

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 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

LAB CHRONICLE

OrderID:	Q3310	OrderDate:	10/8/2025 1:24:21 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
Q3310-01	SS-01-0-1	SOIL	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-02	SS-01-1-2	SOIL	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25
Q3310-03	SS-01-2-3	SOIL	SVOC-TCL BNA -20	8270E	10/07/25	10/10/25	10/10/25	10/08/25

Hit Summary Sheet SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-01-0-1								
Q3310-01	SS-01-0-1	SOIL	Naphthalene	180.000	J	34.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Acenaphthene	220.000	J	32.6	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Dibenzofuran	150.000	J	34.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Fluorene	160.000	J	38.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Phenanthrene	1,800.000		32	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Anthracene	470.000		50.9	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Carbazole	310.000		47.7	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Fluoranthene	2,200.000		45.9	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Pyrene	1,300.000		55.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(a)anthracene	1,000.000		35.2	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Chrysene	850.000		30.4	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(b)fluoranthene	1,200.000		29.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(k)fluoranthene	380.000		34.3	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(a)pyrene	800.000		45.1	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Indeno(1,2,3-cd)pyrene	310.000		44.5	260	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo(g,h,i)perylene	360.000		39.3	260	ug/Kg
Total Svoc :				11,690.00				
Q3310-01	SS-01-0-1	SOIL	9H-Fluoren-9-one	*	130.000	J	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzo[e]pyrene	*	440.000	J	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Benzophenone	*	350.000	J	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Dibenzothiophene	*	110.000	J	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	n-Hexadecanoic acid	*	980.000	J	0	ug/Kg
Q3310-01	SS-01-0-1	SOIL	Pentadecanoic acid	*	200.000	J	0	ug/Kg
Total Tics :				2,210.00				
Total Concentration:				13,900.00				
Client ID : SS-01-1-2								
Q3310-02	SS-01-1-2	SOIL	Phenanthrene	550.000		28.8	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Anthracene	150.000	J	45.9	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Fluoranthene	750.000		41.3	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Pyrene	470.000		49.6	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(a)anthracene	380.000		31.7	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Chrysene	300.000		27.4	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(b)fluoranthene	390.000		26.2	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(k)fluoranthene	150.000	J	30.9	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(a)pyrene	320.000		40.7	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Indeno(1,2,3-cd)pyrene	140.000	J	40.1	230	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Benzo(g,h,i)perylene	170.000	J	35.4	230	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	3,770.00				
Q3310-02	SS-01-1-2	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3310-02	SS-01-1-2	SOIL	n-Hexadecanoic acid	*	920.000	J 0	0	ug/Kg
Q3310-02	SS-01-1-2	SOIL	Octadecanoic acid	*	490.000	J 0	0	ug/Kg
			Total Tics :	1,700.00				
			Total Concentration:	5,470.00				
Client ID : SS-01-2-3								
Q3310-03	SS-01-2-3	SOIL	Fluoranthene		150.000	J 39.9	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Pyrene		120.000	J 47.9	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Chrysene		98.200	J 26.5	230	ug/Kg
Q3310-03	SS-01-2-3	SOIL	Benzo(b)fluoranthene		93.700	J 25.3	230	ug/Kg
			Total Svoc :	461.90				
Q3310-03	SS-01-2-3	SOIL	Benzophenone	*	290.000	J 0	0	ug/Kg
Q3310-03	SS-01-2-3	SOIL	n-Hexadecanoic acid	*	360.000	J 0	0	ug/Kg
			Total Tics :	650.00				
			Total Concentration:	1,111.90				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3310

Client: Langan Engineering and Environmental Services, Inc

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170055BL	PB170055BL	2-Fluorophenol	150	130	87		18	112
		Phenol-d6	150	127	84		15	107
		Nitrobenzene-d5	100	94.6	95		18	107
		2-Fluorobiphenyl	100	84.2	84		20	109
		2,4,6-Tribromophenol	150	152	101		10	116
		Terphenyl-d14	100	88.1	88		10	105
PB170055BS	PB170055BS	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	116	77		15	107
		Nitrobenzene-d5	100	86.6	87		18	107
		2-Fluorobiphenyl	100	77.2	77		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	93.4	93		10	105
Q3310-01	SS-01-0-1	2-Fluorophenol	150	81.7	54		18	112
		Phenol-d6	150	79.8	53		15	107
		Nitrobenzene-d5	100	57.0	57		18	107
		2-Fluorobiphenyl	100	48.9	49		20	109
		2,4,6-Tribromophenol	150	68.8	46		10	116
		Terphenyl-d14	100	34.7	35		10	105
Q3310-01MS	SS-01-0-1MS	2-Fluorophenol	150	84.5	56		18	112
		Phenol-d6	150	84.2	56		15	107
		Nitrobenzene-d5	100	59.4	59		18	107
		2-Fluorobiphenyl	100	50.0	50		20	109
		2,4,6-Tribromophenol	150	71.0	47		10	116
		Terphenyl-d14	100	37.8	38		10	105
Q3310-01MSD	SS-01-0-1MSD	2-Fluorophenol	150	81.9	55		18	112
		Phenol-d6	150	80.9	54		15	107
		Nitrobenzene-d5	100	57.4	57		18	107
		2-Fluorobiphenyl	100	49.4	49		20	109
		2,4,6-Tribromophenol	150	66.1	44		10	116
		Terphenyl-d14	100	35.9	36		10	105
Q3310-02	SS-01-1-2	2-Fluorophenol	150	78.4	52		18	112
		Phenol-d6	150	75.7	50		15	107
		Nitrobenzene-d5	100	55.3	55		18	107
		2-Fluorobiphenyl	100	50.3	50		20	109
		2,4,6-Tribromophenol	150	68.9	46		10	116
		Terphenyl-d14	100	37.7	38		10	105
Q3310-03	SS-01-2-3	2-Fluorophenol	150	78.0	52		18	112
		Phenol-d6	150	74.7	50		15	107
		Nitrobenzene-d5	100	55.1	55		18	107
		2-Fluorobiphenyl	100	50.4	50		20	109
		2,4,6-Tribromophenol	150	65.0	43		10	116
		Terphenyl-d14	100	38.9	39		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-01MS	Client Sample ID:	SS-01-0-1MS								
Benzaldehyde	2500	0	1600	ug/Kg	64				10	171	
Phenol	2500	0	2500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	2500	0	2400	ug/Kg	96				54	125	
2-Chlorophenol	2500	0	2400	ug/Kg	96				51	121	
2-Methylphenol	2500	0	2400	ug/Kg	96				47	125	
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96				46	119	
Acetophenone	2500	0	2600	ug/Kg	104				55	128	
3+4-Methylphenols	2500	0	2300	ug/Kg	92				49	125	
N-Nitroso-di-n-propylamine	2500	0	2300	ug/Kg	92				59	119	
Hexachloroethane	2500	0	2300	ug/Kg	92				51	116	
Nitrobenzene	2500	0	2600	ug/Kg	104				47	124	
Isophorone	2500	0	2400	ug/Kg	96				49	127	
2-Nitrophenol	2500	0	2700	ug/Kg	108				43	131	
2,4-Dimethylphenol	2500	0	2700	ug/Kg	108				63	151	
bis(2-Chloroethoxy)methane	2500	0	2500	ug/Kg	100				51	119	
2,4-Dichlorophenol	2500	0	2400	ug/Kg	96				50	122	
Naphthalene	2500	180	2500	ug/Kg	93				51	121	
4-Chloroaniline	2500	0	870	ug/Kg	35				10	100	
Hexachlorobutadiene	2500	0	2300	ug/Kg	92				44	126	
Caprolactam	2500	0	2500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2500	0	2300	ug/Kg	92				57	132	
2-Methylnaphthalene	2500	0	2200	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	5100	0	2700	ug/Kg	53				10	175	
2,4,6-Trichlorophenol	2500	0	2500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	2500	0	2400	ug/Kg	96				38	135	
1,1-Biphenyl	2500	0	2800	ug/Kg	112				55	131	
2-Chloronaphthalene	2500	0	2500	ug/Kg	100				48	124	
2-Nitroaniline	2500	0	2800	ug/Kg	112				47	134	
Dimethylphthalate	2500	0	2600	ug/Kg	104				54	120	
Acenaphthylene	2500	0	2800	ug/Kg	112				57	125	
2,6-Dinitrotoluene	2500	0	2900	ug/Kg	116				48	127	
3-Nitroaniline	2500	0	1800	ug/Kg	72				10	112	
Acenaphthene	2500	220	2400	ug/Kg	87				70	121	
2,4-Dinitrophenol	5100	0	1100	ug/Kg	22				10	155	
4-Nitrophenol	5100	0	4500	ug/Kg	88				10	175	
Dibenzofuran	2500	150	2500	ug/Kg	94				52	114	
2,4-Dinitrotoluene	2500	0	2700	ug/Kg	108				41	140	
Diethylphthalate	2500	0	2500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92				48	122	
Fluorene	2500	160	2400	ug/Kg	90				53	118	
4-Nitroaniline	2500	0	2100	ug/Kg	84				29	140	
4,6-Dinitro-2-methylphenol	2500	0	700	ug/Kg	28				10	160	
N-Nitrosodiphenylamine	2500	0	2700	ug/Kg	108				73	118	
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104				65	121	
Hexachlorobenzene	2500	0	2400	ug/Kg	96				67	118	
Atrazine	2500	0	2700	ug/Kg	108				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143928.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	5100	0	4900	ug/Kg	96				13	153	
Phenanthrene	2500	1800	3800	ug/Kg	80				52	128	
Anthracene	2500	470	2800	ug/Kg	93				62	124	
Carbazole	2500	310	2800	ug/Kg	100				59	119	
Di-n-butylphthalate	2500	0	2700	ug/Kg	108				55	125	
Fluoranthene	2500	2200	4400	ug/Kg	88				44	125	
Pyrene	2500	1300	3100	ug/Kg	72				37	122	
Butylbenzylphthalate	2500	0	2700	ug/Kg	108				44	135	
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96				15	112	
Benzo(a)anthracene	2500	1000	3500	ug/Kg	100				53	119	
Chrysene	2500	850	3300	ug/Kg	98				57	121	
bis(2-Ethylhexyl)phthalate	2500	0	3000	ug/Kg	120				42	169	
Di-n-octyl phthalate	2500	0	3300	ug/Kg	132				51	156	
Benzo(b)fluoranthene	2500	1200	4000	ug/Kg	112				52	117	
Benzo(k)fluoranthene	2500	380	2800	ug/Kg	97				57	134	
Benzo(a)pyrene	2500	800	3400	ug/Kg	104				70	142	
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76				40	129	
Dibenz(a,h)anthracene	2500	0	2000	ug/Kg	80				43	123	
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74				24	125	
1,2,4,5-Tetrachlorobenzene	2500	0	2900	ug/Kg	116				52	134	
1,4-Dioxane	2500	0	2200	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	2500	0	2400	ug/Kg	96				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q3310-01MSD	Client Sample ID:	SS-01-0-1MSD								
Benzaldehyde	2500	0	1500	ug/Kg	60		6		10	171	20
Phenol	2500	0	2400	ug/Kg	96		4		51	122	20
bis(2-Chloroethyl)ether	2500	0	2300	ug/Kg	92		4		54	125	20
2-Chlorophenol	2500	0	2300	ug/Kg	92		4		51	121	20
2-Methylphenol	2500	0	2300	ug/Kg	92		4		47	125	20
2,2-oxybis(1-Chloropropane)	2500	0	2400	ug/Kg	96		0		46	119	20
Acetophenone	2500	0	2500	ug/Kg	100		4		55	128	20
3+4-Methylphenols	2500	0	2200	ug/Kg	88		4		49	125	20
N-Nitroso-di-n-propylamine	2500	0	2200	ug/Kg	88		4		59	119	20
Hexachloroethane	2500	0	2200	ug/Kg	88		4		51	116	20
Nitrobenzene	2500	0	2500	ug/Kg	100		4		47	124	20
Isophorone	2500	0	2400	ug/Kg	96		0		49	127	20
2-Nitrophenol	2500	0	2600	ug/Kg	104		4		43	131	20
2,4-Dimethylphenol	2500	0	2600	ug/Kg	104		4		63	151	20
bis(2-Chloroethoxy)methane	2500	0	2300	ug/Kg	92		8		51	119	20
2,4-Dichlorophenol	2500	0	2300	ug/Kg	92		4		50	122	20
Naphthalene	2500	180	2400	ug/Kg	89		4		51	121	20
4-Chloroaniline	2500	0	900	ug/Kg	36		3		10	100	20
Hexachlorobutadiene	2500	0	2300	ug/Kg	92		0		44	126	20
Caprolactam	2500	0	2300	ug/Kg	92		8		51	134	20
4-Chloro-3-methylphenol	2500	0	2200	ug/Kg	88		4		57	132	20
2-Methylnaphthalene	2500	0	2100	ug/Kg	84		5		59	123	20
Hexachlorocyclopentadiene	5100	0	2200	ug/Kg	43		21	*	10	175	20
2,4,6-Trichlorophenol	2500	0	2400	ug/Kg	96		4		33	141	20
2,4,5-Trichlorophenol	2500	0	2300	ug/Kg	92		4		38	135	20
1,1-Biphenyl	2500	0	2800	ug/Kg	112		0		55	131	20
2-Chloronaphthalene	2500	0	2400	ug/Kg	96		4		48	124	20
2-Nitroaniline	2500	0	2800	ug/Kg	112		0		47	134	20
Dimethylphthalate	2500	0	2500	ug/Kg	100		4		54	120	20
Acenaphthylene	2500	0	2700	ug/Kg	108		4		57	125	20
2,6-Dinitrotoluene	2500	0	2800	ug/Kg	112		4		48	127	20
3-Nitroaniline	2500	0	1900	ug/Kg	76		5		10	112	20
Acenaphthene	2500	220	2300	ug/Kg	83		5		70	121	20
2,4-Dinitrophenol	5100	0	720	ug/Kg	14		44	*	10	155	20
4-Nitrophenol	5100	0	4200	ug/Kg	82		7		10	175	20
Dibenzofuran	2500	150	2400	ug/Kg	90		4		52	114	20
2,4-Dinitrotoluene	2500	0	2600	ug/Kg	104		4		41	140	20
Diethylphthalate	2500	0	2400	ug/Kg	96		4		51	119	20
4-Chlorophenyl-phenylether	2500	0	2300	ug/Kg	92		0		48	122	20
Fluorene	2500	160	2300	ug/Kg	86		5		53	118	20
4-Nitroaniline	2500	0	2000	ug/Kg	80		5		29	140	20
4,6-Dinitro-2-methylphenol	2500	0	420	ug/Kg	17		49	*	10	160	20
N-Nitrosodiphenylamine	2500	0	2800	ug/Kg	112		4		73	118	20
4-Bromophenyl-phenylether	2500	0	2600	ug/Kg	104		0		65	121	20
Hexachlorobenzene	2500	0	2400	ug/Kg	96		0		67	118	20
Atrazine	2500	0	2600	ug/Kg	104		4		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method: SW8270E

