0.371	0.392	0.354	0.349	9.4
Dimethylphthalate		1.442	1.351	1.334	1.291	1.166	1.270	9.3
Acenaphthylene		1.797	1.701	1.648	1.623	1.386	1.552	12.1

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID: RRF2.5 = BF143875.D RRF005 = BF143876.D RRF010 = BF143877.D
RRF020 = BF143878.D RRF040 = BF143879.D RRF050 = BF143880.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.201	0.204	0.245	0.262	0.250	0.236	10.1
3-Nitroaniline		0.256	0.270	0.306	0.306	0.296	0.288	6.6
Acenaphthene		1.177	1.115	1.096	1.052	0.897	1.017	12.2
2,4-Dinitrophenol			0.061	0.094	0.120	0.143	0.118	29.3
4-Nitrophenol			0.173	0.215	0.234	0.230	0.218	10.5
Dibenzofuran		1.680	1.608	1.572	1.494	1.253	1.436	14.1
2,4-Dinitrotoluene		0.252	0.284	0.341	0.365	0.335	0.320	12.3
Diethylphthalate		1.319	1.281	1.273	1.222	1.070	1.180	10.6
4-Chlorophenyl-phenylether		0.689	0.662	0.626	0.596	0.485	0.573	16.4
Fluorene		1.393	1.266	1.173	1.097	0.897	1.083	19.2
4-Nitroaniline		0.257	0.259	0.285	0.292	0.287	0.277	5.3
4,6-Dinitro-2-methylphenol			0.065	0.092	0.111	0.112	0.101	19.3
n-Nitrosodiphenylamine		0.712	0.683	0.675	0.656	0.560	0.628	11.2
2,4,6-Tribromophenol		0.194	0.192	0.210	0.207	0.198	0.199	3.5
4-Bromophenyl-phenylether		0.247	0.234	0.231	0.231	0.201	0.221	8.7
Hexachlorobenzene		0.277	0.268	0.263	0.267	0.242	0.256	6.6
Atrazine		0.197	0.206	0.213	0.195	0.184	0.190	9.4
Pentachlorophenol			0.117	0.152	0.157	0.154	0.147	10.1
Phenanthrene		1.164	1.092	1.066	0.976	0.842	0.970	14.9
Anthracene		1.161	1.097	1.057	1.025	0.854	0.980	14.4
Carbazole		1.015	0.962	0.939	0.884	0.766	0.868	13.1
Di-n-butylphthalate		1.089	1.094	1.108	1.053	0.910	1.005	10.8
Fluoranthene		1.156	1.153	1.094	1.032	0.876	1.002	14.4
Pyrene		1.838	1.663	1.769	1.863	1.541	1.667	9.9
Terphenyl-d14		1.301	1.209	1.271	1.279	1.066	1.170	10.7
Butylbenzylphthalate		0.466	0.503	0.579	0.620	0.545	0.542	9.3
3,3-Dichlorobenzidine			0.364	0.403	0.440	0.401	0.399	6.4
Benzo(a)anthracene		1.342	1.347	1.354	1.398	1.232	1.309	5.5
Chrysene		1.373	1.188	1.267	1.294	1.116	1.211	8.4
Bis(2-ethylhexyl)phthalate		0.591	0.619	0.687	0.739	0.642	0.653	7.7
Di-n-octyl phthalate			0.837	1.009	1.194	1.108	1.072	12.2
Benzo(b)fluoranthene		1.207	1.138	1.131	1.269	1.095	1.149	7.6
Benzo(k)fluoranthene		1.138	1.173	1.228	1.108	0.923	1.063	12.1
Benzo(a)pyrene		1.000	1.006	1.037	1.102	0.936	0.996	6.2
Indeno(1,2,3-cd)pyrene		1.114	1.104	1.222	1.393	1.235	1.225	8.0

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: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date(s): 10/06/2025 10/06/2025

Calibration Time(s): 09:59 14:22

LAB FILE ID: RRF2.5 = BF143875.D RRF005 = BF143876.D RRF010 = BF143877.D
RRF020 = BF143878.D RRF040 = BF143879.D RRF050 = BF143880.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.888	0.915	1.015	1.128	0.975	0.986	7.9
Benzo(g,h,i)perylene		0.889	0.888	0.983	1.117	0.991	0.986	8.1
1,2,4,5-Tetrachlorobenzene		0.610	0.592	0.595	0.590	0.500	0.553	10.4
1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.583	5.0
2,3,4,6-Tetrachlorophenol		0.276	0.303	0.315	0.325	0.300	0.302	5.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143875.D 5 =BF143876.D 10 =BF143877.D 20 =BF143878.D 40 =BF143879.D 50 =BF143880.D 60 =BF143881.D 80 =BF1438
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.614	0.595	0.597	0.609	0.544	0.576	0.544	0.583	4.96
3)		Pyridine		1.691	1.672	1.749	1.772	1.668	1.680	1.644	1.697	2.74
4)		n-Nitrosodimet...			0.825	0.895	0.909	0.917	0.909	0.900	0.893	3.81
5)	S	2-Fluorophenol		1.378	1.349	1.352	1.307	1.173	1.177	1.079	1.259	9.15
6)		Aniline		2.400	2.327	2.361	2.343	2.185	2.134	1.997	2.250	6.58
7)	S	Phenol-d6		1.626	1.631	1.601	1.542	1.404	1.387	1.317	1.501	8.62
8)		2-Chlorophenol		1.324	1.229	1.274	1.294	1.201	1.182	1.113	1.231	5.90
9)		Benzaldehyde			1.115	1.026	1.329	1.198	1.390	0.890	1.158	16.18
10)	C	Phenol		1.934	1.814	1.889	1.841	1.756	1.739	1.589	1.795	6.33
11)		bis(2-Chloroet...		1.487	1.457	1.467	1.446	1.308	1.302	1.238	1.386	7.25
12)		1,3-Dichlorobe...		1.742	1.591	1.589	1.516	1.336	1.327	1.215	1.474	12.64
13)	C	1,4-Dichlorobe...		1.653	1.606	1.567	1.499	1.326	1.340	1.185	1.454	11.88
14)		1,2-Dichlorobe...		1.581	1.507	1.501	1.434	1.283	1.288	1.153	1.392	11.06
15)		Benzyl Alcohol			1.118	1.138	1.173	1.134	1.104	1.082	1.125	2.79
16)		2,2'-oxybis(1-...		3.520	3.385	3.273	3.239	3.008	2.945	2.720	3.156	8.79
17)		2-Methylphenol		1.064	1.057	1.049	1.054	0.985	0.986	0.927	1.017	5.10
18)		Hexachloroethane		0.533	0.508	0.515	0.501	0.456	0.464	0.417	0.485	8.39
19)	P	n-Nitroso-di-n...	1.052	1.135	1.134	1.054	1.026	0.970	0.938	0.912	1.028	8.13
20)		3+4-Methylphenols			1.401	1.342	1.266	1.067	1.068	0.933	1.179	15.58
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.515	0.461	0.462	0.433	0.374	0.375	0.340	0.423	14.67
23)	S	Nitrobenzene-d5		0.325	0.333	0.347	0.345	0.323	0.325	0.307	0.329	4.19
24)		Nitrobenzene		0.369	0.349	0.389	0.391	0.352	0.365	0.342	0.366	5.26
25)		Isophorone		0.754	0.708	0.708	0.705	0.665	0.663	0.656	0.694	5.04
26)	C	2-Nitrophenol		0.121	0.133	0.163	0.174	0.167	0.173	0.166	0.157	13.39
27)		2,4-Dimethylph...		0.287	0.288	0.292	0.295	0.271	0.278	0.264	0.282	4.08
28)		bis(2-Chloroet...		0.510	0.474	0.463	0.444	0.398	0.401	0.380	0.438	10.79
29)	C	2,4-Dichloroph...		0.317	0.292	0.313	0.307	0.280	0.282	0.265	0.294	6.54
30)		1,2,4-Trichlor...		0.331	0.299	0.307	0.298	0.266	0.272	0.249	0.289	9.57
31)		Naphthalene		1.103	0.996	0.972	0.932	0.817	0.817	0.732	0.910	14.06
32)		Benzoic acid			0.131	0.173	0.200	0.216	0.222	0.228	0.195	18.95
33)		4-Chloroaniline		0.368	0.370	0.357	0.355	0.319	0.321	0.298	0.341	8.20
34)	C	Hexachlorobuta...		0.231	0.214	0.210	0.207	0.183	0.187	0.173	0.201	10.11
35)		Caprolactam			0.092	0.091	0.095	0.094	0.093	0.094	0.093	1.59
36)	C	4-Chloro-3-met...		0.301	0.302	0.289	0.287	0.269	0.270	0.256	0.282	6.27
37)		2-Methylnaphth...		0.742	0.683	0.654	0.616	0.527	0.533	0.487	0.606	15.46
38)		1-Methylnaphth...		0.719	0.656	0.629	0.605	0.517	0.523	0.465	0.588	15.23

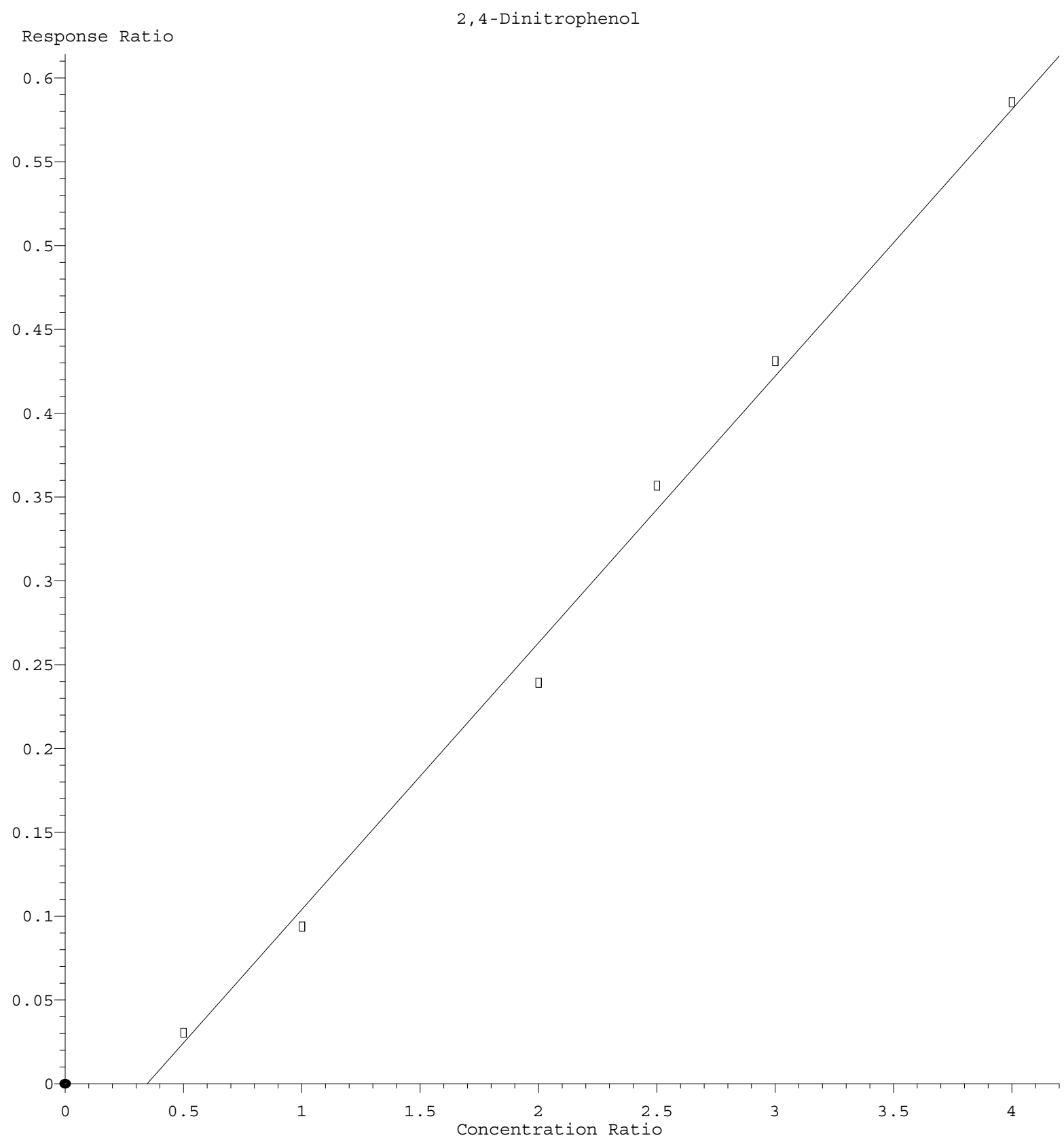
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38
41)	P	Hexachlorocycl...		0.182	0.216	0.257	0.246	0.240	0.235	0.229	11.77
42)	S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51
43)	C	2,4,6-Trichlor...	0.408	0.394	0.426	0.445	0.383	0.395	0.376	0.404	6.07
44)		2,4,5-Trichlor...	0.443	0.444	0.460	0.456	0.401	0.403	0.380	0.427	7.34
45)	S	2-Fluorobiphenyl	1.568	1.424	1.335	1.224	0.984	1.028		1.260	18.04
46)		1,1'-Biphenyl	1.617	1.476	1.448	1.374	1.134	1.171	1.050	1.324	15.77
47)		2-Chloronaphth...	1.294	1.196	1.197	1.137	0.988	1.003	0.913	1.104	12.50
48)		2-Nitroaniline	0.293	0.322	0.371	0.392	0.354	0.365	0.348	0.349	9.43
49)		Acenaphthylene	1.797	1.701	1.648	1.623	1.386	1.426	1.284	1.552	12.11
50)		Dimethylphthalate	1.442	1.351	1.334	1.291	1.166	1.202	1.105	1.270	9.29
51)		2,6-Dinitrotol...	0.201	0.204	0.245	0.262	0.250	0.250	0.237	0.236	10.13
52)	C	Acenaphthene	1.177	1.115	1.096	1.052	0.897	0.934	0.847	1.017	12.21
53)		3-Nitroaniline	0.256	0.270	0.306	0.306	0.296	0.298	0.286	0.288	6.59
54)	P	2,4-Dinitrophenol		0.061	0.094	0.120	0.143	0.144	0.146	0.118	29.25
55)		Dibenzofuran	1.680	1.608	1.572	1.494	1.253	1.295	1.149	1.436	14.13
56)	P	4-Nitrophenol		0.173	0.215	0.234	0.230	0.228	0.230	0.218	10.55
57)		2,4-Dinitrotol...	0.252	0.284	0.341	0.365	0.335	0.346	0.320	0.320	12.30
58)		Fluorene	1.393	1.266	1.173	1.097	0.897	0.922	0.835	1.083	19.21
59)		2,3,4,6-Tetrac...	0.276	0.303	0.315	0.325	0.300	0.309	0.288	0.302	5.49
60)		Diethylphthalate	1.319	1.281	1.273	1.222	1.070	1.105	0.989	1.180	10.62
61)		4-Chlorophenyl...	0.689	0.662	0.626	0.596	0.485	0.505	0.446	0.573	16.43
62)		4-Nitroaniline	0.257	0.259	0.285	0.292	0.287	0.288	0.274	0.277	5.25
63)		Azobenzene	1.387	1.331	1.308	1.280	1.114	1.156	1.055	1.233	10.10
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.065	0.092	0.111	0.112	0.114	0.110	0.101	19.26
66)	c	n-Nitrosodiphe...	0.712	0.683	0.675	0.656	0.560	0.584	0.527	0.628	11.22
67)		4-Bromophenyl-...	0.247	0.234	0.231	0.231	0.201	0.207	0.196	0.221	8.74
68)		Hexachlorobenzene	0.277	0.268	0.263	0.267	0.242	0.245	0.231	0.256	6.59
69)		Atrazine	0.197	0.206	0.213	0.195	0.184	0.177	0.161	0.190	9.44
70)	C	Pentachlorophenol		0.117	0.152	0.157	0.154	0.154	0.147	0.147	10.10
71)		Phenanthrene	1.164	1.092	1.066	0.976	0.842	0.872	0.775	0.970	14.94
72)		Anthracene	1.161	1.097	1.057	1.025	0.854	0.881	0.781	0.980	14.43
73)		Carbazole	1.015	0.962	0.939	0.884	0.766	0.804	0.703	0.868	13.10
74)		Di-n-butylphth...	1.089	1.094	1.108	1.053	0.910	0.954	0.830	1.005	10.76
75)	C	Fluoranthene	1.156	1.153	1.094	1.032	0.876	0.910	0.789	1.002	14.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.701	0.719	0.761	0.651	0.640		0.694	7.16
78)		Pyrene	1.838	1.663	1.769	1.863	1.541	1.578	1.420	1.667	9.87
79)	S	Terphenyl-d14	1.301	1.209	1.271	1.279	1.066	1.080	0.984	1.170	10.70
80)		Butylbenzylpht...	0.466	0.503	0.579	0.620	0.545	0.553	0.524	0.542	9.31
81)		Benzo(a)anthra...	1.342	1.347	1.354	1.398	1.232	1.291	1.198	1.309	5.49
82)		3,3'-Dichlorob...		0.364	0.403	0.440	0.401	0.404	0.381	0.399	6.41
83)		Chrysene	1.373	1.188	1.267	1.294	1.116	1.126	1.115	1.211	8.41
84)		Bis(2-ethylhex...	0.591	0.619	0.687	0.739	0.642	0.672	0.619	0.653	7.70
85)	c	Di-n-octyl pht...		0.837	1.009	1.194	1.108	1.151	1.133	1.072	12.19

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.114	1.104	1.222	1.393	1.235	1.263	1.248	1.225	7.97
88)		Benzo(b)fluora...	1.207	1.138	1.131	1.269	1.095	1.202	1.000	1.149	7.63
89)		Benzo(k)fluora...	1.138	1.173	1.228	1.108	0.923	0.921	0.951	1.063	12.11
90)	C	Benzo(a)pyrene	1.000	1.006	1.037	1.102	0.936	0.970	0.923	0.996	6.17
91)		Dibenzo(a,h)an...	0.888	0.915	1.015	1.128	0.975	1.007	0.972	0.986	7.89
92)		Benzo(g,h,i)pe...	0.889	0.888	0.983	1.117	0.991	1.018	1.014	0.986	8.08

(#) = Out of Range



Response = 1.591e-001 * Amt - 5.521e-002
Coef of Det (r^2) = 0.995474 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF100625.M
Calibration Table Last Updated: Mon Oct 06 15:29:47 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373433	20.000	ng	-0.01
86) Perylene-d12	15.539	264	316147	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	16847	2.559	ng	98

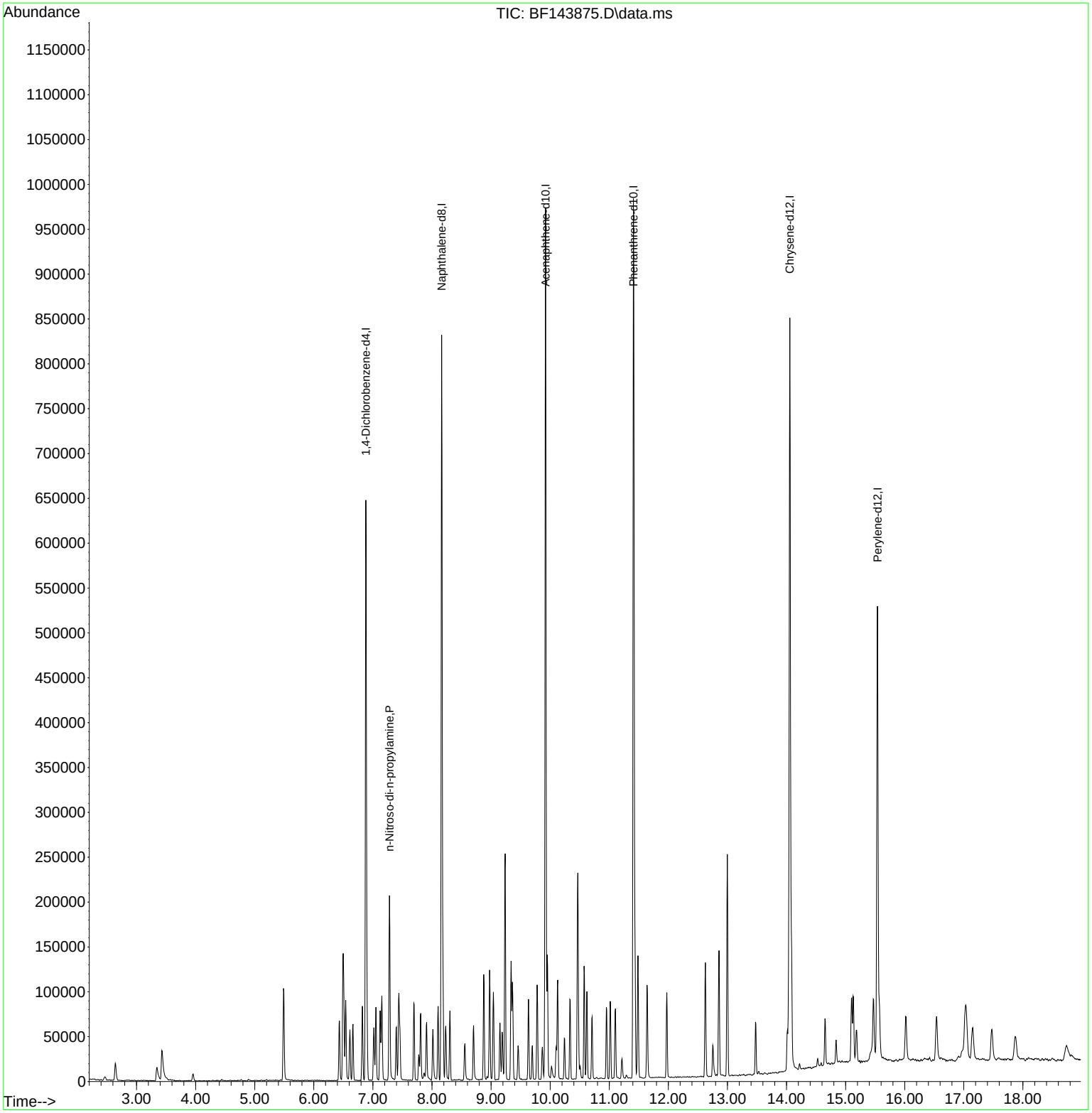
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143875.D
Acq On : 06 Oct 2025 09:59
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 06 15:37:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	137596	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	524114	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	303230	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	538298	20.000	ng	0.00
76) Chrysene-d12	14.057	240	379937	20.000	ng	-0.01
86) Perylene-d12	15.539	264	317181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	94810	10.942	ng	-0.01
7) Phenol-d6	6.493	99	111877	10.832	ng	-0.02
23) Nitrobenzene-d5	7.440	82	85080	9.862	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	29360	9.721	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	237689	12.438	ng	-0.01
79) Terphenyl-d14	12.998	244	247223	11.121	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	21110	5.265	ng	96
3) Pyridine	3.422	79	58179	4.984	ng	96
6) Aniline	6.540	93	82563	5.335	ng	99
8) 2-Chlorophenol	6.663	128	45534	5.376	ng	96
10) Phenol	6.510	94	66523m	5.388	ng	
11) bis(2-Chloroethyl)ether	6.610	93	51163	5.364	ng	98
12) 1,3-Dichlorobenzene	6.822	146	59929	5.911	ng	96
13) 1,4-Dichlorobenzene	6.898	146	56869	5.686	ng	98
14) 1,2-Dichlorobenzene	7.051	146	54371	5.676	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	121082	5.577	ng	99
17) 2-Methylphenol	7.122	107	36595	5.228	ng	97
18) Hexachloroethane	7.398	117	18346	5.501	ng	96
19) n-Nitroso-di-n-propyla...	7.281	70	39050	5.524	ng	98
22) Acetophenone	7.287	105	67515	6.092	ng	95
24) Nitrobenzene	7.457	77	48413	5.054	ng	96
25) Isophorone	7.692	82	98761	5.429	ng	100
26) 2-Nitrophenol	7.775	139	15870	3.864	ng	93
27) 2,4-Dimethylphenol	7.810	122	37645	5.095	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	66779	5.812	ng	99
29) 2,4-Dichlorophenol	8.016	162	41484	5.390	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	43309	5.722	ng	100
31) Naphthalene	8.187	128	144561	6.063	ng	100
33) 4-Chloroaniline	8.234	127	48181	5.388	ng	97
34) Hexachlorobutadiene	8.304	225	30246	5.751	ng	99
36) 4-Chloro-3-methylphenol	8.704	107	39500	5.343	ng	99
37) 2-Methylnaphthalene	8.875	142	97227	6.122	ng	100
38) 1-Methylnaphthalene	8.975	142	94190	6.114	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	46252	5.519	ng	93
43) 2,4,6-Trichlorophenol	9.151	196	30908	5.047	ng	98
44) 2,4,5-Trichlorophenol	9.187	196	33613	5.194	ng	94
46) 1,1'-Biphenyl	9.339	154	122568	6.105	ng	100
47) 2-Chloronaphthalene	9.363	162	98102	5.861	ng	98
48) 2-Nitroaniline	9.457	65	22188	4.193	ng	98
49) Acenaphthylene	9.781	152	136204	5.788	ng	98
50) Dimethylphthalate	9.634	163	109323	5.677	ng	98
51) 2,6-Dinitrotoluene	9.698	165	15228	4.265	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.951	154	89242	5.787	ng		98
53) 3-Nitroaniline	9.869	138	19400	4.437	ng	#	97
55) Dibenzofuran	10.128	168	127374	5.852	ng		99
57) 2,4-Dinitrotoluene	10.098	165	19103	3.932	ng	#	97
58) Fluorene	10.469	166	105607	6.430	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.239	232	20888	4.560	ng	#	96
60) Diethylphthalate	10.339	149	100010	5.590	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	52199	6.011	ng		95
62) 4-Nitroaniline	10.475	138	19447	4.625	ng		95
63) Azobenzene	10.622	77	105174	5.625	ng		98
66) n-Nitrosodiphenylamine	10.575	169	95847	5.671	ng		96
67) 4-Bromophenyl-phenylether	10.957	248	33236	5.587	ng		95
68) Hexachlorobenzene	11.016	284	37233	5.406	ng		97
69) Atrazine	11.104	200	26507	5.174	ng		93
71) Phenanthrene	11.433	178	156676	6.004	ng		99
72) Anthracene	11.486	178	156289	5.928	ng		99
73) Carbazole	11.639	167	136597	5.850	ng		97
74) Di-n-butylphthalate	11.975	149	146596	5.417	ng		98
75) Fluoranthene	12.627	202	155574	5.771	ng		98
78) Pyrene	12.857	202	174542	5.510	ng		99
80) Butylbenzylphthalate	13.474	149	44252	4.302	ng		99
81) Benzo(a)anthracene	14.045	228	127434	5.125	ng		98
83) Chrysene	14.080	228	130450	5.669	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	56165	4.529	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	88321	4.544	ng		95
88) Benzo(b)fluoranthene	15.098	252	95737	5.255	ng		100
89) Benzo(k)fluoranthene	15.127	252	90226	5.352	ng		99
90) Benzo(a)pyrene	15.474	252	79275	5.018	ng	#	96
91) Dibenzo(a,h)anthracene	17.045	278	70452	4.507	ng		97
92) Benzo(g,h,i)perylene	17.474	276	70468	4.508	ng		96

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

Quantitation Report (QT Reviewed)

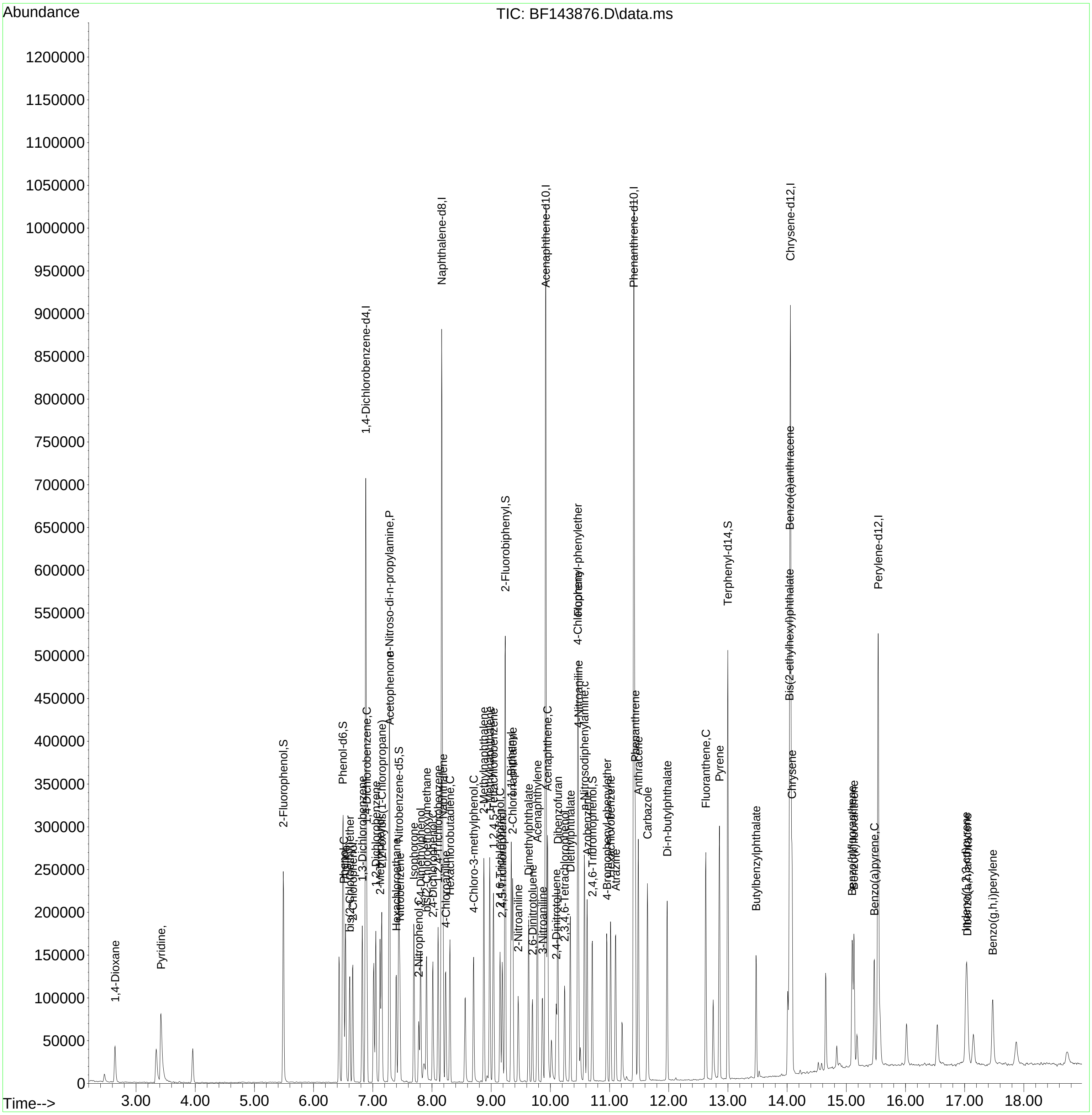
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	126533	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	493548	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	283821	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	504357	20.000	ng	0.00
76) Chrysene-d12	14.057	240	366499	20.000	ng	-0.01
86) Perylene-d12	15.539	264	297391	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	170697	21.422	ng	-0.01
7) Phenol-d6	6.493	99	206358	21.727	ng	-0.02
23) Nitrobenzene-d5	7.440	82	164127	20.204	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	54453	19.262	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	404164	22.595	ng	-0.01
79) Terphenyl-d14	12.998	244	442968	20.657	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.622	88	37665	10.215	ng	96
3) Pyridine	3.399	79	105800	9.856	ng	99
4) n-Nitrosodimethylamine	3.322	42	49793	8.818	ng	99
6) Aniline	6.540	93	147222	10.344	ng	98
8) 2-Chlorophenol	6.663	128	77754	9.983	ng	97
9) Benzaldehyde	6.434	77	70546	9.629	ng	98
10) Phenol	6.510	94	114780m	10.109	ng	
11) bis(2-Chloroethyl)ether	6.610	93	92208	10.513	ng	98
12) 1,3-Dichlorobenzene	6.822	146	100630	10.793	ng	96
13) 1,4-Dichlorobenzene	6.898	146	101588	11.046	ng	97
14) 1,2-Dichlorobenzene	7.051	146	95345	10.824	ng	98
15) Benzyl Alcohol	7.016	79	70756	9.943	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	214183	10.728	ng	99
17) 2-Methylphenol	7.122	107	66872	10.389	ng	96
18) Hexachloroethane	7.398	117	32160	10.486	ng	95
19) n-Nitroso-di-n-propyla...	7.287	70	71731	11.034	ng	94
20) 3+4-Methylphenols	7.275	107	88634	11.881	ng	95
22) Acetophenone	7.287	105	113751	10.900	ng	96
24) Nitrobenzene	7.457	77	86228	9.558	ng	96
25) Isophorone	7.698	82	174767	10.203	ng	98
26) 2-Nitrophenol	7.781	139	32787	8.477	ng	95
27) 2,4-Dimethylphenol	7.810	122	70960	10.199	ng	98
28) bis(2-Chloroethoxy)met...	7.910	93	116898	10.804	ng	95
29) 2,4-Dichlorophenol	8.016	162	72141	9.954	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	73668	10.336	ng	98
31) Naphthalene	8.187	128	245857	10.951	ng	99
32) Benzoic acid	7.869	122	32361m	6.721	ng	
33) 4-Chloroaniline	8.234	127	91294	10.842	ng	95
34) Hexachlorobutadiene	8.304	225	52824	10.665	ng	98
35) Caprolactam	8.569	113	22813	9.900	ng	95
36) 4-Chloro-3-methylphenol	8.704	107	74546	10.708	ng	96
37) 2-Methylnaphthalene	8.875	142	168581	11.272	ng	98
38) 1-Methylnaphthalene	8.975	142	161895	11.160	ng	96
40) 1,2,4,5-Tetrachloroben...	9.039	216	83972	10.705	ng	97
41) Hexachlorocyclopentadiene	9.034	237	25812	7.932	ng	95
43) 2,4,6-Trichlorophenol	9.151	196	55929	9.758	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	63036	10.407	ng		98
46) 1,1'-Biphenyl	9.339	154	209528	11.150	ng		99
47) 2-Chloronaphthalene	9.363	162	169672	10.829	ng		96
48) 2-Nitroaniline	9.457	65	45663	9.219	ng		96
49) Acenaphthylene	9.781	152	241454	10.962	ng		98
50) Dimethylphthalate	9.633	163	191729	10.638	ng		99
51) 2,6-Dinitrotoluene	9.698	165	28928	8.655	ng		95
52) Acenaphthene	9.957	154	158214	10.962	ng		99
53) 3-Nitroaniline	9.869	138	38386	9.380	ng		99
54) 2,4-Dinitrophenol	9.975	184	8624	10.761	ng	#	60
55) Dibenzofuran	10.128	168	228160	11.199	ng		97
56) 4-Nitrophenol	10.016	139	24585	7.934	ng		89
57) 2,4-Dinitrotoluene	10.098	165	40299	8.862	ng		95
58) Fluorene	10.469	166	179607	11.683	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	43052	10.041	ng	#	95
60) Diethylphthalate	10.339	149	181846	10.860	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	94000	11.565	ng		98
62) 4-Nitroaniline	10.475	138	36684	9.322	ng		95
63) Azobenzene	10.622	77	188888	10.794	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	16274	6.421	ng		96
66) n-Nitrosodiphenylamine	10.580	169	172118	10.869	ng		97
67) 4-Bromophenyl-phenylether	10.957	248	58980	10.581	ng		96
68) Hexachlorobenzene	11.022	284	67494	10.459	ng		98
69) Atrazine	11.104	200	52016	10.837	ng		98
70) Pentachlorophenol	11.216	266	29608	7.989	ng		96
71) Phenanthrene	11.433	178	275484	11.267	ng		99
72) Anthracene	11.486	178	276694	11.201	ng		99
73) Carbazole	11.639	167	242534	11.086	ng		99
74) Di-n-butylphthalate	11.975	149	275838	10.879	ng		99
75) Fluoranthene	12.627	202	290713	11.510	ng		99
77) Benzidine	12.751	184	128424	10.092	ng		98
78) Pyrene	12.857	202	304789	9.975	ng		99
80) Butylbenzylphthalate	13.480	149	92241	9.296	ng		97
81) Benzo(a)anthracene	14.051	228	246871	10.293	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	66722	9.129	ng	#	99
83) Chrysene	14.086	228	217741	9.809	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	113431	9.483	ng		97
85) Di-n-octyl phthalate	14.657	149	153434	7.810	ng		97
87) Indeno(1,2,3-cd)pyrene	17.027	276	164200	9.011	ng		96
88) Benzo(b)fluoranthene	15.104	252	169146	9.901	ng		99
89) Benzo(k)fluoranthene	15.133	252	174390	11.032	ng		98
90) Benzo(a)pyrene	15.474	252	149543	10.096	ng		100
91) Dibenzo(a,h)anthracene	17.045	278	135992	9.279	ng		97
92) Benzo(g,h,i)perylene	17.474	276	132076	9.012	ng		98