Client: Langan Engineering and Environmental

DataFile: BF143929.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	5100	0	4700	ug/Kg	92		4		13	153	20
Phenanthrene	2500	1800	3900	ug/Kg	84		5		52	128	20
Anthracene	2500	470	2800	ug/Kg	93		0		62	124	20
Carbazole	2500	310	2800	ug/Kg	100		0		59	119	20
Di-n-butylphthalate	2500	0	2700	ug/Kg	108		0		55	125	20
Fluoranthene	2500	2200	4400	ug/Kg	88		0		44	125	20
Pyrene	2500	1300	3000	ug/Kg	68		6		37	122	20
Butylbenzylphthalate	2500	0	2600	ug/Kg	104		4		44	135	20
3,3-Dichlorobenzidine	2500	0	2400	ug/Kg	96		0		15	112	20
Benzo(a)anthracene	2500	1000	3400	ug/Kg	96		4		53	119	20
Chrysene	2500	850	3200	ug/Kg	94		4		57	121	20
bis(2-Ethylhexyl)phthalate	2500	0	2900	ug/Kg	116		3		42	169	20
Di-n-octyl phthalate	2500	0	3200	ug/Kg	128		3		51	156	20
Benzo(b)fluoranthene	2500	1200	3500	ug/Kg	92		20		52	117	20
Benzo(k)fluoranthene	2500	380	2700	ug/Kg	93		4		57	134	20
Benzo(a)pyrene	2500	800	3300	ug/Kg	100		4		70	142	20
Indeno(1,2,3-cd)pyrene	2500	310	2200	ug/Kg	76		0		40	129	20
Dibenz(a,h)anthracene	2500	0	1900	ug/Kg	76		5		43	123	20
Benzo(g,h,i)perylene	2500	360	2200	ug/Kg	74		0		24	125	20
1,2,4,5-Tetrachlorobenzene	2500	0	2800	ug/Kg	112		4		52	134	20
1,4-Dioxane	2500	0	2200	ug/Kg	88		0		46	112	20
2,3,4,6-Tetrachlorophenol	2500	0	2200	ug/Kg	88		9		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method:

8270E

Client: Langan Engineering and Environmental Services, In

DataFile:

BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170055BS	Benzaldehyde	1700	950	ug/Kg	56				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	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	710	ug/Kg	42				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	3600	ug/Kg	109				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				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	2900	ug/Kg	88				37	128	
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				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	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3310

Analytical Method:

8270E

Client: Langan Engineering and Environmental Services, In

DataFile:

BF143949.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170055BS	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	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				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	850	ug/Kg	50				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170055BL

Lab Name: Alliance

Contract: LANG01

Lab Code: ACE

SDG NO.: Q3310

Lab File ID: BF143921.D

Lab Sample ID: PB170055BL

Instrument ID: BNA_F

Date Extracted: 10/10/2025

Matrix: (soil/water) SOIL

Date Analyzed: 10/10/2025

Level: (low/med) LOW

Time Analyzed: 13:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SS-01-0-1	Q3310-01	BF143927.D	10/10/2025
SS-01-1-2	Q3310-02	BF143923.D	10/10/2025
SS-01-2-3	Q3310-03	BF143924.D	10/10/2025
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025
PB170055BS	PB170055BS	BF143949.D	10/14/2025

COMMENTS: _____



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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143874.D
Instrument ID: BNA_F

Contract: LANG01
SDG NO.: Q3310
DFTPP Injection Date: 10/06/2025
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



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143919.D
Instrument ID: BNA_F

Contract: LANG01
SDG NO.: Q3310
DFTPP Injection Date: 10/10/2025
DFTPP Injection Time: 11:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.2
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.3
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (18.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143920.D	10/10/2025	12:32
PB170055BL	PB170055BL	BF143921.D	10/10/2025	13:24
SS-01-1-2	Q3310-02	BF143923.D	10/10/2025	14:26
SS-01-2-3	Q3310-03	BF143924.D	10/10/2025	14:54
SS-01-0-1	Q3310-01	BF143927.D	10/10/2025	16:20
SS-01-0-1MS	Q3310-01MS	BF143928.D	10/10/2025	16:49
SS-01-0-1MSD	Q3310-01MSD	BF143929.D	10/10/2025	17:18



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BF143945.D
Instrument ID: BNA_F

Contract: LANG01
SDG NO.: Q3310
DFTPP Injection Date: 10/14/2025
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
PB170055BS	PB170055BS	BF143949.D	10/14/2025	16:13

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3310

Client ID : SSTDCCC040

Date Analyzed: 10/10/2025

Lab File ID: BF143920.D

Time Analyzed: 12:32

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	114205	6.881	454258	8.17	244959	9.92
UPPER LIMIT	228410	7.381	908516	8.669	489918	10.422
LOWER LIMIT	57102.5	6.381	227129	7.669	122480	9.422
EPA SAMPLE NO.						
01 PB170055BL	136492	6.88	545950	8.16	298735	9.92
02 SS-01-0-1	118134	6.88	439825	8.16	215736	9.92
03 SS-01-0-1MS	113164	6.89	420905	8.17	206322	9.93
04 SS-01-0-1MSD	118400	6.88	432037	8.17	206418	9.93
05 SS-01-1-2	110739	6.88	410150	8.16	209594	9.92
06 SS-01-2-3	113732	6.88	428776	8.16	223841	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3310

Client ID: SSTDCCC040

Date Analyzed: 10/10/2025

Lab File ID: BF143920.D

Time Analyzed: 12:32

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	425799	11.416	235995	14.063	249897	15.539
UPPER LIMIT	851598	11.916	471990	14.563	499794	16.039
LOWER LIMIT	212900	10.916	117998	13.563	124949	15.039
EPA SAMPLE NO.						
01 PB170055BL	543488	11.41	387902	14.06	313224	15.54
02 SS-01-0-1	320645	11.41	271231	14.06	260591	15.55
03 SS-01-0-1MS	308746	11.42	255306	14.07	243905	15.55
04 SS-01-0-1MSD	294129	11.42	250086	14.07	234027	15.55
05 SS-01-1-2	320160	11.41	259025	14.06	301506	15.55
06 SS-01-2-3	349222	11.41	243012	14.06	304396	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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3310

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 PB170055BS	118783	6.88	465023	8.16	256823	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3310

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)

01

	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.						
PB170055BS	433771	11.42	247361	14.06	229733	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

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-0-1
 Lab Sample ID: Q3310-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 65.3
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	240	U	1	240	500	ug/Kg	10/10/25 16:20	PB170055
108-95-2	Phenol	33.8	U	1	33.8	260	ug/Kg	10/10/25 16:20	PB170055
111-44-4	bis(2-Chloroethyl)ether	37.2	U	1	37.2	260	ug/Kg	10/10/25 16:20	PB170055
95-57-8	2-Chlorophenol	37.3	U	1	37.3	260	ug/Kg	10/10/25 16:20	PB170055
95-48-7	2-Methylphenol	45.7	U	1	45.7	260	ug/Kg	10/10/25 16:20	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	57.4	U	1	57.4	260	ug/Kg	10/10/25 16:20	PB170055
98-86-2	Acetophenone	45.1	U	1	45.1	260	ug/Kg	10/10/25 16:20	PB170055
65794-96-9	3+4-Methylphenols	62.9	U	1	62.9	500	ug/Kg	10/10/25 16:20	PB170055
621-64-7	n-Nitroso-di-n-propylamine	72.5	U	1	72.5	120	ug/Kg	10/10/25 16:20	PB170055
67-72-1	Hexachloroethane	26.9	U	1	26.9	260	ug/Kg	10/10/25 16:20	PB170055
98-95-3	Nitrobenzene	28.0	U	1	28.0	260	ug/Kg	10/10/25 16:20	PB170055
78-59-1	Isophorone	50.2	U	1	50.2	260	ug/Kg	10/10/25 16:20	PB170055
88-75-5	2-Nitrophenol	89.0	U	1	89.0	260	ug/Kg	10/10/25 16:20	PB170055
105-67-9	2,4-Dimethylphenol	99.1	U	1	99.1	260	ug/Kg	10/10/25 16:20	PB170055
111-91-1	bis(2-Chloroethoxy)methane	47.1	U	1	47.1	260	ug/Kg	10/10/25 16:20	PB170055
120-83-2	2,4-Dichlorophenol	43.3	U	1	43.3	260	ug/Kg	10/10/25 16:20	PB170055
91-20-3	Naphthalene	180	J	1	34.7	260	ug/Kg	10/10/25 16:20	PB170055
106-47-8	4-Chloroaniline	54.1	U	1	54.1	260	ug/Kg	10/10/25 16:20	PB170055
87-68-3	Hexachlorobutadiene	38.7	U	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
105-60-2	Caprolactam	79.7	U	1	79.7	500	ug/Kg	10/10/25 16:20	PB170055
59-50-7	4-Chloro-3-methylphenol	43.9	U	1	43.9	260	ug/Kg	10/10/25 16:20	PB170055
91-57-6	2-Methylnaphthalene	39.2	U	1	39.2	260	ug/Kg	10/10/25 16:20	PB170055
77-47-4	Hexachlorocyclopentadiene	180	U	1	180	500	ug/Kg	10/10/25 16:20	PB170055
88-06-2	2,4,6-Trichlorophenol	30.3	U	1	30.3	260	ug/Kg	10/10/25 16:20	PB170055
95-95-4	2,4,5-Trichlorophenol	44.5	U	1	44.5	260	ug/Kg	10/10/25 16:20	PB170055
92-52-4	1,1-Biphenyl	33.3	U	1	33.3	260	ug/Kg	10/10/25 16:20	PB170055
91-58-7	2-Chloronaphthalene	34.4	U	1	34.4	260	ug/Kg	10/10/25 16:20	PB170055
88-74-4	2-Nitroaniline	73.6	U	1	73.6	260	ug/Kg	10/10/25 16:20	PB170055
131-11-3	Dimethylphthalate	41.4	U	1	41.4	260	ug/Kg	10/10/25 16:20	PB170055
208-96-8	Acenaphthylene	44.2	U	1	44.2	260	ug/Kg	10/10/25 16:20	PB170055
606-20-2	2,6-Dinitrotoluene	51.4	U	1	51.4	260	ug/Kg	10/10/25 16:20	PB170055
99-09-2	3-Nitroaniline	70.4	U	1	70.4	260	ug/Kg	10/10/25 16:20	PB170055
83-32-9	Acenaphthene	220	J	1	32.6	260	ug/Kg	10/10/25 16:20	PB170055
51-28-5	2,4-Dinitrophenol	350	U	1	350	500	ug/Kg	10/10/25 16:20	PB170055
100-02-7	4-Nitrophenol	160	U	1	160	500	ug/Kg	10/10/25 16:20	PB170055
132-64-9	Dibenzofuran	150	J	1	34.7	260	ug/Kg	10/10/25 16:20	PB170055
121-14-2	2,4-Dinitrotoluene	76.6	U	1	76.6	260	ug/Kg	10/10/25 16:20	PB170055
84-66-2	Diethylphthalate	43.3	U	1	43.3	260	ug/Kg	10/10/25 16:20	PB170055
7005-72-3	4-Chlorophenyl-phenylether	40.8	U	1	40.8	260	ug/Kg	10/10/25 16:20	PB170055
86-73-7	Fluorene	160	J	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
100-01-6	4-Nitroaniline	98.2	U	1	98.2	260	ug/Kg	10/10/25 16:20	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	160	U	1	160	500	ug/Kg	10/10/25 16:20	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-0-1
 Lab Sample ID: Q3310-01
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.04 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 65.3
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	50.3	U	1	50.3	260	ug/Kg	10/10/25 16:20	PB170055
101-55-3	4-Bromophenyl-phenylether	42.5	U	1	42.5	260	ug/Kg	10/10/25 16:20	PB170055
118-74-1	Hexachlorobenzene	38.7	U	1	38.7	260	ug/Kg	10/10/25 16:20	PB170055
1912-24-9	Atrazine	52.0	U	1	52.0	260	ug/Kg	10/10/25 16:20	PB170055
87-86-5	Pentachlorophenol	78.5	U	1	78.5	500	ug/Kg	10/10/25 16:20	PB170055
85-01-8	Phenanthrene	1800		1	32.0	260	ug/Kg	10/10/25 16:20	PB170055
120-12-7	Anthracene	470		1	50.9	260	ug/Kg	10/10/25 16:20	PB170055
86-74-8	Carbazole	310		1	47.7	260	ug/Kg	10/10/25 16:20	PB170055
84-74-2	Di-n-butylphthalate	73.3	U	1	73.3	260	ug/Kg	10/10/25 16:20	PB170055
206-44-0	Fluoranthene	2200		1	45.9	260	ug/Kg	10/10/25 16:20	PB170055
129-00-0	Pyrene	1300		1	55.1	260	ug/Kg	10/10/25 16:20	PB170055
85-68-7	Butylbenzylphthalate	110	U	1	110	260	ug/Kg	10/10/25 16:20	PB170055
91-94-1	3,3-Dichlorobenzidine	56.1	U	1	56.1	500	ug/Kg	10/10/25 16:20	PB170055
56-55-3	Benzo(a)anthracene	1000		1	35.2	260	ug/Kg	10/10/25 16:20	PB170055
218-01-9	Chrysene	850		1	30.4	260	ug/Kg	10/10/25 16:20	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	90.5	U	1	90.5	260	ug/Kg	10/10/25 16:20	PB170055
117-84-0	Di-n-octyl phthalate	130	U	1	130	500	ug/Kg	10/10/25 16:20	PB170055
205-99-2	Benzo(b)fluoranthene	1200		1	29.1	260	ug/Kg	10/10/25 16:20	PB170055
207-08-9	Benzo(k)fluoranthene	380		1	34.3	260	ug/Kg	10/10/25 16:20	PB170055
50-32-8	Benzo(a)pyrene	800		1	45.1	260	ug/Kg	10/10/25 16:20	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	310		1	44.5	260	ug/Kg	10/10/25 16:20	PB170055
53-70-3	Dibenzo(a,h)anthracene	41.9	U	1	41.9	260	ug/Kg	10/10/25 16:20	PB170055
191-24-2	Benzo(g,h,i)perylene	360		1	39.3	260	ug/Kg	10/10/25 16:20	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	39.2	U	1	39.2	260	ug/Kg	10/10/25 16:20	PB170055
123-91-1	1,4-Dioxane	69.1	U	1	69.1	260	ug/Kg	10/10/25 16:20	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	41.9	U	1	41.9	260	ug/Kg	10/10/25 16:20	PB170055