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

ICAL Form

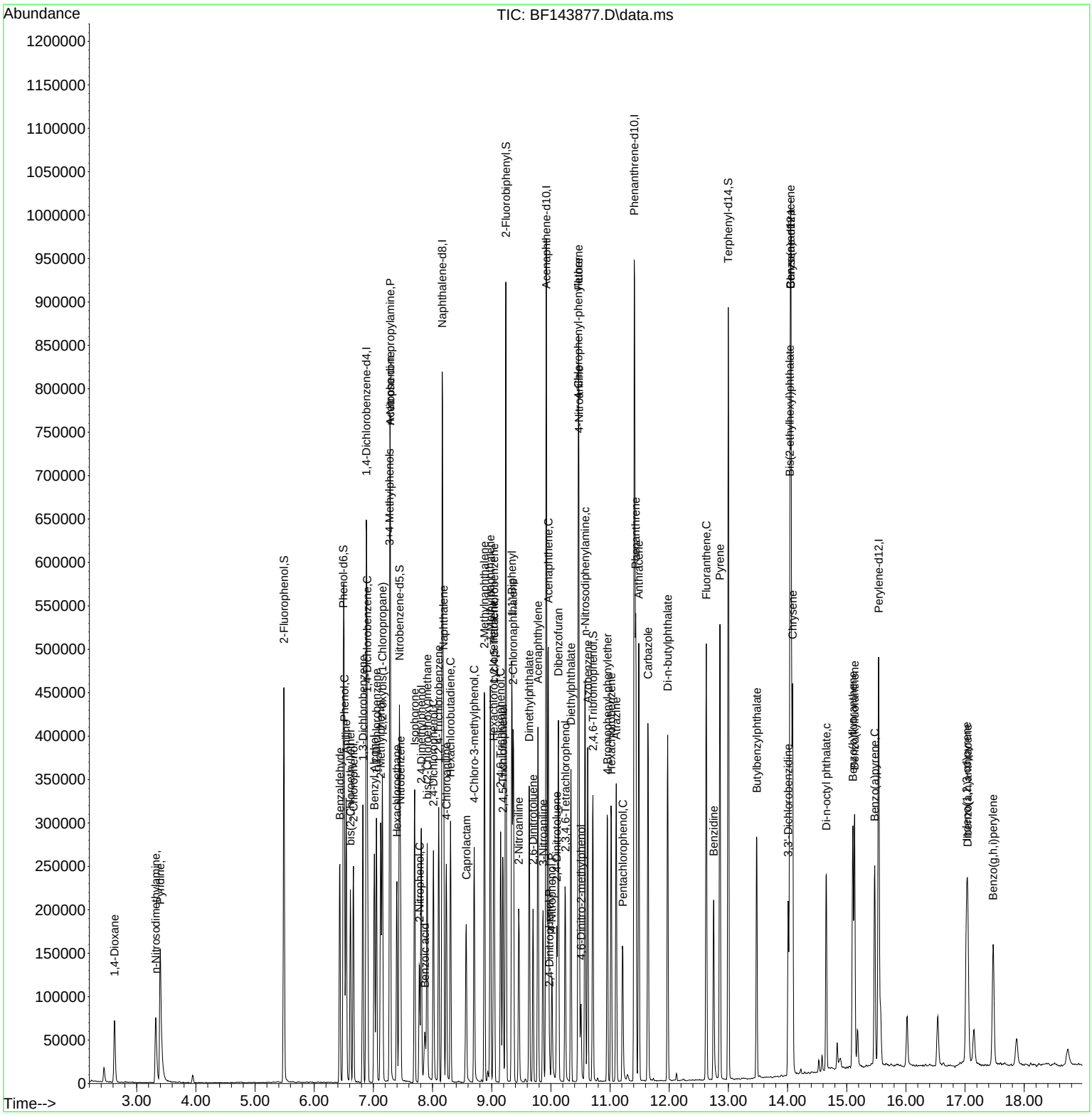
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	144072	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	561772	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	311297	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	536961	20.000	ng		0.00
76) Chrysene-d12	14.063	240	346764	20.000	ng		0.00
86) Perylene-d12	15.539	264	314616	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	389641	42.947	ng		0.00
7) Phenol-d6	6.498	99	461437	42.670	ng		-0.02
23) Nitrobenzene-d5	7.439	82	389584	42.133	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	130577	42.114	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	831185	42.367	ng		-0.01
79) Terphenyl-d14	12.998	244	881486	43.445	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	86079	20.503	ng		97
3) Pyridine	3.410	79	251988	20.618	ng		99
4) n-Nitrosodimethylamine	3.346	42	128915	20.051	ng		96
6) Aniline	6.540	93	340202	20.994	ng		99
8) 2-Chlorophenol	6.663	128	183611	20.704	ng		99
9) Benzaldehyde	6.434	77	147781	17.715	ng		99
10) Phenol	6.510	94	272100m	21.046	ng		
11) bis(2-Chloroethyl)ether	6.616	93	211296	21.157	ng		100
12) 1,3-Dichlorobenzene	6.822	146	228938	21.566	ng		98
13) 1,4-Dichlorobenzene	6.898	146	225703	21.554	ng		99
14) 1,2-Dichlorobenzene	7.051	146	216196	21.555	ng		98
15) Benzyl Alcohol	7.016	79	164008	20.241	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	471598	20.745	ng		100
17) 2-Methylphenol	7.128	107	151099	20.616	ng		99
18) Hexachloroethane	7.398	117	74147	21.232	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	151838	20.512	ng		99
20) 3+4-Methylphenols	7.281	107	193273	22.753	ng	#	86
22) Acetophenone	7.287	105	259382	21.837	ng		100
24) Nitrobenzene	7.463	77	218497	21.279	ng		100
25) Isophorone	7.698	82	397606	20.393	ng		99
26) 2-Nitrophenol	7.781	139	91336	20.747	ng		96
27) 2,4-Dimethylphenol	7.810	122	163783	20.682	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	260252	21.131	ng		98
29) 2,4-Dichlorophenol	8.016	162	175934	21.328	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	172265	21.234	ng		98
31) Naphthalene	8.186	128	545971	21.365	ng		99
32) Benzoic acid	7.892	122	98172m	17.912	ng		
33) 4-Chloroaniline	8.233	127	200545	20.924	ng		98
34) Hexachlorobutadiene	8.304	225	118056	20.941	ng		98
35) Caprolactam	8.586	113	51159	19.505	ng		97
36) 4-Chloro-3-methylphenol	8.704	107	162629	20.524	ng		97
37) 2-Methylnaphthalene	8.875	142	367401	21.583	ng		99
38) 1-Methylnaphthalene	8.975	142	353459	21.407	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	185181	21.523	ng		98
41) Hexachlorocyclopentadiene	9.033	237	67128	18.807	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	132747	21.116	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	143043	21.532	ng		98
46) 1,1'-Biphenyl	9.339	154	450706	21.868	ng		100
47) 2-Chloronaphthalene	9.369	162	372531	21.679	ng		96
48) 2-Nitroaniline	9.457	65	115519	21.263	ng		98
49) Acenaphthylene	9.780	152	512980	21.234	ng		100
50) Dimethylphthalate	9.639	163	415359	21.011	ng		100
51) 2,6-Dinitrotoluene	9.698	165	76360	20.831	ng		96
52) Acenaphthene	9.957	154	341066	21.545	ng		99
53) 3-Nitroaniline	9.869	138	95127	21.194	ng		99
54) 2,4-Dinitrophenol	9.975	184	29199	18.734	ng	#	67
55) Dibenzofuran	10.128	168	489250	21.894	ng		98
56) 4-Nitrophenol	10.022	139	66930	19.694	ng		97
57) 2,4-Dinitrotoluene	10.104	165	106136	21.280	ng		99
58) Fluorene	10.469	166	365206	21.659	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	98138	20.869	ng		99
60) Diethylphthalate	10.339	149	396233	21.575	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	194875	21.860	ng		97
62) 4-Nitroaniline	10.480	138	88594	20.526	ng		98
63) Azobenzene	10.622	77	407261	21.218	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	49405	18.309	ng		100
66) n-Nitrosodiphenylamine	10.580	169	362217	21.484	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	123882	20.876	ng		98
68) Hexachlorobenzene	11.022	284	141316	20.570	ng		99
69) Atrazine	11.104	200	114492	22.405	ng		99
70) Pentachlorophenol	11.216	266	81624	20.687	ng		95
71) Phenanthrene	11.439	178	572157	21.979	ng		98
72) Anthracene	11.486	178	567724	21.588	ng		100
73) Carbazole	11.639	167	504282	21.651	ng		99
74) Di-n-butylphthalate	11.974	149	595140	22.047	ng		99
75) Fluoranthene	12.627	202	587348	21.843	ng		98
77) Benzidine	12.751	184	249358	20.710	ng		97
78) Pyrene	12.857	202	613300	21.215	ng		99
80) Butylbenzylphthalate	13.480	149	200832	21.391	ng		97
81) Benzo(a)anthracene	14.051	228	469566	20.693	ng		100
82) 3,3'-Dichlorobenzidine	14.010	252	139822	20.219	ng	#	96
83) Chrysene	14.086	228	439378	20.920	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	238132	21.041	ng		100
85) Di-n-octyl phthalate	14.657	149	349721	18.814	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	384441	19.942	ng		97
88) Benzo(b)fluoranthene	15.104	252	355882	19.692	ng		99
89) Benzo(k)fluoranthene	15.133	252	386399	23.106	ng		98
90) Benzo(a)pyrene	15.474	252	326291	20.822	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	319216	20.589	ng		99
92) Benzo(g,h,i)perylene	17.480	276	309120	19.937	ng		98

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

ICAL Form

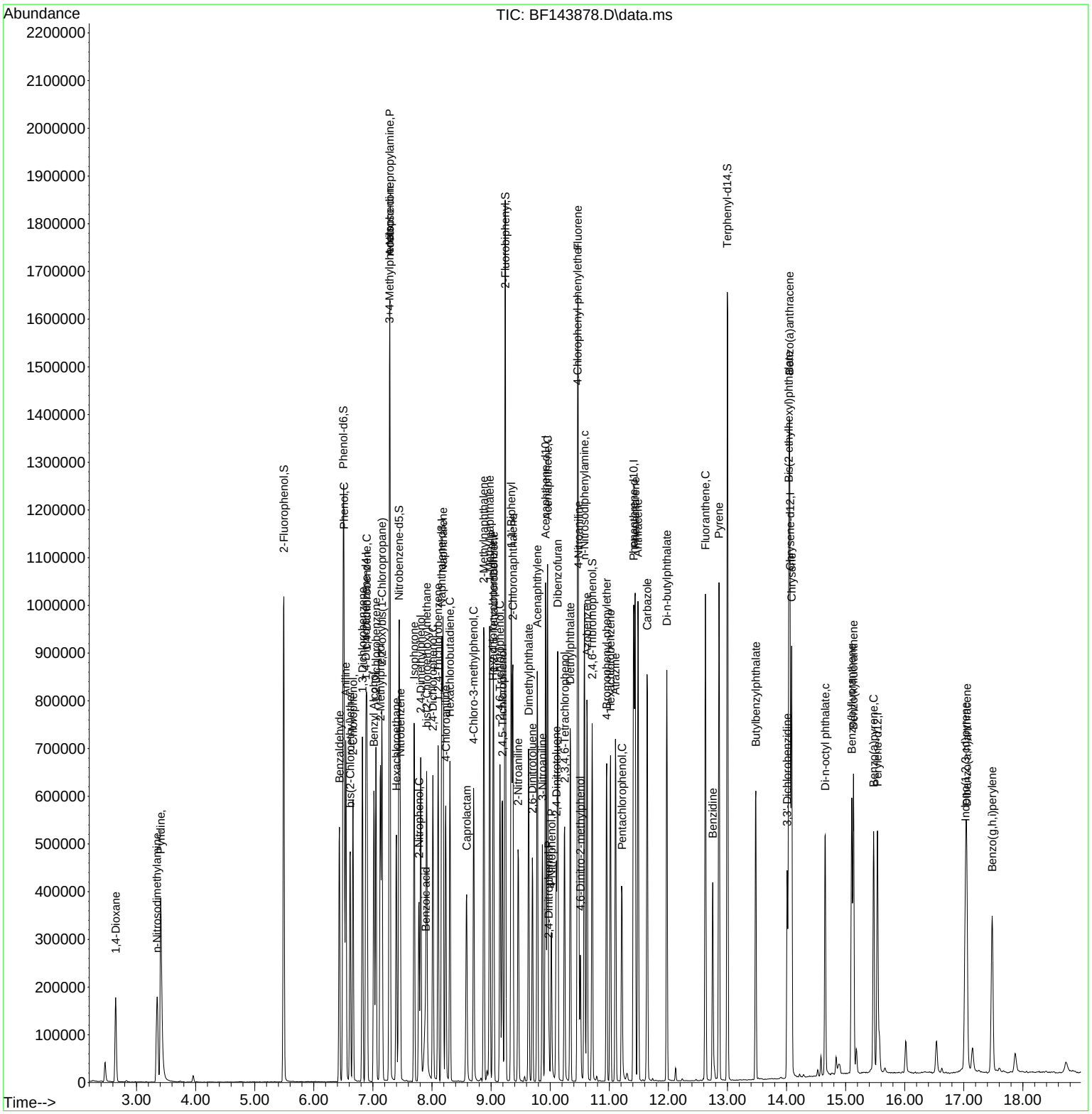
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124152	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	479933	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	444949	20.000	ng	0.00
76) Chrysene-d12	14.063	240	254576	20.000	ng	0.00
86) Perylene-d12	15.539	264	250969	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	649121	83.027	ng	0.00
7) Phenol-d6	6.504	99	765629	82.158	ng	-0.01
23) Nitrobenzene-d5	7.445	82	662754	83.898	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	215478	83.200	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1273210	77.695	ng	0.00
79) Terphenyl-d14	13.004	244	1302632	87.451	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	151157	41.781	ng	100
3) Pyridine	3.410	79	439985	41.775	ng	100
4) n-Nitrosodimethylamine	3.357	42	225827	40.760	ng	100
6) Aniline	6.545	93	581779	41.662	ng	100
8) 2-Chlorophenol	6.663	128	321394	42.055	ng	100
9) Benzaldehyde	6.434	77	330062	45.914	ng	100
10) Phenol	6.516	94	457250m	41.042	ng	
11) bis(2-Chloroethyl)ether	6.616	93	358980	41.712	ng	100
12) 1,3-Dichlorobenzene	6.822	146	376359	41.141	ng	100
13) 1,4-Dichlorobenzene	6.898	146	372118	41.238	ng	100
14) 1,2-Dichlorobenzene	7.051	146	356137	41.204	ng	100
15) Benzyl Alcohol	7.022	79	291212	41.707	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.151	45	804199	41.052	ng	100
17) 2-Methylphenol	7.128	107	261669	41.430	ng	100
18) Hexachloroethane	7.398	117	124325	41.313	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	254701	39.929	ng	100
20) 3+4-Methylphenols	7.281	107	314281	42.934	ng	100
22) Acetophenone	7.292	105	415513	40.946	ng	100
24) Nitrobenzene	7.463	77	375708	42.828	ng	100
25) Isophorone	7.704	82	677007	40.645	ng	100
26) 2-Nitrophenol	7.781	139	167096	44.428	ng	100
27) 2,4-Dimethylphenol	7.810	122	282923	41.818	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	425986	40.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	294452	41.782	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	286330	41.312	ng	100
31) Naphthalene	8.187	128	894263	40.961	ng	100
32) Benzoic acid	7.916	122	199609m	42.630	ng	
33) 4-Chloroaniline	8.234	127	340866	41.630	ng	100
34) Hexachlorobutadiene	8.304	225	198282	41.170	ng	100
35) Caprolactam	8.604	113	91458	40.816	ng	100
36) 4-Chloro-3-methylphenol	8.710	107	275908	40.758	ng	100
37) 2-Methylnaphthalene	8.881	142	591428	40.669	ng	100
38) 1-Methylnaphthalene	8.981	142	581114	41.196	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	306622	42.665	ng	100
41) Hexachlorocyclopentadiene	9.034	237	133694	44.842	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	231469	44.081	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	237161	42.739	ng	100
46) 1,1'-Biphenyl	9.345	154	714293	41.490	ng	100
47) 2-Chloronaphthalene	9.369	162	591442	41.204	ng	100
48) 2-Nitroaniline	9.463	65	203733	44.894	ng	100
49) Acenaphthylene	9.786	152	844067	41.828	ng	100
50) Dimethylphthalate	9.639	163	671290	40.653	ng	100
51) 2,6-Dinitrotoluene	9.704	165	136198	44.481	ng	100
52) Acenaphthene	9.957	154	547286	41.390	ng	100
53) 3-Nitroaniline	9.875	138	159366	42.507	ng	100
54) 2,4-Dinitrophenol	9.981	184	62187	37.010	ng	100
55) Dibenzofuran	10.128	168	776950	41.625	ng	100
56) 4-Nitrophenol	10.028	139	121519	42.807	ng	100
57) 2,4-Dinitrotoluene	10.110	165	189965	45.597	ng	100
58) Fluorene	10.475	166	570508	40.506	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	168932	43.006	ng	100
60) Diethylphthalate	10.345	149	635433	41.422	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	310008	41.632	ng	100
62) 4-Nitroaniline	10.486	138	151866	42.123	ng	100
63) Azobenzene	10.628	77	665698	41.521	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	98551	44.075	ng	100
66) n-Nitrosodiphenylamine	10.586	169	583617	41.773	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	205559	41.803	ng	100
68) Hexachlorobenzene	11.022	284	237363	41.695	ng	100
69) Atrazine	11.110	200	173212	40.905	ng	100
70) Pentachlorophenol	11.216	266	140140	42.862	ng	100
71) Phenanthrene	11.439	178	868592	40.266	ng	100
72) Anthracene	11.492	178	912011	41.850	ng	100
73) Carbazole	11.645	167	786783	40.765	ng	100
74) Di-n-butylphthalate	11.975	149	936899	41.884	ng	100
75) Fluoranthene	12.627	202	918503	41.223	ng	100
77) Benzidine	12.751	184	387464	43.833	ng	100
78) Pyrene	12.863	202	948521	44.692	ng	100
80) Butylbenzylphthalate	13.480	149	315716	45.804	ng	100
81) Benzo(a)anthracene	14.051	228	711609	42.715	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	224071	44.135	ng	100
83) Chrysene	14.086	228	658639	42.717	ng	100
84) Bis(2-ethylhexyl)phtha...	14.039	149	376273	45.286	ng	100
85) Di-n-octyl phthalate	14.657	149	608123	44.561	ng	100
87) Indeno(1,2,3-cd)pyrene	17.039	276	699234	45.470	ng	100
88) Benzo(b)fluoranthene	15.104	252	636888	44.178	ng	100
89) Benzo(k)fluoranthene	15.133	252	556111	41.688	ng	100
90) Benzo(a)pyrene	15.480	252	553098	44.246	ng	100
91) Dibenzo(a,h)anthracene	17.057	278	566134	45.774	ng	100
92) Benzo(g,h,i)perylene	17.492	276	560761	45.340	ng	100

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

ICAL Form

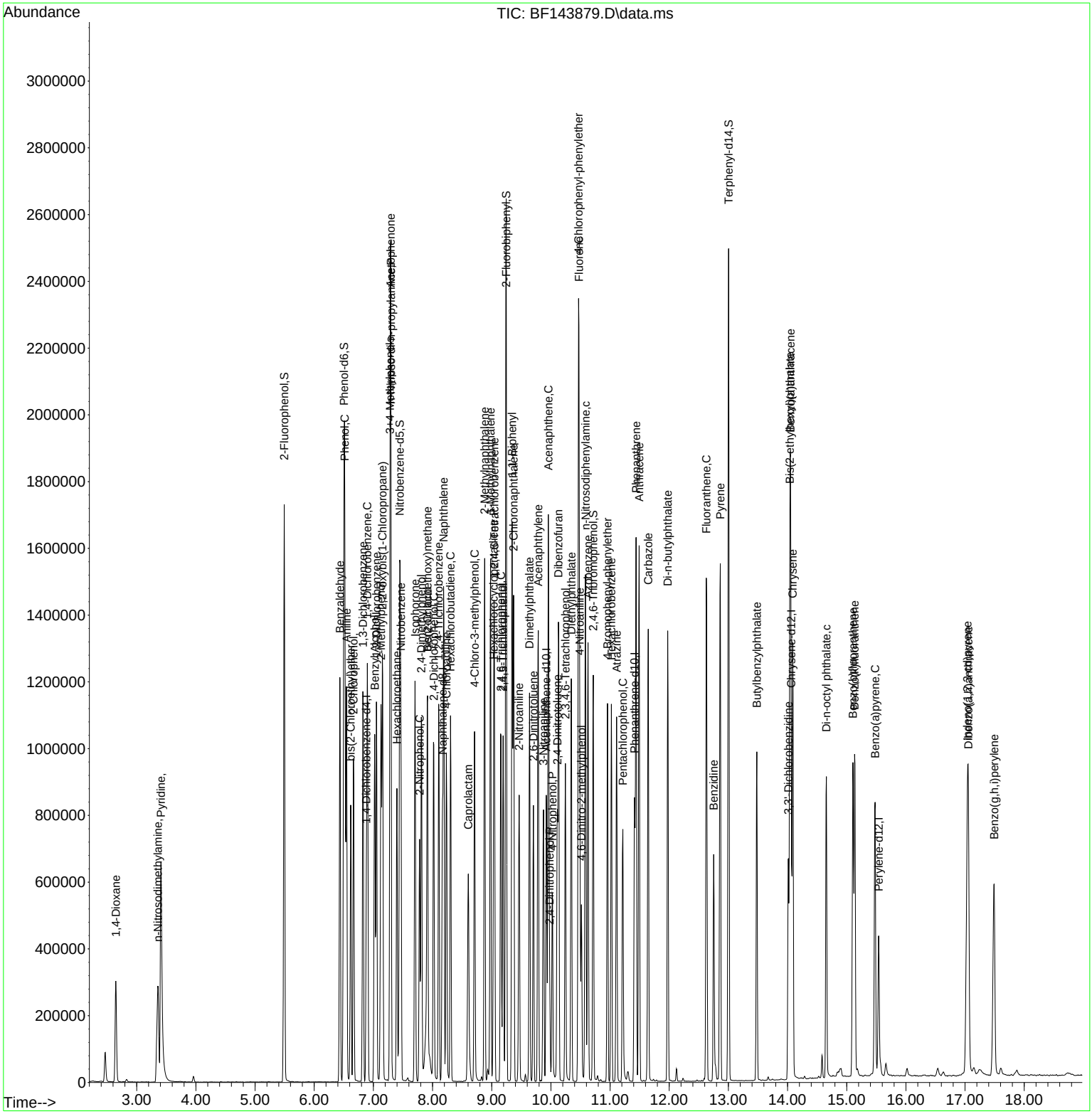
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	182011	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	710843	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	393762	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	674807	20.000	ng		0.00
76) Chrysene-d12	14.068	240	390779	20.000	ng		0.00
86) Perylene-d12	15.545	264	426414	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1067519	93.138	ng		0.00
7) Phenol-d6	6.510	99	1277645	93.519	ng		0.00
23) Nitrobenzene-d5	7.451	82	1148649	98.174	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	390657	99.608	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1936883	78.050	ng		0.00
79) Terphenyl-d14	13.010	244	2083463	91.121	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	247738	46.709	ng		99
3) Pyridine	3.416	79	759117	49.164	ng		98
4) n-Nitrosodimethylamine	3.381	42	417134	51.355	ng		98
6) Aniline	6.551	93	994174	48.562	ng		99
8) 2-Chlorophenol	6.669	128	546266	48.757	ng		98
9) Benzaldehyde	6.439	77	545259	51.738	ng		99
10) Phenol	6.528	94	799210	48.932	ng		93
11) bis(2-Chloroethyl)ether	6.622	93	595127	47.169	ng		97
12) 1,3-Dichlorobenzene	6.828	146	607764	45.318	ng		98
13) 1,4-Dichlorobenzene	6.904	146	603407	45.612	ng		99
14) 1,2-Dichlorobenzene	7.057	146	583790	46.072	ng		99
15) Benzyl Alcohol	7.028	79	515929	50.402	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1368524	47.652	ng		99
17) 2-Methylphenol	7.134	107	448120	48.397	ng		99
18) Hexachloroethane	7.398	117	207432	47.017	ng		97
19) n-Nitroso-di-n-propyla...	7.310	70	441373	47.198	ng		98
20) 3+4-Methylphenols	7.292	107	485879	45.276	ng	#	83
22) Acetophenone	7.298	105	665276	44.262	ng	#	94
24) Nitrobenzene	7.475	77	625692	48.155	ng		98
25) Isophorone	7.716	82	1181135	47.877	ng		98
26) 2-Nitrophenol	7.786	139	296399	53.208	ng		99
27) 2,4-Dimethylphenol	7.816	122	480868	47.987	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	706471	45.333	ng		99
29) 2,4-Dichlorophenol	8.022	162	497289	47.642	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	473064	46.083	ng		98
31) Naphthalene	8.192	128	1451547	44.890	ng		100
32) Benzoic acid	7.945	122	384635	55.462	ng		98
33) 4-Chloroaniline	8.239	127	567726	46.813	ng		99
34) Hexachlorobutadiene	8.304	225	325186	45.586	ng		99
35) Caprolactam	8.628	113	167817	50.565	ng		99
36) 4-Chloro-3-methylphenol	8.716	107	477376	47.612	ng		98
37) 2-Methylnaphthalene	8.881	142	935960	43.453	ng		99
38) 1-Methylnaphthalene	8.981	142	918550	43.965	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	491771	45.187	ng		99
41) Hexachlorocyclopentadiene	9.033	237	242390	53.686	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	376991	47.410	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng		99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng		99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng		98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng		96
49) Acenaphthylene	9.786	152	1364193	44.642	ng		100
50) Dimethylphthalate	9.645	163	1147448	45.888	ng		99
51) 2,6-Dinitrotoluene	9.710	165	246567	53.176	ng		99
52) Acenaphthene	9.963	154	883487	44.122	ng		99
53) 3-Nitroaniline	9.880	138	291630	51.366	ng		97
54) 2,4-Dinitrophenol	9.980	184	140496	51.801	ng	#	82
55) Dibenzofuran	10.133	168	1233091	43.625	ng		99
56) 4-Nitrophenol	10.033	139	226765	52.750	ng		96
57) 2,4-Dinitrotoluene	10.116	165	329984	52.304	ng		98
58) Fluorene	10.480	166	882946	41.398	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	294987	49.591	ng	#	98
60) Diethylphthalate	10.351	149	1053032	45.330	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	477108	42.311	ng		98
62) 4-Nitroaniline	10.498	138	282713	51.782	ng		98
63) Azobenzene	10.627	77	1096875	45.178	ng		97
65) 4,6-Dinitro-2-methylph...	10.527	198	188400	55.558	ng		99
66) n-Nitrosodiphenylamine	10.586	169	943991	44.552	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	339818	45.566	ng		97
68) Hexachlorobenzene	11.027	284	407614	47.211	ng		97
69) Atrazine	11.116	200	309799	48.240	ng		99
70) Pentachlorophenol	11.216	266	259359	52.304	ng		98
71) Phenanthrene	11.445	178	1419666	43.395	ng		100
72) Anthracene	11.492	178	1440404	43.583	ng		99
73) Carbazole	11.645	167	1291982	44.139	ng		99
74) Di-n-butylphthalate	11.980	149	1534951	45.246	ng		100
75) Fluoranthene	12.633	202	1478181	43.744	ng		99
77) Benzidine	12.751	184	636126	46.882	ng		99
78) Pyrene	12.863	202	1505326	46.206	ng		99
80) Butylbenzylphthalate	13.480	149	532754	50.352	ng		99
81) Benzo(a)anthracene	14.051	228	1203843	47.075	ng		98
82) 3,3'-Dichlorobenzidine	14.015	252	391334	50.214	ng		98
83) Chrysene	14.092	228	1090275	46.065	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	626818	49.146	ng		99
85) Di-n-octyl phthalate	14.657	149	1082833	51.691	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1316167	50.373	ng		100
88) Benzo(b)fluoranthene	15.110	252	1167220	47.652	ng		98
89) Benzo(k)fluoranthene	15.139	252	983488	43.392	ng		98
90) Benzo(a)pyrene	15.480	252	997382	46.960	ng		97
91) Dibenzo(a,h)anthracene	17.068	278	1039281	49.457	ng		97
92) Benzo(g,h,i)perylene	17.503	276	1056021	50.253	ng		100

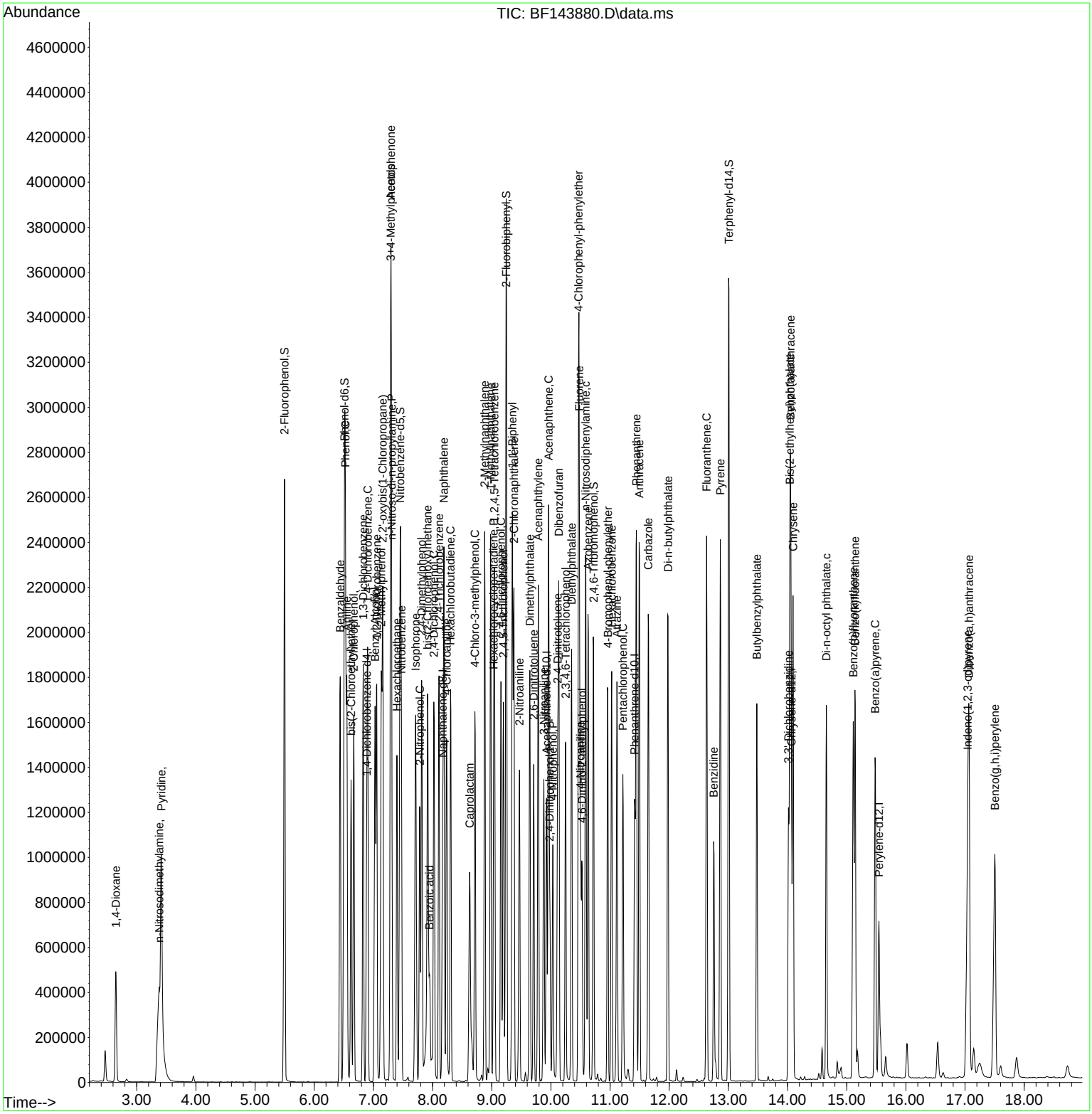
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143880.D
Acq On : 06 Oct 2025 13:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Oct 06 15:38:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136069	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	524164	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	286024	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	485489	20.000	ng	0.00
76) Chrysene-d12	14.063	240	287097	20.000	ng	0.00
86) Perylene-d12	15.539	264	309882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	961239	112.181	ng	0.00
7) Phenol-d6	6.510	99	1132663	110.899	ng	0.00
23) Nitrobenzene-d5	7.451	82	1021762	118.430	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	343442	120.554	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1764203	97.871	ng	0.00
79) Terphenyl-d14	13.004	244	1861234	110.799	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	235125	59.298	ng	98
3) Pyridine	3.410	79	685786	59.411	ng	99
4) n-Nitrosodimethylamine	3.369	42	371223	61.134	ng	96
6) Aniline	6.551	93	870980	56.909	ng	100
8) 2-Chlorophenol	6.669	128	482622	57.621	ng	98
9) Benzaldehyde	6.440	77	567228	71.995	ng	99
10) Phenol	6.528	94	710019	58.149	ng	94
11) bis(2-Chloroethyl)ether	6.622	93	531386	56.337	ng	98
12) 1,3-Dichlorobenzene	6.828	146	541823	54.041	ng	99
13) 1,4-Dichlorobenzene	6.904	146	547027	55.312	ng	100
14) 1,2-Dichlorobenzene	7.051	146	525807	55.507	ng	99
15) Benzyl Alcohol	7.028	79	450578	58.880	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1202366	56.002	ng	100
17) 2-Methylphenol	7.134	107	402660	58.170	ng	97
18) Hexachloroethane	7.398	117	189228	57.373	ng	97
19) n-Nitroso-di-n-propyla...	7.304	70	383071	54.794	ng	99
20) 3+4-Methylphenols	7.287	107	435782	54.319	ng	94
22) Acetophenone	7.298	105	589502	53.189	ng	98
24) Nitrobenzene	7.469	77	574563	59.969	ng	99
25) Isophorone	7.710	82	1042198	57.290	ng	99
26) 2-Nitrophenol	7.781	139	272450	66.327	ng	99
27) 2,4-Dimethylphenol	7.816	122	437344	59.187	ng	98
28) bis(2-Chloroethoxy)met...	7.916	93	631066	54.917	ng	99
29) 2,4-Dichlorophenol	8.022	162	442749	57.524	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	428102	56.555	ng	98
31) Naphthalene	8.192	128	1284573	53.874	ng	100
32) Benzoic acid	7.940	122	348955	68.237	ng	97
33) 4-Chloroaniline	8.239	127	504823	56.451	ng	99
34) Hexachlorobutadiene	8.304	225	294507	55.989	ng	98
35) Caprolactam	8.622	113	146970	60.055	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	423904	57.336	ng	99
37) 2-Methylnaphthalene	8.881	142	838837	52.814	ng	100
38) 1-Methylnaphthalene	8.981	142	822755	53.405	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	445714	56.382	ng	98
41) Hexachlorocyclopentadiene	9.034	237	205978	62.806	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	338809	58.657	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng		98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng		99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng		98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng		99
49) Acenaphthylene	9.786	152	1223951	55.140	ng		99
50) Dimethylphthalate	9.645	163	1031391	56.783	ng		100
51) 2,6-Dinitrotoluene	9.710	165	214169	63.587	ng		99
52) Acenaphthene	9.963	154	801773	55.124	ng		99
53) 3-Nitroaniline	9.881	138	255984	62.070	ng		96
54) 2,4-Dinitrophenol	9.981	184	123295	61.138	ng		95
55) Dibenzofuran	10.133	168	1111183	54.120	ng		99
56) 4-Nitrophenol	10.034	139	195321	62.550	ng		92
57) 2,4-Dinitrotoluene	10.110	165	297018	64.812	ng		97
58) Fluorene	10.475	166	791518	51.090	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	264796	61.283	ng	#	97
60) Diethylphthalate	10.351	149	948580	56.214	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	433339	52.905	ng		97
62) 4-Nitroaniline	10.498	138	247024	62.288	ng		98
63) Azobenzene	10.628	77	992054	56.252	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	166740	68.344	ng		99
66) n-Nitrosodiphenylamine	10.586	169	850570	55.797	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	302165	56.317	ng		98
68) Hexachlorobenzene	11.028	284	356406	57.378	ng		97
69) Atrazine	11.116	200	257412	55.713	ng		98
70) Pentachlorophenol	11.216	266	224011	62.792	ng		99
71) Phenanthrene	11.439	178	1270063	53.961	ng		99
72) Anthracene	11.492	178	1282940	53.956	ng		99
73) Carbazole	11.645	167	1170717	55.592	ng		99
74) Di-n-butylphthalate	11.975	149	1389569	56.934	ng		100
75) Fluoranthene	12.633	202	1325716	54.530	ng		99
77) Benzidine	12.751	184	551394	55.312	ng		98
78) Pyrene	12.863	202	1359513	56.800	ng		99
80) Butylbenzylphthalate	13.480	149	476448	61.293	ng		98
81) Benzo(a)anthracene	14.051	228	1111626	59.168	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	347863	60.756	ng		99
83) Chrysene	14.092	228	969765	55.770	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	579121	61.804	ng		99
85) Di-n-octyl phthalate	14.657	149	991597	64.431	ng		99
87) Indeno(1,2,3-cd)pyrene	17.045	276	1173726	61.815	ng		100
88) Benzo(b)fluoranthene	15.110	252	1117484	62.778	ng		99
89) Benzo(k)fluoranthene	15.139	252	855988	51.969	ng		99
90) Benzo(a)pyrene	15.480	252	901585	58.412	ng		98
91) Dibenzo(a,h)anthracene	17.062	278	935987	61.291	ng		98
92) Benzo(g,h,i)perylene	17.504	276	946452	61.976	ng		98

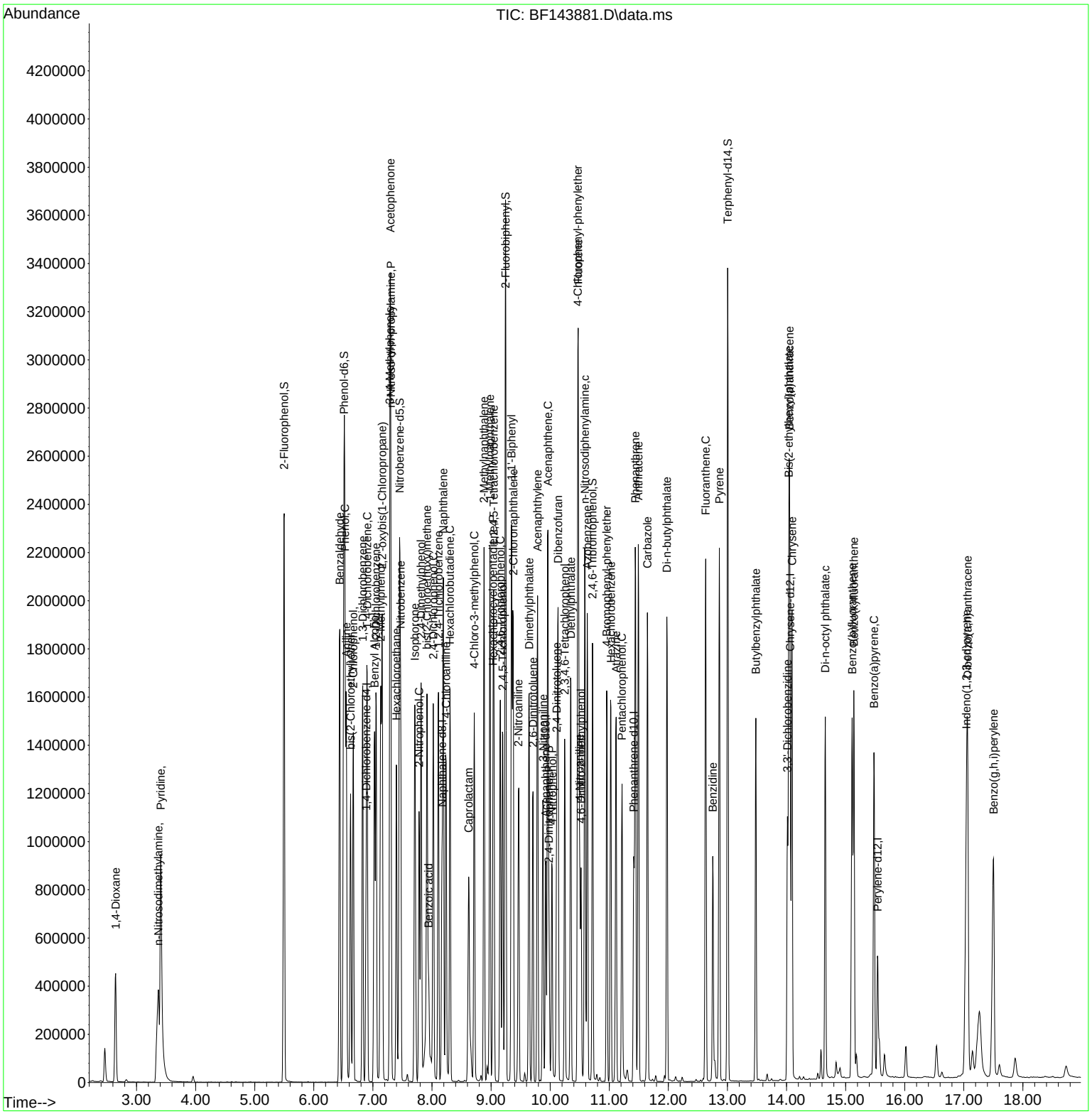
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143881.D
Acq On : 06 Oct 2025 13:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Oct 06 15:38:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.886	152	153550	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	584564	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	320335	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	540366	20.000	ng		0.00
76) Chrysene-d12	14.068	240	302500	20.000	ng		0.00
86) Perylene-d12	15.545	264	357911	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1325806	137.113	ng		0.00
7) Phenol-d6	6.516	99	1617892	140.374	ng		0.00
23) Nitrobenzene-d5	7.457	82	1436124	149.259	ng		0.00
42) 2,4,6-Tribromophenol	10.722	330	495811	155.397	ng		0.00
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng		
79) Terphenyl-d14	13.010	244	2382437	134.604	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.646	88	334123	74.672	ng		98
3) Pyridine	3.416	79	1009551	77.503	ng		99
4) n-Nitrosodimethylamine	3.387	42	552664	80.653	ng		96
6) Aniline	6.551	93	1226438	71.012	ng		94
8) 2-Chlorophenol	6.669	128	683900	72.356	ng		100
9) Benzaldehyde	6.439	77	546849	61.507	ng		99
10) Phenol	6.534	94	976173	70.844	ng		83
11) bis(2-Chloroethyl)ether	6.628	93	760388	71.438	ng		98
12) 1,3-Dichlorobenzene	6.828	146	746378	65.969	ng		98
13) 1,4-Dichlorobenzene	6.904	146	727973	65.228	ng		100
14) 1,2-Dichlorobenzene	7.057	146	708144	66.244	ng		99
15) Benzyl Alcohol	7.034	79	664305	76.926	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1670583	68.951	ng		97
17) 2-Methylphenol	7.134	107	569618	72.921	ng		98
18) Hexachloroethane	7.398	117	256173	68.827	ng		98
19) n-Nitroso-di-n-propyla...	7.316	70	559967	70.978	ng		99
20) 3+4-Methylphenols	7.298	107	573027	63.295	ng	#	78
22) Acetophenone	7.304	105	795315	64.345	ng	#	92
24) Nitrobenzene	7.475	77	800306	74.900	ng		98
25) Isophorone	7.722	82	1534787	75.651	ng		98
26) 2-Nitrophenol	7.786	139	389145	84.948	ng		98
27) 2,4-Dimethylphenol	7.822	122	616626	74.828	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	888473	69.328	ng		99
29) 2,4-Dichlorophenol	8.028	162	620755	72.318	ng		98
30) 1,2,4-Trichlorobenzene	8.110	180	583022	69.063	ng		99
31) Naphthalene	8.192	128	1710914	64.341	ng		99
32) Benzoic acid	7.963	122	539440m	94.587	ng		
33) 4-Chloroaniline	8.239	127	697350	69.923	ng		98
34) Hexachlorobutadiene	8.310	225	404619	68.974	ng		98
35) Caprolactam	8.645	113	218801	80.169	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	598614	72.601	ng		98
37) 2-Methylnaphthalene	8.886	142	1138146	64.254	ng		99
38) 1-Methylnaphthalene	8.986	142	1087879	63.318	ng		98
40) 1,2,4,5-Tetrachloroben...	9.051	216	594660	67.166	ng		98
41) Hexachlorocyclopentadiene	9.033	237	301178	81.998	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	481852	74.487	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	487322	71.286	ng	99
46) 1,1'-Biphenyl	9.351	154	1344805	63.407	ng	98
47) 2-Chloronaphthalene	9.375	162	1170019	66.165	ng	98
48) 2-Nitroaniline	9.469	65	445537	79.693	ng	99
49) Acenaphthylene	9.786	152	1644728	66.159	ng	100
50) Dimethylphthalate	9.645	163	1415482	69.582	ng	100
51) 2,6-Dinitrotoluene	9.716	165	303176	80.372	ng	97
52) Acenaphthene	9.963	154	1085733	66.651	ng	99
53) 3-Nitroaniline	9.886	138	365960	79.233	ng	98
54) 2,4-Dinitrophenol	9.986	184	187560	80.556	ng	97
55) Dibenzofuran	10.133	168	1471622	63.998	ng	98
56) 4-Nitrophenol	10.039	139	294937	84.335	ng	95
57) 2,4-Dinitrotoluene	10.116	165	409463	79.779	ng	94
58) Fluorene	10.480	166	1069764	61.654	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	368599	76.170	ng	98
60) Diethylphthalate	10.351	149	1267085	67.047	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	572035	62.357	ng	96
62) 4-Nitroaniline	10.510	138	351634	79.169	ng	98
63) Azobenzene	10.633	77	1351920	68.446	ng	97
65) 4,6-Dinitro-2-methylph...	10.533	198	236863	87.227	ng	99
66) n-Nitrosodiphenylamine	10.592	169	1139482	67.159	ng	98
67) 4-Bromophenyl-phenylether	10.963	248	423148	70.857	ng	98
68) Hexachlorobenzene	11.027	284	498602	72.118	ng	97
69) Atrazine	11.121	200	347749	67.621	ng	99
70) Pentachlorophenol	11.221	266	318486	80.208	ng	99
71) Phenanthrene	11.445	178	1676081	63.980	ng	99
72) Anthracene	11.498	178	1688865	63.814	ng	99
73) Carbazole	11.651	167	1519615	64.832	ng	100
74) Di-n-butylphthalate	11.980	149	1793855	66.034	ng	100
75) Fluoranthene	12.633	202	1706368	63.059	ng	99
78) Pyrene	12.863	202	1718085	68.126	ng	99
80) Butylbenzylphthalate	13.480	149	633516	77.349	ng	97
81) Benzo(a)anthracene	14.057	228	1449801	73.238	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	461359	76.476	ng	98
83) Chrysene	14.092	228	1349286	73.645	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	749327	75.897	ng	100
85) Di-n-octyl phthalate	14.657	149	1370760	84.532	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	1786876	81.478	ng	99
88) Benzo(b)fluoranthene	15.115	252	1431875	69.645	ng	98
89) Benzo(k)fluoranthene	15.145	252	1362026	71.595	ng	98
90) Benzo(a)pyrene	15.486	252	1321893	74.151	ng	99
91) Dibenzo(a,h)anthracene	17.080	278	1391562	78.895	ng	97
92) Benzo(g,h,i)perylene	17.515	276	1451721	82.305	ng	98

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

ICAL Form

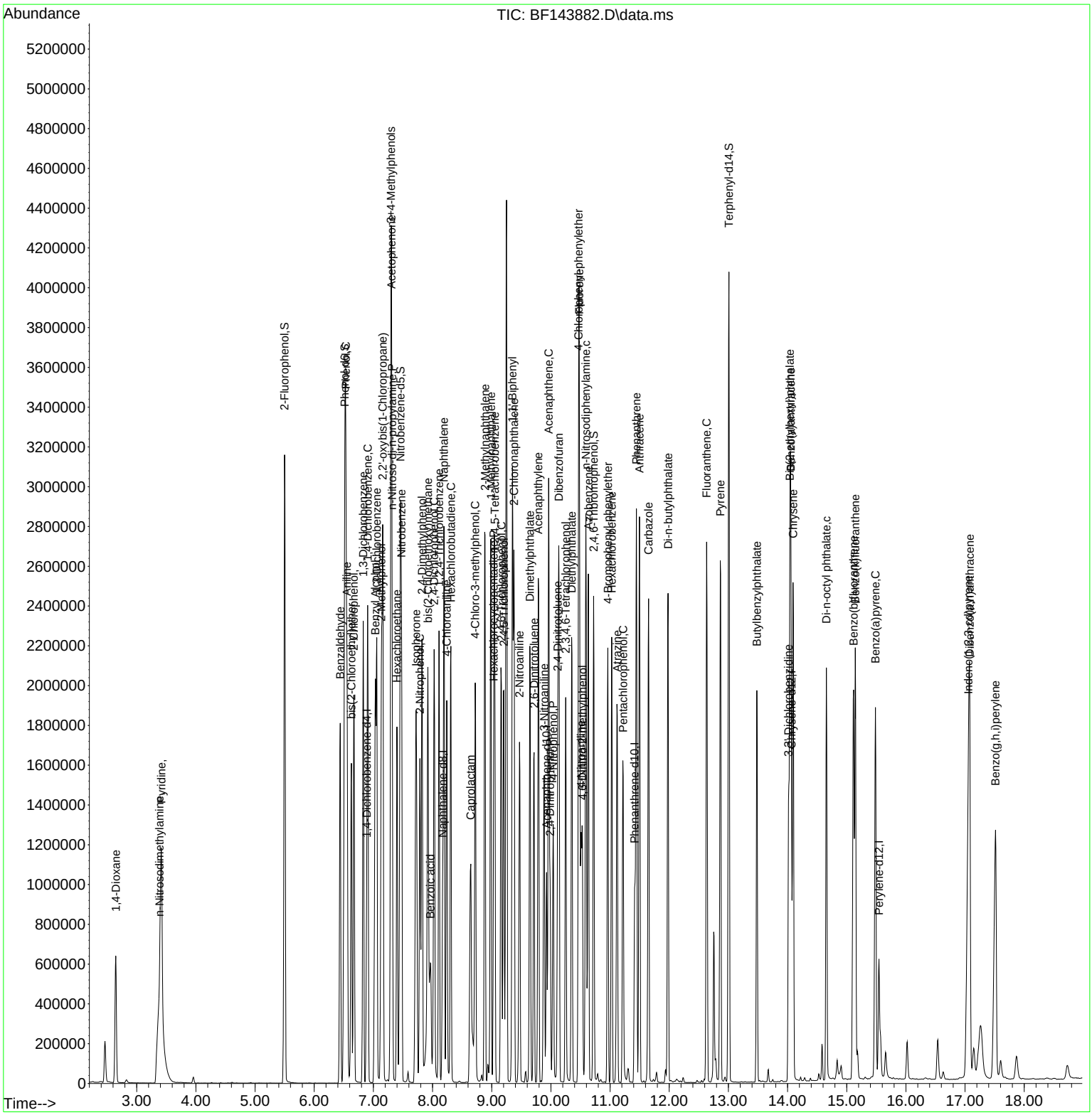
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	114039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	448972	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	247780	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	431562	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259802	20.000	ng	0.00
86) Perylene-d12	15.539	264	249446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	537941	74.908	ng	0.00
7) Phenol-d6	6.498	99	637597	74.487	ng	-0.02
23) Nitrobenzene-d5	7.445	82	549291	74.330	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	176914	71.685	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1055942	67.621	ng	-0.01
79) Terphenyl-d14	13.004	244	1131636	74.443	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.652	88	123809	37.256	ng	99
3) Pyridine	3.410	79	341125	35.261	ng	99
4) n-Nitrosodimethylamine	3.357	42	195710	38.456	ng	97
6) Aniline	6.545	93	486607	37.937	ng	99
8) 2-Chlorophenol	6.663	128	267562	38.116	ng	98
9) Benzaldehyde	6.434	77	245247	37.141	ng	99
10) Phenol	6.516	94	383770m	37.501	ng	
11) bis(2-Chloroethyl)ether	6.616	93	289024	36.561	ng	99
12) 1,3-Dichlorobenzene	6.822	146	317865	37.828	ng	100
13) 1,4-Dichlorobenzene	6.898	146	318221	38.392	ng	100
14) 1,2-Dichlorobenzene	7.051	146	314832	39.655	ng	99
15) Benzyl Alcohol	7.022	79	249958	38.974	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	676009	37.568	ng	99
17) 2-Methylphenol	7.128	107	222497	38.352	ng	96
18) Hexachloroethane	7.398	117	104363	37.755	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	214516	36.612	ng	98
20) 3+4-Methylphenols	7.281	107	268144	39.880	ng	94
22) Acetophenone	7.292	105	358014	37.713	ng	96
24) Nitrobenzene	7.463	77	309611	37.727	ng	100
25) Isophorone	7.704	82	550779	35.347	ng	99
26) 2-Nitrophenol	7.781	139	136223	38.717	ng	99
27) 2,4-Dimethylphenol	7.810	122	258524	40.847	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	360632	36.639	ng	98
29) 2,4-Dichlorophenol	8.016	162	243265	36.899	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	243161	37.503	ng	98
31) Naphthalene	8.186	128	749110	36.679	ng	99
32) Benzoic acid	7.904	122	154019	35.162	ng	98
33) 4-Chloroaniline	8.233	127	321328	41.950	ng	98
34) Hexachlorobutadiene	8.304	225	158600	35.201	ng	95
35) Caprolactam	8.598	113	79102	37.736	ng	93
36) 4-Chloro-3-methylphenol	8.710	107	228481	36.079	ng	99
37) 2-Methylnaphthalene	8.881	142	452442	33.257	ng	99
38) 1-Methylnaphthalene	8.980	142	465414	35.269	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	254223	37.122	ng	98
41) Hexachlorocyclopentadiene	9.033	237	139168	48.984	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	183769	36.726	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	186099	35.194	ng		96
46) 1,1'-Biphenyl	9.345	154	603213	36.770	ng		98
47) 2-Chloronaphthalene	9.369	162	498615	36.454	ng		97
48) 2-Nitroaniline	9.463	65	168191	38.894	ng		99
49) Acenaphthylene	9.786	152	785697	40.859	ng		99
50) Dimethylphthalate	9.645	163	565953	35.968	ng		99
51) 2,6-Dinitrotoluene	9.704	165	122449	41.967	ng		99
52) Acenaphthene	9.957	154	452513	35.913	ng		99
53) 3-Nitroaniline	9.875	138	144668	40.493	ng		95
54) 2,4-Dinitrophenol	9.975	184	52796	33.731	ng	#	42
55) Dibenzofuran	10.127	168	653073	36.717	ng		99
56) 4-Nitrophenol	10.022	139	99684	36.850	ng		96
57) 2,4-Dinitrotoluene	10.104	165	163440	41.169	ng		99
58) Fluorene	10.475	166	476811	35.527	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.204	232	144064	38.488	ng		93
60) Diethylphthalate	10.345	149	533574	36.501	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	256247	36.113	ng		96
62) 4-Nitroaniline	10.486	138	127369	37.074	ng		99
63) Azobenzene	10.627	77	562787	36.837	ng		100
65) 4,6-Dinitro-2-methylph...	10.516	198	80422	37.083	ng		96
66) n-Nitrosodiphenylamine	10.580	169	496618	36.649	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	162033	33.973	ng		95
68) Hexachlorobenzene	11.022	284	190028	34.415	ng		99
69) Atrazine	11.110	200	160244	39.016	ng		98
70) Pentachlorophenol	11.216	266	104958	33.097	ng		99
71) Phenanthrene	11.439	178	743609	35.542	ng		99
72) Anthracene	11.492	178	766674	36.273	ng		99
73) Carbazole	11.645	167	678522	36.246	ng		99
74) Di-n-butylphthalate	11.974	149	806451	37.171	ng		99
75) Fluoranthene	12.627	202	778418	36.019	ng		99
77) Benzidine	12.751	184	409653	45.411	ng		98
78) Pyrene	12.863	202	789075	36.431	ng		99
80) Butylbenzylphthalate	13.480	149	274237	38.986	ng		98
81) Benzo(a)anthracene	14.051	228	614473	36.142	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	221480	42.747	ng		99
83) Chrysene	14.086	228	594668	37.792	ng		98
84) Bis(2-ethylhexyl)phtha...	14.039	149	326966	38.560	ng		99
85) Di-n-octyl phthalate	14.657	149	502989	36.116	ng		99
87) Indeno(1,2,3-cd)pyrene	17.033	276	563492	36.867	ng		98
88) Benzo(b)fluoranthene	15.104	252	537814	37.533	ng		99
89) Benzo(k)fluoranthene	15.133	252	467396	35.252	ng		100
90) Benzo(a)pyrene	15.474	252	470896	37.900	ng		98
91) Dibenzo(a,h)anthracene	17.051	278	454776	36.995	ng		97
92) Benzo(g,h,i)perylene	17.486	276	456833	37.162	ng		98

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

ICAL Form

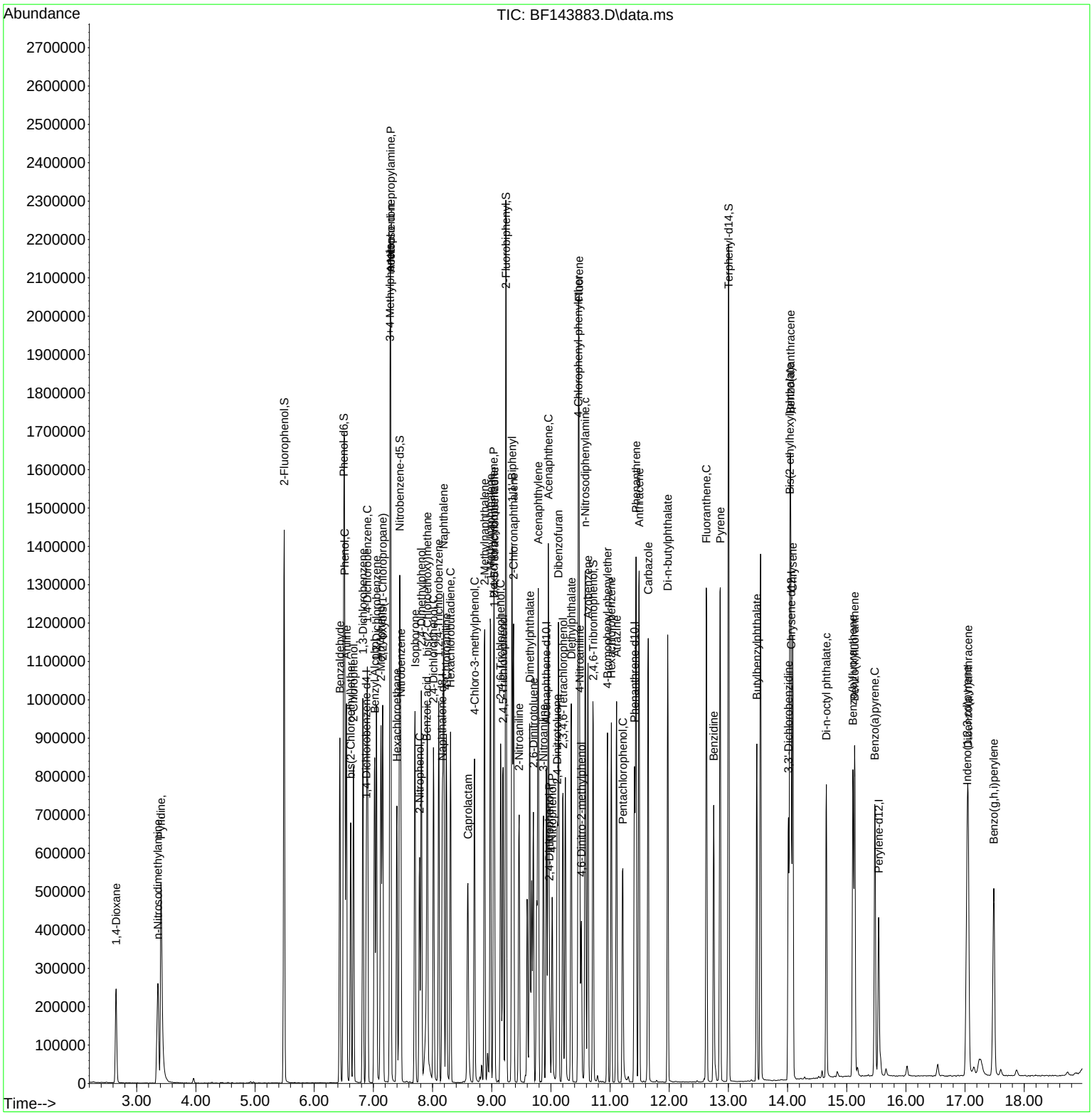
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	92	0.00
2		1,4-Dioxane	0.583	0.543	6.9	82	0.00
3		Pyridine	1.697	1.496	11.8	78	0.00
4		n-Nitrosodimethylamine	0.893	0.858	3.9	87	-0.03
5	S	2-Fluorophenol	1.259	1.179	6.4	83	0.00
6		Aniline	2.250	2.134	5.2	84	0.00
7	S	Phenol-d6	1.501	1.398	6.9	83	-0.02
8		2-Chlorophenol	1.231	1.173	4.7	83	0.00
9		Benzaldehyde	1.158	1.075	7.2	74	0.00
10	C	Phenol	1.795	1.683	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	1.386	1.267	8.6	81	-0.01
12		1,3-Dichlorobenzene	1.474	1.394	5.4	84	0.00
13	C	1,4-Dichlorobenzene	1.454	1.395	4.1	86	0.00
14		1,2-Dichlorobenzene	1.392	1.380	0.9	88	0.00
15		Benzyl Alcohol	1.125	1.096	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	2.964	6.1	84	0.00
17		2-Methylphenol	1.017	0.976	4.0	85	0.00
18		Hexachloroethane	0.485	0.458	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.941	8.5	84	-0.02
20		3+4-Methylphenols	1.179	1.176	0.3	85	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	94	0.00
22		Acetophenone	0.423	0.399	5.7	86	-0.01
23	S	Nitrobenzene-d5	0.329	0.306	7.0	83	-0.01
24		Nitrobenzene	0.366	0.345	5.7	82	-0.01
25		Isophorone	0.694	0.613	11.7	81	-0.02
26	C	2-Nitrophenol	0.157	0.152	3.2	82	0.00
27		2,4-Dimethylphenol	0.282	0.288	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	0.438	0.402	8.2	85	-0.01
29	C	2,4-Dichlorophenol	0.294	0.271	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	0.289	0.271	6.2	85	0.00
31		Naphthalene	0.910	0.834	8.4	84	0.00
32		Benzoic acid	0.195	0.172	11.8	80	-0.06
33		4-Chloroaniline	0.341	0.358	-5.0	94	0.00
34	C	Hexachlorobutadiene	0.201	0.177	11.9	80	0.00
35		Caprolactam	0.093	0.088	5.4	86	-0.05
36	C	4-Chloro-3-methylphenol	0.282	0.254	9.9	83	-0.01
37		2-Methylnaphthalene	0.606	0.504	16.8	76	0.00
38		1-Methylnaphthalene	0.588	0.518	11.9	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.513	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.281	-22.7	104	0.00
42	S	2,4,6-Tribromophenol	0.199	0.178	10.6	82	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.371	8.2	79	-0.01
44		2,4,5-Trichlorophenol	0.427	0.376	11.9	78	-0.01
45	S	2-Fluorobiphenyl	1.260	1.065	15.5	83	-0.01
46		1,1'-Biphenyl	1.324	1.217	8.1	84	0.00
47		2-Chloronaphthalene	1.104	1.006	8.9	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.339	2.9	83	0.00
49		Acenaphthylene	1.552	1.585	-2.1	93	0.00
50		Dimethylphthalate	1.270	1.142	10.1	84	0.00
51		2,6-Dinitrotoluene	0.236	0.247	-4.7	90	-0.01
52	C	Acenaphthene	1.017	0.913	10.2	83	0.00
53		3-Nitroaniline	0.288	0.292	-1.4	91	-0.01
54	P	2,4-Dinitrophenol	0.118	0.107	9.3	85	-0.01
55		Dibenzofuran	1.436	1.318	8.2	84	0.00
56	P	4-Nitrophenol	0.218	0.201	7.8	82	-0.02
57		2,4-Dinitrotoluene	0.320	0.330	-3.1	86	-0.01
58		Fluorene	1.083	0.962	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.291	3.6	85	-0.05
60		Diethylphthalate	1.180	1.077	8.7	84	0.00
61		4-Chlorophenyl-phenylether	0.573	0.517	9.8	83	0.00
62		4-Nitroaniline	0.277	0.257	7.2	84	-0.02
63		Azobenzene	1.233	1.136	7.9	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.093	7.9	82	-0.02
66	c	n-Nitrosodiphenylamine	0.628	0.575	8.4	85	-0.01
67		4-Bromophenyl-phenylether	0.221	0.188	14.9	79	0.00
68		Hexachlorobenzene	0.256	0.220	14.1	80	0.00
69		Atrazine	0.190	0.186	2.1	93	-0.01
70	C	Pentachlorophenol	0.147	0.122	17.0	75	0.00
71		Phenanthrene	0.970	0.862	11.1	86	0.00
72		Anthracene	0.980	0.888	9.4	84	0.00
73		Carbazole	0.868	0.786	9.4	86	0.00
74		Di-n-butylphthalate	1.005	0.934	7.1	86	0.00
75	C	Fluoranthene	1.002	0.902	10.0	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.694	0.788	-13.5	106	0.00
78		Pyrene	1.667	1.519	8.9	83	0.00
79	S	Terphenyl-d14	1.170	1.089	6.9	87	0.00
80		Butylbenzylphthalate	0.542	0.528	2.6	87	0.00
81		Benzo(a)anthracene	1.309	1.183	9.6	86	0.00
82		3,3'-Dichlorobenzidine	0.399	0.426	-6.8	99	0.00
83		Chrysene	1.211	1.144	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.629	3.7	87	0.00
85	c	Di-n-octyl phthalate	1.072	0.968	9.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.129	7.8	81	-0.02
88		Benzo(b)fluoranthene	1.149	1.078	6.2	84	-0.01
89		Benzo(k)fluoranthene	1.063	0.937	11.9	84	-0.01
90	C	Benzo(a)pyrene	0.996	0.944	5.2	85	-0.01
91		Dibenzo(a,h)anthracene	0.986	0.912	7.5	80	-0.03
92		Benzo(g,h,i)perylene	0.986	0.916	7.1	81	-0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	92	0.00
2		1,4-Dioxane	40.000	37.256	6.9	82	0.00
3		Pyridine	40.000	35.261	11.8	78	0.00
4		n-Nitrosodimethylamine	40.000	38.456	3.9	87	-0.03
5	S	2-Fluorophenol	80.000	74.908	6.4	83	0.00
6		Aniline	40.000	37.937	5.2	84	0.00
7	S	Phenol-d6	80.000	74.487	6.9	83	-0.02
8		2-Chlorophenol	40.000	38.116	4.7	83	0.00
9		Benzaldehyde	40.000	37.141	7.1	74	0.00
10	C	Phenol	40.000	37.501	6.2	84	-0.02
11		bis(2-Chloroethyl)ether	40.000	36.561	8.6	81	-0.01
12		1,3-Dichlorobenzene	40.000	37.828	5.4	84	0.00
13	C	1,4-Dichlorobenzene	40.000	38.392	4.0	86	0.00
14		1,2-Dichlorobenzene	40.000	39.655	0.9	88	0.00
15		Benzyl Alcohol	40.000	38.974	2.6	86	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	37.568	6.1	84	0.00
17		2-Methylphenol	40.000	38.352	4.1	85	0.00
18		Hexachloroethane	40.000	37.755	5.6	84	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.612	8.5	84	-0.02
20		3+4-Methylphenols	40.000	39.880	0.3	85	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	94	0.00
22		Acetophenone	40.000	37.713	5.7	86	-0.01
23	S	Nitrobenzene-d5	80.000	74.330	7.1	83	-0.01
24		Nitrobenzene	40.000	37.727	5.7	82	-0.01
25		Isophorone	40.000	35.347	11.6	81	-0.02
26	C	2-Nitrophenol	40.000	38.717	3.2	82	0.00
27		2,4-Dimethylphenol	40.000	40.847	-2.1	91	-0.01
28		bis(2-Chloroethoxy)methane	40.000	36.639	8.4	85	-0.01
29	C	2,4-Dichlorophenol	40.000	36.899	7.8	83	-0.01
30		1,2,4-Trichlorobenzene	40.000	37.503	6.2	85	0.00
31		Naphthalene	40.000	36.679	8.3	84	0.00
32		Benzoic acid	40.000	35.162	12.1	80	-0.06
33		4-Chloroaniline	40.000	41.950	-4.9	94	0.00
34	C	Hexachlorobutadiene	40.000	35.201	12.0	80	0.00
35		Caprolactam	40.000	37.736	5.7	86	-0.05
36	C	4-Chloro-3-methylphenol	40.000	36.079	9.8	83	-0.01
37		2-Methylnaphthalene	40.000	33.257	16.9	76	0.00
38		1-Methylnaphthalene	40.000	35.269	11.8	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.122	7.2	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.984	-22.5	104	0.00
42	S	2,4,6-Tribromophenol	80.000	71.685	10.4	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.726	8.2	79	-0.01
44		2,4,5-Trichlorophenol	40.000	35.194	12.0	78	-0.01
45	S	2-Fluorobiphenyl	80.000	67.621	15.5	83	-0.01
46		1,1'-Biphenyl	40.000	36.770	8.1	84	0.00
47		2-Chloronaphthalene	40.000	36.454	8.9	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	38.894	2.8	83	0.00
49		Acenaphthylene	40.000	40.859	-2.1	93	0.00
50		Dimethylphthalate	40.000	35.968	10.1	84	0.00
51		2,6-Dinitrotoluene	40.000	41.967	-4.9	90	-0.01
52	C	Acenaphthene	40.000	35.913	10.2	83	0.00
53		3-Nitroaniline	40.000	40.493	-1.2	91	-0.01
54	P	2,4-Dinitrophenol	40.000	33.731	15.7	85	-0.01
55		Dibenzofuran	40.000	36.717	8.2	84	0.00
56	P	4-Nitrophenol	40.000	36.850	7.9	82	-0.02
57		2,4-Dinitrotoluene	40.000	41.169	-2.9	86	-0.01
58		Fluorene	40.000	35.527	11.2	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.488	3.8	85	-0.05
60		Diethylphthalate	40.000	36.501	8.7	84	0.00
61		4-Chlorophenyl-phenylether	40.000	36.113	9.7	83	0.00
62		4-Nitroaniline	40.000	37.074	7.3	84	-0.02
63		Azobenzene	40.000	36.837	7.9	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.083	7.3	82	-0.02
66	c	n-Nitrosodiphenylamine	40.000	36.649	8.4	85	-0.01
67		4-Bromophenyl-phenylether	40.000	33.973	15.1	79	0.00
68		Hexachlorobenzene	40.000	34.415	14.0	80	0.00
69		Atrazine	40.000	39.016	2.5	93	-0.01
70	C	Pentachlorophenol	40.000	33.097	17.3	75	0.00
71		Phenanthrene	40.000	35.542	11.1	86	0.00
72		Anthracene	40.000	36.273	9.3	84	0.00
73		Carbazole	40.000	36.246	9.4	86	0.00
74		Di-n-butylphthalate	40.000	37.171	7.1	86	0.00
75	C	Fluoranthene	40.000	36.019	10.0	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	45.411	-13.5	106	0.00
78		Pyrene	40.000	36.431	8.9	83	0.00
79	S	Terphenyl-d14	80.000	74.443	6.9	87	0.00
80		Butylbenzylphthalate	40.000	38.986	2.5	87	0.00
81		Benzo(a)anthracene	40.000	36.142	9.6	86	0.00
82		3,3'-Dichlorobenzidine	40.000	42.747	-6.9	99	0.00
83		Chrysene	40.000	37.792	5.5	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.560	3.6	87	0.00
85	c	Di-n-octyl phthalate	40.000	36.116	9.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.867	7.8	81	-0.02
88		Benzo(b)fluoranthene	40.000	37.533	6.2	84	-0.01
89		Benzo(k)fluoranthene	40.000	35.252	11.9	84	-0.01
90	C	Benzo(a)pyrene	40.000	37.900	5.3	85	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.995	7.5	80	-0.03
92		Benzo(g,h,i)perylene	40.000	37.162	7.1	81	-0.03

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

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

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

Raw Data: **BF143931.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: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date/Time: 10/13/2025 14:32

Lab File ID: BF143931.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.315		4.4	
Benzaldehyde	1.158	1.264		9.2	
Phenol-d6	1.501	1.526		1.7	
Phenol	1.795	1.830		2.0	20.0
bis(2-Chloroethyl)ether	1.386	1.441		4.0	
2-Chlorophenol	1.231	1.290		4.8	
2-Methylphenol	1.017	1.054		3.6	
2,2-oxybis(1-Chloropropane)	3.156	3.323		5.3	
Acetophenone	0.423	0.410		-3.1	
3+4-Methylphenols	1.179	1.218		3.3	
n-Nitroso-di-n-propylamine	1.028	0.993	0.050	-3.4	
Nitrobenzene-d5	0.329	0.350		6.4	
Hexachloroethane	0.485	0.495		2.1	
Nitrobenzene	0.366	0.389		6.3	
Isophorone	0.694	0.692		-0.3	
2-Nitrophenol	0.157	0.188		19.7	20.0
2,4-Dimethylphenol	0.282	0.287		1.8	
bis(2-Chloroethoxy)methane	0.438	0.437		-0.2	
2,4-Dichlorophenol	0.294	0.300		2.0	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.346		1.5	
Hexachlorobutadiene	0.201	0.203		1.0	20.0
Caprolactam	0.093	0.092		-1.1	
4-Chloro-3-methylphenol	0.282	0.284		0.7	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.220	0.050	-3.9	
2,4,6-Trichlorophenol	0.404	0.430		6.4	20.0
2-Fluorobiphenyl	1.260	1.190		-5.6	
2,4,5-Trichlorophenol	0.427	0.426		-0.2	
1,1-Biphenyl	1.324	1.316		-0.6	
2-Chloronaphthalene	1.104	1.120		1.4	
2-Nitroaniline	0.349	0.392		12.3	
Dimethylphthalate	1.270	1.252		-1.4	
Acenaphthylene	1.552	1.563		0.7	
2,6-Dinitrotoluene	0.236	0.269		14.0	
3-Nitroaniline	0.288	0.304		5.6	
Acenaphthene	1.017	1.019		0.2	20.0
2,4-Dinitrophenol	0.118	0.133	0.050	12.7	
4-Nitrophenol	0.218	0.210	0.050	-3.7	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date/Time: 10/13/2025 14:32

Lab File ID: BF143931.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.401		-2.4	
2,4-Dinitrotoluene	0.320	0.362		13.1	
Diethylphthalate	1.180	1.163		-1.4	
4-Chlorophenyl-phenylether	0.573	0.571		-0.3	
Fluorene	1.083	1.045		-3.5	
4-Nitroaniline	0.277	0.281		1.4	
4,6-Dinitro-2-methylphenol	0.101	0.116		14.9	
n-Nitrosodiphenylamine	0.628	0.641		2.1	20.0
2,4,6-Tribromophenol	0.199	0.200		0.5	
4-Bromophenyl-phenylether	0.221	0.226		2.3	
Hexachlorobenzene	0.256	0.251		-2.0	
Atrazine	0.190	0.186		-2.1	
Pentachlorophenol	0.147	0.142		-3.4	20.0
Phenanthrene	0.970	0.964		-0.6	
Anthracene	0.980	0.978		-0.2	
Carbazole	0.868	0.846		-2.5	
Di-n-butylphthalate	1.005	1.031		2.6	
Fluoranthene	1.002	0.938		-6.4	20.0
Pyrene	1.667	1.758		5.5	
Terphenyl-d14	1.170	1.262		7.9	
Butylbenzylphthalate	0.542	0.623		14.9	
3,3-Dichlorobenzidine	0.399	0.439		10.0	
Benzo(a)anthracene	1.309	1.385		5.8	
Chrysene	1.211	1.250		3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.787		20.5	
Di-n-octyl phthalate	1.072	1.373		28.1	20.0
Benzo(b)fluoranthene	1.149	1.123		-2.3	
Benzo(k)fluoranthene	1.063	1.044		-1.8	
Benzo(a)pyrene	0.996	1.051		5.5	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.462		19.3	
Dibenzo(a,h)anthracene	0.986	1.181		19.8	
Benzo(g,h,i)perylene	0.986	1.149		16.5	
1,2,4,5-Tetrachlorobenzene	0.553	0.566		2.4	
1,4-Dioxane	0.583	0.615		5.5	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.301		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	130985	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	502019	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	268195	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	439915	20.000	ng	0.00
76) Chrysene-d12	14.063	240	237468	20.000	ng	0.00
86) Perylene-d12	15.551	264	283298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	689104	83.543	ng	0.00
7) Phenol-d6	6.510	99	799314	81.299	ng	0.00
23) Nitrobenzene-d5	7.451	82	701833	84.936	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	214868	80.436	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1276291	75.510	ng	0.00
79) Terphenyl-d14	13.004	244	1198719	86.273	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	161156	42.221	ng	99
3) Pyridine	3.399	79	477280	42.953	ng	99
4) n-Nitrosodimethylamine	3.346	42	234727	40.156	ng	95
6) Aniline	6.545	93	600267	40.743	ng	98
8) 2-Chlorophenol	6.669	128	337944	41.914	ng	98
9) Benzaldehyde	6.434	77	331177	43.666	ng	97
10) Phenol	6.522	94	479374m	40.783	ng	
11) bis(2-Chloroethyl)ether	6.622	93	377514	41.577	ng	99
12) 1,3-Dichlorobenzene	6.828	146	388190	40.221	ng	99
13) 1,4-Dichlorobenzene	6.904	146	386291	40.575	ng	98
14) 1,2-Dichlorobenzene	7.057	146	375237	41.149	ng	98
15) Benzyl Alcohol	7.022	79	306663	41.629	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	870587	42.123	ng	100
17) 2-Methylphenol	7.134	107	276195	41.449	ng	98
18) Hexachloroethane	7.398	117	129577	40.812	ng	98
19) n-Nitroso-di-n-propyla...	7.298	70	260090	38.647	ng	100
20) 3+4-Methylphenols	7.287	107	319189	41.330	ng	92
22) Acetophenone	7.292	105	411776	38.792	ng	95
24) Nitrobenzene	7.469	77	390867	42.596	ng	98
25) Isophorone	7.704	82	695096	39.895	ng	100
26) 2-Nitrophenol	7.781	139	188452	47.902	ng	97
27) 2,4-Dimethylphenol	7.816	122	287840	40.673	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	438419	39.835	ng	100
29) 2,4-Dichlorophenol	8.022	162	300914	40.821	ng	97
30) 1,2,4-Trichlorobenzene	8.110	180	293146	40.435	ng	99
31) Naphthalene	8.192	128	905599	39.656	ng	100
32) Benzoic acid	7.922	122	199387	40.709	ng	96
33) 4-Chloroaniline	8.239	127	347764	40.604	ng	98
34) Hexachlorobutadiene	8.304	225	204003	40.494	ng	99
35) Caprolactam	8.610	113	92080	39.286	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	285307	40.292	ng	99
37) 2-Methylnaphthalene	8.881	142	601573	39.546	ng	98
38) 1-Methylnaphthalene	8.981	142	567048	38.431	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	303574	40.954	ng	98
41) Hexachlorocyclopentadiene	9.034	237	117871	38.330	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	230865	42.626	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

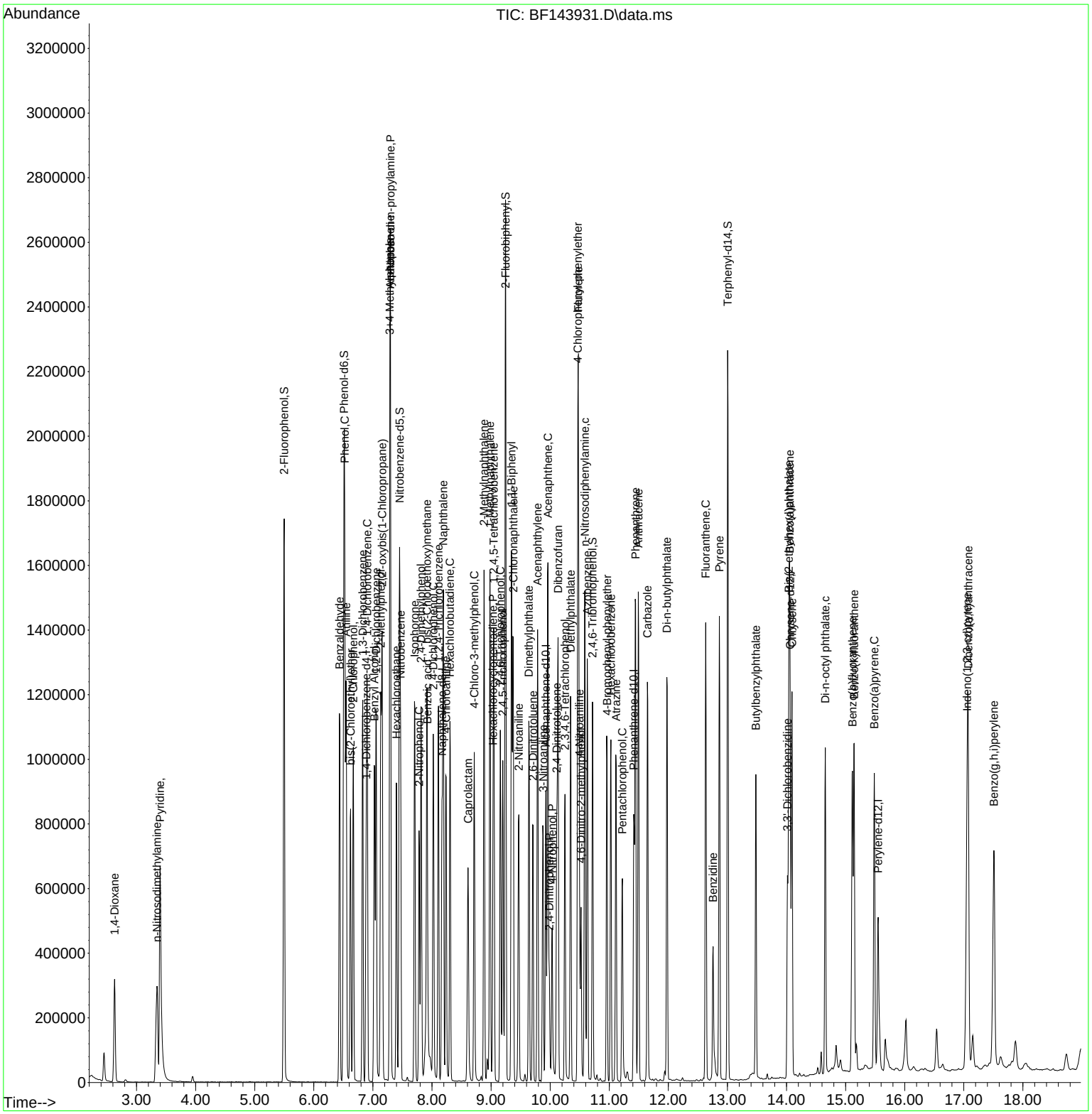
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	228433	39.912	ng		97
46) 1,1'-Biphenyl	9.345	154	705801	39.748	ng		99
47) 2-Chloronaphthalene	9.375	162	600588	40.567	ng		96
48) 2-Nitroaniline	9.469	65	210058	44.878	ng		99
49) Acenaphthylene	9.786	152	838642	40.293	ng		100
50) Dimethylphthalate	9.639	163	671382	39.420	ng		100
51) 2,6-Dinitrotoluene	9.710	165	144448	45.738	ng		95
52) Acenaphthene	9.963	154	546414	40.065	ng		100
53) 3-Nitroaniline	9.881	138	162985	42.147	ng		99
54) 2,4-Dinitrophenol	9.986	184	71297	40.364	ng	#	88
55) Dibenzofuran	10.133	168	751596	39.040	ng		98
56) 4-Nitrophenol	10.033	139	112678	38.483	ng		98
57) 2,4-Dinitrotoluene	10.110	165	194438	45.249	ng		99
58) Fluorene	10.475	166	560501	38.584	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	161529	39.869	ng	#	99
60) Diethylphthalate	10.345	149	623709	39.419	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	306140	39.860	ng		99
62) 4-Nitroaniline	10.492	138	150588	40.496	ng		94
63) Azobenzene	10.628	77	672152	40.646	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	102037	46.156	ng		97
66) n-Nitrosodiphenylamine	10.586	169	563752	40.813	ng		98
67) 4-Bromophenyl-phenylether	10.963	248	199074	40.947	ng		98
68) Hexachlorobenzene	11.028	284	220687	39.209	ng		99
69) Atrazine	11.116	200	163272	38.999	ng		98
70) Pentachlorophenol	11.222	266	124893	38.635	ng		99
71) Phenanthrene	11.445	178	848405	39.780	ng		99
72) Anthracene	11.492	178	860660	39.946	ng		99
73) Carbazole	11.645	167	744027	38.991	ng		99
74) Di-n-butylphthalate	11.975	149	907465	41.033	ng		100
75) Fluoranthene	12.633	202	825481	37.472	ng		99
77) Benzidine	12.757	184	294601	35.729	ng		98
78) Pyrene	12.863	202	835133	42.184	ng		99
80) Butylbenzylphthalate	13.480	149	296093	46.052	ng		99
81) Benzo(a)anthracene	14.057	228	657643	42.319	ng		98
82) 3,3'-Dichlorobenzidine	14.016	252	208518	44.030	ng		98
83) Chrysene	14.092	228	593625	41.274	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	373681	48.214	ng		98
85) Di-n-octyl phthalate	14.657	149	652031	51.221	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	828468	47.726	ng		98
88) Benzo(b)fluoranthene	15.116	252	636123	39.089	ng		99
89) Benzo(k)fluoranthene	15.145	252	591456	39.278	ng		99
90) Benzo(a)pyrene	15.486	252	595478	42.200	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	669037	47.921	ng		99
92) Benzo(g,h,i)perylene	17.509	276	651209	46.644	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Sample Results: **BF143931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.583	0.615	-5.5	107	-0.02
3		Pyridine	1.697	1.822	-7.4	108	-0.02
4		n-Nitrosodimethylamine	0.893	0.896	-0.3	104	-0.04
5	S	2-Fluorophenol	1.259	1.315	-4.4	106	0.00
6		Aniline	2.250	2.291	-1.8	103	0.00
7	S	Phenol-d6	1.501	1.526	-1.7	104	0.00
8		2-Chlorophenol	1.231	1.290	-4.8	105	0.00
9		Benzaldehyde	1.158	1.264	-9.2	100	0.00
10	C	Phenol	1.795	1.830	-1.9	105	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.441	-4.0	105	0.00
12		1,3-Dichlorobenzene	1.474	1.482	-0.5	103	0.00
13	C	1,4-Dichlorobenzene	1.454	1.475	-1.4	104	0.00
14		1,2-Dichlorobenzene	1.392	1.432	-2.9	105	0.00
15		Benzyl Alcohol	1.125	1.171	-4.1	105	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.323	-5.3	108	0.00
17		2-Methylphenol	1.017	1.054	-3.6	106	0.00
18		Hexachloroethane	0.485	0.495	-2.1	104	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.993	3.4	102	-0.02
20		3+4-Methylphenols	1.179	1.218	-3.3	102	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.423	0.410	3.1	99	-0.01
23	S	Nitrobenzene-d5	0.329	0.350	-6.4	106	0.00
24		Nitrobenzene	0.366	0.389	-6.3	104	0.00
25		Isophorone	0.694	0.692	0.3	103	-0.02
26	C	2-Nitrophenol	0.157	0.188	-19.7	113	0.00
27		2,4-Dimethylphenol	0.282	0.287	-1.8	102	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.437	0.2	103	0.00
29	C	2,4-Dichlorophenol	0.294	0.300	-2.0	102	0.00
30		1,2,4-Trichlorobenzene	0.289	0.292	-1.0	102	0.00
31		Naphthalene	0.910	0.902	0.9	101	0.00
32		Benzoic acid	0.195	0.199	-2.1	104	-0.04
33		4-Chloroaniline	0.341	0.346	-1.5	102	0.00
34	C	Hexachlorobutadiene	0.201	0.203	-1.0	103	0.00
35		Caprolactam	0.093	0.092	1.1	101	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.284	-0.7	103	0.00
37		2-Methylnaphthalene	0.606	0.599	1.2	102	0.00
38		1-Methylnaphthalene	0.588	0.565	3.9	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.566	-2.4	99	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.220	3.9	88	0.00
42	S	2,4,6-Tribromophenol	0.199	0.200	-0.5	100	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.430	-6.4	100	0.00
44		2,4,5-Trichlorophenol	0.427	0.426	0.2	96	0.00
45	S	2-Fluorobiphenyl	1.260	1.190	5.6	100	0.00
46		1,1'-Biphenyl	1.324	1.316	0.6	99	0.00
47		2-Chloronaphthalene	1.104	1.120	-1.4	102	0.00