SURROGATES

367-12-4	2-Fluorophenol	81.7			18 - 112	54%	SPK: 150
13127-88-3	Phenol-d6	79.8			15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.0			18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.9			20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.8			10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	34.7			10 - 105	35%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	118000
1146-65-2	Naphthalene-d8	440000
15067-26-2	Acenaphthene-d10	216000
1517-22-2	Phenanthrene-d10	321000
1719-03-5	Chrysene-d12	271000
1520-96-3	Perylene-d12	261000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	350	J	10.6	ug/Kg
000486-25-9	9H-Fluoren-9-one	130	J	11.2	ug/Kg

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected: 10/07/25
Project: Con Edison Richmond Terrace	Date Received: 10/08/25
Client Sample ID: SS-01-0-1	SDG No.: Q3310
Lab Sample ID: Q3310-01	Matrix: SOIL
Analytical Method: 8270E Level : LOW	% Solid: 65.3
Sample Wt/Vol: 30.04 g Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method : SW3541 Prep Date: 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000132-65-0	Dibenzothiophene	110	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	980	J			11.9	ug/Kg		
001002-84-2	Pentadecanoic acid	200	J			12.7	ug/Kg		
000192-97-2	Benzo[e]pyrene	440	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\BF101025\
 Data File : BF143927.D
 Acq On : 10 Oct 2025 16:20
 Operator : RC/JU
 Sample : Q3310-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 17:16:44 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	118134	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	439825	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	215736	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	320645	20.000	ng	0.00
76) Chrysene-d12	14.063	240	271231	20.000	ng	0.00
86) Perylene-d12	15.545	264	260591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	608068	81.738	ng	0.00
7) Phenol-d6	6.504	99	707454	79.783	ng	-0.01
23) Nitrobenzene-d5	7.439	82	412861	57.030	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	147734	68.753	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	665135	48.921	ng	-0.01
79) Terphenyl-d14	12.998	244	550490	34.687	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.187	128	72522	3.625	ng	99
52) Acenaphthene	9.951	154	47610	4.340	ng	94
55) Dibenzofuran	10.128	168	46119	2.978	ng	99
58) Fluorene	10.469	166	37477	3.207	ng	95
71) Phenanthrene	11.439	178	559645	36.002	ng	99
72) Anthracene	11.486	178	143621	9.145	ng	98
73) Carbazole	11.639	167	83654	6.015	ng	97
75) Fluoranthene	12.633	202	691596	43.072	ng	99
78) Pyrene	12.863	202	565939	25.028	ng	99
81) Benzo(a)anthracene	14.051	228	347624	19.585	ng	98
83) Chrysene	14.086	228	274054	16.683	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	95630	5.989	ng	98
88) Benzo(b)fluoranthene	15.110	252	341815m	22.835	ng	
89) Benzo(k)fluoranthene	15.127	252	102950m	7.433	ng	
90) Benzo(a)pyrene	15.480	252	203794	15.701	ng	# 98
92) Benzo(g,h,i)perylene	17.492	276	90167	7.021	ng	# 95

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

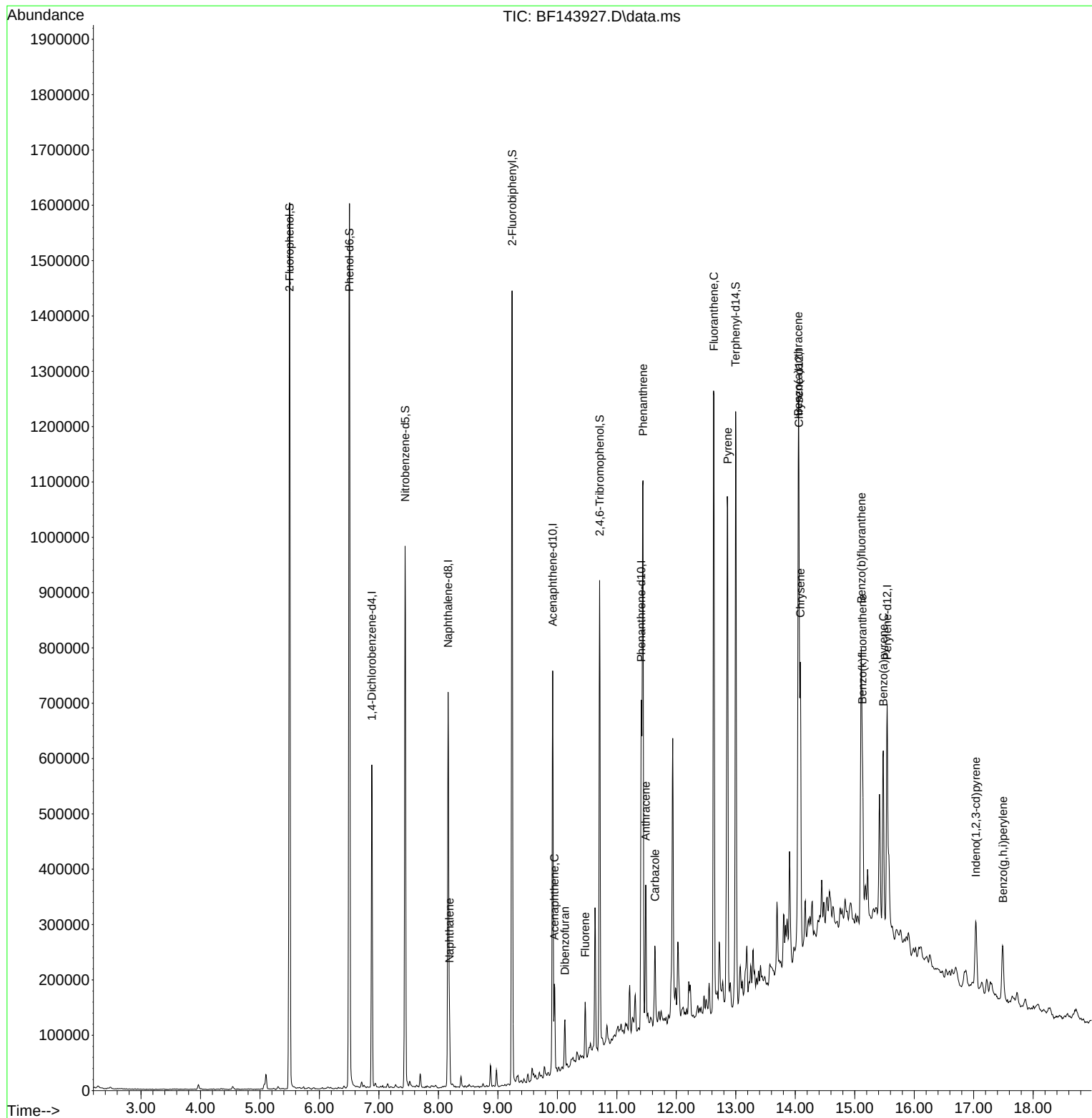
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Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

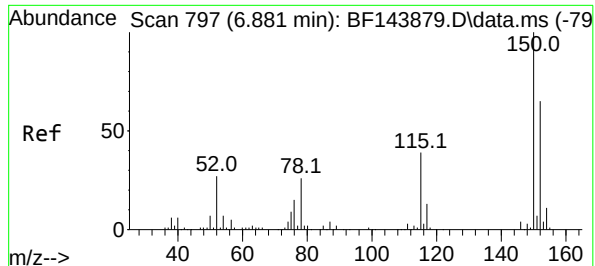
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

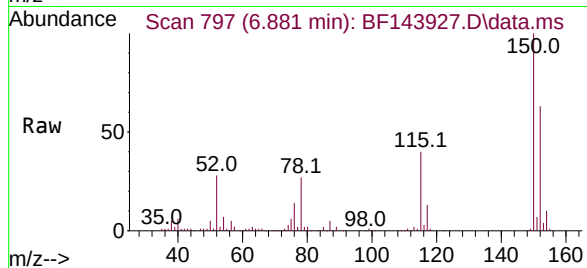
Quant Time: Oct 10 17:16:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20

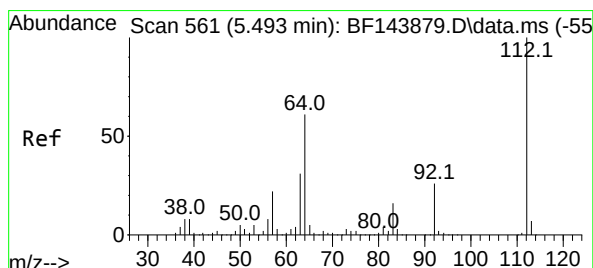
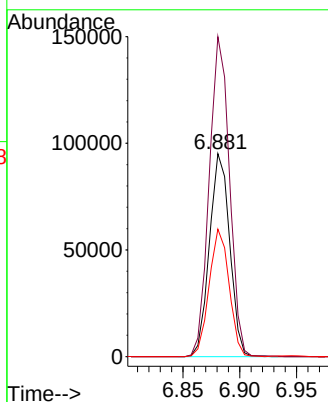
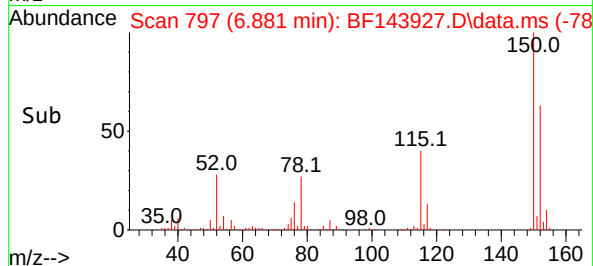
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1



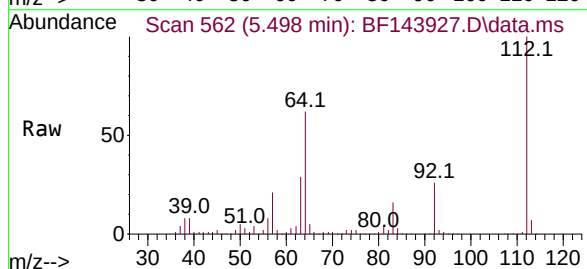
Tgt Ion:152 Resp: 118134
Ion Ratio Lower Upper
152 100
150 157.6 124.4 186.6
115 62.8 48.1 72.1

Manual Integrations
APPROVED

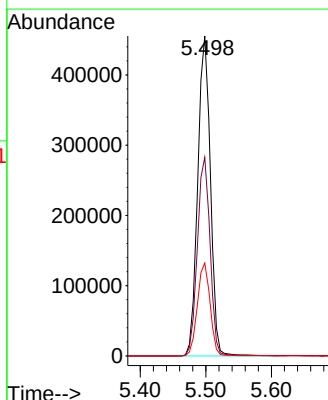
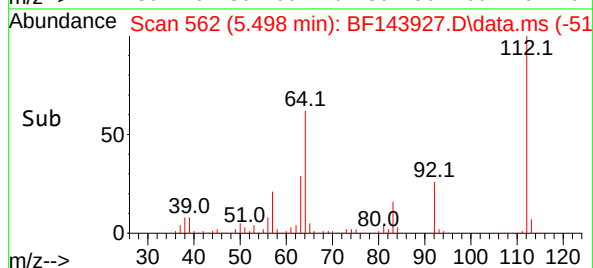
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

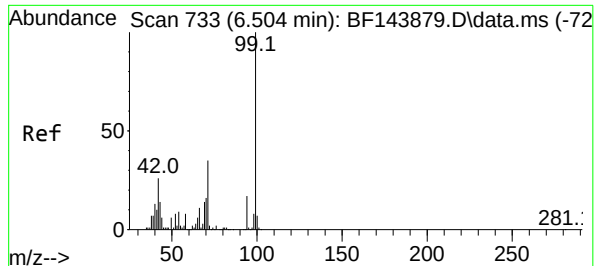


#5
2-Fluorophenol
Concen: 81.738 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20



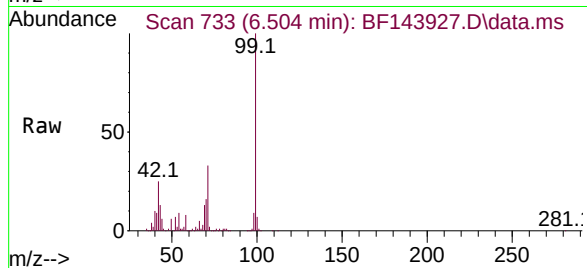
Tgt Ion:112 Resp: 608068
Ion Ratio Lower Upper
112 100
64 62.1 49.1 73.7
63 29.0 24.5 36.7





#7
Phenol-d6
Concen: 79.783 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20

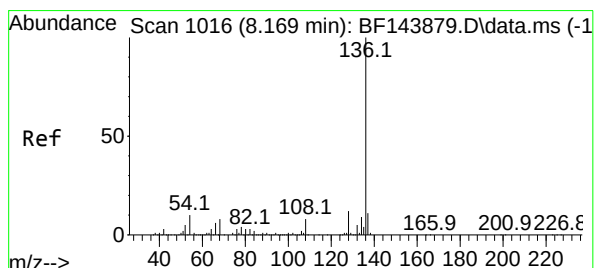
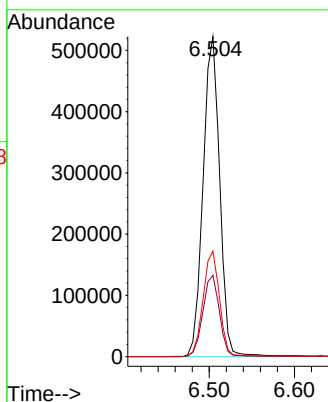
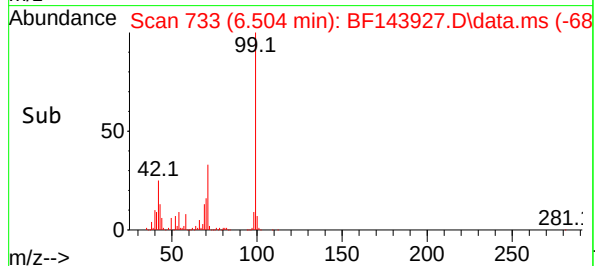
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1



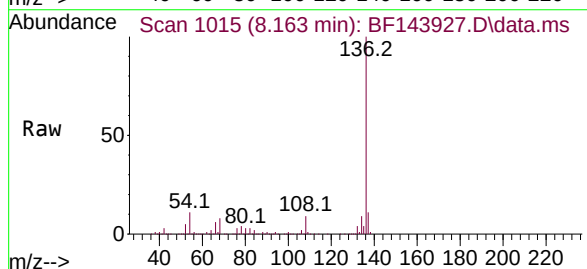
Tgt Ion: 99 Resp: 707454
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 32.9 27.8 41.8

Manual Integrations
APPROVED

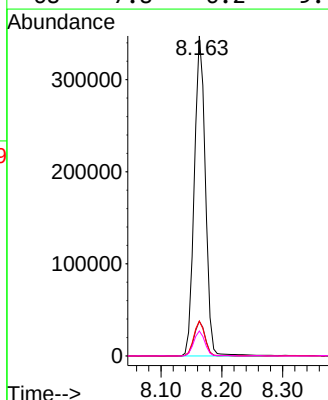
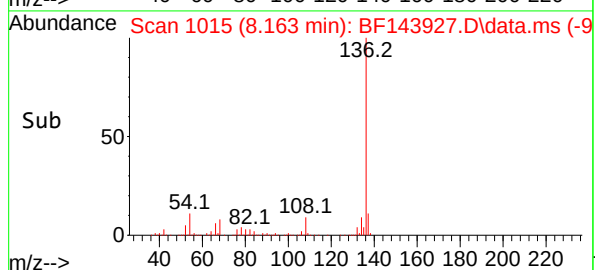
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

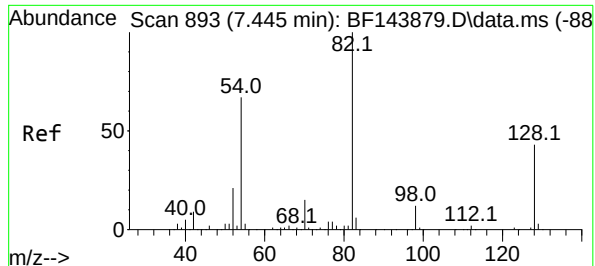


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20



Tgt Ion:136 Resp: 439825
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.9 8.2 12.4
68 7.8 6.2 9.4





#23

Nitrobenzene-d5

Concen: 57.030 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion: 82 Resp: 41286

Ion Ratio Lower Upper

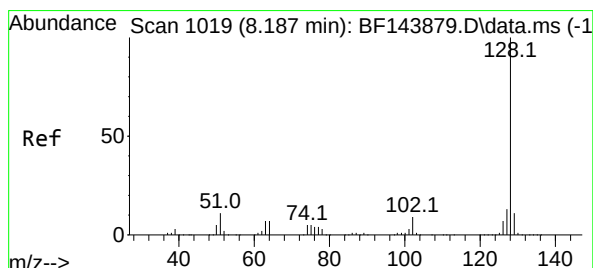
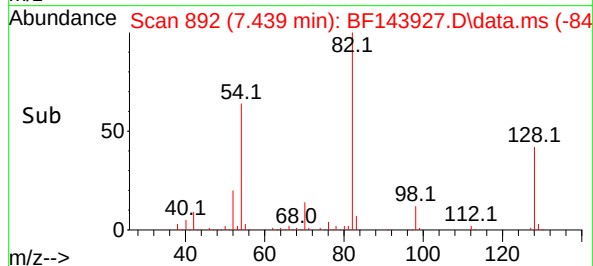
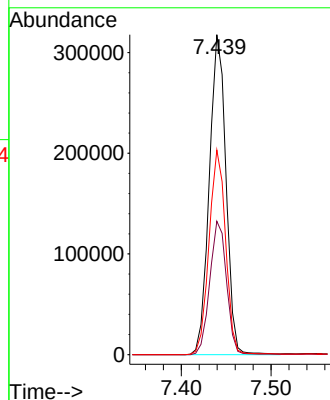
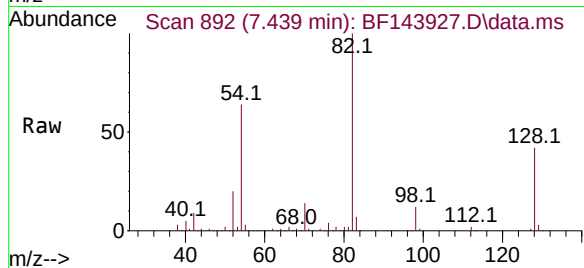
82 100

128 41.7 34.0 51.0

54 63.9 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#31

Naphthalene

Concen: 3.625 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

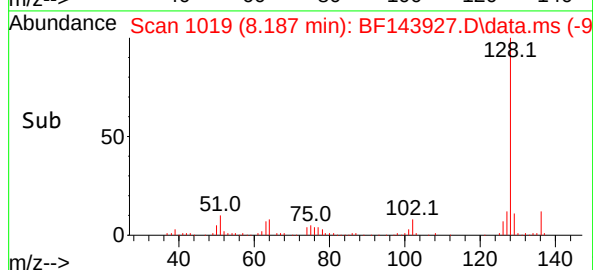
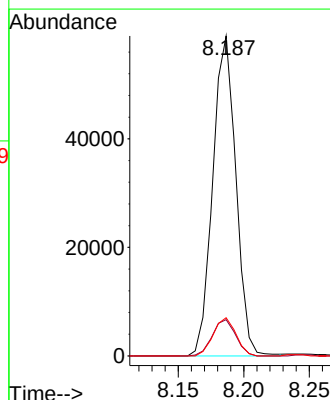
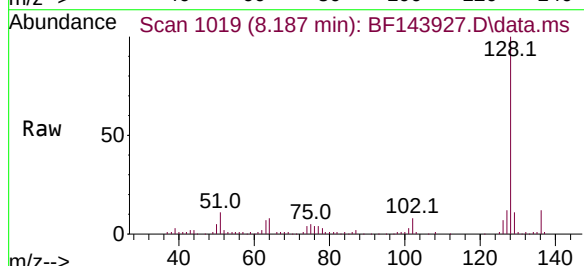
Tgt Ion:128 Resp: 72522

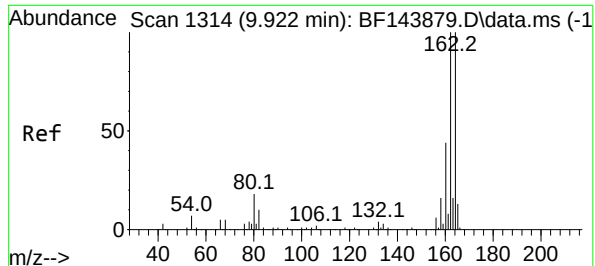
Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 11.9 10.0 15.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:164 Resp: 215736

Ion Ratio Lower Upper

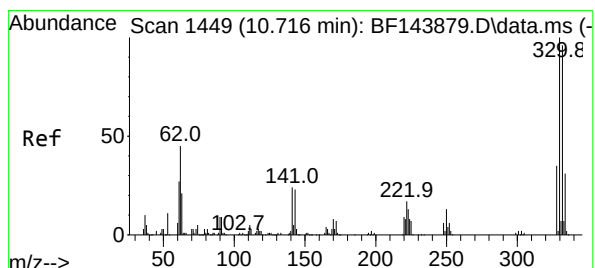
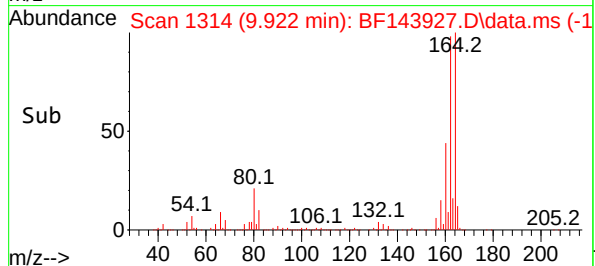
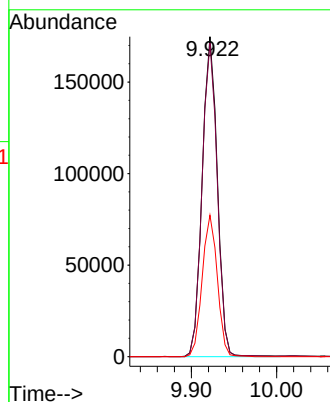
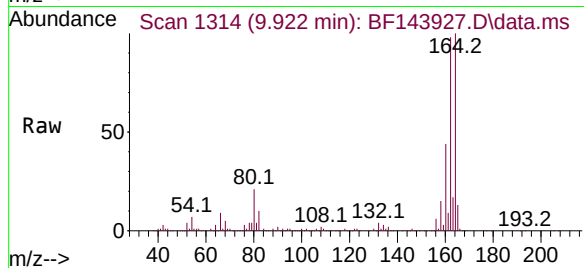
164 100

162 98.0 80.2 120.2

160 44.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#42

2,4,6-Tribromophenol

Concen: 68.753 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

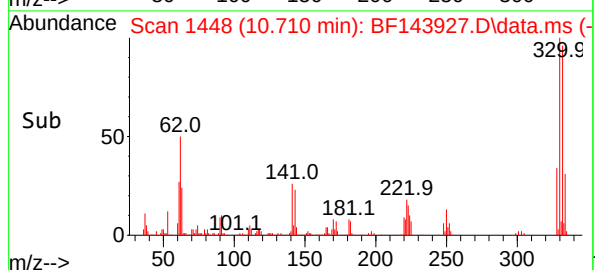
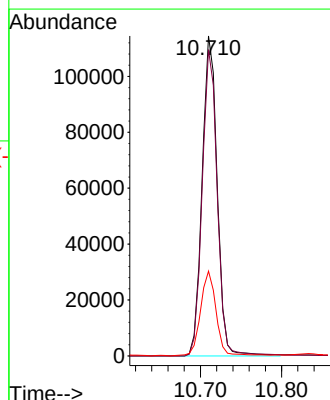
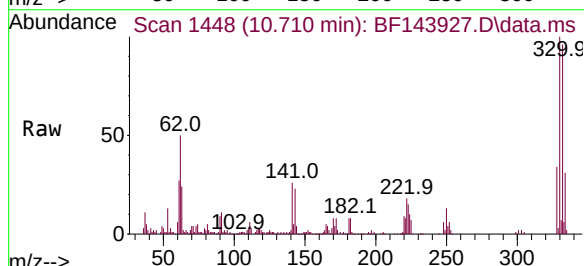
Tgt Ion:330 Resp: 147734

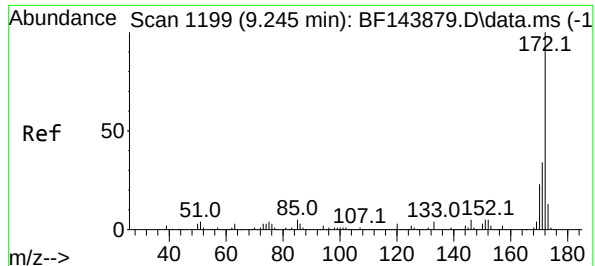
Ion Ratio Lower Upper

330 100

332 95.6 76.9 115.3

141 27.5 20.2 30.4





#45

2-Fluorobiphenyl

Concen: 48.921 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:172 Resp: 665135

Ion Ratio Lower Upper

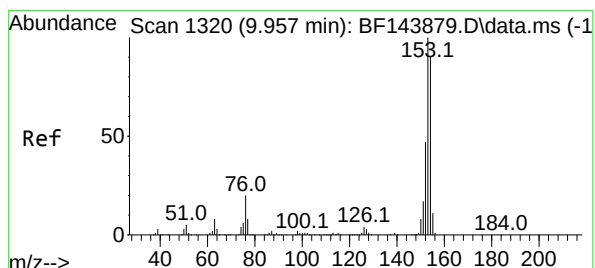
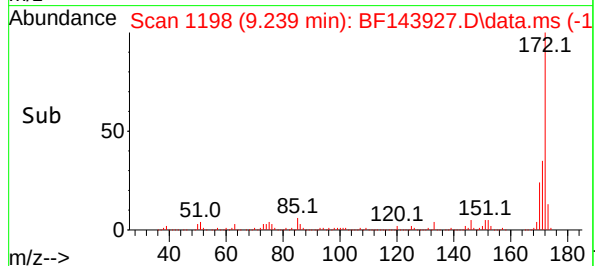
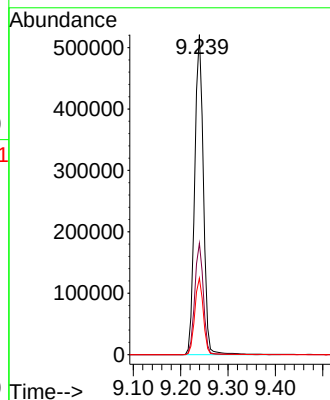
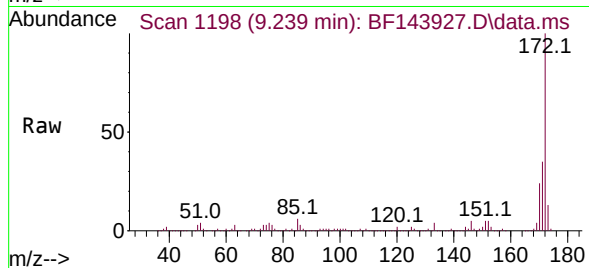
172 100