Sample Results: **BF143931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.392	-12.3	103	0.00
49		Acenaphthylene	1.552	1.563	-0.7	99	0.00
50		Dimethylphthalate	1.270	1.252	1.4	100	0.00
51		2,6-Dinitrotoluene	0.236	0.269	-14.0	106	0.00
52	C	Acenaphthene	1.017	1.019	-0.2	100	0.00
53		3-Nitroaniline	0.288	0.304	-5.6	102	0.00
54	P	2,4-Dinitrophenol	0.118	0.133	-12.7	115	0.00
55		Dibenzofuran	1.436	1.401	2.4	97	0.00
56	P	4-Nitrophenol	0.218	0.210	3.7	93	0.00
57		2,4-Dinitrotoluene	0.320	0.362	-13.1	102	0.00
58		Fluorene	1.083	1.045	3.5	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.301	0.3	96	0.00
60		Diethylphthalate	1.180	1.163	1.4	98	0.00
61		4-Chlorophenyl-phenylether	0.573	0.571	0.3	99	0.00
62		4-Nitroaniline	0.277	0.281	-1.4	99	-0.02
63		Azobenzene	1.233	1.253	-1.6	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	99	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.116	-14.9	104	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.641	-2.1	97	0.00
67		4-Bromophenyl-phenylether	0.221	0.226	-2.3	97	0.00
68		Hexachlorobenzene	0.256	0.251	2.0	93	0.00
69		Atrazine	0.190	0.186	2.1	94	0.00
70	C	Pentachlorophenol	0.147	0.142	3.4	89	0.00
71		Phenanthrene	0.970	0.964	0.6	98	0.00
72		Anthracene	0.980	0.978	0.2	94	0.00
73		Carbazole	0.868	0.846	2.5	95	0.00
74		Di-n-butylphthalate	1.005	1.031	-2.6	97	0.00
75	C	Fluoranthene	1.002	0.938	6.4	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.694	0.620	10.7	76	0.00
78		Pyrene	1.667	1.758	-5.5	88	0.00
79	S	Terphenyl-d14	1.170	1.262	-7.9	92	0.00
80		Butylbenzylphthalate	0.542	0.623	-14.9	94	0.00
81		Benzo(a)anthracene	1.309	1.385	-5.8	92	0.00
82		3,3'-Dichlorobenzidine	0.399	0.439	-10.0	93	0.00
83		Chrysene	1.211	1.250	-3.2	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.787	-20.5	99	0.00
85	c	Di-n-octyl phthalate	1.072	1.373	-28.1#	107	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.462	-19.3	118	0.00
88		Benzo(b)fluoranthene	1.149	1.123	2.3	100	0.00
89		Benzo(k)fluoranthene	1.063	1.044	1.8	106	0.00
90	C	Benzo(a)pyrene	0.996	1.051	-5.5	108	0.00
91		Dibenzo(a,h)anthracene	0.986	1.181	-19.8	118	0.00
92		Benzo(g,h,i)perylene	0.986	1.149	-16.5	116	0.00

Sample Results: **BF143931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BF143931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	42.221	-5.6	107	-0.02
3		Pyridine	40.000	42.953	-7.4	108	-0.02
4		n-Nitrosodimethylamine	40.000	40.156	-0.4	104	-0.04
5	S	2-Fluorophenol	80.000	83.543	-4.4	106	0.00
6		Aniline	40.000	40.743	-1.9	103	0.00
7	S	Phenol-d6	80.000	81.299	-1.6	104	0.00
8		2-Chlorophenol	40.000	41.914	-4.8	105	0.00
9		Benzaldehyde	40.000	43.666	-9.2	100	0.00
10	C	Phenol	40.000	40.783	-2.0	105	-0.01
11		bis(2-Chloroethyl)ether	40.000	41.577	-3.9	105	0.00
12		1,3-Dichlorobenzene	40.000	40.221	-0.6	103	0.00
13	C	1,4-Dichlorobenzene	40.000	40.575	-1.4	104	0.00
14		1,2-Dichlorobenzene	40.000	41.149	-2.9	105	0.00
15		Benzyl Alcohol	40.000	41.629	-4.1	105	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	42.123	-5.3	108	0.00
17		2-Methylphenol	40.000	41.449	-3.6	106	0.00
18		Hexachloroethane	40.000	40.812	-2.0	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.647	3.4	102	-0.02
20		3+4-Methylphenols	40.000	41.330	-3.3	102	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	38.792	3.0	99	-0.01
23	S	Nitrobenzene-d5	80.000	84.936	-6.2	106	0.00
24		Nitrobenzene	40.000	42.596	-6.5	104	0.00
25		Isophorone	40.000	39.895	0.3	103	-0.02
26	C	2-Nitrophenol	40.000	47.902	-19.8	113	0.00
27		2,4-Dimethylphenol	40.000	40.673	-1.7	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.835	0.4	103	0.00
29	C	2,4-Dichlorophenol	40.000	40.821	-2.1	102	0.00
30		1,2,4-Trichlorobenzene	40.000	40.435	-1.1	102	0.00
31		Naphthalene	40.000	39.656	0.9	101	0.00
32		Benzoic acid	40.000	40.709	-1.8	104	-0.04
33		4-Chloroaniline	40.000	40.604	-1.5	102	0.00
34	C	Hexachlorobutadiene	40.000	40.494	-1.2	103	0.00
35		Caprolactam	40.000	39.286	1.8	101	-0.04
36	C	4-Chloro-3-methylphenol	40.000	40.292	-0.7	103	0.00
37		2-Methylnaphthalene	40.000	39.546	1.1	102	0.00
38		1-Methylnaphthalene	40.000	38.431	3.9	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.954	-2.4	99	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.330	4.2	88	0.00
42	S	2,4,6-Tribromophenol	80.000	80.436	-0.5	100	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.626	-6.6	100	0.00
44		2,4,5-Trichlorophenol	40.000	39.912	0.2	96	0.00
45	S	2-Fluorobiphenyl	80.000	75.510	5.6	100	0.00
46		1,1'-Biphenyl	40.000	39.748	0.6	99	0.00
47		2-Chloronaphthalene	40.000	40.567	-1.4	102	0.00

Sample Results: **BF143931.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	44.878	-12.2	103	0.00
49		Acenaphthylene	40.000	40.293	-0.7	99	0.00
50		Dimethylphthalate	40.000	39.420	1.4	100	0.00
51		2,6-Dinitrotoluene	40.000	45.738	-14.3	106	0.00
52	C	Acenaphthene	40.000	40.065	-0.2	100	0.00
53		3-Nitroaniline	40.000	42.147	-5.4	102	0.00
54	P	2,4-Dinitrophenol	40.000	40.364	-0.9	115	0.00
55		Dibenzofuran	40.000	39.040	2.4	97	0.00
56	P	4-Nitrophenol	40.000	38.483	3.8	93	0.00
57		2,4-Dinitrotoluene	40.000	45.249	-13.1	102	0.00
58		Fluorene	40.000	38.584	3.5	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.869	0.3	96	0.00
60		Diethylphthalate	40.000	39.419	1.5	98	0.00
61		4-Chlorophenyl-phenylether	40.000	39.860	0.4	99	0.00
62		4-Nitroaniline	40.000	40.496	-1.2	99	-0.02
63		Azobenzene	40.000	40.646	-1.6	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	99	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.156	-15.4	104	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.813	-2.0	97	0.00
67		4-Bromophenyl-phenylether	40.000	40.947	-2.4	97	0.00
68		Hexachlorobenzene	40.000	39.209	2.0	93	0.00
69		Atrazine	40.000	38.999	2.5	94	0.00
70	C	Pentachlorophenol	40.000	38.635	3.4	89	0.00
71		Phenanthrene	40.000	39.780	0.5	98	0.00
72		Anthracene	40.000	39.946	0.1	94	0.00
73		Carbazole	40.000	38.991	2.5	95	0.00
74		Di-n-butylphthalate	40.000	41.033	-2.6	97	0.00
75	C	Fluoranthene	40.000	37.472	6.3	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	35.729	10.7	76	0.00
78		Pyrene	40.000	42.184	-5.5	88	0.00
79	S	Terphenyl-d14	80.000	86.273	-7.8	92	0.00
80		Butylbenzylphthalate	40.000	46.052	-15.1	94	0.00
81		Benzo(a)anthracene	40.000	42.319	-5.8	92	0.00
82		3,3'-Dichlorobenzidine	40.000	44.030	-10.1	93	0.00
83		Chrysene	40.000	41.274	-3.2	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	48.214	-20.5	99	0.00
85	c	Di-n-octyl phthalate	40.000	51.221	-28.1#	107	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.726	-19.3	118	0.00
88		Benzo(b)fluoranthene	40.000	39.089	2.3	100	0.00
89		Benzo(k)fluoranthene	40.000	39.278	1.8	106	0.00
90	C	Benzo(a)pyrene	40.000	42.200	-5.5	108	0.00
91		Dibenzo(a,h)anthracene	40.000	47.921	-19.8	118	0.00
92		Benzo(g,h,i)perylene	40.000	46.644	-16.6	116	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143931.D
Acq On : 13 Oct 2025 14:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 13 14:55:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

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

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

Raw Data: **BF143946.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: LANG01

Lab Code: ACE SDG No.: Q3323

Instrument ID: BNA_F Calibration Date/Time: 10/14/2025 13:57

Lab File ID: BF143946.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.310		4.1	
Benzaldehyde	1.158	1.233		6.5	
Phenol-d6	1.501	1.541		2.7	
Phenol	1.795	1.891		5.3	20.0
bis(2-Chloroethyl)ether	1.386	1.423		2.7	
2-Chlorophenol	1.231	1.302		5.8	
2-Methylphenol	1.017	1.014		-0.3	
2,2-oxybis(1-Chloropropane)	3.156	3.174		0.6	
Acetophenone	0.423	0.402		-5.0	
3+4-Methylphenols	1.179	1.146		-2.8	
n-Nitroso-di-n-propylamine	1.028	0.867	0.050	-15.7	
Nitrobenzene-d5	0.329	0.353		7.3	
Hexachloroethane	0.485	0.504		3.9	
Nitrobenzene	0.366	0.387		5.7	
Isophorone	0.694	0.639		-7.9	
2-Nitrophenol	0.157	0.180		14.6	20.0
2,4-Dimethylphenol	0.282	0.276		-2.1	
bis(2-Chloroethoxy)methane	0.438	0.412		-5.9	
2,4-Dichlorophenol	0.294	0.291		-1.0	20.0
Naphthalene	0.910	0.905		-0.5	
4-Chloroaniline	0.341	0.323		-5.3	
Hexachlorobutadiene	0.201	0.202		0.5	20.0
Caprolactam	0.093	0.086		-7.5	
4-Chloro-3-methylphenol	0.282	0.267		-5.3	20.0
2-Methylnaphthalene	0.606	0.560		-7.6	
Hexachlorocyclopentadiene	0.229	0.197	0.050	-14.0	
2,4,6-Trichlorophenol	0.404	0.405		0.2	20.0
2-Fluorobiphenyl	1.260	1.191		-5.5	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.324	1.345		1.6	
2-Chloronaphthalene	1.104	1.133		2.6	
2-Nitroaniline	0.349	0.395		13.2	
Dimethylphthalate	1.270	1.296		2.0	
Acenaphthylene	1.552	1.575		1.5	
2,6-Dinitrotoluene	0.236	0.266		12.7	
3-Nitroaniline	0.288	0.309		7.3	
Acenaphthene	1.017	1.027		1.0	20.0
2,4-Dinitrophenol	0.118	0.124	0.050	5.1	
4-Nitrophenol	0.218	0.224	0.050	2.8	

Raw Data: **BF143946.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	LANG01
Lab Code:	ACE	SDG No.:	Q3323
Instrument ID:	BNA_F	Calibration Date/Time:	10/14/2025 13:57
Lab File ID:	BF143946.D	Init. Calib. Date(s):	10/06/2025 10/06/2025
EPA Sample No.:	SSTDCCC040	Init. Calib. Time(s):	09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.446		0.7	
2,4-Dinitrotoluene	0.320	0.368		15.0	
Diethylphthalate	1.180	1.193		1.1	
4-Chlorophenyl-phenylether	0.573	0.590		3.0	
Fluorene	1.083	1.080		-0.3	
4-Nitroaniline	0.277	0.289		4.3	
4,6-Dinitro-2-methylphenol	0.101	0.116		14.9	
n-Nitrosodiphenylamine	0.628	0.637		1.4	20.0
2,4,6-Tribromophenol	0.199	0.199		0.0	
4-Bromophenyl-phenylether	0.221	0.224		1.4	
Hexachlorobenzene	0.256	0.255		-0.4	
Atrazine	0.190	0.188		-1.1	
Pentachlorophenol	0.147	0.137		-6.8	20.0
Phenanthrene	0.970	0.972		0.2	
Anthracene	0.980	0.988		0.8	
Carbazole	0.868	0.872		0.5	
Di-n-butylphthalate	1.005	1.066		6.1	
Fluoranthene	1.002	0.990		-1.2	20.0
Pyrene	1.667	1.875		12.5	
Terphenyl-d14	1.170	1.334		14.0	
Butylbenzylphthalate	0.542	0.648		19.6	
3,3-Dichlorobenzidine	0.399	0.389		-2.5	
Benzo(a)anthracene	1.309	1.436		9.7	
Chrysene	1.211	1.243		2.6	
Bis(2-ethylhexyl)phthalate	0.653	0.758		16.1	
Di-n-octyl phthalate	1.072	1.165		8.7	20.0
Benzo(b)fluoranthene	1.149	1.180		2.7	
Benzo(k)fluoranthene	1.063	1.025		-3.6	
Benzo(a)pyrene	0.996	1.040		4.4	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.462		19.3	
Dibenzo(a,h)anthracene	0.986	1.156		17.2	
Benzo(g,h,i)perylene	0.986	1.164		18.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.594		7.4	
1,4-Dioxane	0.583	0.641		9.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.313		3.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	131735	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	483664	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	238586	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	401091	20.000	ng		0.00
76) Chrysene-d12	14.063	240	215371	20.000	ng		0.00
86) Perylene-d12	15.545	264	223666	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	690421	83.226	ng		0.00
7) Phenol-d6	6.510	99	811974	82.116	ng		0.00
23) Nitrobenzene-d5	7.445	82	682662	85.752	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	189633	79.800	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1136532	75.586	ng		0.00
79) Terphenyl-d14	13.004	244	1149086	91.186	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	169001	44.024	ng		96
3) Pyridine	3.399	79	480430	42.990	ng		98
4) n-Nitrosodimethylamine	3.352	42	236372	40.207	ng		94
6) Aniline	6.545	93	588388	39.710	ng		100
8) 2-Chlorophenol	6.669	128	342924	42.289	ng		99
9) Benzaldehyde	6.434	77	324748	42.575	ng		98
10) Phenol	6.522	94	498291m	42.151	ng		
11) bis(2-Chloroethyl)ether	6.616	93	374945	41.059	ng		96
12) 1,3-Dichlorobenzene	6.822	146	385674	39.733	ng		99
13) 1,4-Dichlorobenzene	6.904	146	389372	40.666	ng		99
14) 1,2-Dichlorobenzene	7.051	146	376141	41.014	ng		99
15) Benzyl Alcohol	7.022	79	296222	39.983	ng		96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	836311	40.234	ng		99
17) 2-Methylphenol	7.134	107	267271	39.882	ng		99
18) Hexachloroethane	7.398	117	132810	41.592	ng		96
19) n-Nitroso-di-n-propyla...	7.298	70	228389	33.743	ng		99
20) 3+4-Methylphenols	7.287	107	301950	38.875	ng	#	86
22) Acetophenone	7.292	105	389320	38.069	ng		97
24) Nitrobenzene	7.469	77	374413	42.351	ng		98
25) Isophorone	7.704	82	618157	36.826	ng		100
26) 2-Nitrophenol	7.781	139	174296	45.985	ng		98
27) 2,4-Dimethylphenol	7.816	122	267205	39.190	ng		98
28) bis(2-Chloroethoxy)met...	7.916	93	398619	37.593	ng		99
29) 2,4-Dichlorophenol	8.022	162	281062	39.575	ng		97
30) 1,2,4-Trichlorobenzene	8.110	180	292262	41.843	ng		99
31) Naphthalene	8.192	128	875804	39.806	ng		100
32) Benzoic acid	7.922	122	173523	36.773	ng		93
33) 4-Chloroaniline	8.234	127	312547	37.877	ng		98
34) Hexachlorobutadiene	8.304	225	195169	40.211	ng		99
35) Caprolactam	8.610	113	83372	36.920	ng		94
36) 4-Chloro-3-methylphenol	8.716	107	257833	37.794	ng		99
37) 2-Methylnaphthalene	8.881	142	541743	36.965	ng		99
38) 1-Methylnaphthalene	8.981	142	514512	36.193	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	283503	42.993	ng		99
41) Hexachlorocyclopentadiene	9.034	237	93838	34.302	ng		97
43) 2,4,6-Trichlorophenol	9.157	196	193277	40.115	ng		96

Sample Results: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	211314	41.502	ng		99
46) 1,1'-Biphenyl	9.345	154	641629	40.618	ng		99
47) 2-Chloronaphthalene	9.369	162	540831	41.064	ng		97
48) 2-Nitroaniline	9.463	65	188709	45.320	ng		98
49) Acenaphthylene	9.786	152	751334	40.578	ng		99
50) Dimethylphthalate	9.639	163	618312	40.809	ng		99
51) 2,6-Dinitrotoluene	9.704	165	126824	45.141	ng		98
52) Acenaphthene	9.957	154	490216	40.405	ng		99
53) 3-Nitroaniline	9.875	138	147312	42.822	ng		96
54) 2,4-Dinitrophenol	9.981	184	59081	38.075	ng		97
55) Dibenzofuran	10.133	168	690158	40.297	ng		98
56) 4-Nitrophenol	10.033	139	106964	41.065	ng		97
57) 2,4-Dinitrotoluene	10.110	165	175714	45.966	ng		97
58) Fluorene	10.475	166	515449	39.886	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	149408	41.453	ng	#	97
60) Diethylphthalate	10.345	149	569179	40.437	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	281308	41.172	ng		100
62) 4-Nitroaniline	10.492	138	137840	41.668	ng		97
63) Azobenzene	10.628	77	623168	42.361	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	92947	46.114	ng		97
66) n-Nitrosodiphenylamine	10.586	169	510617	40.545	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	179555	40.507	ng		99
68) Hexachlorobenzene	11.022	284	204767	39.902	ng		98
69) Atrazine	11.110	200	150571	39.446	ng		99
70) Pentachlorophenol	11.216	266	110105	37.358	ng		98
71) Phenanthrene	11.439	178	779766	40.101	ng		100
72) Anthracene	11.492	178	792245	40.330	ng		99
73) Carbazole	11.645	167	699298	40.194	ng		99
74) Di-n-butylphthalate	11.975	149	855352	42.420	ng		99
75) Fluoranthene	12.633	202	794413	39.552	ng		99
77) Benzidine	12.757	184	253067	33.841	ng		98
78) Pyrene	12.863	202	807540	44.975	ng		100
80) Butylbenzylphthalate	13.480	149	279216	47.883	ng		100
81) Benzo(a)anthracene	14.057	228	618496	43.884	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	167715	39.048	ng		98
83) Chrysene	14.092	228	535510	41.053	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	326413	46.436	ng		100
85) Di-n-octyl phthalate	14.657	149	501872	43.470	ng		99
87) Indeno(1,2,3-cd)pyrene	17.051	276	654042	47.723	ng		97
88) Benzo(b)fluoranthene	15.110	252	527965	41.093	ng		99
89) Benzo(k)fluoranthene	15.139	252	458608	38.576	ng		99
90) Benzo(a)pyrene	15.486	252	465078	41.746	ng	#	98
91) Dibenzo(a,h)anthracene	17.068	278	516947	46.900	ng		97
92) Benzo(g,h,i)perylene	17.509	276	520481	47.220	ng		97

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

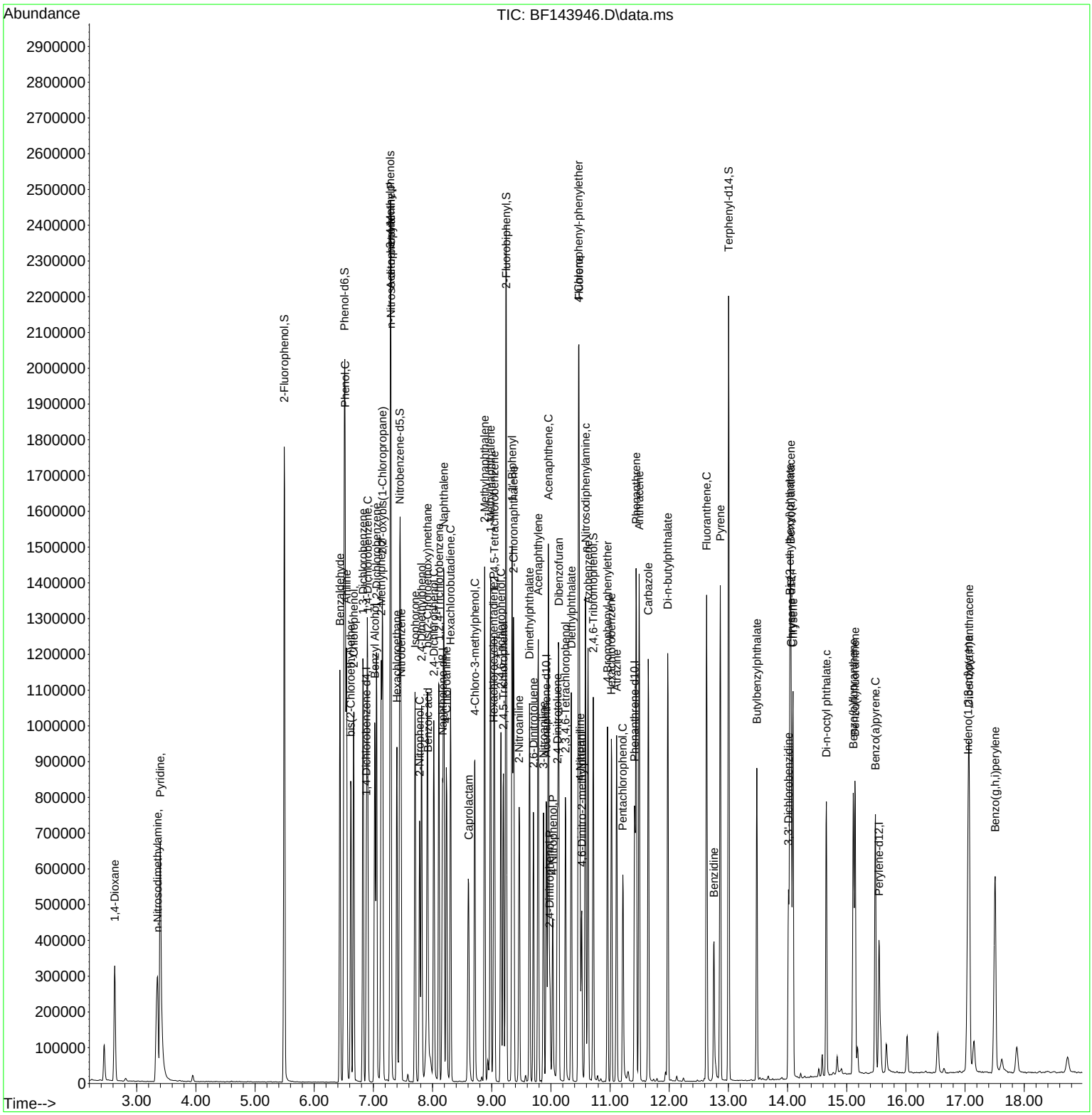
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



Sample Results: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.583	0.641	-9.9	112	-0.02
3		Pyridine	1.697	1.823	-7.4	109	-0.02
4		n-Nitrosodimethylamine	0.893	0.897	-0.4	105	-0.04
5	S	2-Fluorophenol	1.259	1.310	-4.1	106	0.00
6		Aniline	2.250	2.233	0.8	101	0.00
7	S	Phenol-d6	1.501	1.541	-2.7	106	0.00
8		2-Chlorophenol	1.231	1.302	-5.8	107	0.00
9		Benzaldehyde	1.158	1.233	-6.5	98	0.00
10	C	Phenol	1.795	1.891	-5.3	109	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.423	-2.7	104	-0.01
12		1,3-Dichlorobenzene	1.474	1.464	0.7	102	0.00
13	C	1,4-Dichlorobenzene	1.454	1.478	-1.7	105	0.00
14		1,2-Dichlorobenzene	1.392	1.428	-2.6	106	0.00
15		Benzyl Alcohol	1.125	1.124	0.1	102	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.174	-0.6	104	0.00
17		2-Methylphenol	1.017	1.014	0.3	102	0.00
18		Hexachloroethane	0.485	0.504	-3.9	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.867	15.7	90	-0.02
20		3+4-Methylphenols	1.179	1.146	2.8	96	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.423	0.402	5.0	94	-0.01
23	S	Nitrobenzene-d5	0.329	0.353	-7.3	103	-0.01
24		Nitrobenzene	0.366	0.387	-5.7	100	0.00
25		Isophorone	0.694	0.639	7.9	91	-0.02
26	C	2-Nitrophenol	0.157	0.180	-14.6	104	0.00
27		2,4-Dimethylphenol	0.282	0.276	2.1	94	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.412	5.9	94	0.00
29	C	2,4-Dichlorophenol	0.294	0.291	1.0	95	0.00
30		1,2,4-Trichlorobenzene	0.289	0.302	-4.5	102	0.00
31		Naphthalene	0.910	0.905	0.5	98	0.00
32		Benzoic acid	0.195	0.179	8.2	90	-0.04
33		4-Chloroaniline	0.341	0.323	5.3	92	0.00
34	C	Hexachlorobutadiene	0.201	0.202	-0.5	98	0.00
35		Caprolactam	0.093	0.086	7.5	91	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.267	5.3	93	0.00
37		2-Methylnaphthalene	0.606	0.560	7.6	92	0.00
38		1-Methylnaphthalene	0.588	0.532	9.5	89	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.594	-7.4	92	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.197	14.0	70	0.00
42	S	2,4,6-Tribromophenol	0.199	0.199	0.0	88	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.405	-0.2	84	0.00
44		2,4,5-Trichlorophenol	0.427	0.443	-3.7	89	0.00
45	S	2-Fluorobiphenyl	1.260	1.191	5.5	89	0.00
46		1,1'-Biphenyl	1.324	1.345	-1.6	90	0.00
47		2-Chloronaphthalene	1.104	1.133	-2.6	91	0.00

Sample Results: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	0.349	0.395	-13.2	93	0.00
49		Acenaphthylene	1.552	1.575	-1.5	89	0.00
50		Dimethylphthalate	1.270	1.296	-2.0	92	0.00
51		2,6-Dinitrotoluene	0.236	0.266	-12.7	93	-0.01
52	C	Acenaphthene	1.017	1.027	-1.0	90	0.00
53		3-Nitroaniline	0.288	0.309	-7.3	92	-0.01
54	P	2,4-Dinitrophenol	0.118	0.124	-5.1	95	0.00
55		Dibenzofuran	1.436	1.446	-0.7	89	0.00
56	P	4-Nitrophenol	0.218	0.224	-2.8	88	0.00
57		2,4-Dinitrotoluene	0.320	0.368	-15.0	92	0.00
58		Fluorene	1.083	1.080	0.3	90	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.313	-3.6	88	0.00
60		Diethylphthalate	1.180	1.193	-1.1	90	0.00
61		4-Chlorophenyl-phenylether	0.573	0.590	-3.0	91	0.00
62		4-Nitroaniline	0.277	0.289	-4.3	91	-0.02
63		Azobenzene	1.233	1.306	-5.9	94	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.116	-14.9	94	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.637	-1.4	87	0.00
67		4-Bromophenyl-phenylether	0.221	0.224	-1.4	87	0.00
68		Hexachlorobenzene	0.256	0.255	0.4	86	0.00
69		Atrazine	0.190	0.188	1.1	87	-0.01
70	C	Pentachlorophenol	0.147	0.137	6.8	79	0.00
71		Phenanthrene	0.970	0.972	-0.2	90	0.00
72		Anthracene	0.980	0.988	-0.8	87	0.00
73		Carbazole	0.868	0.872	-0.5	89	0.00
74		Di-n-butylphthalate	1.005	1.066	-6.1	91	0.00
75	C	Fluoranthene	1.002	0.990	1.2	86	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77		Benzidine	0.694	0.588	15.3	65	0.00
78		Pyrene	1.667	1.875	-12.5	85	0.00
79	S	Terphenyl-d14	1.170	1.334	-14.0	88	0.00
80		Butylbenzylphthalate	0.542	0.648	-19.6	88	0.00
81		Benzo(a)anthracene	1.309	1.436	-9.7	87	0.00
82		3,3'-Dichlorobenzidine	0.399	0.389	2.5	75	0.00
83		Chrysene	1.211	1.243	-2.6	81	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.758	-16.1	87	0.00
85	c	Di-n-octyl phthalate	1.072	1.165	-8.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.462	-19.3	94	0.00
88		Benzo(b)fluoranthene	1.149	1.180	-2.7	83	0.00
89		Benzo(k)fluoranthene	1.063	1.025	3.6	82	0.00
90	C	Benzo(a)pyrene	0.996	1.040	-4.4	84	0.00
91		Dibenzo(a,h)anthracene	0.986	1.156	-17.2	91	-0.01
92		Benzo(g,h,i)perylene	0.986	1.164	-18.1	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	44.024	-10.1	112	-0.02
3		Pyridine	40.000	42.990	-7.5	109	-0.02
4		n-Nitrosodimethylamine	40.000	40.207	-0.5	105	-0.04
5	S	2-Fluorophenol	80.000	83.226	-4.0	106	0.00
6		Aniline	40.000	39.710	0.7	101	0.00
7	S	Phenol-d6	80.000	82.116	-2.6	106	0.00
8		2-Chlorophenol	40.000	42.289	-5.7	107	0.00
9		Benzaldehyde	40.000	42.575	-6.4	98	0.00
10	C	Phenol	40.000	42.151	-5.4	109	-0.01
11		bis(2-Chloroethyl)ether	40.000	41.059	-2.6	104	-0.01
12		1,3-Dichlorobenzene	40.000	39.733	0.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	40.666	-1.7	105	0.00
14		1,2-Dichlorobenzene	40.000	41.014	-2.5	106	0.00
15		Benzyl Alcohol	40.000	39.983	0.0	102	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	40.234	-0.6	104	0.00
17		2-Methylphenol	40.000	39.882	0.3	102	0.00
18		Hexachloroethane	40.000	41.592	-4.0	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	33.743	15.6	90	-0.02
20		3+4-Methylphenols	40.000	38.875	2.8	96	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.069	4.8	94	-0.01
23	S	Nitrobenzene-d5	80.000	85.752	-7.2	103	-0.01
24		Nitrobenzene	40.000	42.351	-5.9	100	0.00
25		Isophorone	40.000	36.826	7.9	91	-0.02
26	C	2-Nitrophenol	40.000	45.985	-15.0	104	0.00
27		2,4-Dimethylphenol	40.000	39.190	2.0	94	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.593	6.0	94	0.00
29	C	2,4-Dichlorophenol	40.000	39.575	1.1	95	0.00
30		1,2,4-Trichlorobenzene	40.000	41.843	-4.6	102	0.00
31		Naphthalene	40.000	39.806	0.5	98	0.00
32		Benzoic acid	40.000	36.773	8.1	90	-0.04
33		4-Chloroaniline	40.000	37.877	5.3	92	0.00
34	C	Hexachlorobutadiene	40.000	40.211	-0.5	98	0.00
35		Caprolactam	40.000	36.920	7.7	91	-0.04
36	C	4-Chloro-3-methylphenol	40.000	37.794	5.5	93	0.00
37		2-Methylnaphthalene	40.000	36.965	7.6	92	0.00
38		1-Methylnaphthalene	40.000	36.193	9.5	89	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	92	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.993	-7.5	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.302	14.2	70	0.00
42	S	2,4,6-Tribromophenol	80.000	79.800	0.3	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.115	-0.3	84	0.00
44		2,4,5-Trichlorophenol	40.000	41.502	-3.8	89	0.00
45	S	2-Fluorobiphenyl	80.000	75.586	5.5	89	0.00
46		1,1'-Biphenyl	40.000	40.618	-1.5	90	0.00
47		2-Chloronaphthalene	40.000	41.064	-2.7	91	0.00

Sample Results: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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	45.320	-13.3	93	0.00
49		Acenaphthylene	40.000	40.578	-1.4	89	0.00
50		Dimethylphthalate	40.000	40.809	-2.0	92	0.00
51		2,6-Dinitrotoluene	40.000	45.141	-12.9	93	-0.01
52	C	Acenaphthene	40.000	40.405	-1.0	90	0.00
53		3-Nitroaniline	40.000	42.822	-7.1	92	-0.01
54	P	2,4-Dinitrophenol	40.000	38.075	4.8	95	0.00
55		Dibenzofuran	40.000	40.297	-0.7	89	0.00
56	P	4-Nitrophenol	40.000	41.065	-2.7	88	0.00
57		2,4-Dinitrotoluene	40.000	45.966	-14.9	92	0.00
58		Fluorene	40.000	39.886	0.3	90	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.453	-3.6	88	0.00
60		Diethylphthalate	40.000	40.437	-1.1	90	0.00
61		4-Chlorophenyl-phenylether	40.000	41.172	-2.9	91	0.00
62		4-Nitroaniline	40.000	41.668	-4.2	91	-0.02
63		Azobenzene	40.000	42.361	-5.9	94	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	90	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.114	-15.3	94	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.545	-1.4	87	0.00
67		4-Bromophenyl-phenylether	40.000	40.507	-1.3	87	0.00
68		Hexachlorobenzene	40.000	39.902	0.2	86	0.00
69		Atrazine	40.000	39.446	1.4	87	-0.01
70	C	Pentachlorophenol	40.000	37.358	6.6	79	0.00
71		Phenanthrene	40.000	40.101	-0.3	90	0.00
72		Anthracene	40.000	40.330	-0.8	87	0.00
73		Carbazole	40.000	40.194	-0.5	89	0.00
74		Di-n-butylphthalate	40.000	42.420	-6.1	91	0.00
75	C	Fluoranthene	40.000	39.552	1.1	86	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77		Benzidine	40.000	33.841	15.4	65	0.00
78		Pyrene	40.000	44.975	-12.4	85	0.00
79	S	Terphenyl-d14	80.000	91.186	-14.0	88	0.00
80		Butylbenzylphthalate	40.000	47.883	-19.7	88	0.00
81		Benzo(a)anthracene	40.000	43.884	-9.7	87	0.00
82		3,3'-Dichlorobenzidine	40.000	39.048	2.4	75	0.00
83		Chrysene	40.000	41.053	-2.6	81	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	46.436	-16.1	87	0.00
85	c	Di-n-octyl phthalate	40.000	43.470	-8.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.723	-19.3	94	0.00
88		Benzo(b)fluoranthene	40.000	41.093	-2.7	83	0.00
89		Benzo(k)fluoranthene	40.000	38.576	3.6	82	0.00
90	C	Benzo(a)pyrene	40.000	41.746	-4.4	84	0.00
91		Dibenzo(a,h)anthracene	40.000	46.900	-17.2	91	-0.01
92		Benzo(g,h,i)perylene	40.000	47.220	-18.0	93	0.00

Sample Results: **BF143946.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143946.D
Acq On : 14 Oct 2025 13:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 14 14:44:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 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

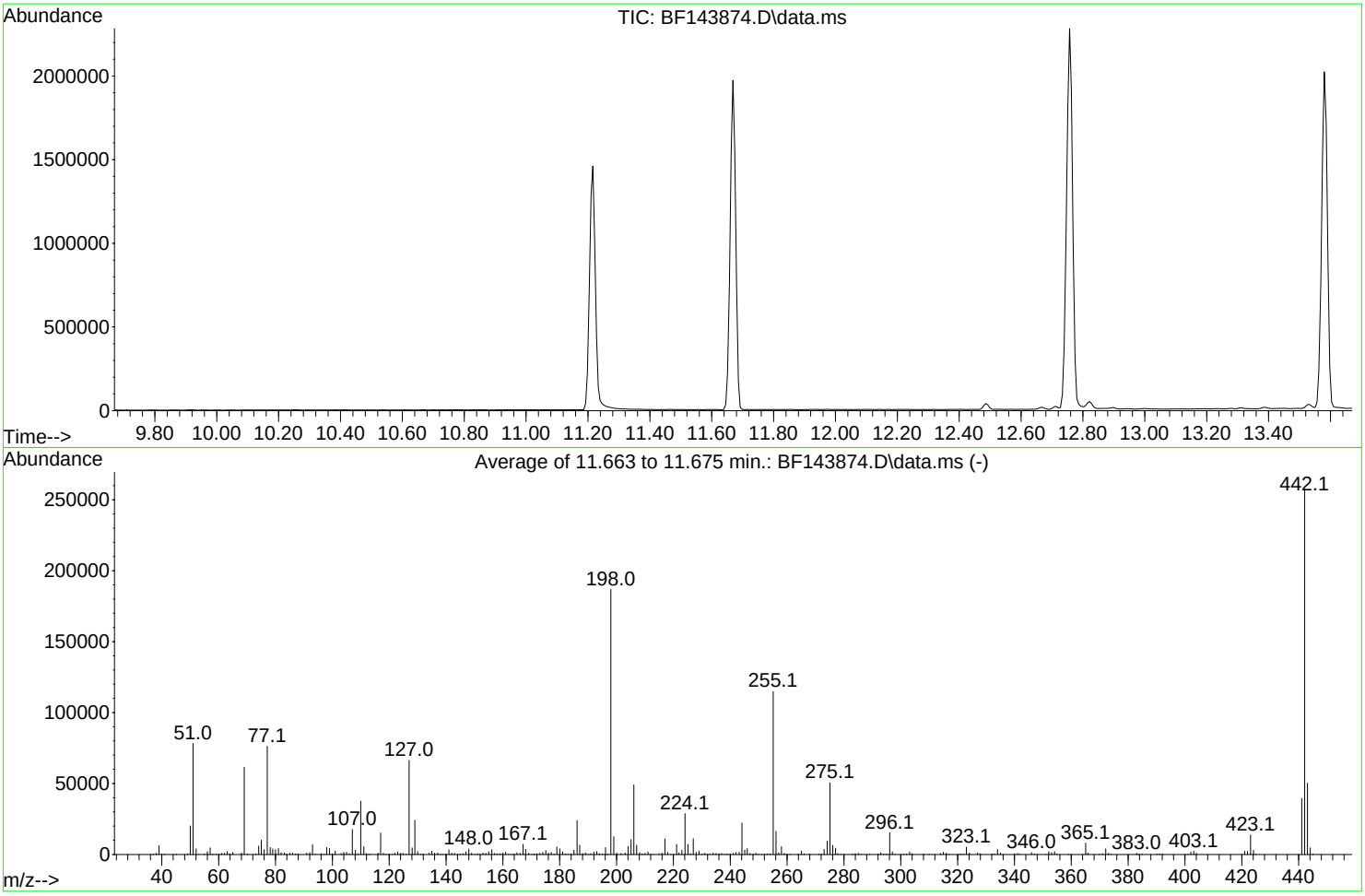
Sample Results: **BF143874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