171 34.8 27.4 41.0

170 23.9 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#52

Acenaphthene

Concen: 4.340 ng

RT: 9.951 min Scan# 1319

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

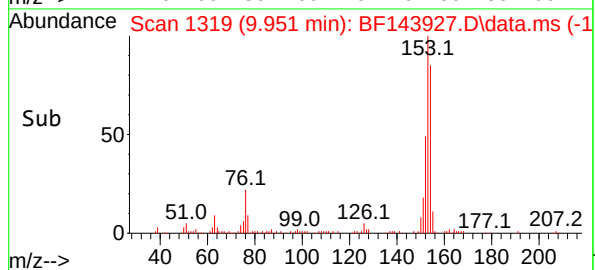
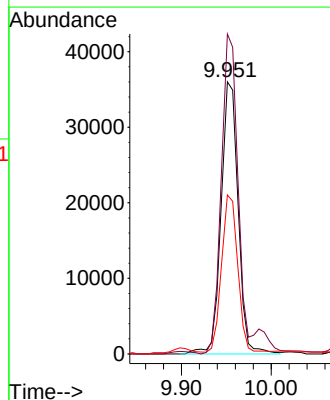
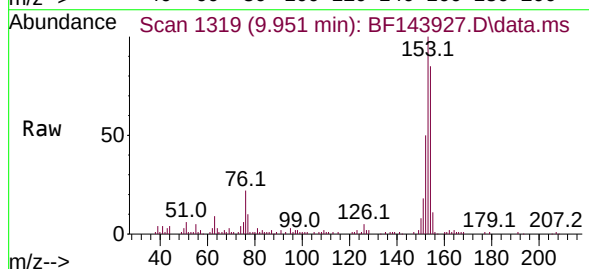
Tgt Ion:154 Resp: 47610

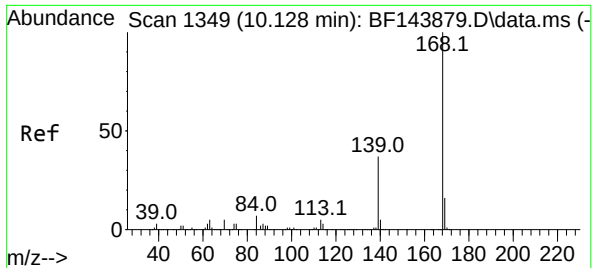
Ion Ratio Lower Upper

154 100

153 117.6 89.3 133.9

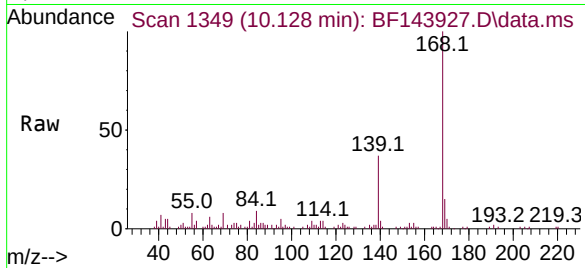
152 58.4 42.2 63.2





#55
Dibenzenofuran
Concen: 2.978 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20

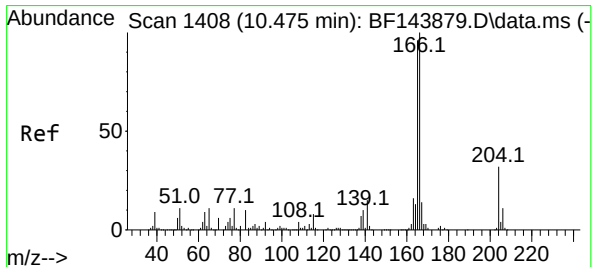
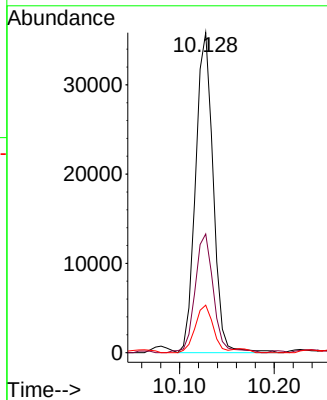
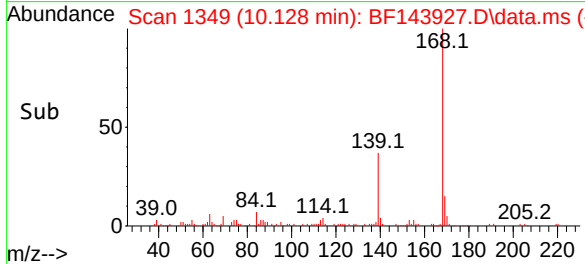
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1



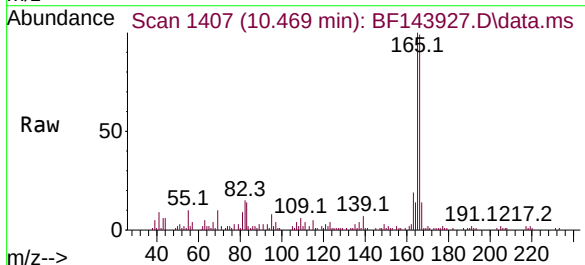
Tgt Ion:168 Resp: 46119
Ion Ratio Lower Upper
168 100
139 37.1 29.8 44.8
169 14.8 12.8 19.2

Manual Integrations
APPROVED

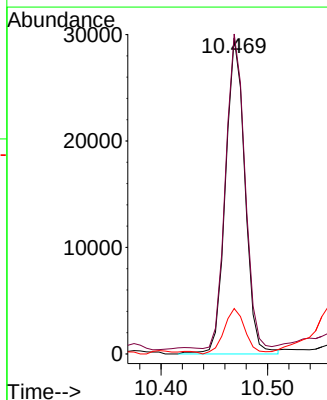
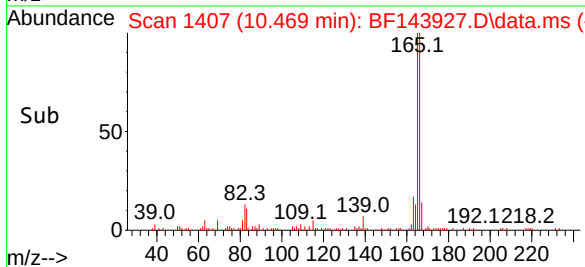
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

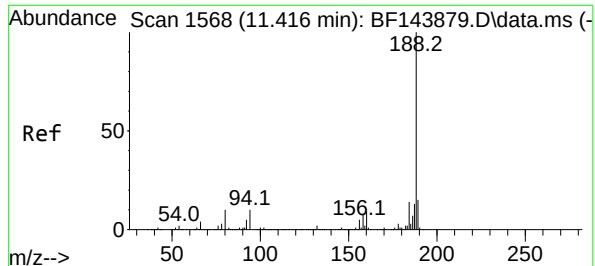


#58
Fluorene
Concen: 3.207 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143927.D
Acq: 10 Oct 2025 16:20



Tgt Ion:166 Resp: 37477
Ion Ratio Lower Upper
166 100
165 101.3 77.0 115.6
167 14.4 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:188 Resp: 320645

Ion Ratio Lower Upper

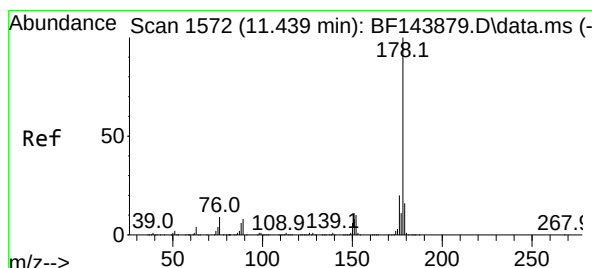
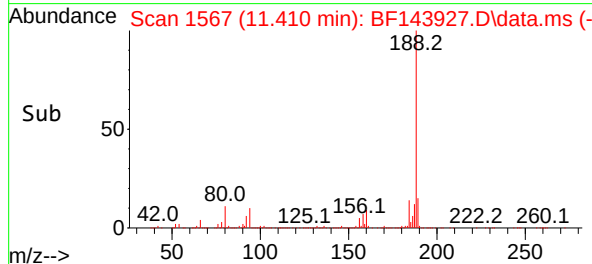
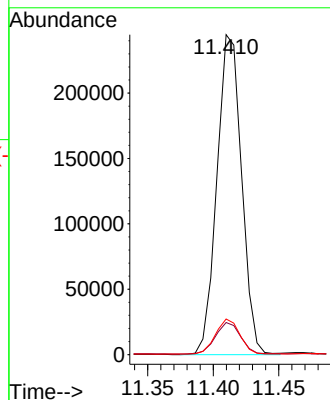
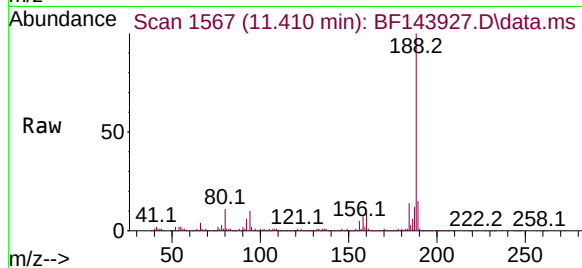
188 100

94 10.0 7.8 11.6

80 11.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#71

Phenanthrene

Concen: 36.002 ng

RT: 11.439 min Scan# 1572

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

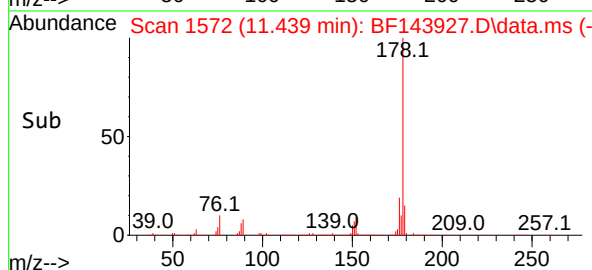
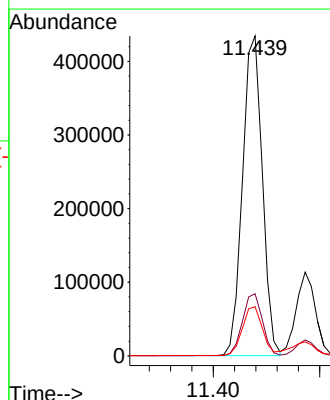
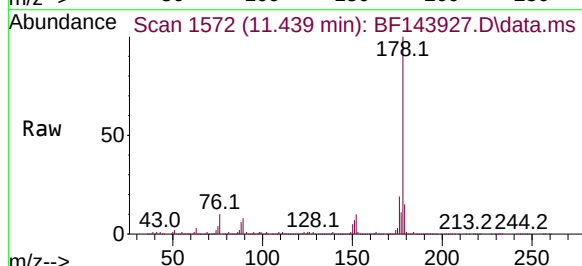
Tgt Ion:178 Resp: 559645

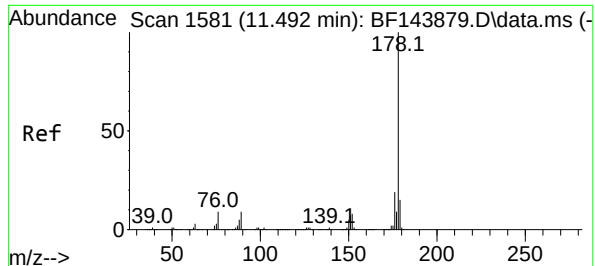
Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

179 15.4 12.4 18.6





#72

Anthracene

Concen: 9.145 ng

RT: 11.486 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:178 Resp: 143621

Ion Ratio Lower Upper

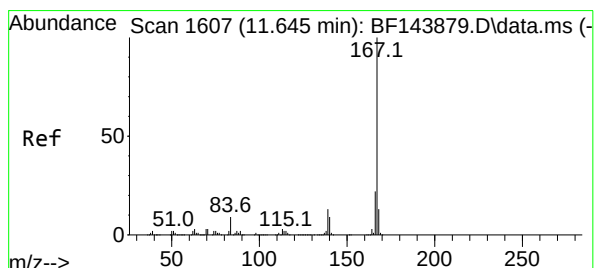
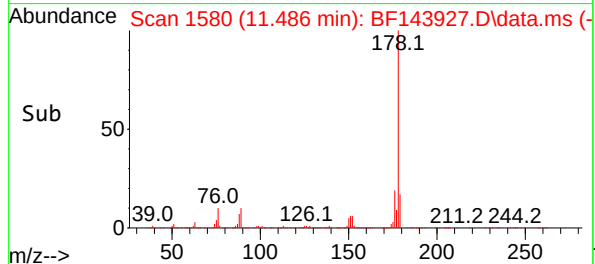
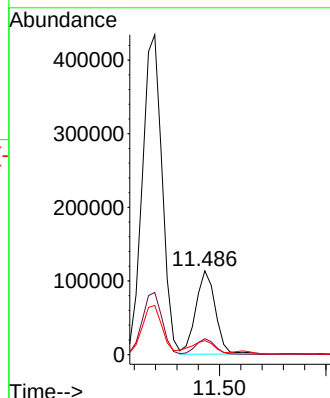
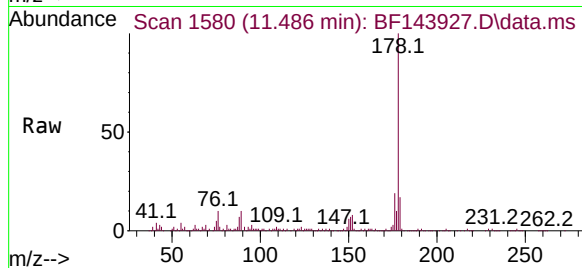
178 100