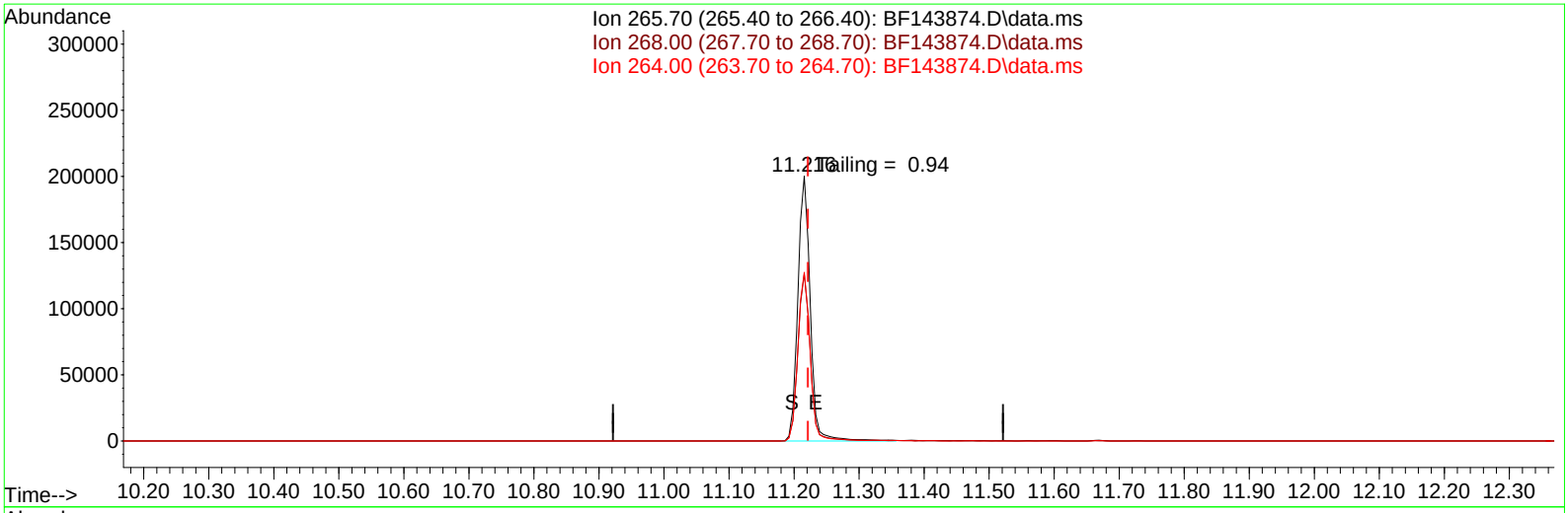
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	971	PASS
69	69	100	100	100.0	61475	PASS
70	69	0.00	2	0.4	240	PASS
197	198	0.00	2	0.3	472	PASS
198	198	100	100	100.0	186859	PASS
199	198	5	9	6.7	12573	PASS
365	198	1	100	4.3	8075	PASS
441	443	0.01	150	78.8	39600	PASS
442	442	100	100	100.0	256555	PASS
443	442	15	24	19.6	50245	PASS

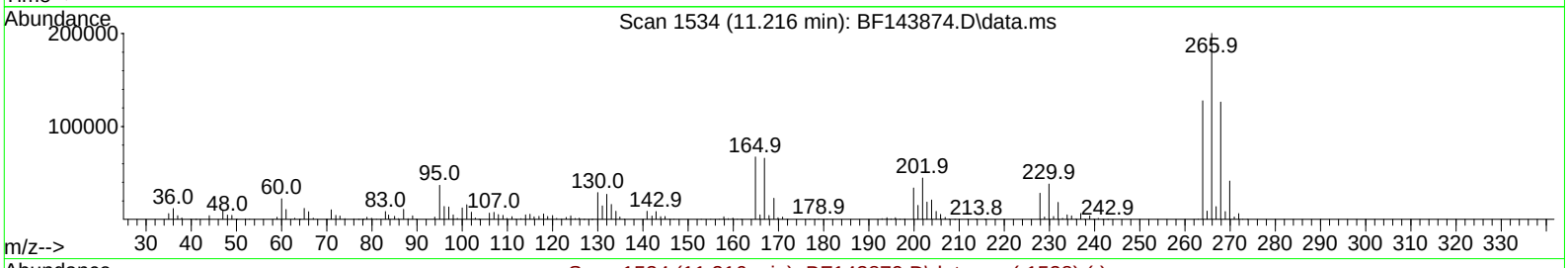
Sample Results: **BF143874.D**

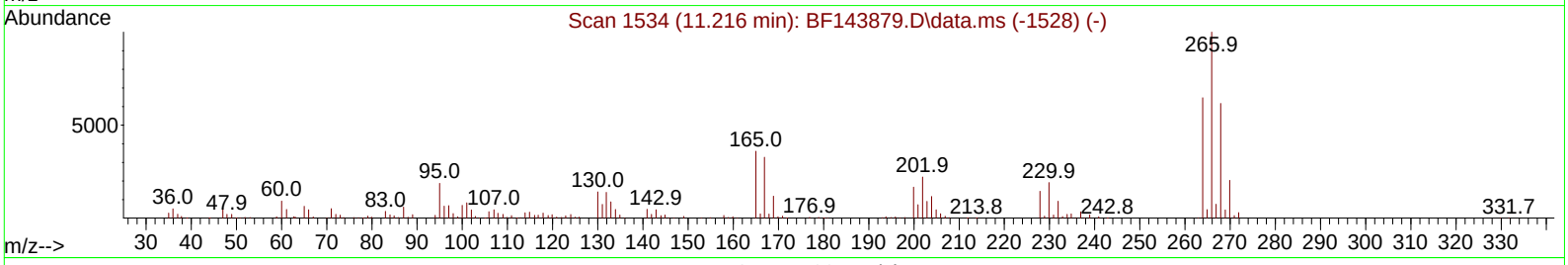
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 36564.81 ng

response 265194

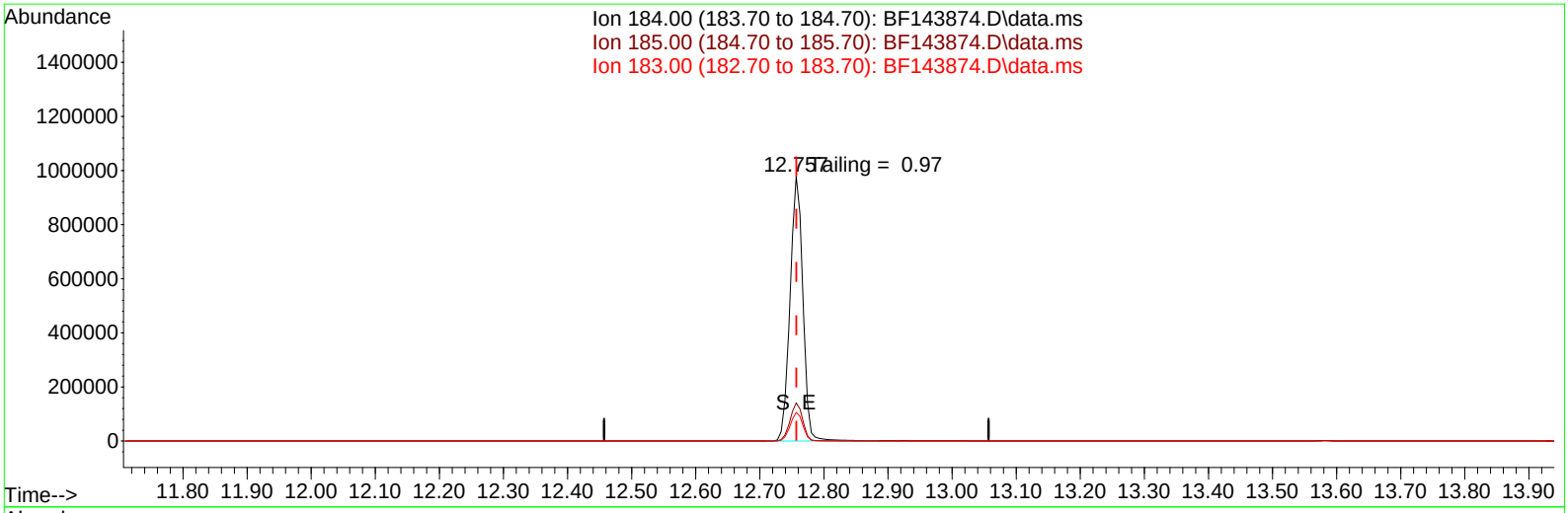
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.10
264.00	64.70	63.76
0.00	0.00	0.00

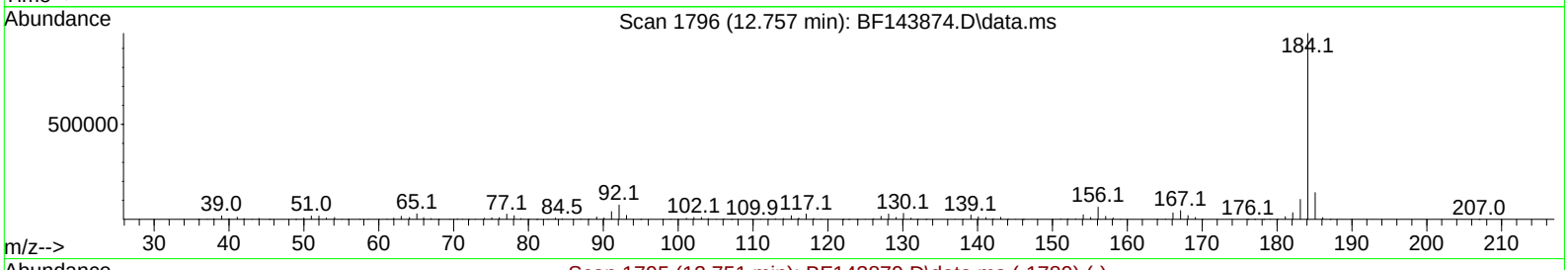
Sample Results: **BF143874.D**

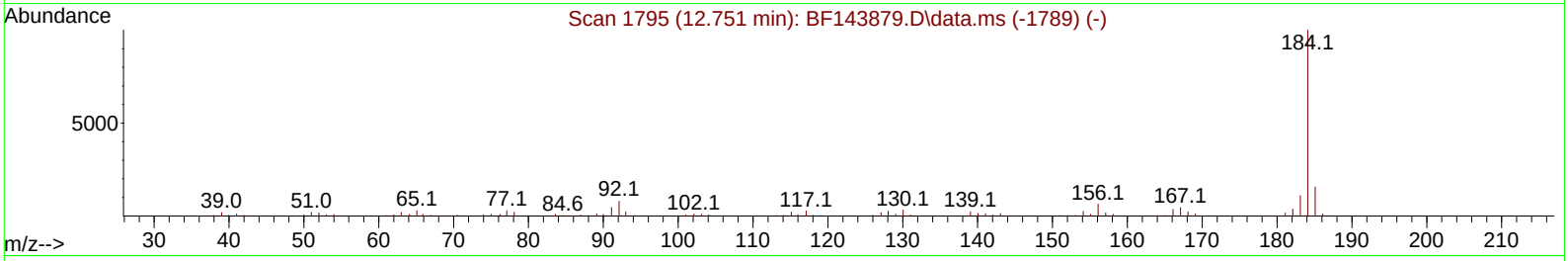
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 06 15:36:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143874.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 1371993

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.38
183.00	11.00	10.78
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/6/2025	BNA_F	BF143874.D
Compound Name	**Response**	**Retention Time**
DDT	503395	13.58
DDD	4048	13.31
DDE	763	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
4811	508206	0.95

Instrument :
BNA_F
ClientSampleId :
DFTPP

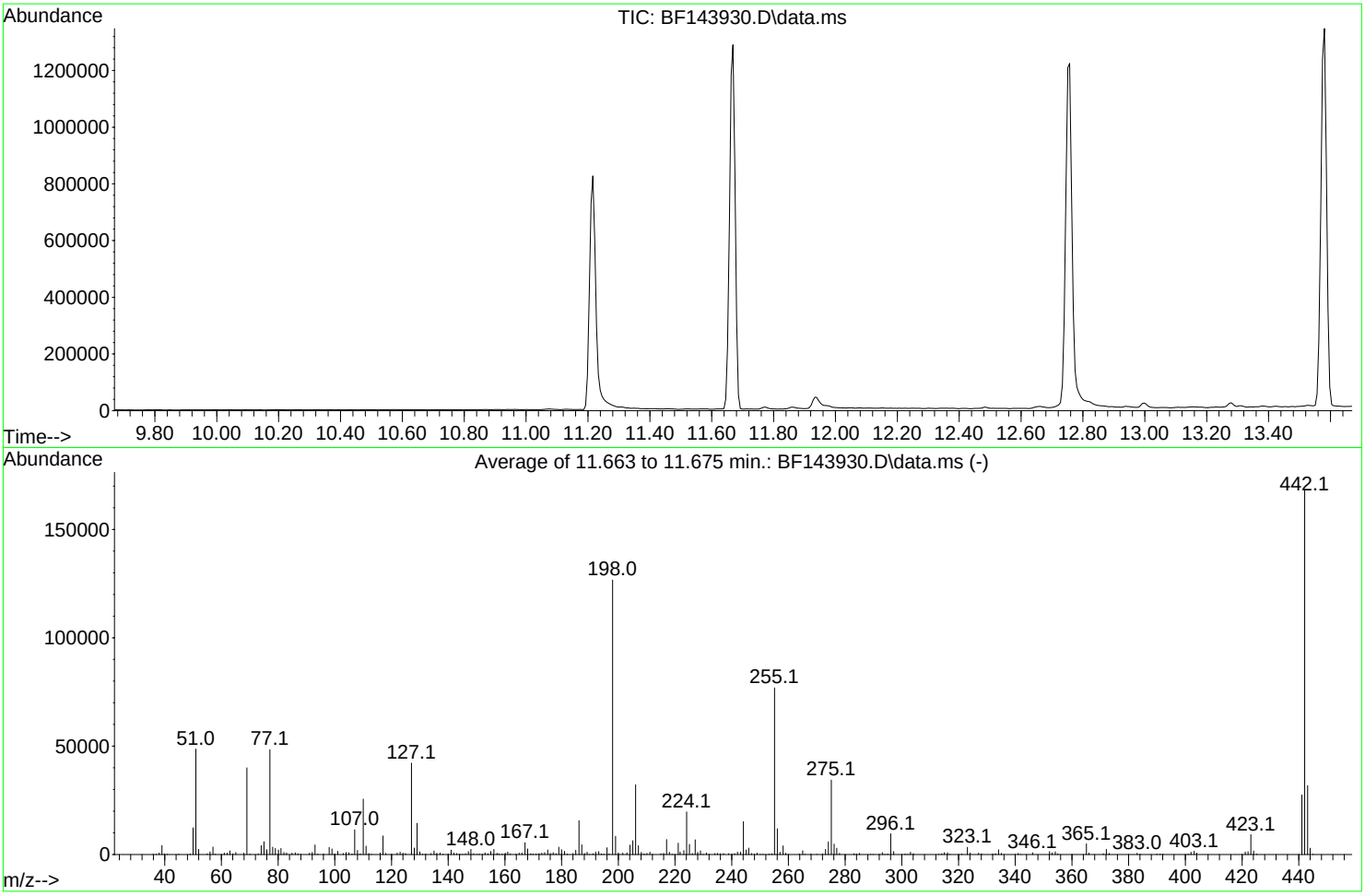
Sample Results: **BF143930.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143930.D
Acq On : 13 Oct 2025 12:40
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

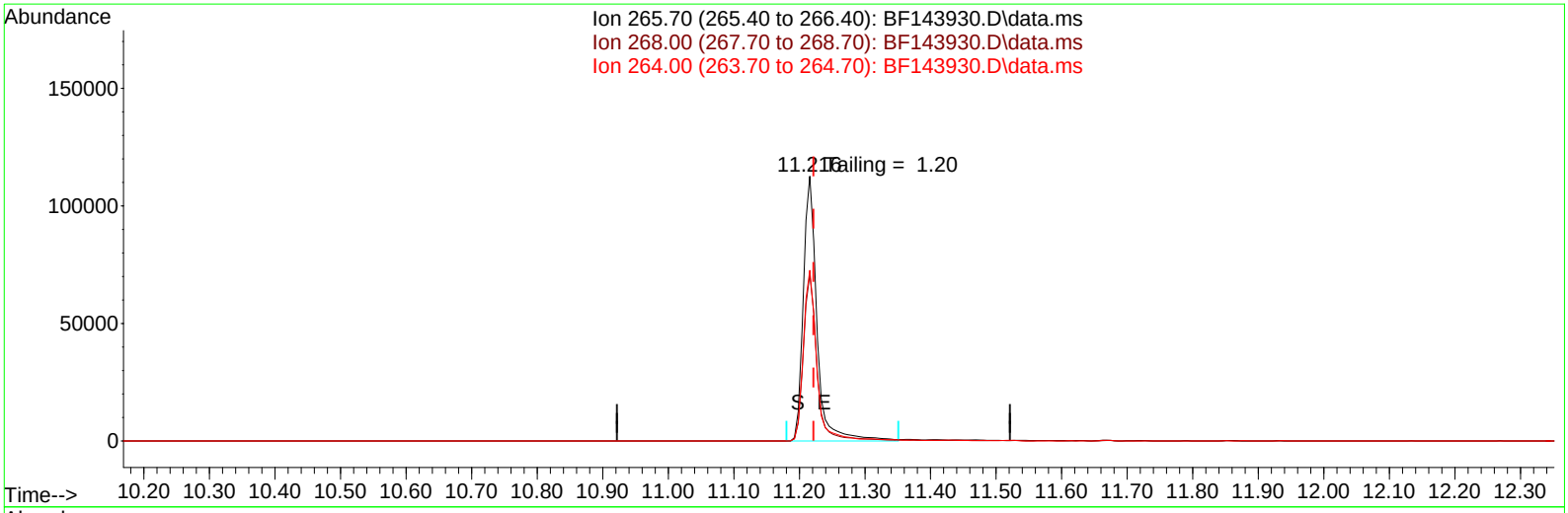
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.4	574	PASS
69	69	100	100	100.0	40000	PASS
70	69	0.00	2	0.4	167	PASS
197	198	0.00	2	0.2	296	PASS
198	198	100	100	100.0	126685	PASS
199	198	5	9	6.6	8383	PASS
365	198	1	100	3.9	4916	PASS
441	443	0.01	150	86.5	27453	PASS
442	442	100	100	100.0	167979	PASS
443	442	15	24	18.9	31733	PASS

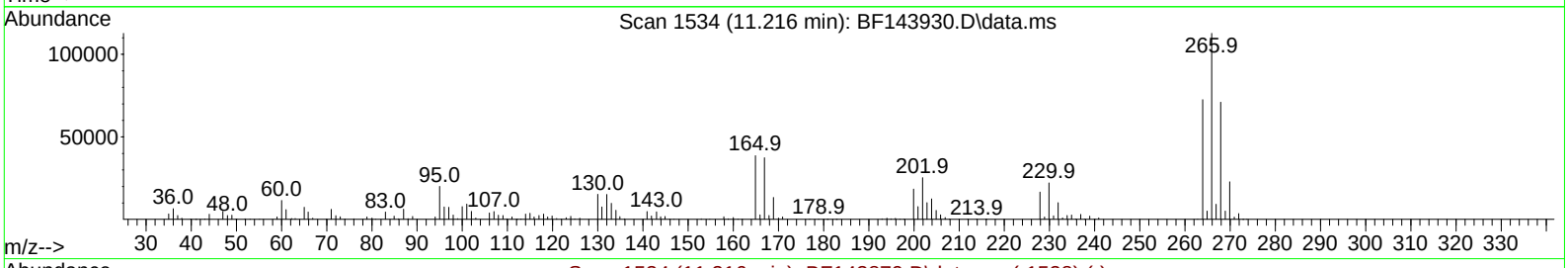
Sample Results: **BF143930.D**

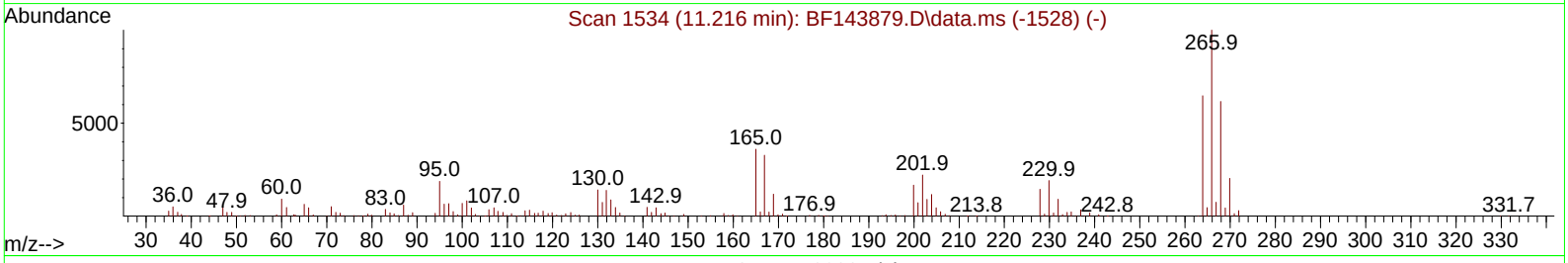
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143930.D
Acq On : 13 Oct 2025 12:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 13 15:22:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143930.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 38478.14 ng

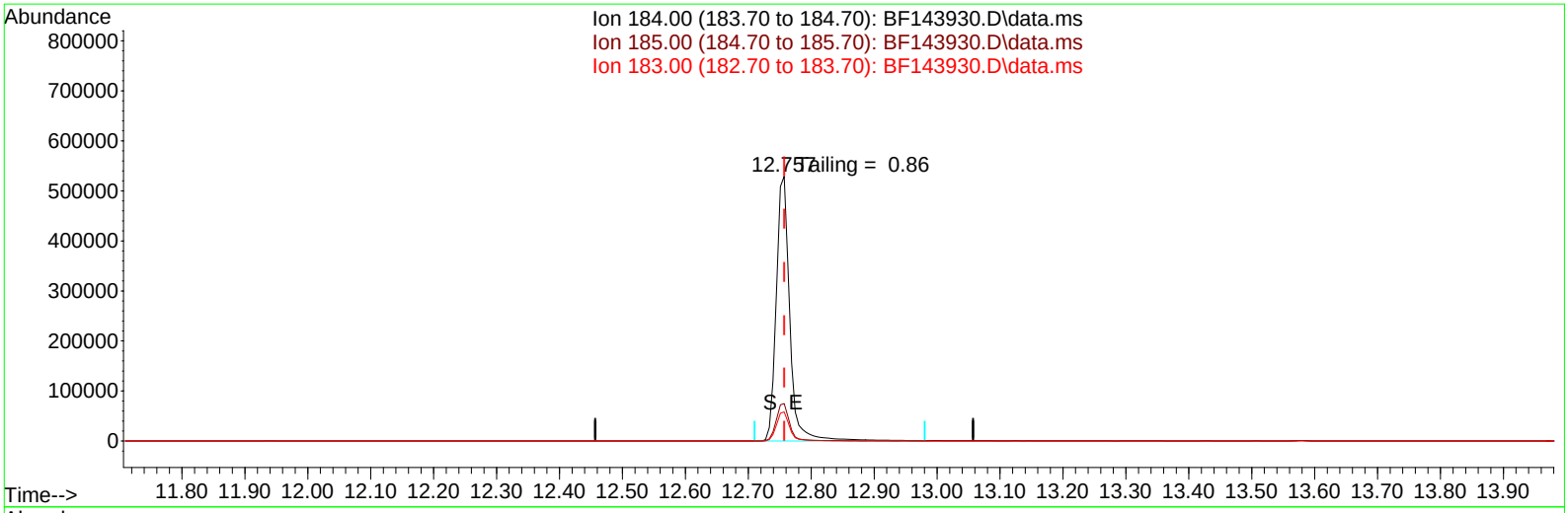
response 163993

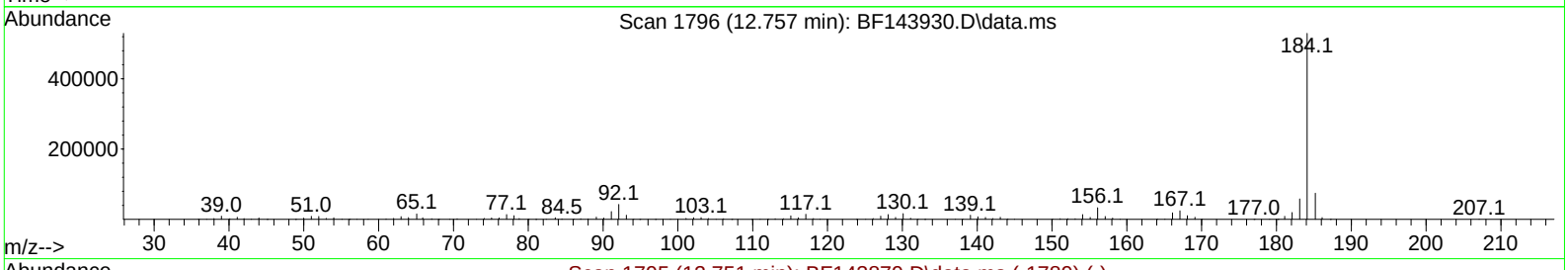
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.02
264.00	64.70	64.43
0.00	0.00	0.00

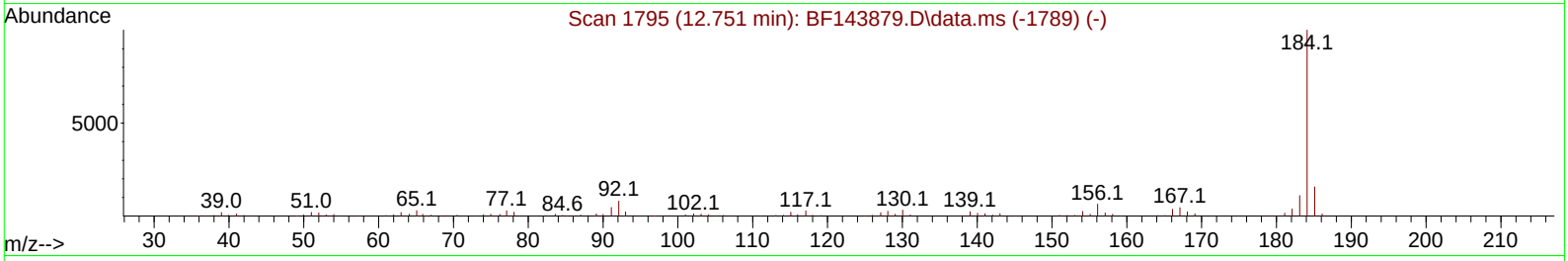
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143930.D
Acq On : 13 Oct 2025 12:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 13 15:22:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143930.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 793737

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.12
183.00	11.00	10.98
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/13/2025	BNA_F	BF143930.D
Compound Name	**Response**	**Retention Time**
DDT	361655	13.58
DDD	6906	13.275
DDE	1366	12.945
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
8272	369927	2.24

Instrument :
BNA_F
ClientSampleId :
DFTPP

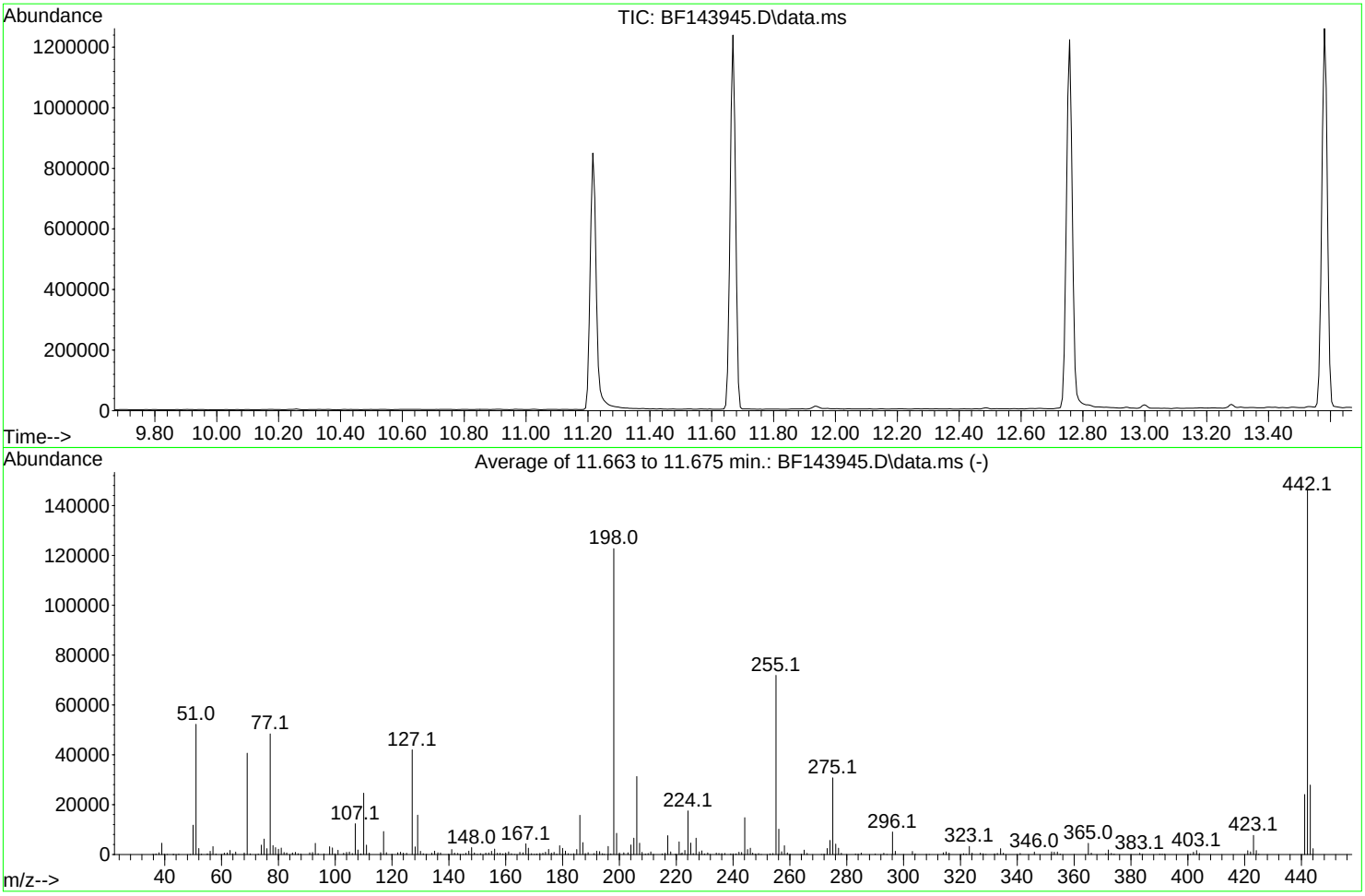
Sample Results: **BF143945.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Oct 06 15:29:47 2025



AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

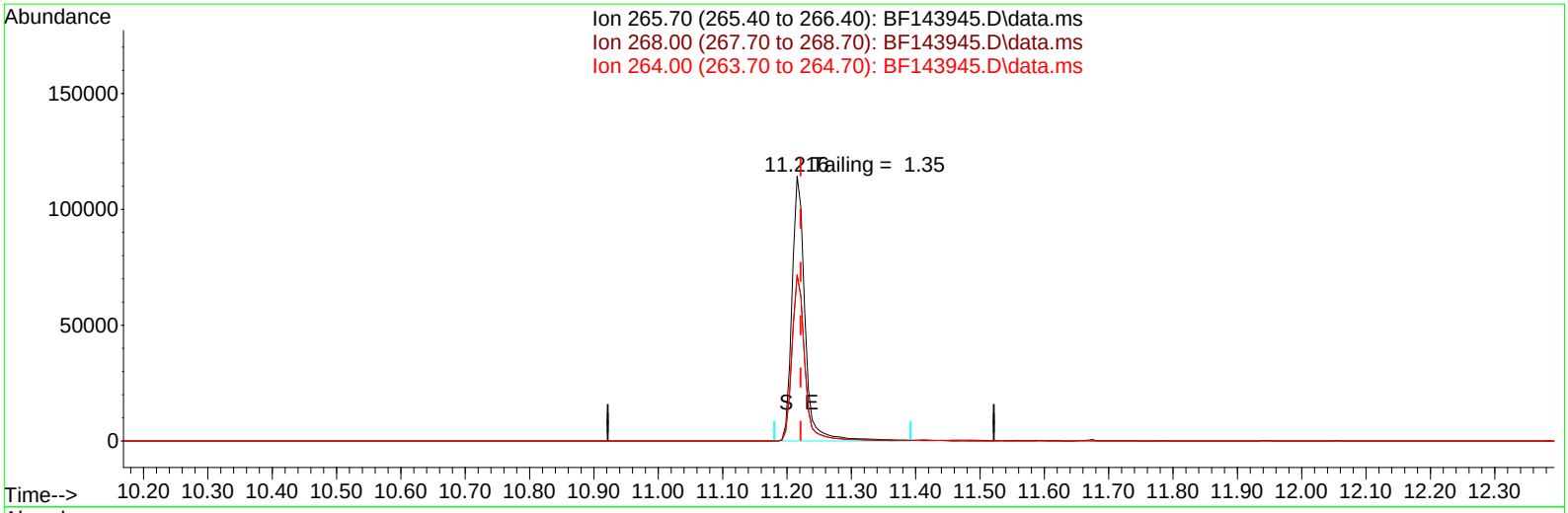
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	636	PASS
69	69	100	100	100.0	40651	PASS
70	69	0.00	2	0.7	276	PASS
197	198	0.00	2	0.2	271	PASS
198	198	100	100	100.0	122723	PASS
199	198	5	9	6.9	8468	PASS
365	198	1	100	3.6	4451	PASS
441	443	0.01	150	86.3	24061	PASS
442	442	100	100	100.0	146021	PASS
443	442	15	24	19.1	27867	PASS

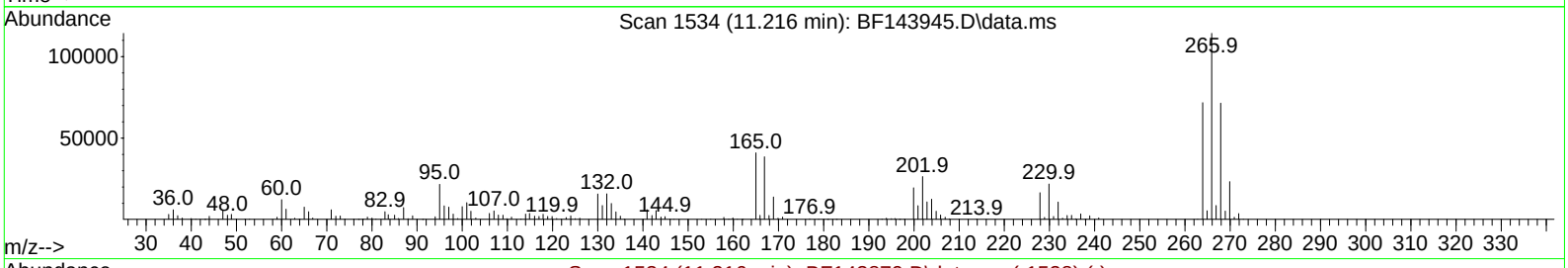
Sample Results: **BF143945.D**

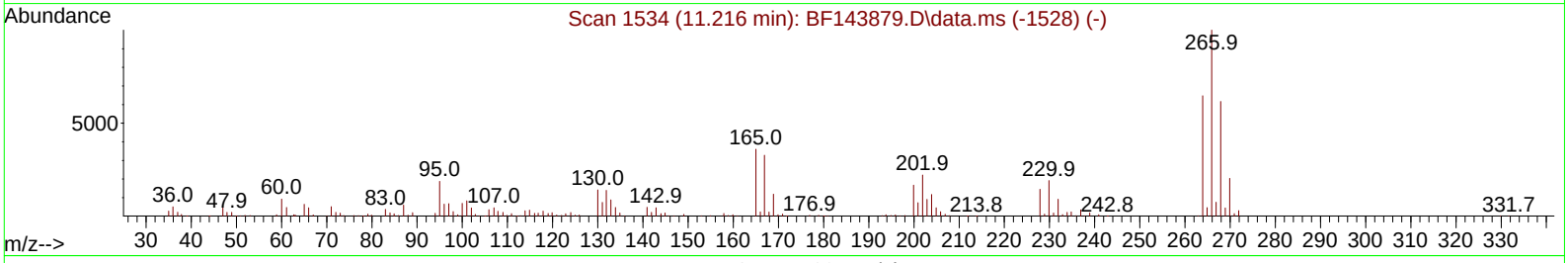
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 14 14:43:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143945.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 44697.13 ng

response 161595

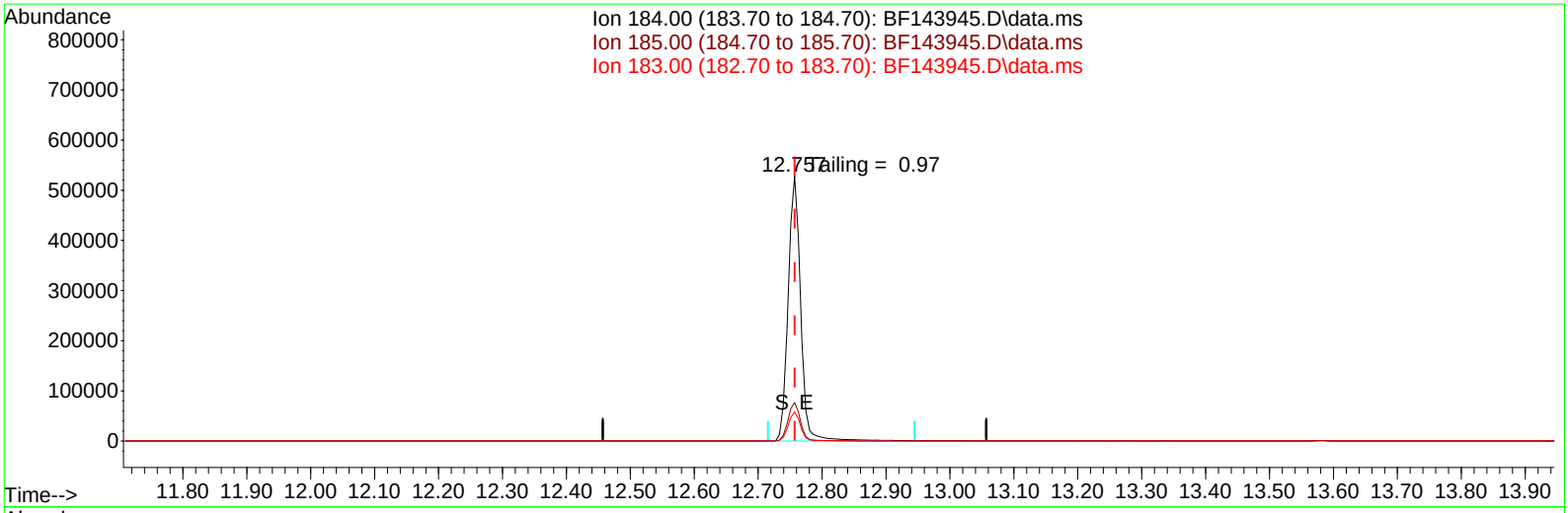
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	62.56
264.00	64.70	62.81
0.00	0.00	0.00

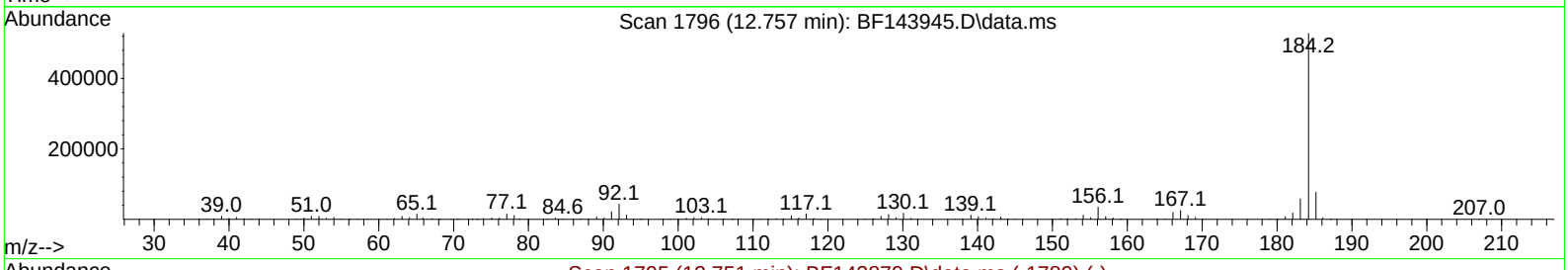
Sample Results: **BF143945.D**

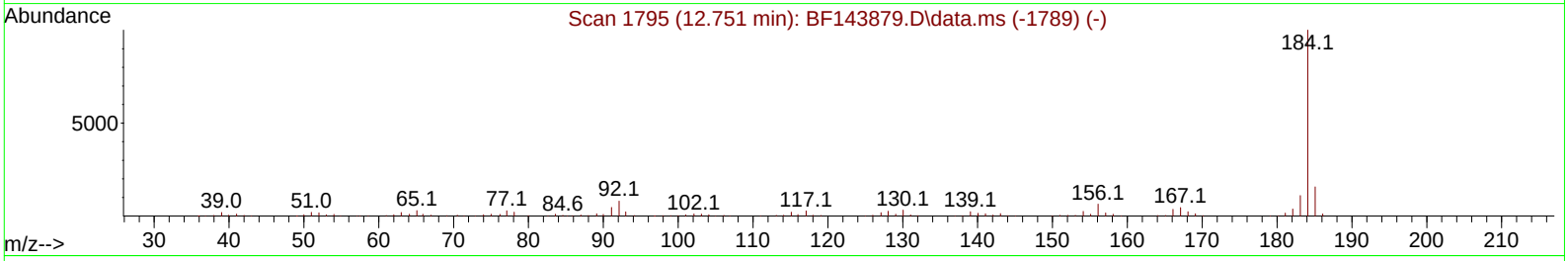
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143945.D
Acq On : 14 Oct 2025 13:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 14 14:43:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration







TIC: BF143945.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 719691

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.56
183.00	11.00	10.98
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/13/2025	BNA_F	BF143945.D
Compound Name	**Response**	**Retention Time**
DDT	324482	13.58
DDD	4816	13.28
DDE	749	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5565	330047	1.69

Instrument :
BNA_F
ClientSampleId :
DFTPP

Raw Data: **BF143947.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	PB170067BL	SDG No.:	Q3323
Lab Sample ID:	PB170067BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	10/14/25 14:25	PB170067
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/14/25 14:25	PB170067
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/14/25 14:25	PB170067
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/14/25 14:25	PB170067
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/14/25 14:25	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/14/25 14:25	PB170067
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/14/25 14:25	PB170067
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/14/25 14:25	PB170067
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	10/14/25 14:25	PB170067
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/14/25 14:25	PB170067
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/14/25 14:25	PB170067
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/14/25 14:25	PB170067
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/14/25 14:25	PB170067
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/14/25 14:25	PB170067
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/14/25 14:25	PB170067
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/14/25 14:25	PB170067
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/14/25 14:25	PB170067
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/14/25 14:25	PB170067
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/14/25 14:25	PB170067
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/14/25 14:25	PB170067
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/14/25 14:25	PB170067
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/14/25 14:25	PB170067
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/14/25 14:25	PB170067
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/14/25 14:25	PB170067
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/14/25 14:25	PB170067
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/14/25 14:25	PB170067
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/14/25 14:25	PB170067
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/14/25 14:25	PB170067
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/14/25 14:25	PB170067
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/14/25 14:25	PB170067
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/14/25 14:25	PB170067
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/14/25 14:25	PB170067
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/14/25 14:25	PB170067
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/14/25 14:25	PB170067
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/14/25 14:25	PB170067
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/14/25 14:25	PB170067
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/14/25 14:25	PB170067
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/14/25 14:25	PB170067
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/14/25 14:25	PB170067
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/14/25 14:25	PB170067
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/14/25 14:25	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/14/25 14:25	PB170067

Raw Data: **BF143947.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	
Project:	Con Edison Richmond Terrace			Date Received:	
Client Sample ID:	PB170067BL			SDG No.:	Q3323
Lab Sample ID:	PB170067BL			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	10/14/25 14:25	PB170067
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/14/25 14:25	PB170067
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/14/25 14:25	PB170067
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/14/25 14:25	PB170067
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/14/25 14:25	PB170067
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/14/25 14:25	PB170067
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/14/25 14:25	PB170067
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/14/25 14:25	PB170067
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/14/25 14:25	PB170067
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/14/25 14:25	PB170067
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/14/25 14:25	PB170067
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/14/25 14:25	PB170067
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/14/25 14:25	PB170067
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/14/25 14:25	PB170067
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/14/25 14:25	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/14/25 14:25	PB170067
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	10/14/25 14:25	PB170067
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/14/25 14:25	PB170067
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/14/25 14:25	PB170067
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/14/25 14:25	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/14/25 14:25	PB170067
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/14/25 14:25	PB170067
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/14/25 14:25	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/14/25 14:25	PB170067
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/14/25 14:25	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/14/25 14:25	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	131			18 - 112	88%	SPK: 150		
13127-88-3	Phenol-d6	133			15 - 107	89%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.1			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	85.4			20 - 109	85%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	144			10 - 116	96%	SPK: 150		
1718-51-0	Terphenyl-d14	95.8			10 - 105	96%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	124000							
1146-65-2	Naphthalene-d8	501000							
15067-26-2	Acenaphthene-d10	274000							
1517-22-2	Phenanthrene-d10	484000							
1719-03-5	Chrysene-d12	306000							
1520-96-3	Perylene-d12	259000							
TENTATIVE IDENTIFIED COMPOUNDS									
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	270	J			17.3	ug/Kg		

Raw Data: **BF143947.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	
Project:	Con Edison Richmond Terrace			Date Received:	
Client Sample ID:	PB170067BL			SDG No.:	Q3323
Lab Sample ID:	PB170067BL			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Quant Time: Oct 14 14:53:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	124324	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501303	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	273867	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	483747	20.000	ng	0.00
76) Chrysene-d12	14.063	240	306236	20.000	ng	0.00
86) Perylene-d12	15.545	264	259328	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1028430	131.361	ng	0.00
7) Phenol-d6	6.504	99	1240759	132.959	ng	-0.01
23) Nitrobenzene-d5	7.445	82	784659	95.096	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	392621	143.935	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1473200	85.355	ng	-0.01
79) Terphenyl-d14	13.010	244	1716357	95.788	ng	0.00
Target Compounds						Qvalue

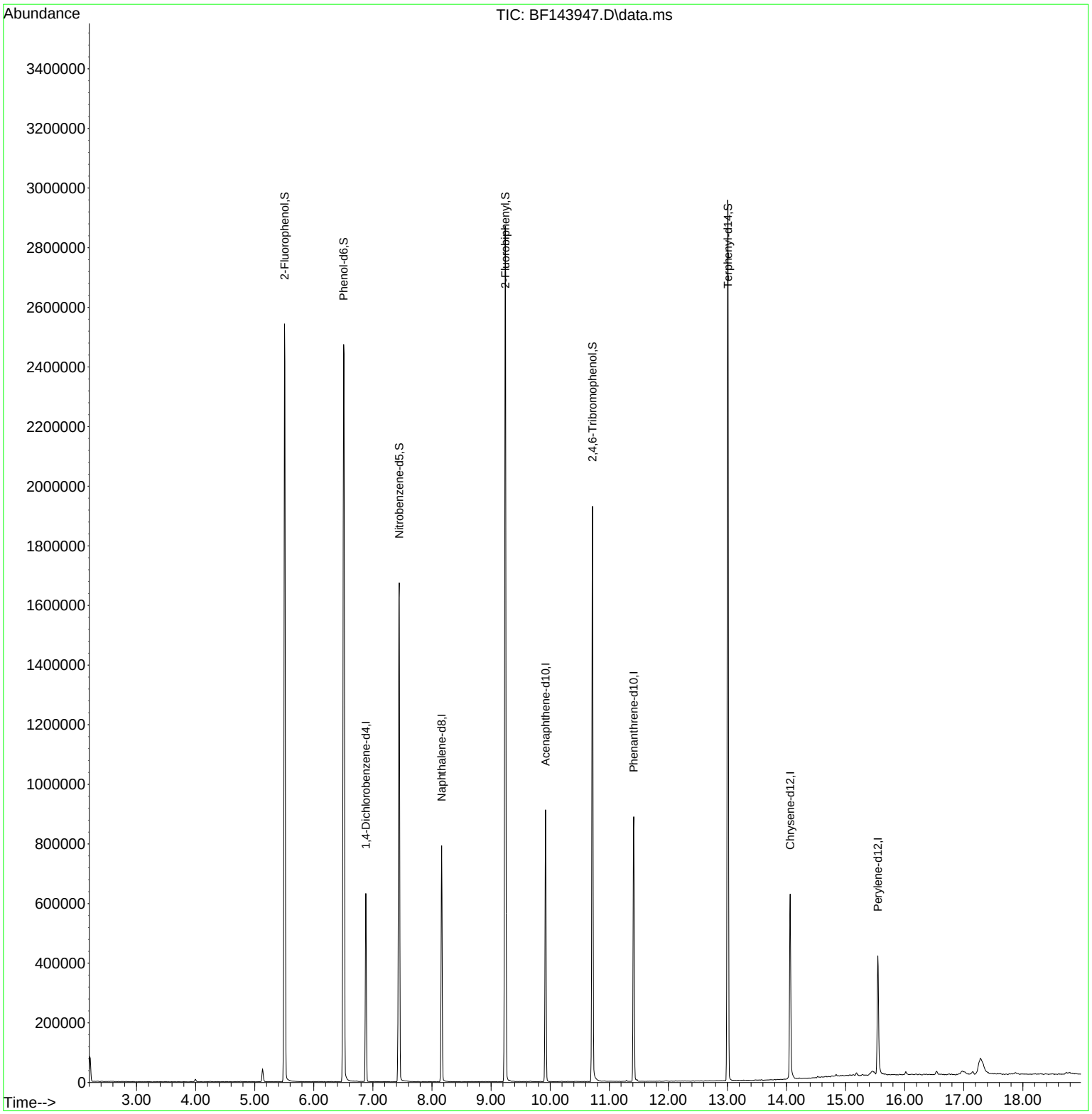
(#) = qualifier out of range (m) = manual integration (+) = signals summed

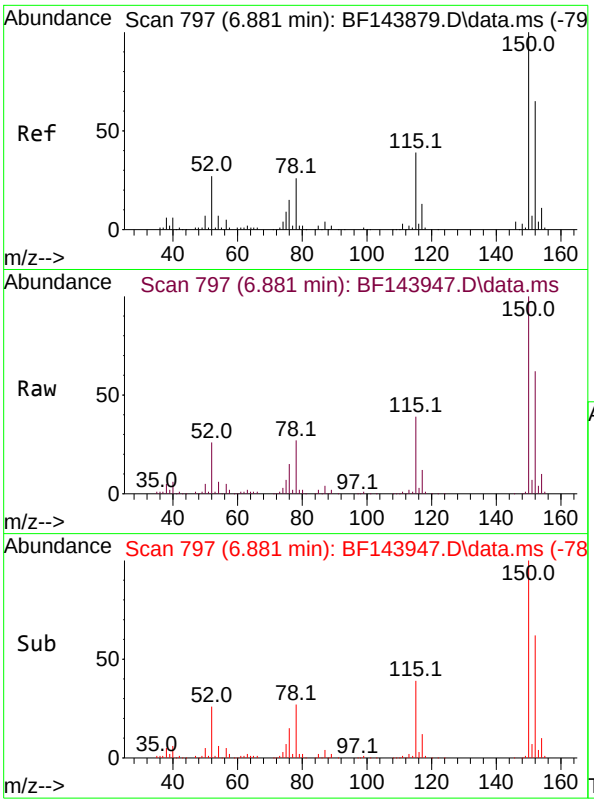
Sample Results: **BF143947.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Quant Time: Oct 14 14:53:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



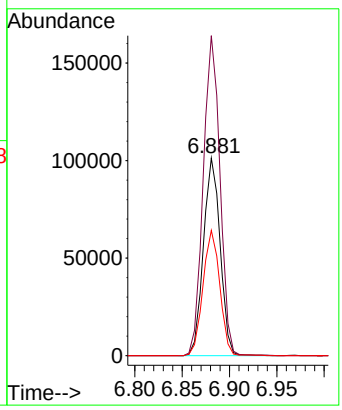


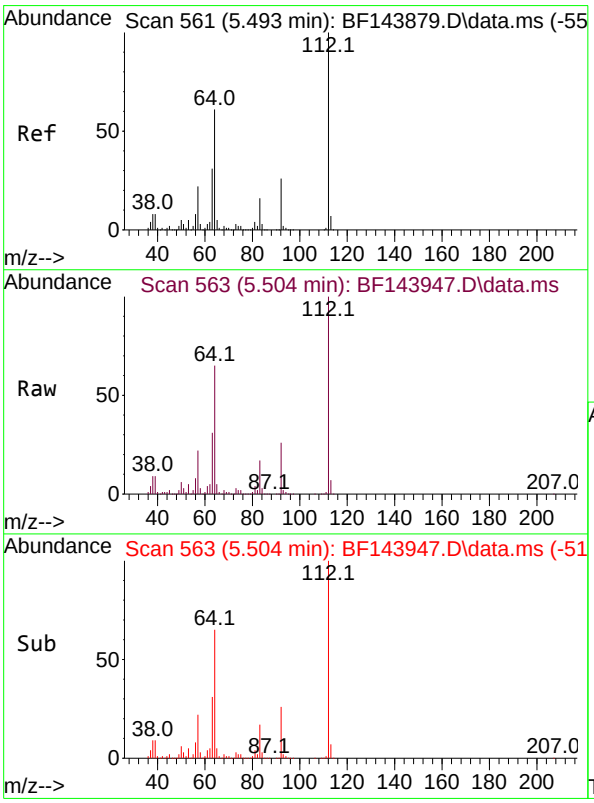
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion:152 Resp: 124324

Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.4	186.6
115	63.4	48.1	72.1

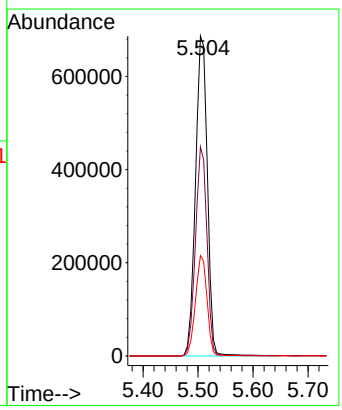


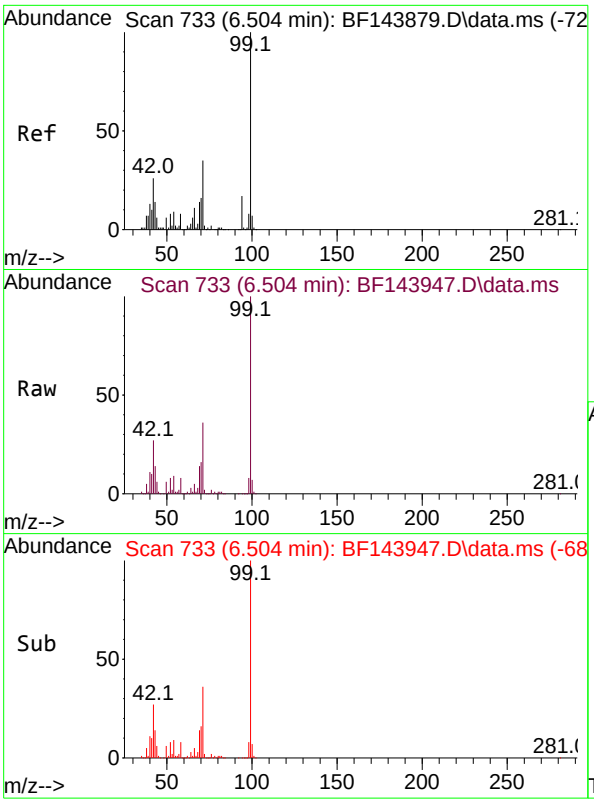


#5
2-Fluorophenol
Concen: 131.361 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:112 Resp: 1028430

Ion	Ratio	Lower	Upper
112	100		
64	65.3	49.1	73.7
63	31.3	24.5	36.7



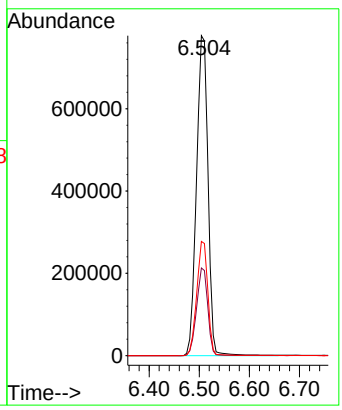


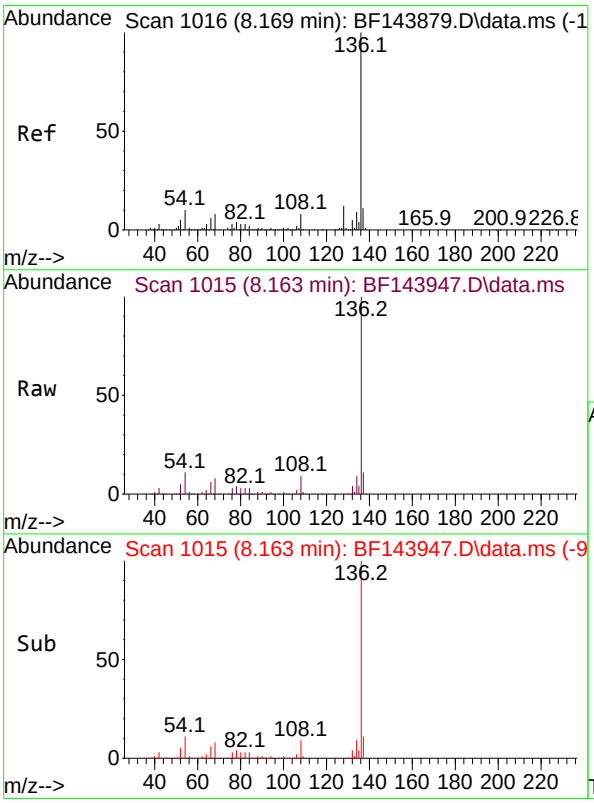
#7
Phenol-d6
Concen: 132.959 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion: 99 Resp: 1240759

Ion	Ratio	Lower	Upper
99	100		
42	27.4	21.0	31.4
71	35.7	27.8	41.8

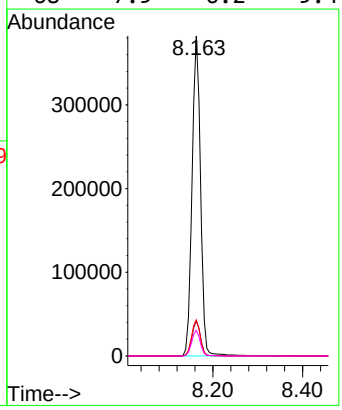


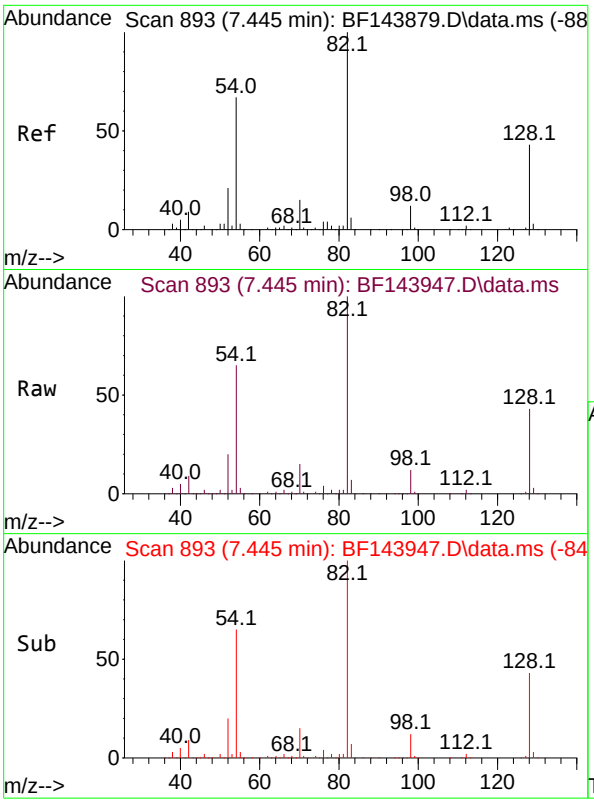


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:136 Resp: 501303

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.3	8.2	12.4
68	7.9	6.2	9.4



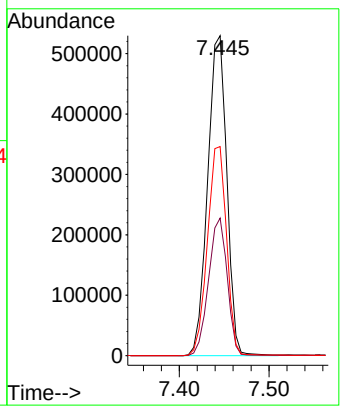


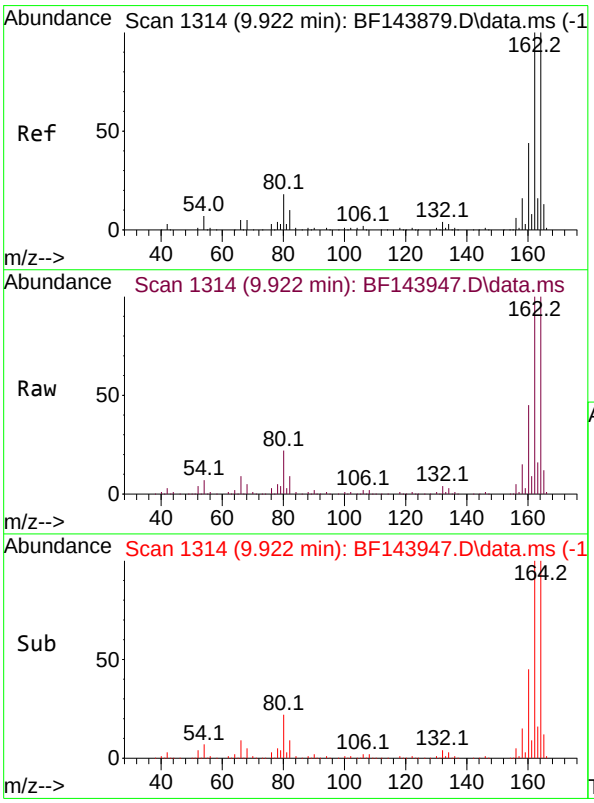
#23
Nitrobenzene-d5
Concen: 95.096 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion: 82 Resp: 784659

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	65.3	53.2	79.8

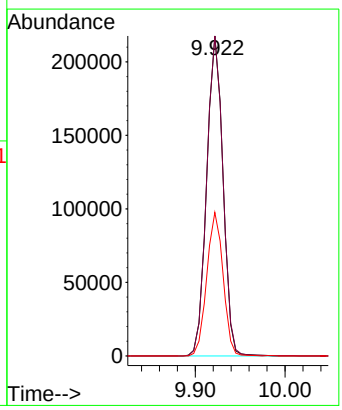


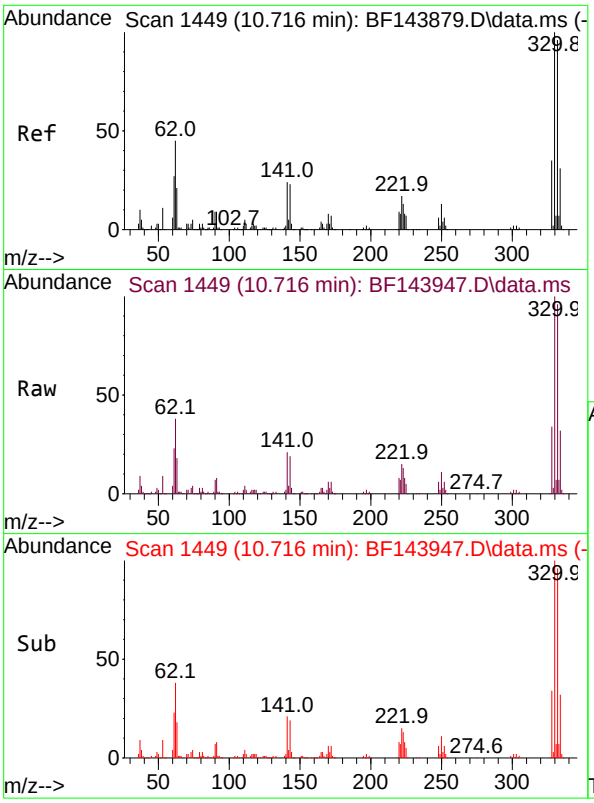


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:164 Resp: 273867

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.2	120.2
160	44.9	35.4	53.0



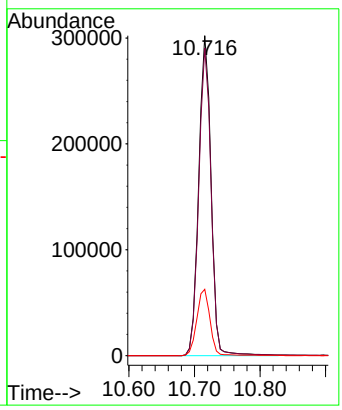


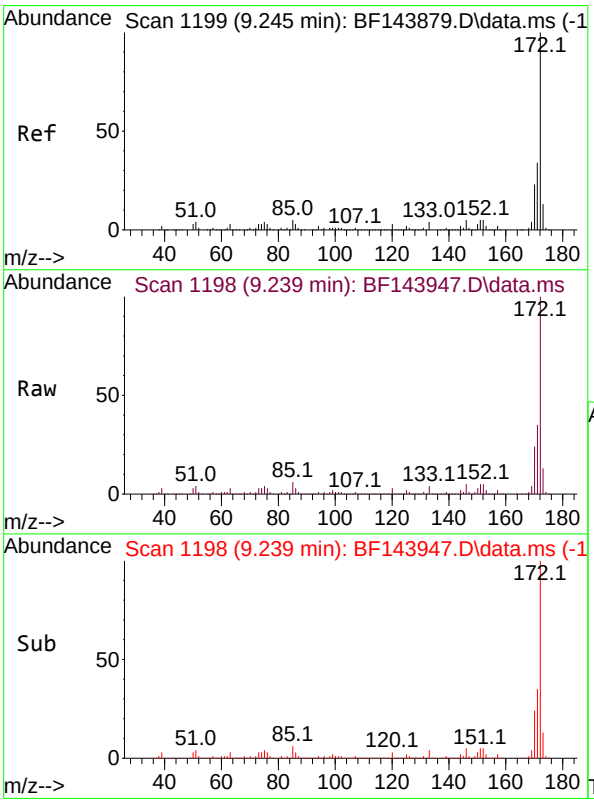
#42
2,4,6-Tribromophenol
Concen: 143.935 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion:330 Resp: 392621

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	22.3	20.2	30.4

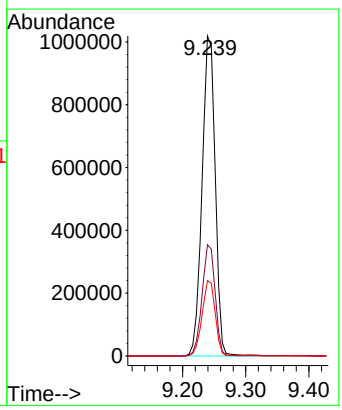


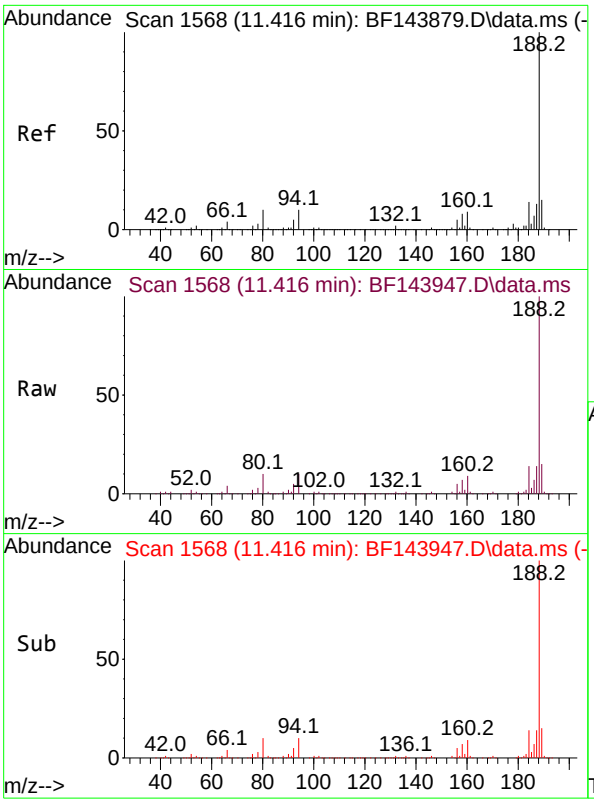


#45
2-Fluorobiphenyl
Concen: 85.355 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:172 Resp: 1473200

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.5	18.6	28.0



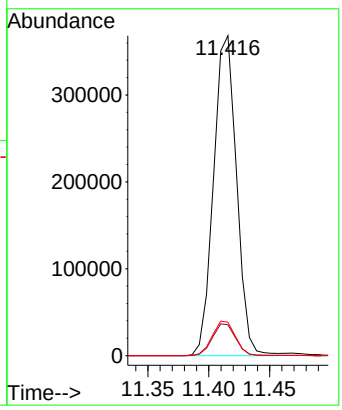


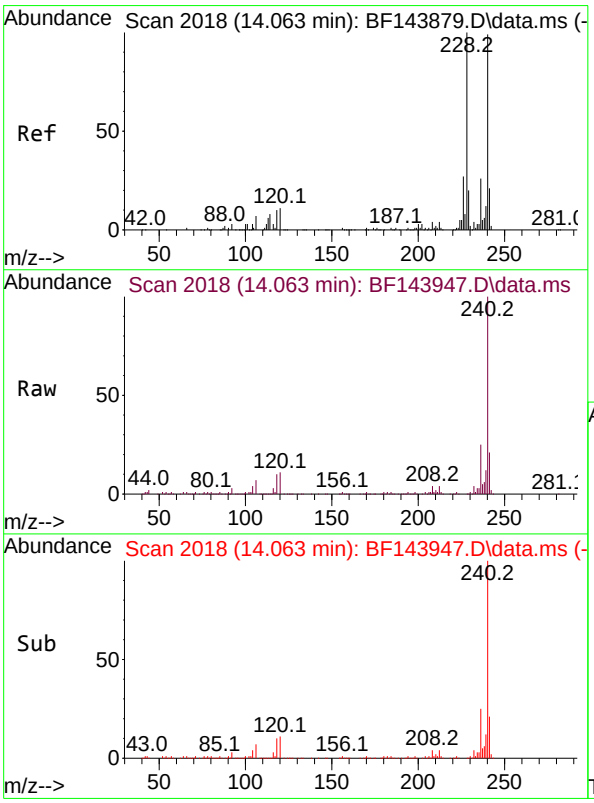
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion:188 Resp: 483747

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.8	11.6
80	10.4	7.9	11.9

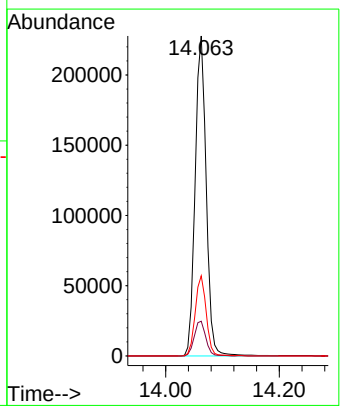


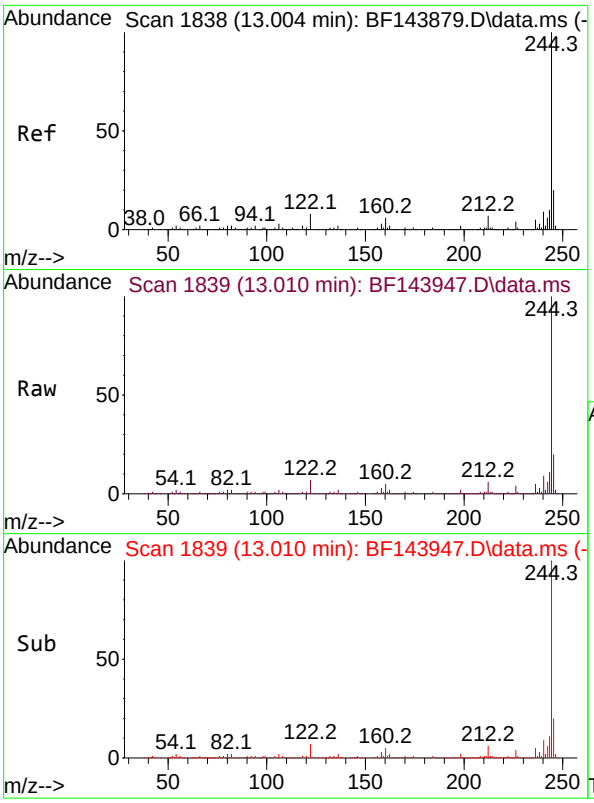


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:240 Resp: 306236

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.0	21.1	31.7



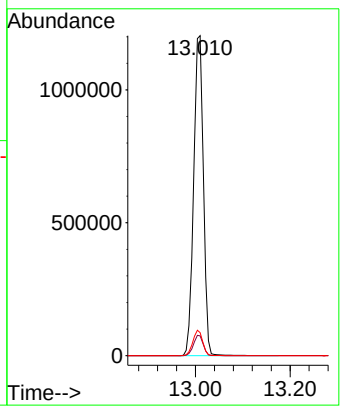


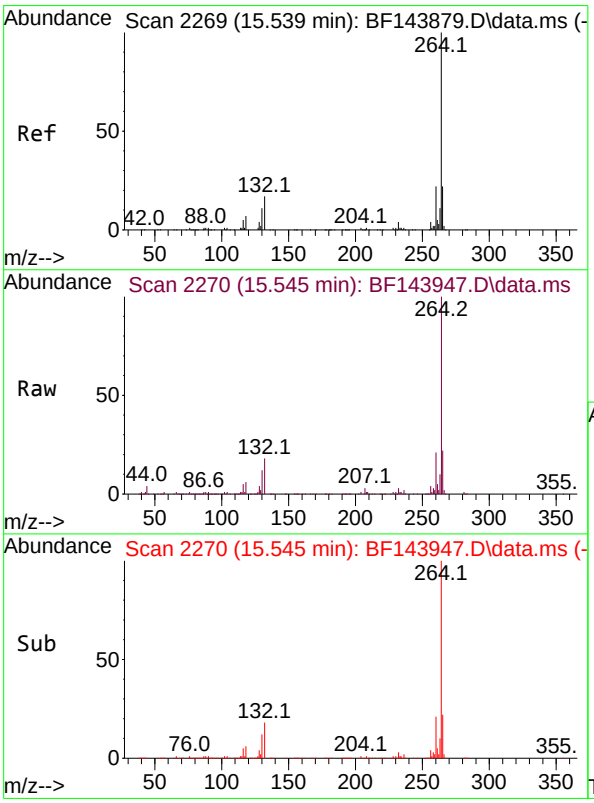
#79
Terphenyl-d14
Concen: 95.788 ng
RT: 13.010 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Tgt Ion:244 Resp: 1716357

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	7.2	6.4	9.6

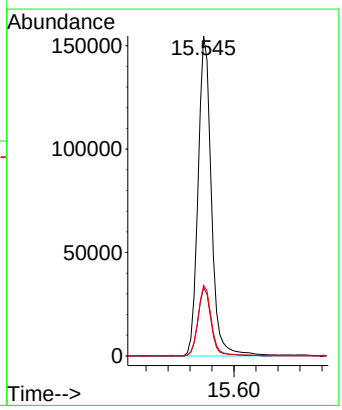




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143947.D
Acq: 14 Oct 2025 14:25

Tgt Ion:264 Resp: 259328

Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.8	26.8
265	22.0	17.5	26.3



Sample Results: **BF143947.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170067BL

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-BF100625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143947.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.134	494	500	511	rBV	41406	68380	1.62%	0.254%
2	5.504	557	563	586	rBV	2542694	3735268	88.68%	13.859%
3	6.504	726	733	739	rBV	2472956	3858911	91.61%	14.317%
4	6.881	792	797	802	rBV	630947	773348	18.36%	2.869%
5	7.445	886	893	898	rBV	1673990	2454871	58.28%	9.108%
6	8.163	1009	1015	1031	rBV	792059	1031285	24.48%	3.826%
7	9.239	1191	1198	1204	rBV	2870614	4073771	96.71%	15.115%
8	9.922	1308	1314	1326	rVB	911881	1151279	27.33%	4.272%
9	10.716	1443	1449	1469	rBV	1930127	2611201	61.99%	9.688%
10	11.416	1562	1568	1575	rBV	887483	1167539	27.72%	4.332%
11	13.004	1832	1838	1844	rBV	2954569	4212291	100.00%	15.629%
12	14.063	2009	2018	2032	rBV	619945	885418	21.02%	3.285%
13	15.545	2264	2270	2282	rBV	396215	663895	15.76%	2.463%
14	17.280	2555	2565	2587	rVB4	48465	265024	6.29%	0.983%

Sum of corrected areas: 26952481

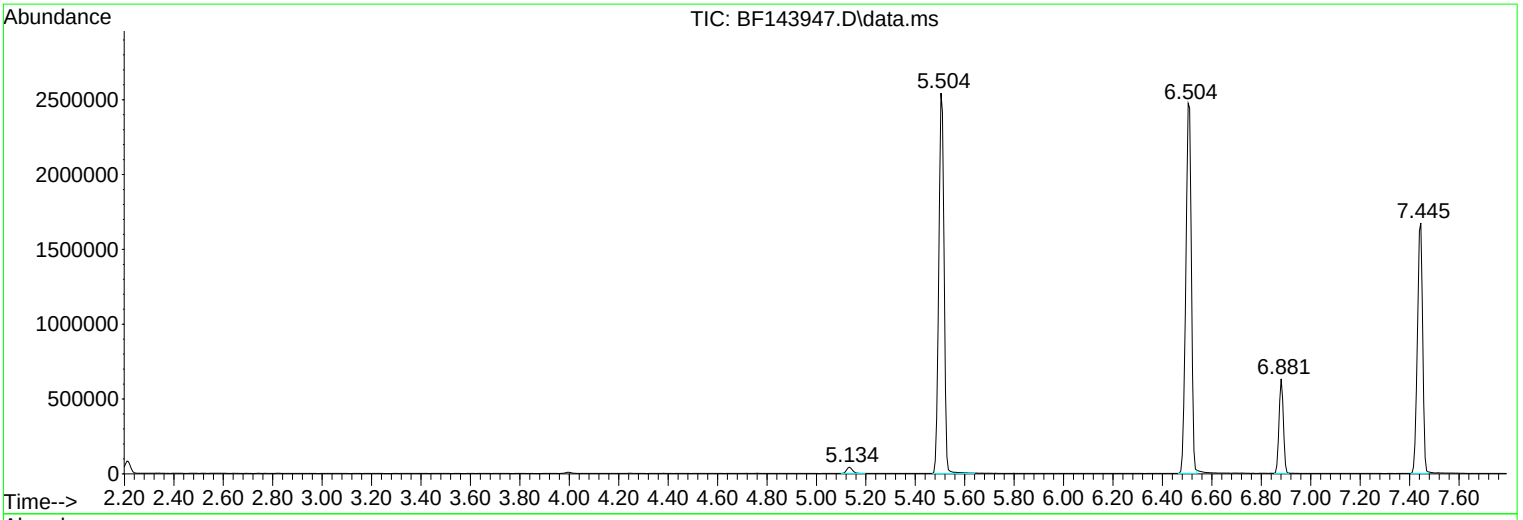
Sample Results: **BF143947.D**

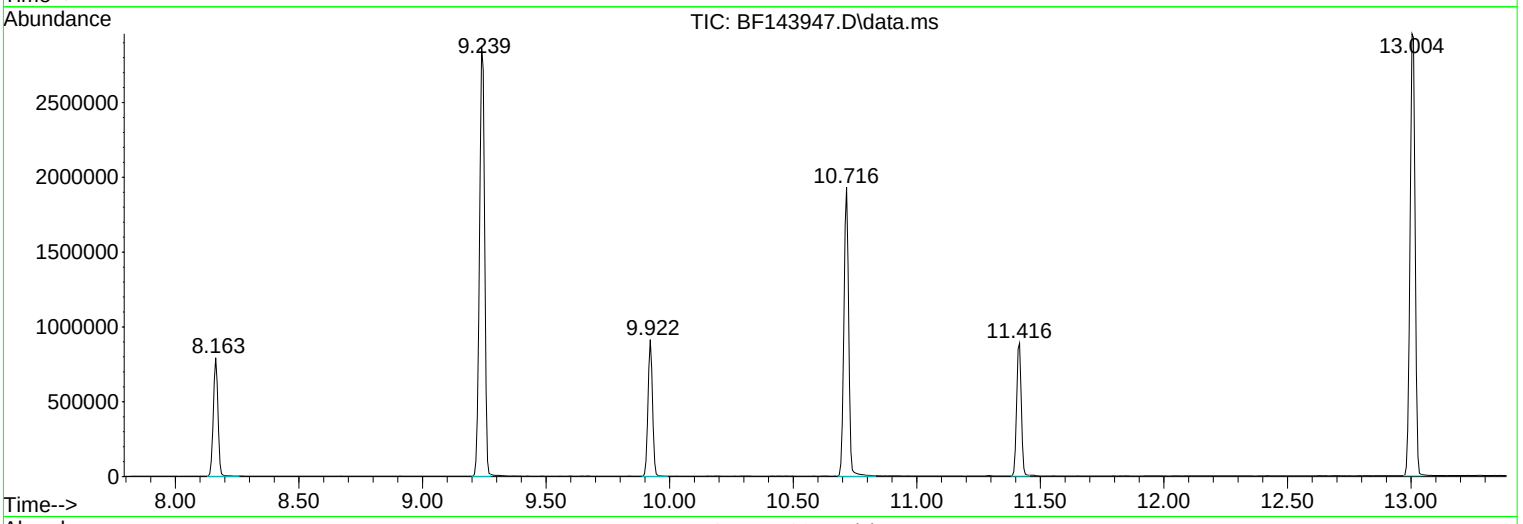
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