176 19.0 14.9 22.3

179 16.8 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#73

Carbazole

Concen: 6.015 ng

RT: 11.639 min Scan# 1606

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

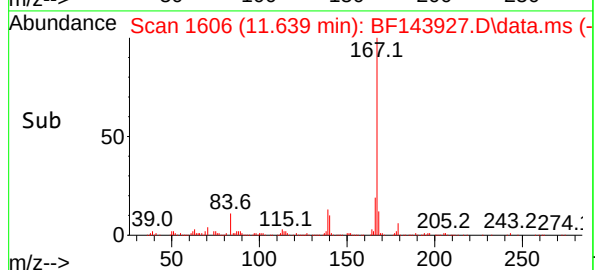
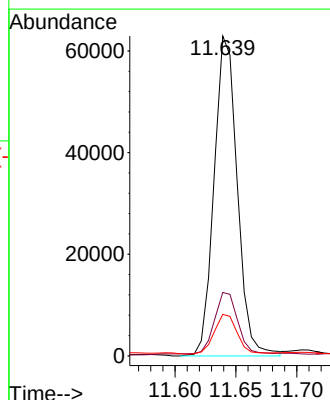
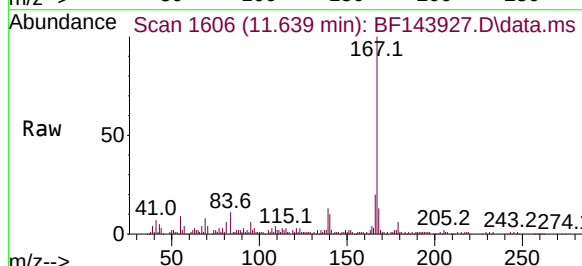
Tgt Ion:167 Resp: 83654

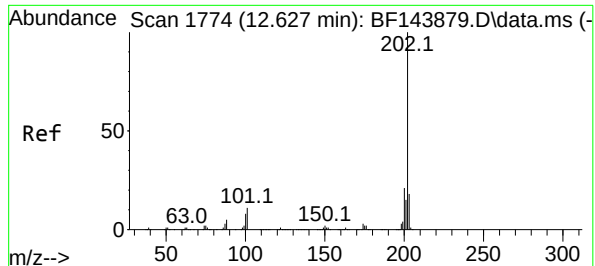
Ion Ratio Lower Upper

167 100

166 19.8 17.2 25.8

139 13.0 10.1 15.1





#75

Fluoranthene

Concen: 43.072 ng

RT: 12.633 min Scan# 1775

Delta R.T. 0.000 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:202 Resp: 691596

Ion Ratio Lower Upper

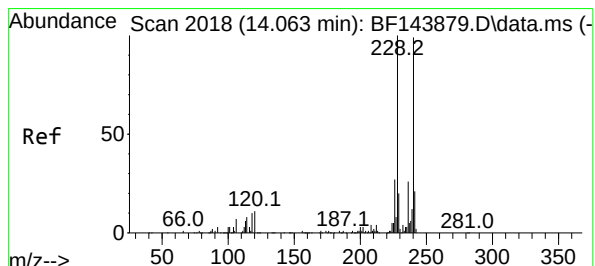
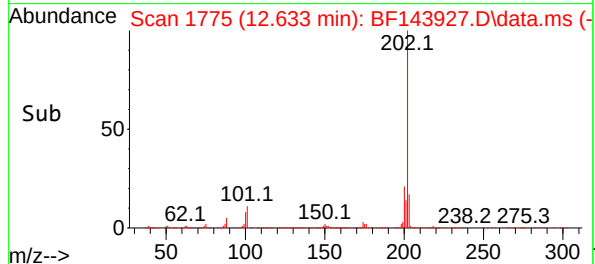
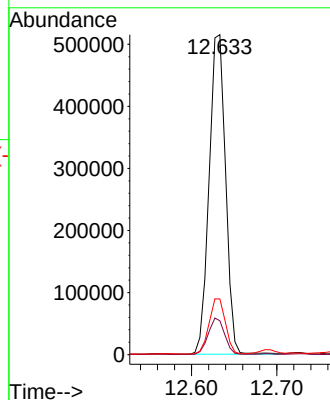
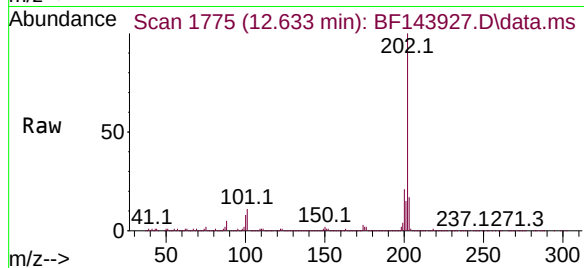
202 100

101 10.6 0.0 30.7

203 17.4 0.0 37.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

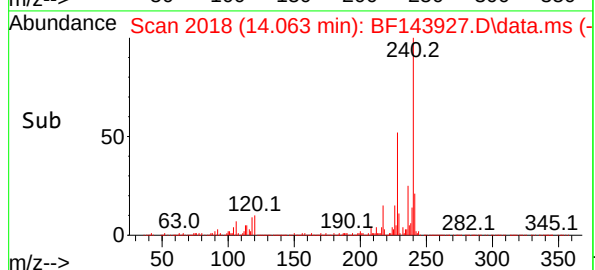
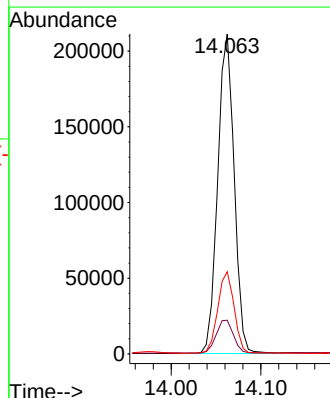
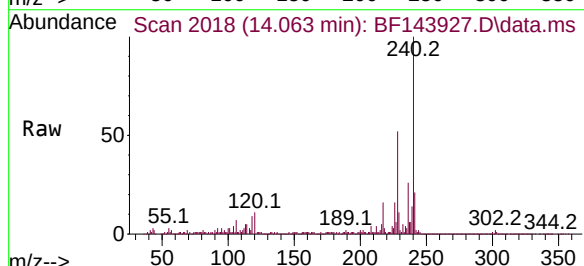
Tgt Ion:240 Resp: 271231

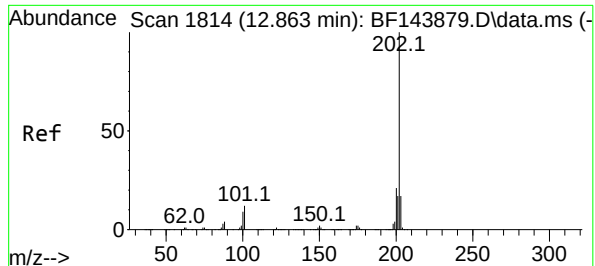
Ion Ratio Lower Upper

240 100

120 10.5 8.6 13.0

236 25.7 21.1 31.7





#78

Pyrene

Concen: 25.028 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.000 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:202 Resp: 565939

Ion Ratio Lower Upper

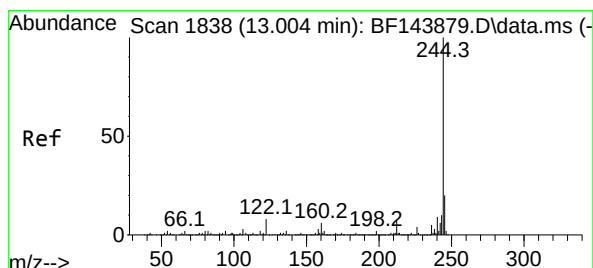
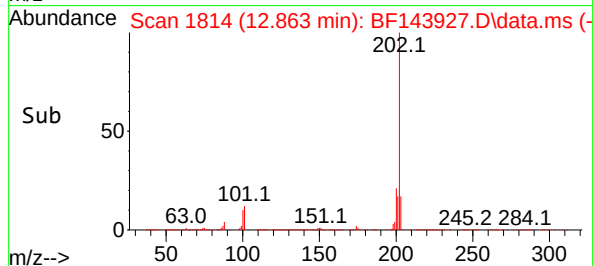
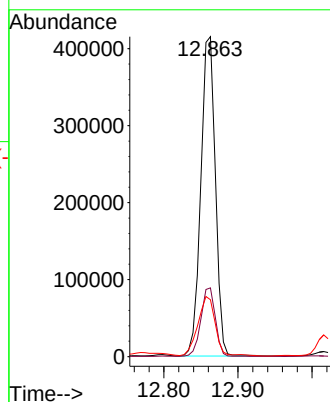
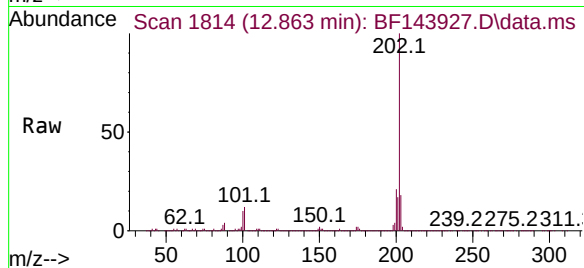
202 100

200 21.5 17.0 25.6

203 17.8 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#79

Terphenyl-d14

Concen: 34.687 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

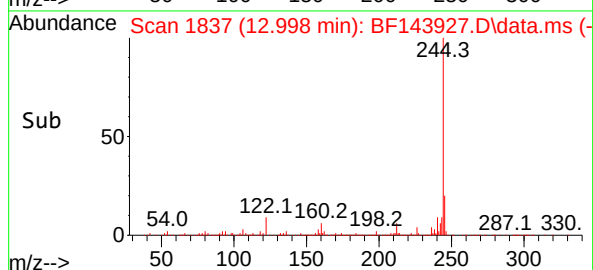
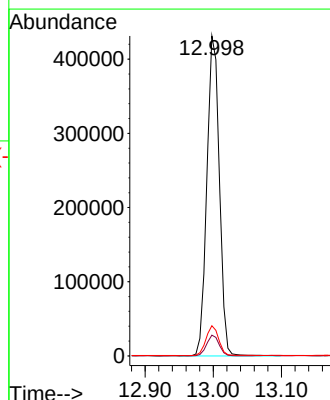
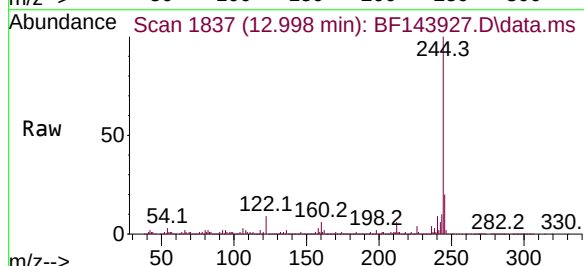
Tgt Ion:244 Resp: 550490

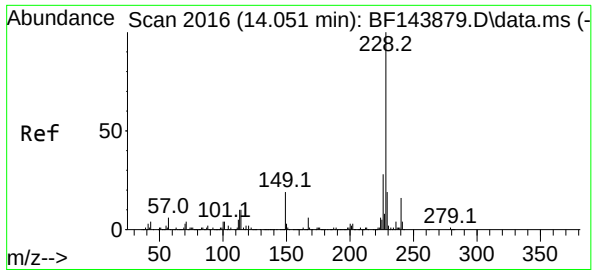
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

122 9.4 6.4 9.6





#81

Benzo(a)anthracene

Concen: 19.585 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

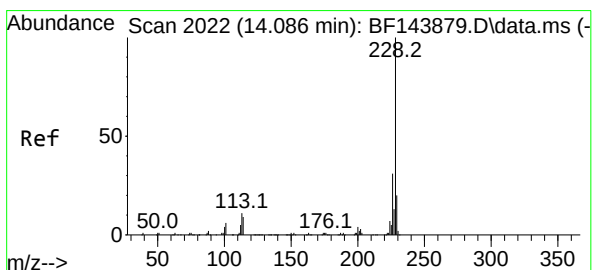
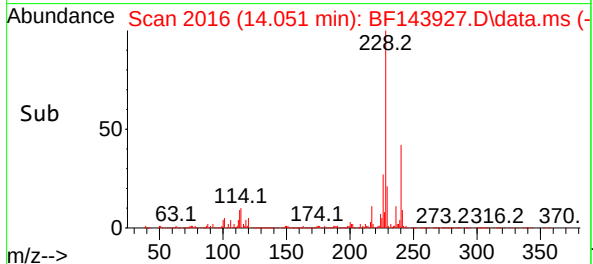
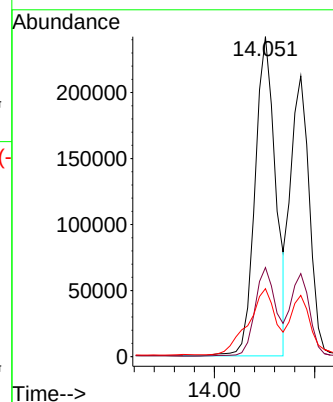
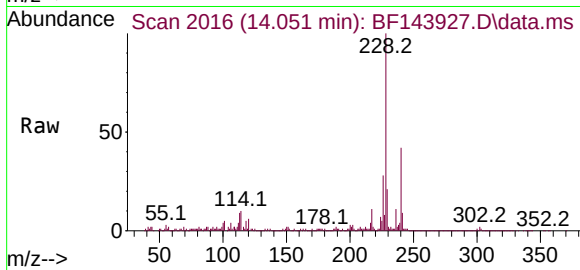
Tgt Ion:228 Resp: 347624

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	21.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#83

Chrysene

Concen: 16.683 ng

RT: 14.086 min Scan# 2022

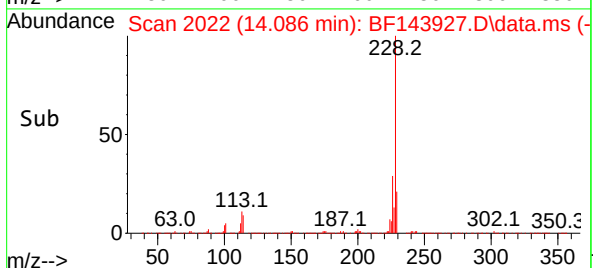
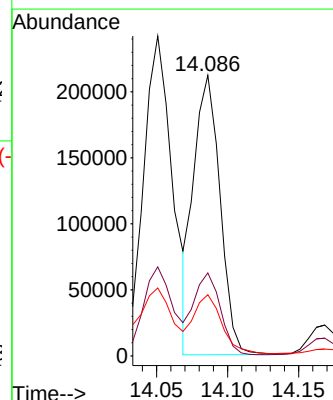
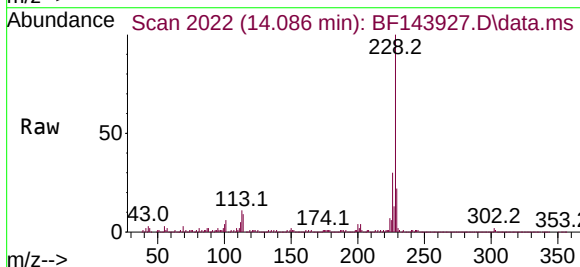
Delta R.T. -0.006 min

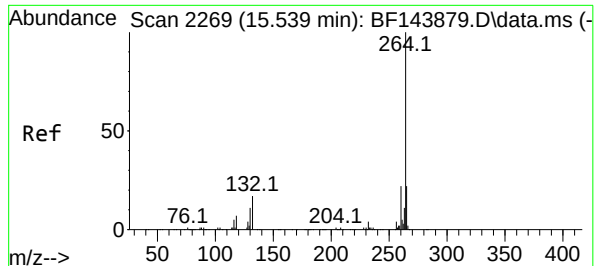
Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Tgt Ion:228 Resp: 274054

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	21.8	15.9	23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:264 Resp: 26059

Ion Ratio Lower Upper

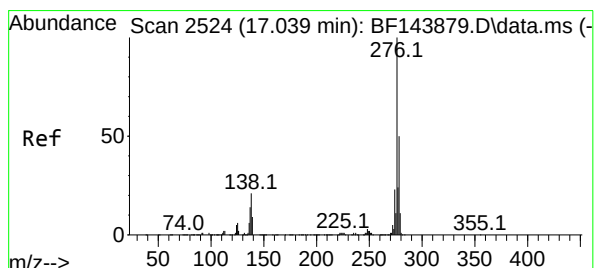
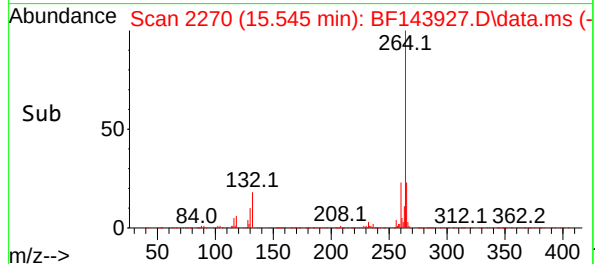
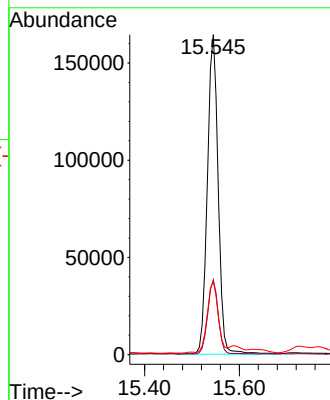
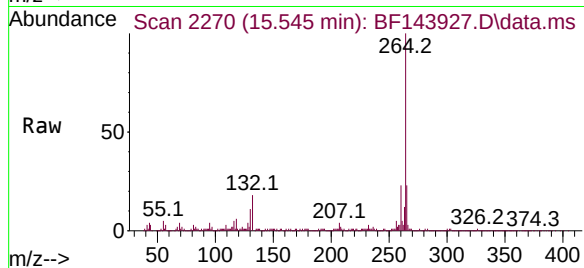
264 100

260 23.4 17.8 26.8

265 22.9 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#87

Indeno(1,2,3-cd)pyrene

Concen: 5.989 ng

RT: 17.033 min Scan# 2523

Delta R.T. -0.023 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

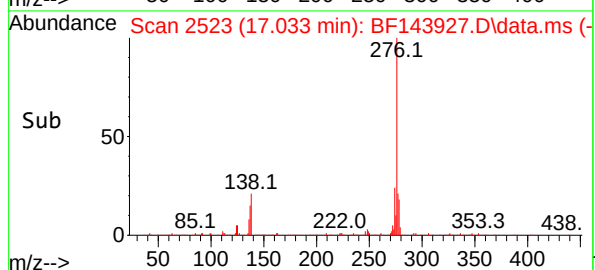
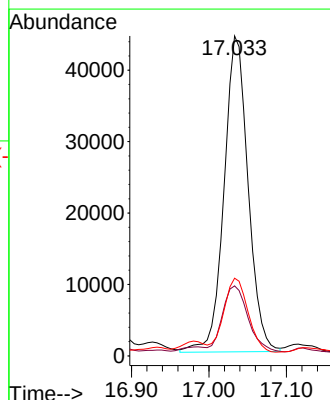
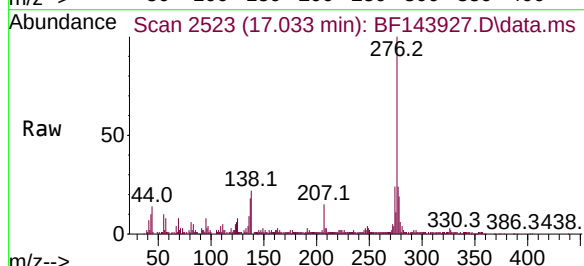
Tgt Ion:276 Resp: 95630

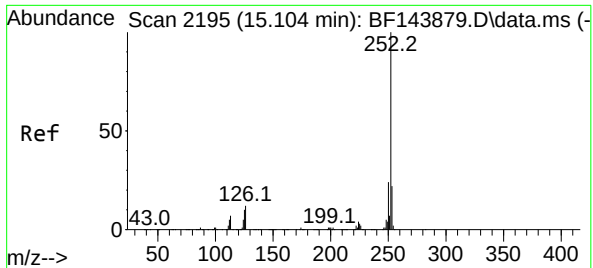
Ion Ratio Lower Upper

276 100

138 22.0 18.2 27.2

277 23.5 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 22.835 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:252 Resp: 341815

Ion Ratio Lower Upper

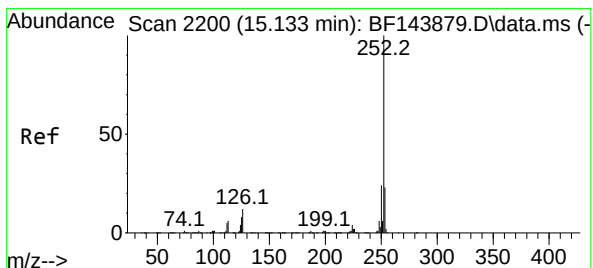
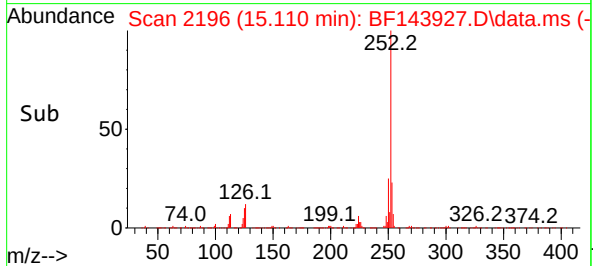
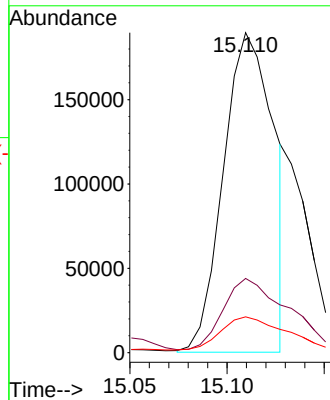
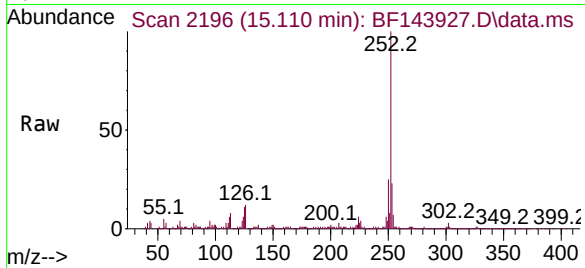
252 100

253 23.2 17.4 26.2

125 11.2 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#89

Benzo(k)fluoranthene

Concen: 7.433 ng m

RT: 15.127 min Scan# 2199

Delta R.T. -0.018 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

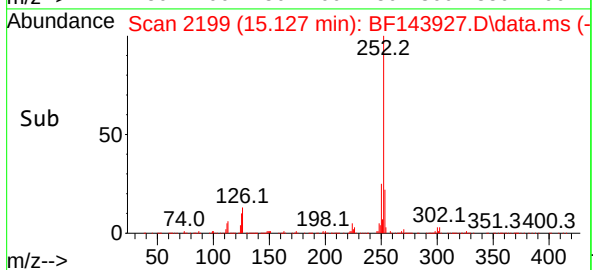
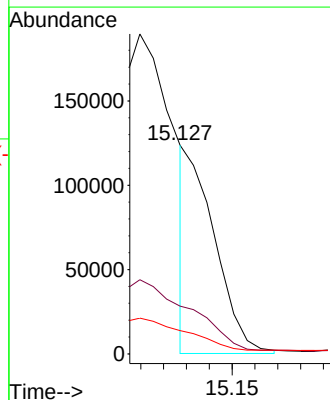
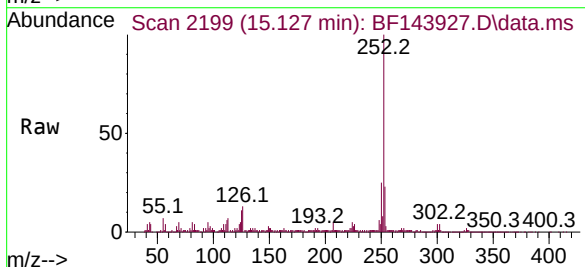
Tgt Ion:252 Resp: 102950

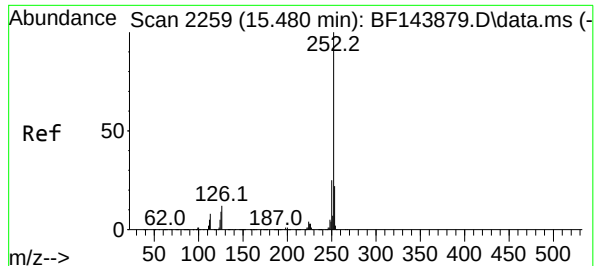
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 11.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 15.701 ng

RT: 15.480 min Scan# 2259

Delta R.T. -0.006 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

Instrument :

BNA_F

ClientSampleId :

SS-01-0-1

Tgt Ion:252 Resp: 203794

Ion Ratio Lower Upper

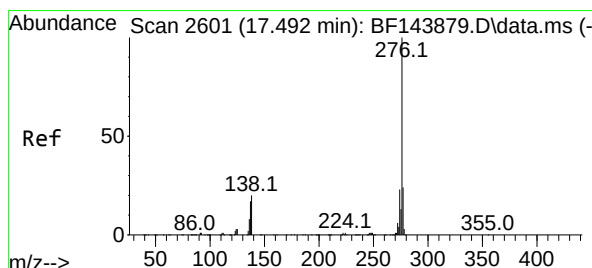
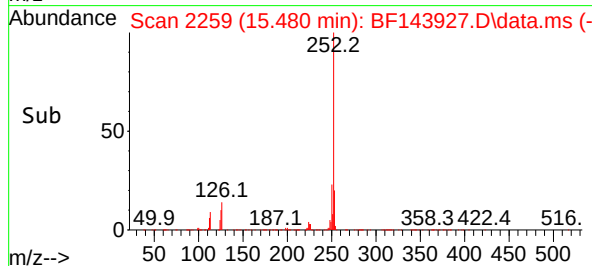
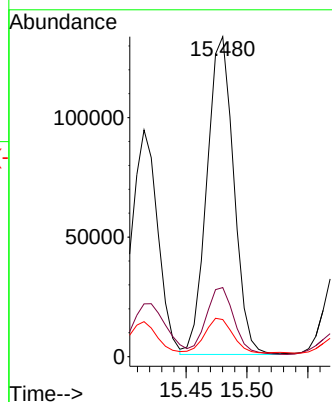
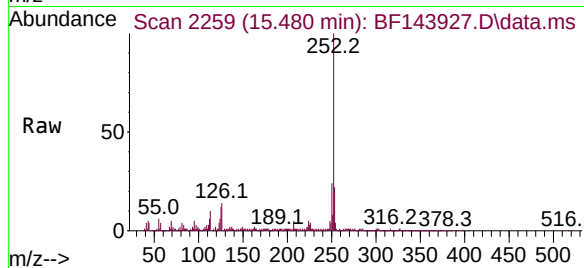
252 100

253 21.6 17.3 25.9

125 11.6 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#92

Benzo(g,h,i)perylene

Concen: 7.021 ng

RT: 17.492 min Scan# 2601

Delta R.T. -0.023 min

Lab File: BF143927.D

Acq: 10 Oct 2025 16:20

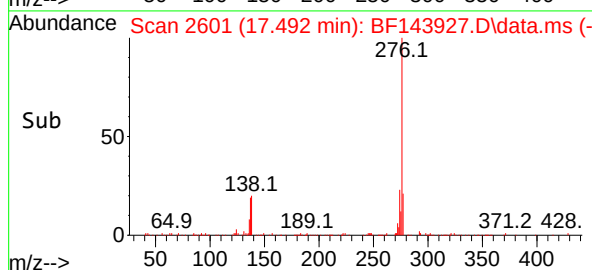
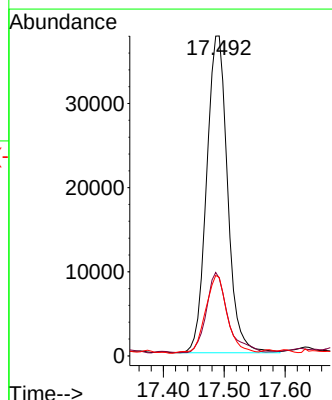
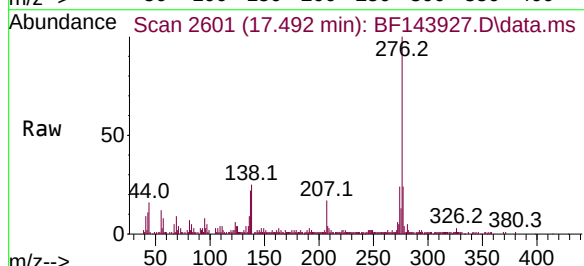
Tgt Ion:276 Resp: 90167