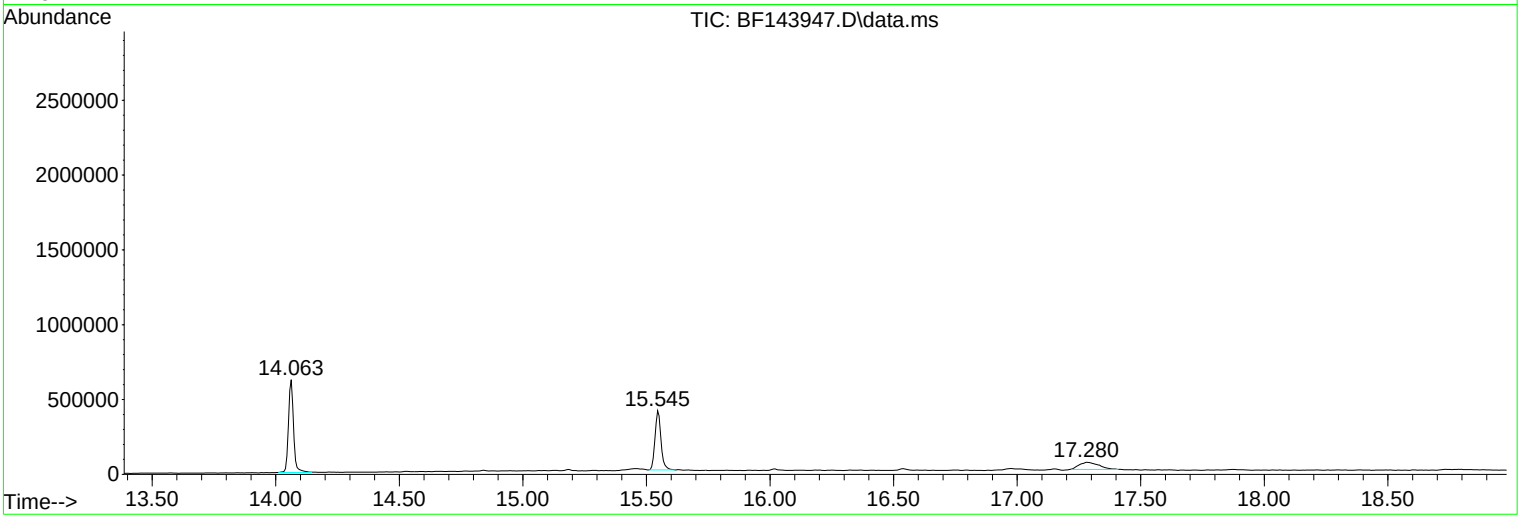
Instrument :
BNA_F
ClientSampleId :
PB170067BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF143947.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170067BL

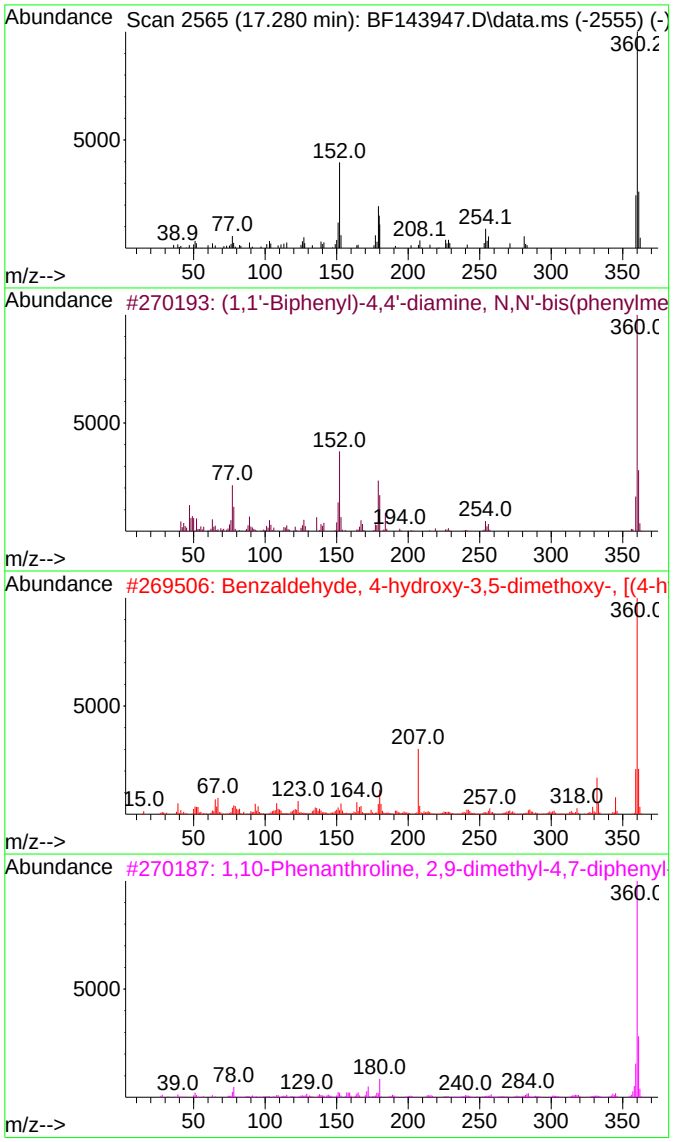
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

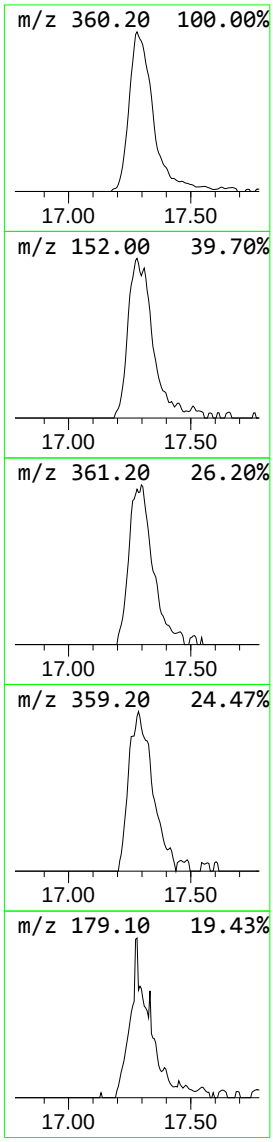
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.280	7.98 ng	265024	Perylene-d12	15.545

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	87
2	Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	49
3	1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	46
4	1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13BO6	1000150-23-7	43
5	N,N'-di-2-Naphthyl-p-phenylenedi...	360	C26H20N2	000093-46-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143947.D
Acq On : 14 Oct 2025 14:25
Operator : RC/JU
Sample : PB170067BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170067BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.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
(1,1'-Biphenyl)...	17.280	8.0	ng	265024	6	15.545	663895	20.0

Raw Data: **BF143948.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	
Project:	Con Edison Richmond Terrace	Date Received:	
Client Sample ID:	PB170067BS	SDG No.:	Q3323
Lab Sample ID:	PB170067BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	920		1	160	330	ug/Kg	10/14/25 15:37	PB170067
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/14/25 15:37	PB170067
111-44-4	bis(2-Chloroethyl)ether	1400		1	24.3	170	ug/Kg	10/14/25 15:37	PB170067
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/14/25 15:37	PB170067
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/14/25 15:37	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/14/25 15:37	PB170067
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/14/25 15:37	PB170067
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/14/25 15:37	PB170067
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/14/25 15:37	PB170067
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/14/25 15:37	PB170067
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/14/25 15:37	PB170067
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/14/25 15:37	PB170067
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/14/25 15:37	PB170067
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/14/25 15:37	PB170067
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/14/25 15:37	PB170067
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	10/14/25 15:37	PB170067
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/14/25 15:37	PB170067
106-47-8	4-Chloroaniline	730		1	35.4	170	ug/Kg	10/14/25 15:37	PB170067
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/14/25 15:37	PB170067
105-60-2	Caprolactam	1600		1	52.0	330	ug/Kg	10/14/25 15:37	PB170067
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/14/25 15:37	PB170067
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/14/25 15:37	PB170067
77-47-4	Hexachlorocyclopentadiene	3700	E	1	120	330	ug/Kg	10/14/25 15:37	PB170067
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/14/25 15:37	PB170067
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/14/25 15:37	PB170067
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/14/25 15:37	PB170067
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/14/25 15:37	PB170067
88-74-4	2-Nitroaniline	1700		1	48.1	170	ug/Kg	10/14/25 15:37	PB170067
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/14/25 15:37	PB170067
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/14/25 15:37	PB170067
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/14/25 15:37	PB170067
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/14/25 15:37	PB170067
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/14/25 15:37	PB170067
51-28-5	2,4-Dinitrophenol	2800	E	1	230	330	ug/Kg	10/14/25 15:37	PB170067
100-02-7	4-Nitrophenol	3000	E	1	110	330	ug/Kg	10/14/25 15:37	PB170067
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/14/25 15:37	PB170067
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/14/25 15:37	PB170067
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/14/25 15:37	PB170067
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/14/25 15:37	PB170067
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/14/25 15:37	PB170067
100-01-6	4-Nitroaniline	1600		1	64.1	170	ug/Kg	10/14/25 15:37	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/14/25 15:37	PB170067

Raw Data: **BF143948.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	
Project:	Con Edison Richmond Terrace			Date Received:	
Client Sample ID:	PB170067BS			SDG No.:	Q3323
Lab Sample ID:	PB170067BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/14/25 15:37	PB170067
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/14/25 15:37	PB170067
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/14/25 15:37	PB170067
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/14/25 15:37	PB170067
87-86-5	Pentachlorophenol	2700	E	1	51.2	330	ug/Kg	10/14/25 15:37	PB170067
85-01-8	Phenanthrene	1400		1	20.9	170	ug/Kg	10/14/25 15:37	PB170067
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	10/14/25 15:37	PB170067
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/14/25 15:37	PB170067
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/14/25 15:37	PB170067
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/14/25 15:37	PB170067
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	10/14/25 15:37	PB170067
85-68-7	Butylbenzylphthalate	1700		1	71.3	170	ug/Kg	10/14/25 15:37	PB170067
91-94-1	3,3-Dichlorobenzidine	860		1	36.7	330	ug/Kg	10/14/25 15:37	PB170067
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/14/25 15:37	PB170067
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/14/25 15:37	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	59.1	170	ug/Kg	10/14/25 15:37	PB170067
117-84-0	Di-n-octyl phthalate	1600		1	86.7	330	ug/Kg	10/14/25 15:37	PB170067
205-99-2	Benzo(b)fluoranthene	1400		1	19.0	170	ug/Kg	10/14/25 15:37	PB170067
207-08-9	Benzo(k)fluoranthene	1600		1	22.4	170	ug/Kg	10/14/25 15:37	PB170067
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/14/25 15:37	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	1600		1	29.1	170	ug/Kg	10/14/25 15:37	PB170067
53-70-3	Dibenzo(a,h)anthracene	1700		1	27.4	170	ug/Kg	10/14/25 15:37	PB170067
191-24-2	Benzo(g,h,i)perylene	1700		1	25.7	170	ug/Kg	10/14/25 15:37	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/14/25 15:37	PB170067
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/14/25 15:37	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/14/25 15:37	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	116			18 - 112	77%	SPK: 150		
13127-88-3	Phenol-d6	116			15 - 107	77%	SPK: 150		
4165-60-0	Nitrobenzene-d5	85.4			18 - 107	85%	SPK: 100		
321-60-8	2-Fluorobiphenyl	78.8			20 - 109	79%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	84%	SPK: 150		
1718-51-0	Terphenyl-d14	93.5			10 - 105	94%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	119000							
1146-65-2	Naphthalene-d8	464000							
15067-26-2	Acenaphthene-d10	250000							
1517-22-2	Phenanthrene-d10	432000							
1719-03-5	Chrysene-d12	248000							
1520-96-3	Perylene-d12	244000							

Raw Data: **BF143948.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc			Date Collected:	
Project:	Con Edison Richmond Terrace			Date Received:	
Client Sample ID:	PB170067BS			SDG No.:	Q3323
Lab Sample ID:	PB170067BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date:	10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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: **BF143948.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143948.D
Acq On : 14 Oct 2025 15:37
Operator : RC/JU
Sample : PB170067BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 15:59:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170067BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	118816	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	463801	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	249783	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	432264	20.000	ng		0.00
76) Chrysene-d12	14.069	240	248238	20.000	ng		0.00
86) Perylene-d12	15.551	264	243737	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	868018	116.011	ng		0.00
7) Phenol-d6	6.510	99	1035874	116.150	ng		0.00
23) Nitrobenzene-d5	7.446	82	652030	85.412	ng		-0.01
42) 2,4,6-Tribromophenol	10.722	330	314732	126.506	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1240494	78.802	ng		0.00
79) Terphenyl-d14	13.004	244	1358582	93.536	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	136737	39.492	ng		96
3) Pyridine	3.493	79	404140	40.095	ng		96
4) n-Nitrosodimethylamine	3.440	42	232930	43.930	ng		90
6) Aniline	6.546	93	458755	34.327	ng		97
8) 2-Chlorophenol	6.669	128	321500	43.958	ng		99
9) Benzaldehyde	6.434	77	189528	27.549	ng		98
10) Phenol	6.522	94	454815m	42.657	ng		
11) bis(2-Chloroethyl)ether	6.616	93	358424	43.518	ng		98
12) 1,3-Dichlorobenzene	6.822	146	371552	42.440	ng		100
13) 1,4-Dichlorobenzene	6.898	146	379549	43.950	ng		99
14) 1,2-Dichlorobenzene	7.051	146	359801	43.498	ng		98
15) Benzyl Alcohol	7.022	79	308764	46.207	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	850130	45.346	ng		99
17) 2-Methylphenol	7.134	107	268790	44.469	ng		98
18) Hexachloroethane	7.393	117	124418	43.200	ng		99
19) n-Nitroso-di-n-propyla...	7.293	70	257057	42.108	ng		97
20) 3+4-Methylphenols	7.287	107	301806	43.082	ng	#	74
22) Acetophenone	7.293	105	458140	46.717	ng		98
24) Nitrobenzene	7.463	77	389825	45.983	ng		100
25) Isophorone	7.704	82	710540	44.142	ng		99
26) 2-Nitrophenol	7.781	139	181051	49.813	ng		99
27) 2,4-Dimethylphenol	7.816	122	317944	48.629	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	453330	44.584	ng		98
29) 2,4-Dichlorophenol	8.022	162	296950	43.602	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	304245	45.424	ng		99
31) Naphthalene	8.187	128	893956	42.372	ng		99
32) Benzoic acid	7.940	122	232305m	51.339	ng		
33) 4-Chloroaniline	8.234	127	173845	21.970	ng		99
34) Hexachlorobutadiene	8.304	225	194584	41.807	ng		98
35) Caprolactam	8.604	113	100966m	46.626	ng		
36) 4-Chloro-3-methylphenol	8.716	107	292336	44.687	ng		99
37) 2-Methylnaphthalene	8.881	142	556742	39.615	ng		100
38) 1-Methylnaphthalene	8.981	142	557341	40.885	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	330746	47.909	ng		99
41) Hexachlorocyclopentadiene	9.034	237	319805	111.662	ng		97
43) 2,4,6-Trichlorophenol	9.157	196	220692	43.751	ng		97

Sample Results: **BF143948.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143948.D
Acq On : 14 Oct 2025 15:37
Operator : RC/JU
Sample : PB170067BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 15:59:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170067BS

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	233369	43.780	ng		99
46) 1,1'-Biphenyl	9.345	154	780071	47.169	ng		98
47) 2-Chloronaphthalene	9.369	162	602543	43.699	ng		97
48) 2-Nitroaniline	9.469	65	218133	50.038	ng		99
49) Acenaphthylene	9.787	152	954249	49.227	ng		99
50) Dimethylphthalate	9.645	163	706134	44.517	ng		99
51) 2,6-Dinitrotoluene	9.710	165	153977	52.349	ng		97
52) Acenaphthene	9.963	154	583286	45.921	ng		100
53) 3-Nitroaniline	9.875	138	118770	32.978	ng		97
54) 2,4-Dinitrophenol	9.987	184	155971	85.449	ng		91
55) Dibenzofuran	10.134	168	781151	43.566	ng		99
56) 4-Nitrophenol	10.039	139	241994	88.741	ng		95
57) 2,4-Dinitrotoluene	10.116	165	210223	52.528	ng		99
58) Fluorene	10.475	166	590746	43.663	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	185895	49.265	ng		96
60) Diethylphthalate	10.351	149	656919	44.578	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	310983	43.475	ng		98
62) 4-Nitroaniline	10.498	138	163217	47.127	ng		96
63) Azobenzene	10.628	77	704833	45.764	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	115770	53.295	ng		99
66) n-Nitrosodiphenylamine	10.586	169	605515	44.613	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	201860	42.255	ng		96
68) Hexachlorobenzene	11.028	284	243126	43.960	ng		97
69) Atrazine	11.116	200	196890	47.861	ng		99
70) Pentachlorophenol	11.222	266	254320	80.066	ng		98
71) Phenanthrene	11.445	178	892973	42.611	ng		100
72) Anthracene	11.492	178	908961	42.935	ng		98
73) Carbazole	11.651	167	817434	43.596	ng		100
74) Di-n-butylphthalate	11.975	149	1007480	46.361	ng		99
75) Fluoranthene	12.633	202	943712	43.597	ng		99
77) Benzidine	12.757	184	352253	40.867	ng		97
78) Pyrene	12.863	202	948766	45.845	ng		99
80) Butylbenzylphthalate	13.480	149	350965	52.218	ng		99
81) Benzo(a)anthracene	14.057	228	744619	45.837	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	128361	25.928	ng	#	97
83) Chrysene	14.092	228	689675	45.871	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	419040	51.721	ng		99
85) Di-n-octyl phthalate	14.657	149	631608	47.464	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	731452	48.976	ng		98
88) Benzo(b)fluoranthene	15.116	252	607748	43.407	ng		99
89) Benzo(k)fluoranthene	15.145	252	604096	46.629	ng		99
90) Benzo(a)pyrene	15.486	252	588905	48.508	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	600325	49.979	ng		99
92) Benzo(g,h,i)perylene	17.510	276	605478	50.408	ng		97

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

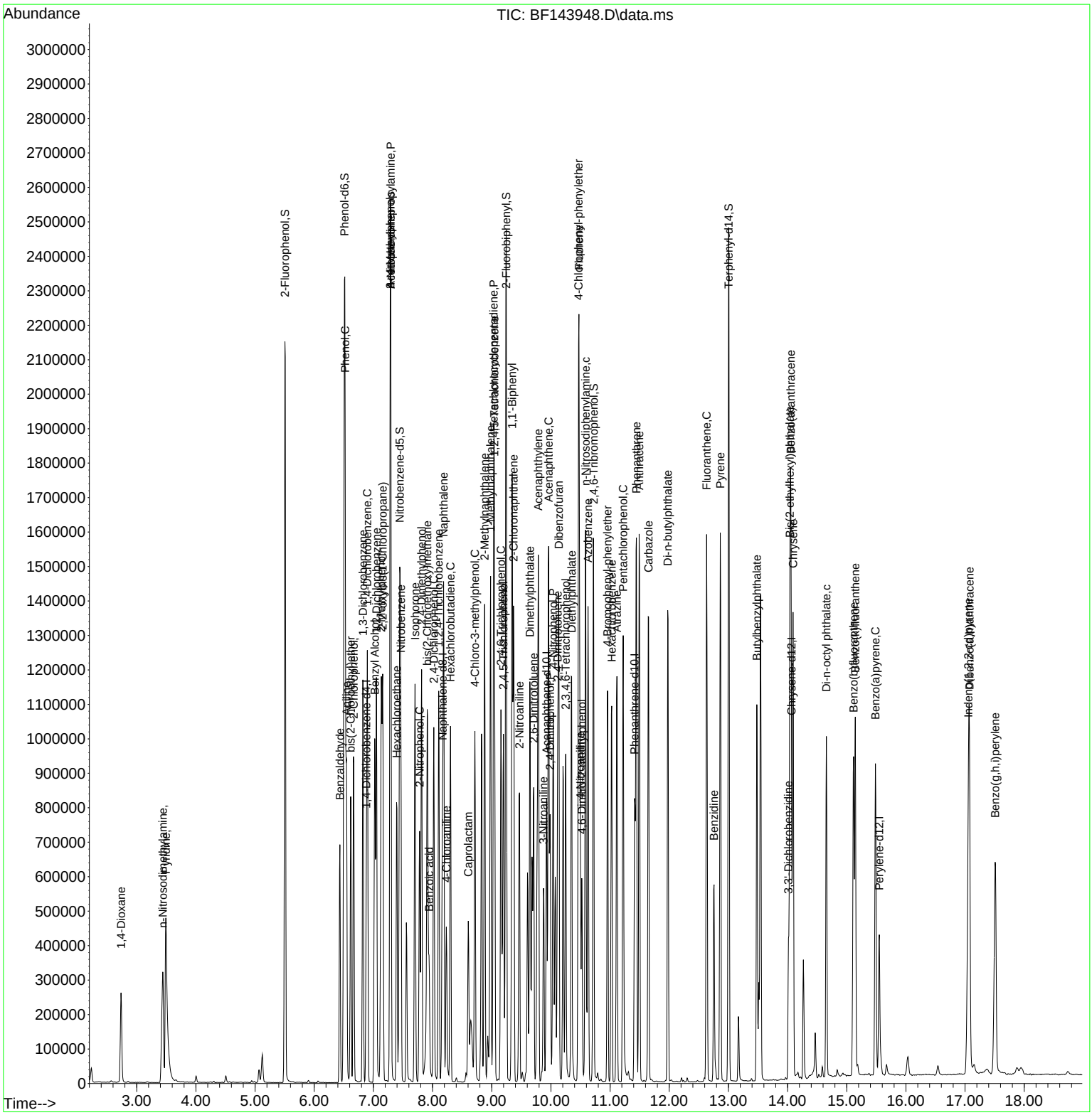
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
Data File : BF143948.D
Acq On : 14 Oct 2025 15:37
Operator : RC/JU
Sample : PB170067BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 15:59:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170067BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



Raw Data: **BF143935.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MS	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1400		1	220	470	ug/Kg	10/13/25 16:33	PB170067
108-95-2	Phenol	2200		1	31.4	240	ug/Kg	10/13/25 16:33	PB170067
111-44-4	bis(2-Chloroethyl)ether	2300		1	34.6	240	ug/Kg	10/13/25 16:33	PB170067
95-57-8	2-Chlorophenol	2300		1	34.7	240	ug/Kg	10/13/25 16:33	PB170067
95-48-7	2-Methylphenol	2300		1	42.5	240	ug/Kg	10/13/25 16:33	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	2300		1	53.3	240	ug/Kg	10/13/25 16:33	PB170067
98-86-2	Acetophenone	2400		1	42.0	240	ug/Kg	10/13/25 16:33	PB170067
65794-96-9	3+4-Methylphenols	2200		1	58.4	470	ug/Kg	10/13/25 16:33	PB170067
621-64-7	n-Nitroso-di-n-propylamine	2100		1	67.4	110	ug/Kg	10/13/25 16:33	PB170067
67-72-1	Hexachloroethane	2300		1	25.0	240	ug/Kg	10/13/25 16:33	PB170067
98-95-3	Nitrobenzene	2300		1	26.0	240	ug/Kg	10/13/25 16:33	PB170067
78-59-1	Isophorone	2200		1	46.6	240	ug/Kg	10/13/25 16:33	PB170067
88-75-5	2-Nitrophenol	2600		1	82.8	240	ug/Kg	10/13/25 16:33	PB170067
105-67-9	2,4-Dimethylphenol	2500		1	92.2	240	ug/Kg	10/13/25 16:33	PB170067
111-91-1	bis(2-Chloroethoxy)methane	2200		1	43.8	240	ug/Kg	10/13/25 16:33	PB170067
120-83-2	2,4-Dichlorophenol	2200		1	40.2	240	ug/Kg	10/13/25 16:33	PB170067
91-20-3	Naphthalene	2200		1	32.3	240	ug/Kg	10/13/25 16:33	PB170067
106-47-8	4-Chloroaniline	1100		1	50.3	240	ug/Kg	10/13/25 16:33	PB170067
87-68-3	Hexachlorobutadiene	2200		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
105-60-2	Caprolactam	2300		1	74.1	470	ug/Kg	10/13/25 16:33	PB170067
59-50-7	4-Chloro-3-methylphenol	2200		1	40.8	240	ug/Kg	10/13/25 16:33	PB170067
91-57-6	2-Methylnaphthalene	1900		1	36.4	240	ug/Kg	10/13/25 16:33	PB170067
77-47-4	Hexachlorocyclopentadiene	5400	E	1	160	470	ug/Kg	10/13/25 16:33	PB170067
88-06-2	2,4,6-Trichlorophenol	2200		1	28.2	240	ug/Kg	10/13/25 16:33	PB170067
95-95-4	2,4,5-Trichlorophenol	2300		1	41.4	240	ug/Kg	10/13/25 16:33	PB170067
92-52-4	1,1-Biphenyl	2500		1	31.0	240	ug/Kg	10/13/25 16:33	PB170067
91-58-7	2-Chloronaphthalene	2200		1	32.0	240	ug/Kg	10/13/25 16:33	PB170067
88-74-4	2-Nitroaniline	2500		1	68.4	240	ug/Kg	10/13/25 16:33	PB170067
131-11-3	Dimethylphthalate	2200		1	38.5	240	ug/Kg	10/13/25 16:33	PB170067
208-96-8	Acenaphthylene	2500		1	41.1	240	ug/Kg	10/13/25 16:33	PB170067
606-20-2	2,6-Dinitrotoluene	2700		1	47.8	240	ug/Kg	10/13/25 16:33	PB170067
99-09-2	3-Nitroaniline	1600		1	65.4	240	ug/Kg	10/13/25 16:33	PB170067
83-32-9	Acenaphthene	2300		1	30.3	240	ug/Kg	10/13/25 16:33	PB170067
51-28-5	2,4-Dinitrophenol	3900	E	1	330	470	ug/Kg	10/13/25 16:33	PB170067
100-02-7	4-Nitrophenol	4300	E	1	150	470	ug/Kg	10/13/25 16:33	PB170067
132-64-9	Dibenzofuran	2200		1	32.3	240	ug/Kg	10/13/25 16:33	PB170067
121-14-2	2,4-Dinitrotoluene	2500		1	71.2	240	ug/Kg	10/13/25 16:33	PB170067
84-66-2	Diethylphthalate	2200		1	40.2	240	ug/Kg	10/13/25 16:33	PB170067
7005-72-3	4-Chlorophenyl-phenylether	2100		1	38.0	240	ug/Kg	10/13/25 16:33	PB170067
86-73-7	Fluorene	2100		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
100-01-6	4-Nitroaniline	2200		1	91.3	240	ug/Kg	10/13/25 16:33	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	2600		1	150	470	ug/Kg	10/13/25 16:33	PB170067

Raw Data: **BF143935.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MS	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2400		1	46.8	240	ug/Kg	10/13/25 16:33	PB170067
101-55-3	4-Bromophenyl-phenylether	2300		1	39.5	240	ug/Kg	10/13/25 16:33	PB170067
118-74-1	Hexachlorobenzene	2200		1	36.0	240	ug/Kg	10/13/25 16:33	PB170067
1912-24-9	Atrazine	2400		1	48.4	240	ug/Kg	10/13/25 16:33	PB170067
87-86-5	Pentachlorophenol	4300	E	1	73.0	470	ug/Kg	10/13/25 16:33	PB170067
85-01-8	Phenanthrene	2200		1	29.7	240	ug/Kg	10/13/25 16:33	PB170067
120-12-7	Anthracene	2200		1	47.4	240	ug/Kg	10/13/25 16:33	PB170067
86-74-8	Carbazole	2200		1	44.4	240	ug/Kg	10/13/25 16:33	PB170067
84-74-2	Di-n-butylphthalate	2300		1	68.1	240	ug/Kg	10/13/25 16:33	PB170067
206-44-0	Fluoranthene	2100		1	42.7	240	ug/Kg	10/13/25 16:33	PB170067
129-00-0	Pyrene	2000		1	51.2	240	ug/Kg	10/13/25 16:33	PB170067
85-68-7	Butylbenzylphthalate	2300		1	100	240	ug/Kg	10/13/25 16:33	PB170067
91-94-1	3,3-Dichlorobenzidine	1700		1	52.2	470	ug/Kg	10/13/25 16:33	PB170067
56-55-3	Benzo(a)anthracene	2500		1	32.7	240	ug/Kg	10/13/25 16:33	PB170067
218-01-9	Chrysene	2300		1	28.3	240	ug/Kg	10/13/25 16:33	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	2600		1	84.2	240	ug/Kg	10/13/25 16:33	PB170067
117-84-0	Di-n-octyl phthalate	3100		1	120	470	ug/Kg	10/13/25 16:33	PB170067
205-99-2	Benzo(b)fluoranthene	2100		1	27.0	240	ug/Kg	10/13/25 16:33	PB170067
207-08-9	Benzo(k)fluoranthene	2200		1	31.9	240	ug/Kg	10/13/25 16:33	PB170067
50-32-8	Benzo(a)pyrene	2400		1	42.0	240	ug/Kg	10/13/25 16:33	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	2400		1	41.4	240	ug/Kg	10/13/25 16:33	PB170067
53-70-3	Dibenzo(a,h)anthracene	2400		1	39.0	240	ug/Kg	10/13/25 16:33	PB170067
191-24-2	Benzo(g,h,i)perylene	2400		1	36.5	240	ug/Kg	10/13/25 16:33	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	2400		1	36.4	240	ug/Kg	10/13/25 16:33	PB170067
123-91-1	1,4-Dioxane	2200		1	64.3	240	ug/Kg	10/13/25 16:33	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	39.0	240	ug/Kg	10/13/25 16:33	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	77.8			18 - 112	52%	SPK: 150		
13127-88-3	Phenol-d6	77.9			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	51.3			18 - 107	51%	SPK: 100		
321-60-8	2-Fluorobiphenyl	45.5			20 - 109	45%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	69.0			10 - 116	46%	SPK: 150		
1718-51-0	Terphenyl-d14	36.8			10 - 105	37%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	108000							
1146-65-2	Naphthalene-d8	416000							
15067-26-2	Acenaphthene-d10	216000							
1517-22-2	Phenanthrene-d10	334000							
1719-03-5	Chrysene-d12	222000							
1520-96-3	Perylene-d12	297000							

Raw Data: **BF143935.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MS	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101325\
Data File : BF143935.D
Acq On : 13 Oct 2025 16:33
Operator : RC/JU
Sample : Q3323-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MS

Quant Time: Oct 13 17:21:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	107554	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	415656	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	216450	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	333679	20.000	ng		0.00
76) Chrysene-d12	14.063	240	222422	20.000	ng		0.00
86) Perylene-d12	15.551	264	297210	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	526920	77.797	ng		0.00
7) Phenol-d6	6.504	99	628812	77.890	ng		-0.01
23) Nitrobenzene-d5	7.445	82	350641	51.252	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	148746	68.995	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	620021	45.452	ng		-0.01
79) Terphenyl-d14	13.004	244	479545	36.848	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.699	88	145623	46.463	ng		97
3) Pyridine	3.463	79	404088	44.288	ng		99
4) n-Nitrosodimethylamine	3.410	42	230157	47.952	ng		91
6) Aniline	6.545	93	409288	33.833	ng		99
8) 2-Chlorophenol	6.669	128	315099	47.594	ng		97
9) Benzaldehyde	6.434	77	184992	29.705	ng		99
10) Phenol	6.522	94	450834m	46.711	ng		
11) bis(2-Chloroethyl)ether	6.616	93	355331	47.659	ng		98
12) 1,3-Dichlorobenzene	6.822	146	367467	46.368	ng		99
13) 1,4-Dichlorobenzene	6.898	146	378849	48.463	ng		99
14) 1,2-Dichlorobenzene	7.051	146	365125	48.763	ng		99
15) Benzyl Alcohol	7.022	79	304593	50.356	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	828052	48.793	ng		99
17) 2-Methylphenol	7.134	107	263304	48.123	ng		98
18) Hexachloroethane	7.398	117	124956	47.930	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	245118	44.357	ng		99
20) 3+4-Methylphenols	7.287	107	291732	46.004	ng	#	72
22) Acetophenone	7.292	105	444439	50.569	ng		100
24) Nitrobenzene	7.463	77	371851	48.943	ng		99
25) Isophorone	7.704	82	665853	46.157	ng		98
26) 2-Nitrophenol	7.781	139	176974	54.331	ng		99
27) 2,4-Dimethylphenol	7.816	122	305284	52.101	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	429231	47.103	ng		100
29) 2,4-Dichlorophenol	8.022	162	284646	46.637	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	290682	48.426	ng		99
31) Naphthalene	8.186	128	876011	46.330	ng		100
32) Benzoic acid	7.928	122	219164	54.045	ng		98
33) 4-Chloroaniline	8.233	127	167106	23.565	ng		98
34) Hexachlorobutadiene	8.304	225	192458	46.140	ng		99
35) Caprolactam	8.604	113	92189	47.504	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	271057	46.233	ng		99
37) 2-Methylnaphthalene	8.881	142	513329	40.757	ng		96
38) 1-Methylnaphthalene	8.981	142	533256	43.649	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	309130	51.673	ng		98
41) Hexachlorocyclopentadiene	9.033	237	282083	113.659	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	206484	47.239	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143935.D
Acq On : 13 Oct 2025 16:33
Operator : RC/JU
Sample : Q3323-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MS

Quant Time: Oct 13 17:21:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

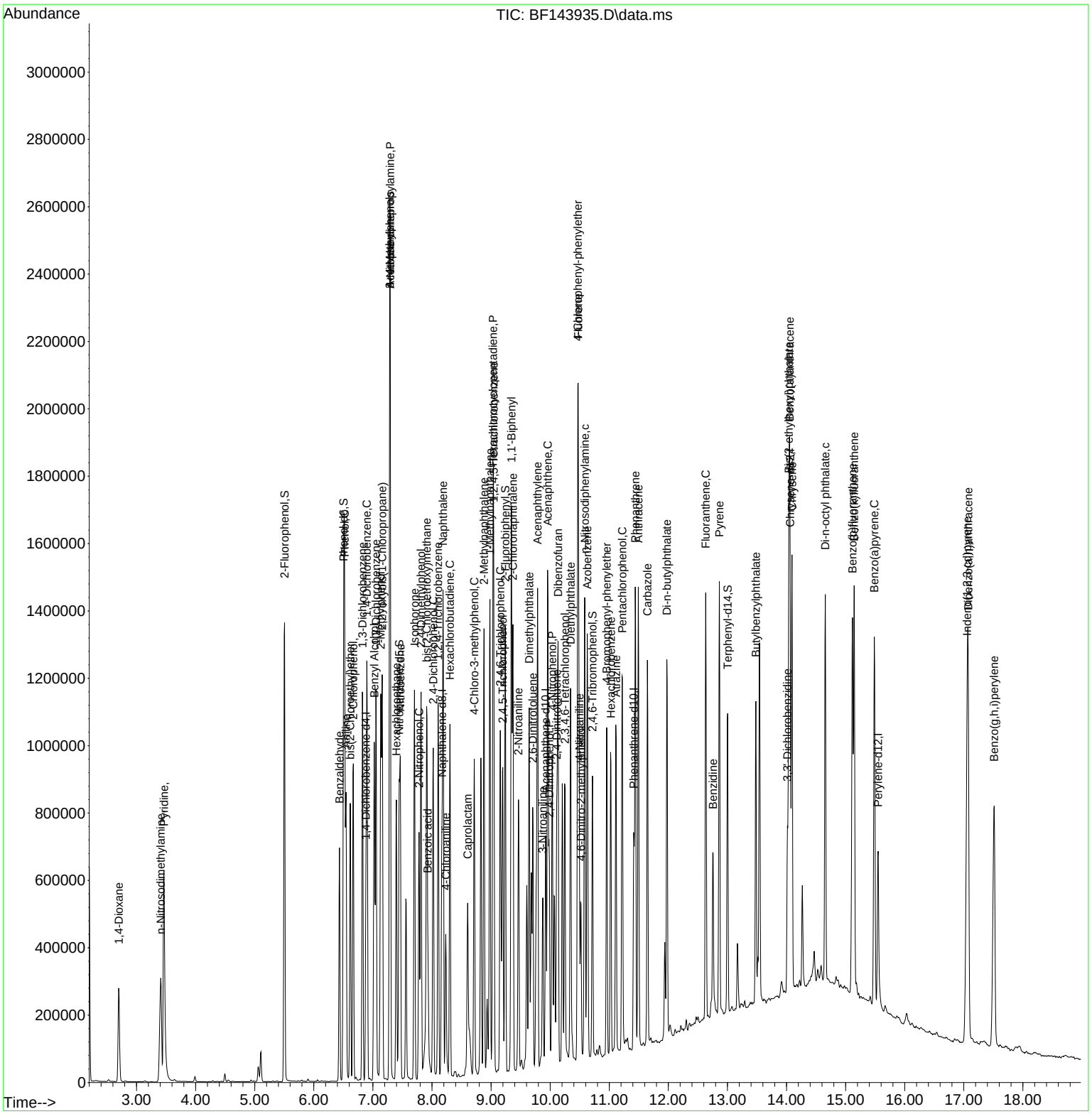
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	221976	48.055	ng		98
46) 1,1'-Biphenyl	9.345	154	742911	51.840	ng		99
47) 2-Chloronaphthalene	9.369	162	557020	46.618	ng		98
48) 2-Nitroaniline	9.463	65	198434	52.529	ng		99
49) Acenaphthylene	9.786	152	879612	52.364	ng		99
50) Dimethylphthalate	9.645	163	643868	46.842	ng		99
51) 2,6-Dinitrotoluene	9.704	165	143281	56.214	ng		98
52) Acenaphthene	9.957	154	538662	48.938	ng		99
53) 3-Nitroaniline	9.875	138	104601	33.516	ng		99
54) 2,4-Dinitrophenol	9.986	184	129631	82.239	ng		93
55) Dibenzofuran	10.133	168	712474	45.855	ng		99
56) 4-Nitrophenol	10.033	139	212893	90.092	ng		95
57) 2,4-Dinitrotoluene	10.110	165	184940	53.327	ng		100
58) Fluorene	10.475	166	528307	45.061	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	154695m	47.310	ng		
60) Diethylphthalate	10.345	149	588987	46.124	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	275581	44.459	ng		99
62) 4-Nitroaniline	10.492	138	141971	47.305	ng		92
63) Azobenzene	10.627	77	673525	50.466	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	93633	55.840	ng		95
66) n-Nitrosodiphenylamine	10.586	169	535812	51.141	ng		98
67) 4-Bromophenyl-phenylether	10.957	248	176200	47.781	ng		99
68) Hexachlorobenzene	11.027	284	199700	46.776	ng		97
69) Atrazine	11.116	200	163108	51.363	ng		98
70) Pentachlorophenol	11.222	266	221671	90.406	ng		99
71) Phenanthrene	11.439	178	762488	47.135	ng		99
72) Anthracene	11.492	178	773184	47.311	ng		99
73) Carbazole	11.645	167	670408	46.318	ng		100
74) Di-n-butylphthalate	11.974	149	815746	48.629	ng		99
75) Fluoranthene	12.633	202	748079	44.770	ng		99
77) Benzidine	12.757	184	311975	40.395	ng		98
78) Pyrene	12.863	202	774591	41.773	ng		100
80) Butylbenzylphthalate	13.480	149	295803	49.119	ng		98
81) Benzo(a)anthracene	14.057	228	752478	51.697	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	162011	36.524	ng	#	99
83) Chrysene	14.092	228	652141	48.409	ng		99
84) Bis(2-ethylhexyl)phtha...	14.039	149	405514	55.860	ng		100
85) Di-n-octyl phthalate	14.657	149	781103	65.511	ng		99
87) Indeno(1,2,3-cd)pyrene	17.056	276	925104	50.798	ng		98
88) Benzo(b)fluoranthene	15.115	252	755780	44.268	ng		98
89) Benzo(k)fluoranthene	15.145	252	748875	47.404	ng		99
90) Benzo(a)pyrene	15.486	252	753600	50.906	ng		99
91) Dibenzo(a,h)anthracene	17.074	278	727986	49.703	ng		99
92) Benzo(g,h,i)perylene	17.515	276	735960	50.247	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143935.D
Acq On : 13 Oct 2025 16:33
Operator : RC/JU
Sample : Q3323-04MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MS

Quant Time: Oct 13 17:21:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



Raw Data: **BF143936.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MSD	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	220	470	ug/Kg	10/13/25 17:03	PB170067
108-95-2	Phenol	2400		1	31.5	240	ug/Kg	10/13/25 17:03	PB170067
111-44-4	bis(2-Chloroethyl)ether	2400		1	34.6	240	ug/Kg	10/13/25 17:03	PB170067
95-57-8	2-Chlorophenol	2400		1	34.7	240	ug/Kg	10/13/25 17:03	PB170067
95-48-7	2-Methylphenol	2400		1	42.6	240	ug/Kg	10/13/25 17:03	PB170067
108-60-1	2,2-oxybis(1-Chloropropane)	2500		1	53.4	240	ug/Kg	10/13/25 17:03	PB170067
98-86-2	Acetophenone	2600		1	42.0	240	ug/Kg	10/13/25 17:03	PB170067
65794-96-9	3+4-Methylphenols	2300		1	58.5	470	ug/Kg	10/13/25 17:03	PB170067
621-64-7	n-Nitroso-di-n-propylamine	2200		1	67.5	110	ug/Kg	10/13/25 17:03	PB170067
67-72-1	Hexachloroethane	2400		1	25.1	240	ug/Kg	10/13/25 17:03	PB170067
98-95-3	Nitrobenzene	2500		1	26.1	240	ug/Kg	10/13/25 17:03	PB170067
78-59-1	Isophorone	2300		1	46.7	240	ug/Kg	10/13/25 17:03	PB170067
88-75-5	2-Nitrophenol	2800		1	82.9	240	ug/Kg	10/13/25 17:03	PB170067
105-67-9	2,4-Dimethylphenol	2600		1	92.2	240	ug/Kg	10/13/25 17:03	PB170067
111-91-1	bis(2-Chloroethoxy)methane	2400		1	43.8	240	ug/Kg	10/13/25 17:03	PB170067
120-83-2	2,4-Dichlorophenol	2300		1	40.3	240	ug/Kg	10/13/25 17:03	PB170067
91-20-3	Naphthalene	2300		1	32.3	240	ug/Kg	10/13/25 17:03	PB170067
106-47-8	4-Chloroaniline	1100		1	50.4	240	ug/Kg	10/13/25 17:03	PB170067
87-68-3	Hexachlorobutadiene	2300		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
105-60-2	Caprolactam	2400		1	74.2	470	ug/Kg	10/13/25 17:03	PB170067
59-50-7	4-Chloro-3-methylphenol	2300		1	40.9	240	ug/Kg	10/13/25 17:03	PB170067
91-57-6	2-Methylnaphthalene	2100		1	36.4	240	ug/Kg	10/13/25 17:03	PB170067
77-47-4	Hexachlorocyclopentadiene	5300	E	1	170	470	ug/Kg	10/13/25 17:03	PB170067
88-06-2	2,4,6-Trichlorophenol	2300		1	28.2	240	ug/Kg	10/13/25 17:03	PB170067
95-95-4	2,4,5-Trichlorophenol	2300		1	41.4	240	ug/Kg	10/13/25 17:03	PB170067
92-52-4	1,1-Biphenyl	2500		1	31.0	240	ug/Kg	10/13/25 17:03	PB170067
91-58-7	2-Chloronaphthalene	2300		1	32.0	240	ug/Kg	10/13/25 17:03	PB170067
88-74-4	2-Nitroaniline	2500		1	68.5	240	ug/Kg	10/13/25 17:03	PB170067
131-11-3	Dimethylphthalate	2300		1	38.6	240	ug/Kg	10/13/25 17:03	PB170067
208-96-8	Acenaphthylene	2600		1	41.1	240	ug/Kg	10/13/25 17:03	PB170067
606-20-2	2,6-Dinitrotoluene	2800		1	47.8	240	ug/Kg	10/13/25 17:03	PB170067
99-09-2	3-Nitroaniline	1600		1	65.5	240	ug/Kg	10/13/25 17:03	PB170067
83-32-9	Acenaphthene	2400		1	30.3	240	ug/Kg	10/13/25 17:03	PB170067
51-28-5	2,4-Dinitrophenol	4000	E	1	330	470	ug/Kg	10/13/25 17:03	PB170067
100-02-7	4-Nitrophenol	4400	E	1	150	470	ug/Kg	10/13/25 17:03	PB170067
132-64-9	Dibenzofuran	2200		1	32.3	240	ug/Kg	10/13/25 17:03	PB170067
121-14-2	2,4-Dinitrotoluene	2600		1	71.3	240	ug/Kg	10/13/25 17:03	PB170067
84-66-2	Diethylphthalate	2200		1	40.3	240	ug/Kg	10/13/25 17:03	PB170067
7005-72-3	4-Chlorophenyl-phenylether	2200		1	38.0	240	ug/Kg	10/13/25 17:03	PB170067
86-73-7	Fluorene	2200		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
100-01-6	4-Nitroaniline	2200		1	91.4	240	ug/Kg	10/13/25 17:03	PB170067
534-52-1	4,6-Dinitro-2-methylphenol	2800		1	150	470	ug/Kg	10/13/25 17:03	PB170067

Raw Data: **BF143936.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MSD	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2500		1	46.8	240	ug/Kg	10/13/25 17:03	PB170067
101-55-3	4-Bromophenyl-phenylether	2400		1	39.6	240	ug/Kg	10/13/25 17:03	PB170067
118-74-1	Hexachlorobenzene	2300		1	36.0	240	ug/Kg	10/13/25 17:03	PB170067
1912-24-9	Atrazine	2500		1	48.4	240	ug/Kg	10/13/25 17:03	PB170067
87-86-5	Pentachlorophenol	4300	E	1	73.0	470	ug/Kg	10/13/25 17:03	PB170067
85-01-8	Phenanthrene	2400		1	29.8	240	ug/Kg	10/13/25 17:03	PB170067
120-12-7	Anthracene	2300		1	47.4	240	ug/Kg	10/13/25 17:03	PB170067
86-74-8	Carbazole	2300		1	44.4	240	ug/Kg	10/13/25 17:03	PB170067
84-74-2	Di-n-butylphthalate	2400		1	68.2	240	ug/Kg	10/13/25 17:03	PB170067
206-44-0	Fluoranthene	2200		1	42.7	240	ug/Kg	10/13/25 17:03	PB170067
129-00-0	Pyrene	2000		1	51.2	240	ug/Kg	10/13/25 17:03	PB170067
85-68-7	Butylbenzylphthalate	2400		1	100	240	ug/Kg	10/13/25 17:03	PB170067
91-94-1	3,3-Dichlorobenzidine	1800		1	52.2	470	ug/Kg	10/13/25 17:03	PB170067
56-55-3	Benzo(a)anthracene	2500		1	32.7	240	ug/Kg	10/13/25 17:03	PB170067
218-01-9	Chrysene	2400		1	28.3	240	ug/Kg	10/13/25 17:03	PB170067
117-81-7	Bis(2-ethylhexyl)phthalate	2700		1	84.3	240	ug/Kg	10/13/25 17:03	PB170067
117-84-0	Di-n-octyl phthalate	3200		1	120	470	ug/Kg	10/13/25 17:03	PB170067
205-99-2	Benzo(b)fluoranthene	2200		1	27.0	240	ug/Kg	10/13/25 17:03	PB170067
207-08-9	Benzo(k)fluoranthene	2400		1	31.9	240	ug/Kg	10/13/25 17:03	PB170067
50-32-8	Benzo(a)pyrene	2600		1	42.0	240	ug/Kg	10/13/25 17:03	PB170067
193-39-5	Indeno(1,2,3-cd)pyrene	2500		1	41.4	240	ug/Kg	10/13/25 17:03	PB170067
53-70-3	Dibenzo(a,h)anthracene	2500		1	39.0	240	ug/Kg	10/13/25 17:03	PB170067
191-24-2	Benzo(g,h,i)perylene	2500		1	36.6	240	ug/Kg	10/13/25 17:03	PB170067
95-94-3	1,2,4,5-Tetrachlorobenzene	2500		1	36.4	240	ug/Kg	10/13/25 17:03	PB170067
123-91-1	1,4-Dioxane	2400		1	64.3	240	ug/Kg	10/13/25 17:03	PB170067
58-90-2	2,3,4,6-Tetrachlorophenol	2300		1	39.0	240	ug/Kg	10/13/25 17:03	PB170067
SURROGATES									
367-12-4	2-Fluorophenol	83.4			18 - 112	56%	SPK: 150		
13127-88-3	Phenol-d6	83.9			15 - 107	56%	SPK: 150		
4165-60-0	Nitrobenzene-d5	54.0			18 - 107	54%	SPK: 100		
321-60-8	2-Fluorobiphenyl	47.1			20 - 109	47%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	71.4			10 - 116	48%	SPK: 150		
1718-51-0	Terphenyl-d14	37.1			10 - 105	37%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	103000							
1146-65-2	Naphthalene-d8	399000							
15067-26-2	Acenaphthene-d10	212000							
1517-22-2	Phenanthrene-d10	318000							
1719-03-5	Chrysene-d12	214000							
1520-96-3	Perylene-d12	283000							

Raw Data: **BF143936.D**

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

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/09/25
Project:	Con Edison Richmond Terrace	Date Received:	10/09/25
Client Sample ID:	SED-04-0-2MSD	SDG No.:	Q3323
Lab Sample ID:	Q3323-04MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	70.2
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541 Prep Date: 10/13/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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\BF101325\
Data File : BF143936.D
Acq On : 13 Oct 2025 17:03
Operator : RC/JU
Sample : Q3323-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MSD

Quant Time: Oct 13 17:39:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	102854	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	398815	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	212407	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	318280	20.000	ng		0.00
76) Chrysene-d12	14.063	240	214097	20.000	ng		0.00
86) Perylene-d12	15.551	264	282828	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	540422	83.437	ng		0.00
7) Phenol-d6	6.510	99	647978	83.932	ng		0.00
23) Nitrobenzene-d5	7.445	82	354728	54.039	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	151046	71.396	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	630189	47.077	ng		-0.01
79) Terphenyl-d14	13.004	244	464819	37.105	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.705	88	151215	50.452	ng		96
3) Pyridine	3.463	79	421165	48.269	ng		98
4) n-Nitrosodimethylamine	3.410	42	238965	52.062	ng		91
6) Aniline	6.545	93	414633	35.841	ng		98
8) 2-Chlorophenol	6.669	128	325846	51.466	ng		99
9) Benzaldehyde	6.434	77	195569	32.838	ng		97
10) Phenol	6.522	94	467678m	50.670	ng		
11) bis(2-Chloroethyl)ether	6.616	93	367429	51.534	ng		99
12) 1,3-Dichlorobenzene	6.822	146	375984	49.611	ng		99
13) 1,4-Dichlorobenzene	6.898	146	381694	51.058	ng		99
14) 1,2-Dichlorobenzene	7.051	146	364379	50.887	ng		99
15) Benzyl Alcohol	7.022	79	309207	53.455	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	864228	53.251	ng		100
17) 2-Methylphenol	7.134	107	270014	51.604	ng		99
18) Hexachloroethane	7.398	117	124887	50.093	ng		94
19) n-Nitroso-di-n-propyla...	7.292	70	249991	47.306	ng		97
20) 3+4-Methylphenols	7.287	107	298254	49.182	ng	#	74
22) Acetophenone	7.292	105	455226	53.984	ng		98
24) Nitrobenzene	7.463	77	385154	52.835	ng		98
25) Isophorone	7.704	82	683614	49.390	ng		99
26) 2-Nitrophenol	7.781	139	184091	58.903	ng		98
27) 2,4-Dimethylphenol	7.816	122	311340	55.378	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	438565	50.160	ng		99
29) 2,4-Dichlorophenol	8.022	162	289467	49.429	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	301586	52.364	ng		98
31) Naphthalene	8.187	128	895629	49.368	ng		99
32) Benzoic acid	7.934	122	217053	55.784	ng		98
33) 4-Chloroaniline	8.234	127	150904	22.178	ng		99
34) Hexachlorobutadiene	8.304	225	194305	48.550	ng		98
35) Caprolactam	8.604	113	92548	49.703	ng		92
36) 4-Chloro-3-methylphenol	8.716	107	272863	48.507	ng		99
37) 2-Methylnaphthalene	8.881	142	534321	44.215	ng		100
38) 1-Methylnaphthalene	8.981	142	538142	45.909	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	314433	53.560	ng		99
41) Hexachlorocyclopentadiene	9.034	237	270425	111.035	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	208562	48.622	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143936.D
Acq On : 13 Oct 2025 17:03
Operator : RC/JU
Sample : Q3323-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MSD

Quant Time: Oct 13 17:39:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

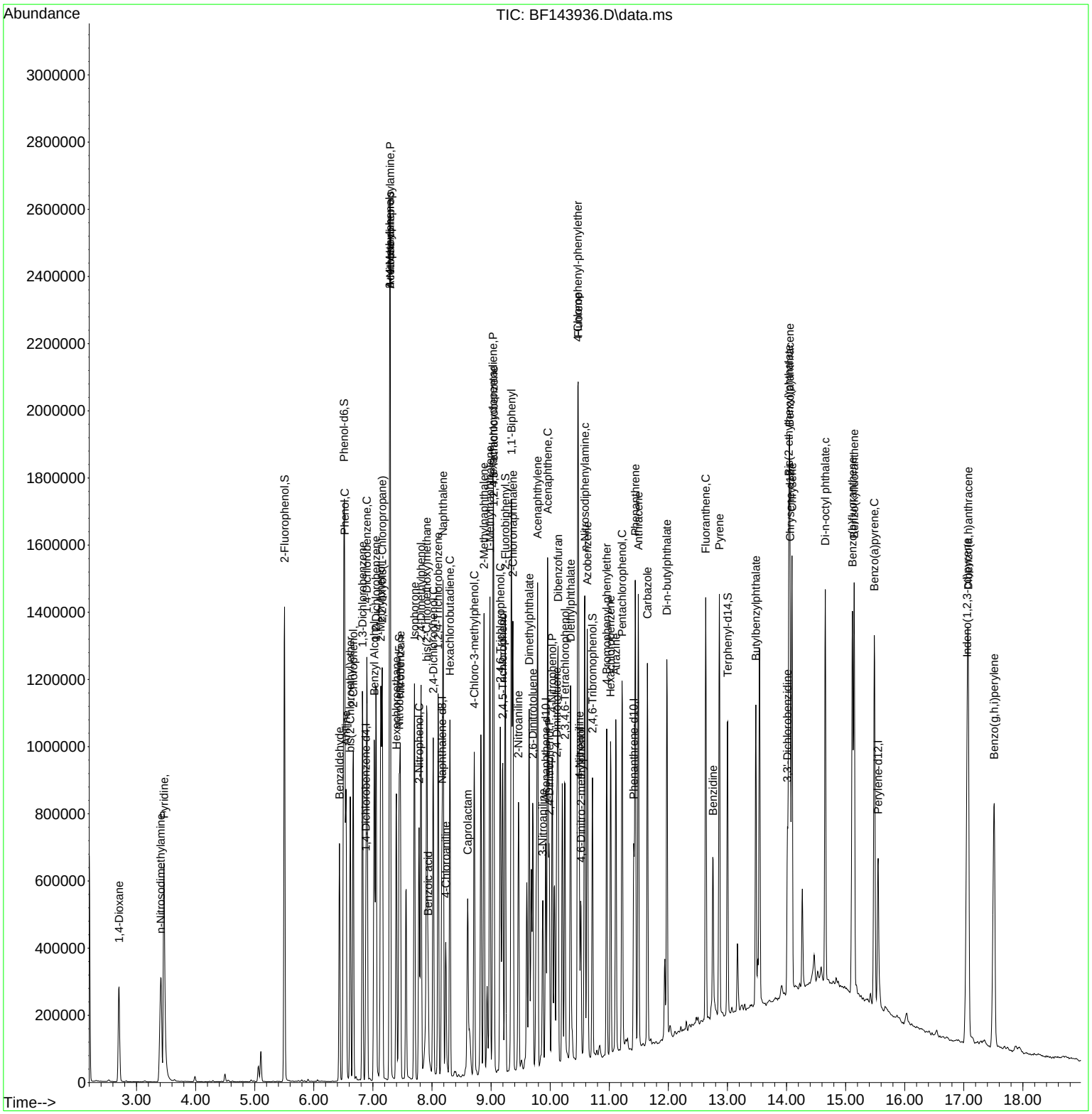
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.198	196	219992	48.532	ng		99
46)	1,1'-Biphenyl	9.345	154	750965	53.399	ng		99
47)	2-Chloronaphthalene	9.369	162	573659	48.925	ng		97
48)	2-Nitroaniline	9.463	65	198418	53.525	ng		98
49)	Acenaphthylene	9.786	152	891449	54.079	ng		100
50)	Dimethylphthalate	9.645	163	646285	47.913	ng		100
51)	2,6-Dinitrotoluene	9.704	165	145229	58.063	ng		99
52)	Acenaphthene	9.957	154	544027	50.366	ng		100
53)	3-Nitroaniline	9.875	138	103379	33.755	ng		100
54)	2,4-Dinitrophenol	9.986	184	129241	83.441	ng		92
55)	Dibenzofuran	10.133	168	717104	47.031	ng		98
56)	4-Nitrophenol	10.033	139	213285	91.976	ng		94
57)	2,4-Dinitrotoluene	10.110	165	185908	54.627	ng		98
58)	Fluorene	10.475	166	532091	46.248	ng		98
59)	2,3,4,6-Tetrachlorophenol	10.251	232	154193	48.054	ng		98
60)	Diethylphthalate	10.345	149	589961	47.079	ng		99
61)	4-Chlorophenyl-phenyle...	10.469	204	279036	45.873	ng		99
62)	4-Nitroaniline	10.492	138	135593	46.040	ng		94
63)	Azobenzene	10.628	77	678337	51.794	ng		98
65)	4,6-Dinitro-2-methylph...	10.522	198	94109	58.839	ng		93
66)	n-Nitrosodiphenylamine	10.586	169	534214	53.455	ng		98
67)	4-Bromophenyl-phenylether	10.957	248	174746	49.679	ng		97
68)	Hexachlorobenzene	11.022	284	199135	48.901	ng		98
69)	Atrazine	11.110	200	157552	52.014	ng		95
70)	Pentachlorophenol	11.216	266	211801	90.560	ng		98
71)	Phenanthrene	11.439	178	774037	50.163	ng		99
72)	Anthracene	11.492	178	751677	48.221	ng		98
73)	Carbazole	11.645	167	666309	48.262	ng		99
74)	Di-n-butylphthalate	11.975	149	806141	50.381	ng		99
75)	Fluoranthene	12.633	202	742601	46.592	ng		99
77)	Benzidine	12.757	184	310318	41.743	ng		99
78)	Pyrene	12.863	202	755659	42.336	ng		99
80)	Butylbenzylphthalate	13.480	149	291381	50.266	ng		98
81)	Benzo(a)anthracene	14.057	228	750807	53.588	ng		99
82)	3,3'-Dichlorobenzidine	14.016	252	163606	38.318	ng	#	95
83)	Chrysene	14.092	228	662977	51.127	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.039	149	396516	56.745	ng		99
85)	Di-n-octyl phthalate	14.657	149	780708	68.024	ng		99
87)	Indeno(1,2,3-cd)pyrene	17.057	276	918399	52.994	ng		99
88)	Benzo(b)fluoranthene	15.116	252	768529	47.304	ng		98
89)	Benzo(k)fluoranthene	15.145	252	753471	50.120	ng		99
90)	Benzo(a)pyrene	15.486	252	765812	54.362	ng		98
91)	Dibenzo(a,h)anthracene	17.074	278	730272	52.395	ng		97
92)	Benzo(g,h,i)perylene	17.515	276	741849	53.225	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
Data File : BF143936.D
Acq On : 13 Oct 2025 17:03
Operator : RC/JU
Sample : Q3323-04MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SED-04-0-2MSD

Quant Time: Oct 13 17:39:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BF100625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143876.D	Phenol	rahul	10/7/2025 9:06:31 AM	Jagrut	10/7/2025 11:32:03 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Benzoic acid	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC010	BF143877.D	Phenol	rahul	10/7/2025 9:06:33 AM	Jagrut	10/7/2025 11:32:06 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Benzoic acid	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICC020	BF143878.D	Phenol	rahul	10/7/2025 9:06:36 AM	Jagrut	10/7/2025 11:32:08 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Benzoic acid	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICCC040	BF143879.D	Phenol	rahul	10/7/2025 9:06:41 AM	Jagrut	10/7/2025 11:32:10 AM	Peak Integrated by Software
SSTDICC080	BF143882.D	Benzoic acid	rahul	10/7/2025 9:06:44 AM	Jagrut	10/7/2025 11:32:12 AM	Peak Integrated by Software
SSTDICV040	BF143883.D	Phenol	rahul	10/7/2025 9:06:46 AM	Jagrut	10/7/2025 11:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF101325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143931.D	Phenol	Jagrut	10/14/2025 2:57:52 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-04MS	BF143935.D	2,3,4,6-Tetrachlorophenol	Jagrut	10/14/2025 2:57:54 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-04MS	BF143935.D	Phenol	Jagrut	10/14/2025 2:57:54 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-04MSD	BF143936.D	Phenol	Jagrut	10/14/2025 2:57:57 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-01	BF143937.D	Pyrene	Jagrut	10/14/2025 2:57:59 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-02	BF143938.D	Benzo(a)anthracene	Jagrut	10/14/2025 2:58:01 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-02	BF143938.D	Benzo(b)fluoranthene	Jagrut	10/14/2025 2:58:01 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-03	BF143939.D	Benzo(b)fluoranthene	Jagrut	10/14/2025 2:58:04 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-03	BF143939.D	Pyrene	Jagrut	10/14/2025 2:58:04 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-05	BF143940.D	Benzo(b)fluoranthene	Jagrut	10/14/2025 2:58:06 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-05	BF143940.D	Benzo(k)fluoranthene	Jagrut	10/14/2025 2:58:06 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-06	BF143941.D	Benzo(b)fluoranthene	Jagrut	10/14/2025 2:58:08 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software
Q3323-06	BF143941.D	Benzo(k)fluoranthene	Jagrut	10/14/2025 2:58:08 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF101325	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3323-07	BF143942.D	Benzo(b)fluoranthene	Jagrut	10/14/2025 2:58:11 PM	mohammad	10/15/2025 4:43:31 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf101425	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143946.D	Phenol	Jagrut	10/14/2025 4:21:09 PM			Peak Integrated by Software
PB170067BS	BF143948.D	Benzoic acid	Jagrut	10/14/2025 4:21:06 PM			Peak Integrated by Software
PB170067BS	BF143948.D	Caprolactam	Jagrut	10/14/2025 4:21:06 PM			Peak Integrated by Software
PB170067BS	BF143948.D	Phenol	Jagrut	10/14/2025 4:21:06 PM			Peak Integrated by Software

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 # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM				
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM				
SubDirectory	BF100625	HP Acquire Method	BNA_F		HP Processing Method	bf100625	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143874.D	06 Oct 2025 09:30	RC/JU	Ok
2	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59	RC/JU	Ok
3	SSTDICC005	BF143876.D	06 Oct 2025 10:28	RC/JU	Ok,M
4	SSTDICC010	BF143877.D	06 Oct 2025 10:57	RC/JU	Ok,M
5	SSTDICC020	BF143878.D	06 Oct 2025 11:56	RC/JU	Ok,M
6	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	RC/JU	Ok,M
7	SSTDICC050	BF143880.D	06 Oct 2025 13:23	RC/JU	Ok
8	SSTDICC060	BF143881.D	06 Oct 2025 13:53	RC/JU	Ok
9	SSTDICC080	BF143882.D	06 Oct 2025 14:22	RC/JU	Ok,M
10	SSTDICV040	BF143883.D	06 Oct 2025 16:08	RC/JU	Ok,M
11	PB169953BL	BF143884.D	06 Oct 2025 16:38	RC/JU	Not Ok
12	PB169953BS	BF143885.D	06 Oct 2025 17:07	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101325

Review By	Jagrut	Review On	10/14/2025 3:00:39 PM				
Supervise By	mohammad	Supervise On	10/15/2025 4:43:31 AM				
SubDirectory	BF101325	HP Acquire Method	BNA_F			HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143930.D	13 Oct 2025 12:40	RC/JU	Ok
2	SSTDCCC040	BF143931.D	13 Oct 2025 14:32	RC/JU	Ok,M
3	PB170067BL	BF143932.D	13 Oct 2025 15:01	RC/JU	Ok
4	Q3326-01	BF143933.D	13 Oct 2025 15:35	RC/JU	Ok
5	Q3323-04	BF143934.D	13 Oct 2025 16:05	RC/JU	Ok
6	Q3323-04MS	BF143935.D	13 Oct 2025 16:33	RC/JU	Ok,M
7	Q3323-04MSD	BF143936.D	13 Oct 2025 17:03	RC/JU	Ok,M
8	Q3323-01	BF143937.D	13 Oct 2025 17:32	RC/JU	Ok,M
9	Q3323-02	BF143938.D	13 Oct 2025 18:00	RC/JU	Ok,M
10	Q3323-03	BF143939.D	13 Oct 2025 18:30	RC/JU	Ok,M
11	Q3323-05	BF143940.D	13 Oct 2025 18:58	RC/JU	Ok,M
12	Q3323-06	BF143941.D	13 Oct 2025 19:27	RC/JU	Ok,M
13	Q3323-07	BF143942.D	13 Oct 2025 19:56	RC/JU	Ok,M
14	Q3326-05	BF143943.D	13 Oct 2025 20:25	RC/JU	Ok,M
15	Q3327-01	BF143944.D	13 Oct 2025 20:54	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 # BF101425

Review By	Jagrut	Review On	10/14/2025 4:20:37 PM		
Supervise By		Supervise On			
SubDirectory	BF101425	HP Acquire Method	BNA_F	HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143945.D	14 Oct 2025 13:28	RC/JU	Ok
2	SSTDCCC040	BF143946.D	14 Oct 2025 13:57	RC/JU	Ok,NS
3	PB170067BL	BF143947.D	14 Oct 2025 14:25	RC/JU	Ok
4	PB170067BS	BF143948.D	14 Oct 2025 15:37	RC/JU	Ok,NS
5	PB170055BS	BF143949.D	14 Oct 2025 16:13	RC/JU	Ok,NS

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 # BF100625

Review By	Rahul	Review On	10/6/2025 4:17:39 PM		
Supervise By	Jagrut	Supervise On	10/7/2025 11:32:28 AM		
SubDirectory	BF100625	HP Acquire Method	BNA_F	HP Processing Method	bf100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143874.D	06 Oct 2025 09:30		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143875.D	06 Oct 2025 09:59		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143876.D	06 Oct 2025 10:28		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143877.D	06 Oct 2025 10:57		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143878.D	06 Oct 2025 11:56		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143879.D	06 Oct 2025 12:54	compound #54 kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143880.D	06 Oct 2025 13:23		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF143881.D	06 Oct 2025 13:53		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF143882.D	06 Oct 2025 14:22	Compound #45 & #77 removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBF100625	BF143883.D	06 Oct 2025 16:08		RC/JU	Ok,M
11	PB169953BL	PB169953BL	BF143884.D	06 Oct 2025 16:38	Surrogate Fail	RC/JU	Not Ok
12	PB169953BS	PB169953BS	BF143885.D	06 Oct 2025 17:07	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF101325

Review By	Jagrut	Review On	10/14/2025 3:00:39 PM				
Supervise By	mohammad	Supervise On	10/15/2025 4:43:31 AM				
SubDirectory	BF101325	HP Acquire Method	BNA_F	HP Processing Method	BF100625		

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143930.D	13 Oct 2025 12:40		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143931.D	13 Oct 2025 14:32	CCAL failed high for comp. #84,85	RC/JU	Ok,M
3	PB170067BL	PB170067BL	BF143932.D	13 Oct 2025 15:01		RC/JU	Ok
4	Q3326-01	TP-1	BF143933.D	13 Oct 2025 15:35		RC/JU	Ok
5	Q3323-04	SED-04-0-2	BF143934.D	13 Oct 2025 16:05		RC/JU	Ok
6	Q3323-04MS	SED-04-0-2MS	BF143935.D	13 Oct 2025 16:33		RC/JU	Ok,M
7	Q3323-04MSD	SED-04-0-2MSD	BF143936.D	13 Oct 2025 17:03		RC/JU	Ok,M
8	Q3323-01	SED-01-0-2	BF143937.D	13 Oct 2025 17:32		RC/JU	Ok,M
9	Q3323-02	SED-02-0-2	BF143938.D	13 Oct 2025 18:00		RC/JU	Ok,M
10	Q3323-03	SED-03-0-2	BF143939.D	13 Oct 2025 18:30		RC/JU	Ok,M
11	Q3323-05	SED-05-0-2	BF143940.D	13 Oct 2025 18:58		RC/JU	Ok,M
12	Q3323-06	SED-06-0-2	BF143941.D	13 Oct 2025 19:27		RC/JU	Ok,M
13	Q3323-07	SED-07-0-2	BF143942.D	13 Oct 2025 19:56		RC/JU	Ok,M
14	Q3326-05	TP-2	BF143943.D	13 Oct 2025 20:25		RC/JU	Ok,M
15	Q3327-01	HADLEY-ROAD-TP	BF143944.D	13 Oct 2025 20:54		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 # BF101425

Review By	Jagrut	Review On	10/14/2025 4:20:37 PM		
Supervise By		Supervise On			
SubDirectory	BF101425	HP Acquire Method	BNA_F	HP Processing Method	BF100625

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13178,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143945.D	14 Oct 2025 13:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143946.D	14 Oct 2025 13:57		RC/JU	Ok,NS
3	PB170067BL	PB170067BL	BF143947.D	14 Oct 2025 14:25		RC/JU	Ok
4	PB170067BS	PB170067BS	BF143948.D	14 Oct 2025 15:37		RC/JU	Ok,NS
5	PB170055BS	PB170055BS	BF143949.D	14 Oct 2025 16:13		RC/JU	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137490

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
Q3323-01	SED-01-0-2	1	1.15	10.84	11.99	8.39	66.8	
Q3323-02	SED-02-0-2	2	1.19	10.07	11.26	6.96	57.3	
Q3323-03	SED-03-0-2	3	1.19	10.97	12.16	9.05	71.6	
Q3323-04	SED-04-0-2	4	1.13	11.34	12.47	9.09	70.2	
Q3323-05	SED-05-0-2	5	1.19	10.26	11.45	9.13	77.4	
Q3323-06	SED-06-0-2	6	1.13	10.78	11.91	9.84	80.8	
Q3323-07	SED-07-0-2	7	1.14	10.46	11.6	9.63	81.2	
Q3325-01	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q3325-02	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q3325-03	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q3325-04	SVOC-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q3325-05	PEST-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q3325-06	PEST -GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q3326-01	TP-1	14	1.14	10.71	11.85	10.6	88.3	
Q3326-02	TP-1-EPH	15	1.16	10.31	11.47	10.28	88.5	
Q3326-03	TP-1-VOC	16	1.18	11.20	12.38	11.12	88.7	
Q3326-05	TP-2	17	1.11	10.49	11.6	10.35	88.1	
Q3326-06	TP-2-EPH	18	1.19	10.53	11.72	10.64	89.7	
Q3326-07	TP-2-VOC	19	1.14	10.84	11.98	10.86	89.7	
Q3327-01	HADLEY-ROAD-TP	20	1.15	10.77	11.92	10.65	88.2	
Q3329-01	106	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3332-01	100225-D	22	1.16	10.32	11.48	10.41	89.6	
Q3333-01	100725-A	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3334-01	100325	24	1.00	1.00	2.00	2.00	100.0	debris

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

WORKLIST(Hardcopy Internal Chain)

VB B74490

WorkList Name : %1-101025 **WorkList ID :** 192391 **Department :** Wet-Chemistry **Date :** 10-10-2025 10:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3323-01	SED-01-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-02	SED-02-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-03	SED-03-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-04	SED-04-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-05	SED-05-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-06	SED-06-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-07	SED-07-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3325-01	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3325-02	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-03	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-04	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-05	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-06	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3326-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-05	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-06	TP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-07	TP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3327-01	HADLEY-ROAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3329-01	106	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO

Date/Time 10/10/25 15:20

Raw Sample Received by: SB WC

Raw Sample Relinquished by: SM

Date/Time 10/10/25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: SB WC

WORKLIST(Hardcopy Internal Chain)

VM 137490

WorkList Name : %1-101025 **WorkList ID :** 192391 **Department :** Wet-Chemistry **Date :** 10-10-2025 10:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3332-01	100225-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/10/2025	Chemtech -SO
Q3333-01	100725-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	10/10/2025	Chemtech -SO
Q3334-01	100325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO

Date/Time 10/10/25 15:20
Raw Sample Received by:
Raw Sample Relinquished by:

Date/Time 10/10/25 17:30
Raw Sample Received by:
Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170067

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/13/2025
Matrix :	Solid			**Extraction Start Time :**	09:35
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/13/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	1.0ML	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	EP2641
Baked Na2SO4	N/A	EP2652
Methylene Chloride	N/A	E3973
Sand	N/A	E3951
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 Vial Lot # 2210443.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/13/25	RS (Ext lab)	JY / SVOC
13:00	**Preparation Group**	**Analysis Group**

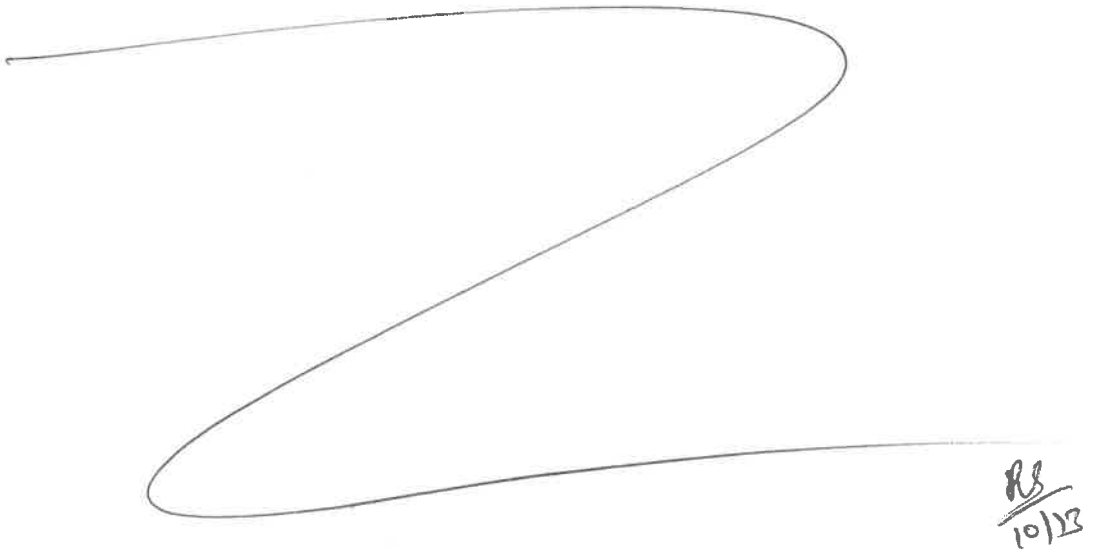
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170067

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 10/13/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170067BL	SBLK067	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U4-1
PB170067BS	SLCS067	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3323-01	SED-01-0-2	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3
Q3323-02	SED-02-0-2	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4
Q3323-03	SED-03-0-2	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q3323-04	SED-04-0-2	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
Q3323-04MS	SED-04-0-2MS	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U6-1
Q3323-04MSD	SED-04-0-2MSD	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q3323-05	SED-05-0-2	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q3323-06	SED-06-0-2	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q3323-07	SED-07-0-2	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q3326-01	TP-1	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		6
Q3326-05	TP-2	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	B		U1-1
Q3327-01	HADLEY-ROAD	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	H		2



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

17006 9:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3326 **WorkList ID :** 192409 **Department :** Extraction **Date :** 10-13-2025 08:32:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3323-01	SED-01-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-02	SED-02-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-03	SED-03-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-04	SED-04-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-05	SED-05-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-06	SED-06-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3323-07	SED-07-0-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/09/2025	8270E
Q3326-01	TP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/10/2025	8270E
Q3326-05	TP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/10/2025	8270E
Q3327-01	HADLEY-ROAD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/10/2025	8270E

Date/Time 10/13/25 9:30
Raw Sample Received by: RJ (EZL-web)
Raw Sample Relinquished by: SM

Date/Time 10/13/25 09:45
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EZL-web)

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. Q3323
COC Number 2045161

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION:
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION: Staten Island
PROJECT MANAGER: Gregory DelMastro
e-mail: gdelmastro@langan.com
PHONE: 914-323-7414 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 21 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. VOCs (8260)
2. SVOCs (8270)
3. PCBs (8082A)
4. TAL Metals (6000/7000)
5. Pesticides (8081)
6.
7.
8.
9.

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
1.	SED-01_0-2	S	X	X	10/9	8:45	6	X	X	X	X	X				
2.	SED-02_0-2	S	X			9:15	6	X	X	X	X	X				
3.	SED-03_0-2	S	X			9:30	6	X	X	X	X	X				
4.	SED-04_0-2	S	X			10:30	6	X	X	X	X	X				
5.	SED-05_0-2	S	X			11:00	6	X	X	X	X	X	X			
6.	SED-06_0-2	S	X			11:30	6	X	X	X	X	X				
7.	SED-07_0-2	S	X			12:00	6	X	X	X	X	X				
8.																
9.																
10.																

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

	DATE/TIME		
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 1430 10/9/25	RECEIVED BY: 1.	1430 10-9-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 2044 10-9-25	RECEIVED BY: 3.	

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

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3323 LANG01
Client Name : Langan Engineering and En
Client Contact : Gregory DelMastro
Invoice Name : Langan Engineering and En
Invoice Contact : Gregory DelMastro

Order Date : 10/9/2025 2:32:00 PM
Project Name : Con Edison Richmond Terr
Receive DateTime : 10/9/2025 ~~12:00:00~~ AM
Purchase Order : 20 44

Project Mgr : Results only
Report Type : ~~Results Only~~ [illegible]
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3323-01	SED-01-0-2	Solid	10/09/2025	08:45					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	10 Days
Q3323-02	SED-02-0-2	Solid	10/09/2025	09:15					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	
Q3323-03	SED-03-0-2	Solid	10/09/2025	09:30					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	
Q3323-04	SED-04-0-2	Solid	10/09/2025	10:30					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	
Q3323-05	SED-05-0-2	Solid	10/09/2025	11:00					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	
Q3323-06	SED-06-0-2	Solid	10/09/2025	11:30					
					VOC-TCLVOA-10		8260D	~~10~~ Bus. Days	
Q3323-07	SED-07-0-2	Solid	10/09/2025	12:00					
					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 :	Q3323 LANG01	**Order Date :**	10/9/2025 2:32:00 PM	**Project Mgr :**	
Client Name :	Langan Engineering and En	**Project Name :**	Con Edison Richmond Terr	**Report Type :**	Results Only
Client Contact :	Gregory DelMastro	**Receive DateTime :**	10/9/2025 ~~12:00:00 AM~~ 20:44	**EDD Type :**	Excel NY
Invoice Name :	Langan Engineering and En	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Gregory DelMastro			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : CR

Date / Time : 10/10/25 11:10

Received By : JL

Date / Time : 10/10/25 1110

Storage Area : VOA Refridgerator Room