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.6

138 24.6 16.1 24.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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

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

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

Signal : TIC: BF143927.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	501	rVB	25840	42796	1.94%	0.162%
2	5.498	556	562	574	rBV	1600777	2129078	96.68%	8.048%
3	6.504	723	733	751	rBV	1598965	2202088	100.00%	8.324%
4	6.881	792	797	803	rBV	582794	721438	32.76%	2.727%
5	7.439	886	892	897	rBV	978508	1268552	57.61%	4.795%
6	7.692	931	935	941	rVB	23970	33414	1.52%	0.126%
7	8.163	1008	1015	1025	rBV2	712837	1056769	47.99%	3.995%
8	8.381	1047	1052	1061	rBV	19733	29960	1.36%	0.113%
9	8.875	1132	1136	1141	rVB	37762	46180	2.10%	0.175%
10	8.975	1149	1153	1159	rVB	29914	37749	1.71%	0.143%
11	9.239	1192	1198	1208	rBV	1435139	1815890	82.46%	6.864%
12	9.504	1239	1243	1248	rBV	15312	25060	1.14%	0.095%
13	9.575	1251	1255	1258	rBV	22402	32422	1.47%	0.123%
14	9.781	1287	1290	1294	rBV	19601	29194	1.33%	0.110%
15	9.922	1306	1314	1317	rBV	730288	935055	42.46%	3.534%
16	9.951	1317	1319	1324	rVB	153445	182261	8.28%	0.689%
17	10.128	1344	1349	1353	rBV	88507	125074	5.68%	0.473%
18	10.328	1380	1383	1390	rBV5	16890	34777	1.58%	0.131%
19	10.469	1403	1407	1412	rBV	101469	129829	5.90%	0.491%
20	10.633	1431	1435	1440	rVB	254415	317398	14.41%	1.200%
21	10.710	1443	1448	1454	rBV	849223	1111678	50.48%	4.202%
22	11.216	1530	1534	1538	rVB	85145	104779	4.76%	0.396%
23	11.310	1547	1550	1555	rVB	65721	84589	3.84%	0.320%
24	11.416	1563	1568	1569	rBV	592601	792757	36.00%	2.997%
25	11.439	1569	1572	1576	rVV	979965	1239038	56.27%	4.684%
26	11.486	1576	1580	1584	rVB	238534	292555	13.29%	1.106%
27	11.639	1601	1606	1613	rBV	142948	224848	10.21%	0.850%
28	11.939	1650	1657	1663	rBV2	494256	759566	34.49%	2.871%
29	12.027	1668	1672	1680	rVB3	133273	228433	10.37%	0.863%
30	12.210	1700	1703	1705	rBV	58121	72569	3.30%	0.274%
31	12.551	1758	1761	1766	rVB	54847	72004	3.27%	0.272%
32	12.627	1769	1774	1780	rBV	1122153	1547253	70.26%	5.849%
33	12.722	1787	1790	1797	rBV	102989	156320	7.10%	0.591%
34	12.857	1807	1813	1819	rBV	906974	1407947	63.94%	5.322%
35	12.998	1831	1837	1844	rVB	1070043	1495167	67.90%	5.652%
36	13.074	1846	1850	1854	rBV2	56709	98427	4.47%	0.372%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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

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

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

37	13.292	1884	1887	1890	rBV2	50879	61787	2.81%	0.234%
38	13.692	1952	1955	1960	rBV	110995	142988	6.49%	0.540%
39	13.804	1971	1974	1977	rBV2	80241	112716	5.12%	0.426%
40	13.904	1988	1991	1999	rVB2	200420	306268	13.91%	1.158%
41	14.057	2011	2017	2020	rBV2	966874	1622748	73.69%	6.134%
42	15.110	2191	2196	2205	rBV	489507	1157762	52.58%	4.376%
43	15.415	2244	2248	2254	rVB	223798	358793	16.29%	1.356%
44	15.480	2254	2259	2264	rVV	308316	478232	21.72%	1.808%
45	15.545	2265	2270	2283	rVB2	403747	834288	37.89%	3.154%
46	17.033	2519	2523	2532	rVB2	121569	262949	11.94%	0.994%
47	17.486	2596	2600	2612	rVB	100868	233911	10.62%	0.884%

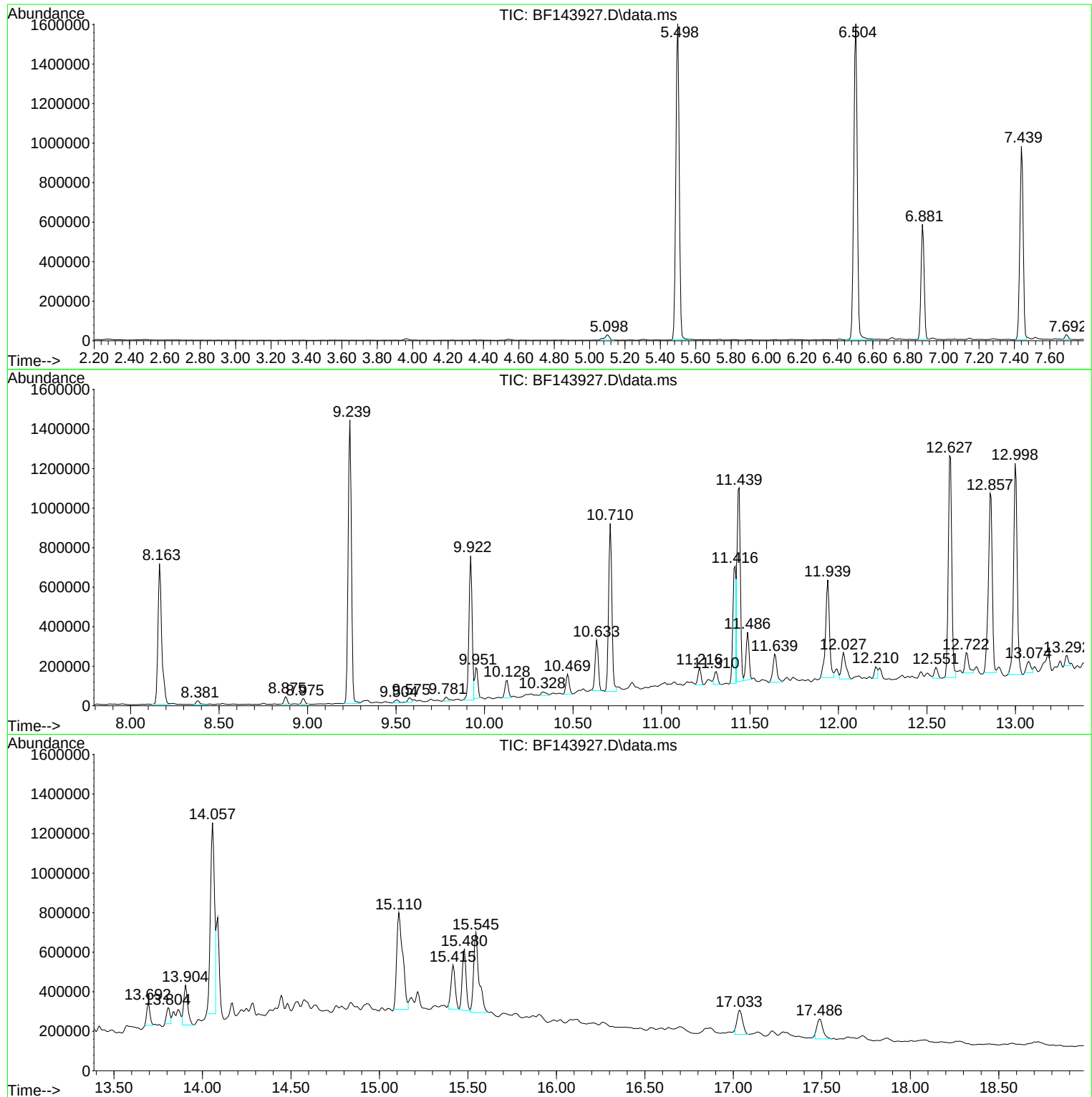
Sum of corrected areas: 26455356

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

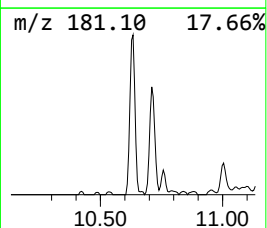
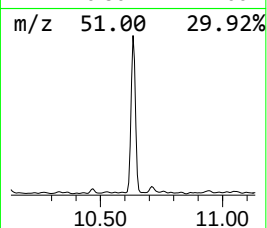
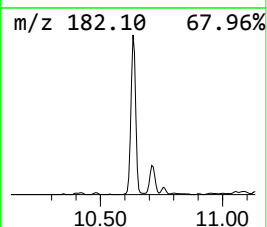
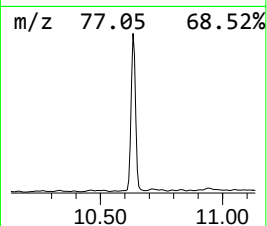
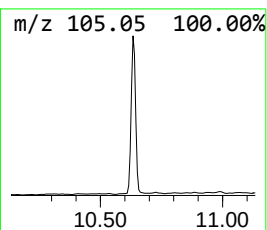
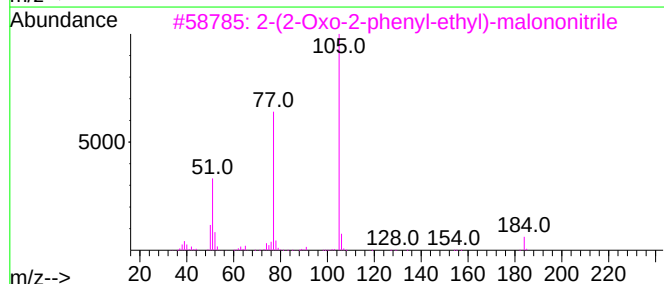
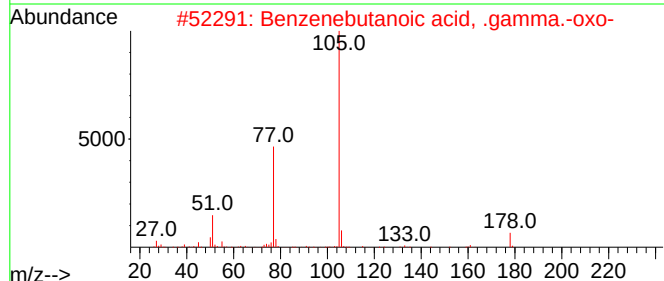
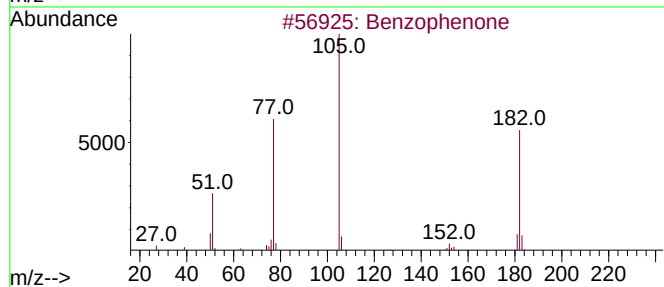
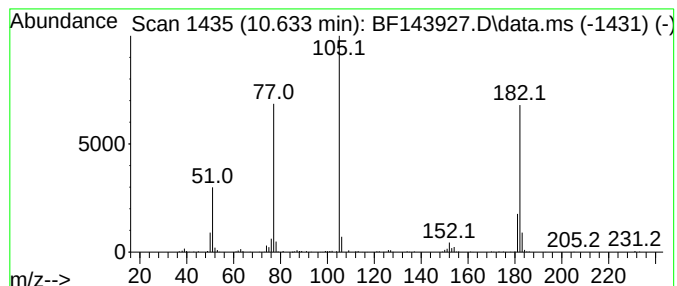
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	6.79 ng	317398	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47
3			2-(2-Oxo-2-phenyl-ethyl)-malononitrile	184	C11H8N2O	1000296-76-9	47
4			Benzene, (trimethoxymethyl)-	182	C10H14O3	000707-07-3	47
5			Ethanone, 2-bromo-1-phenyl-	198	C8H7BrO	000070-11-1	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

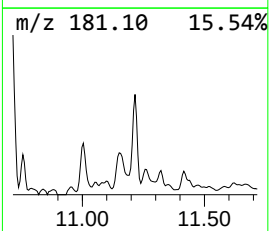
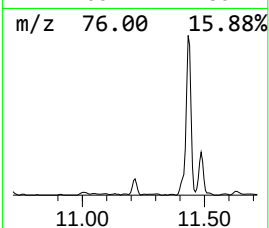
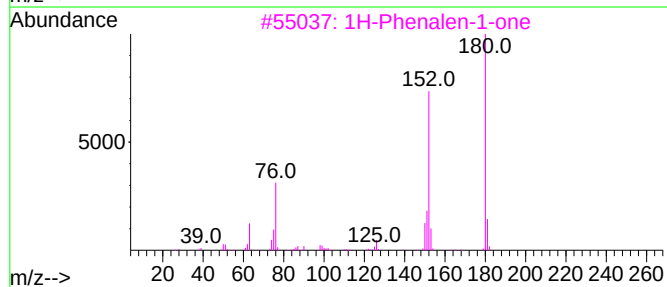
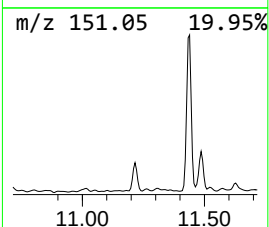
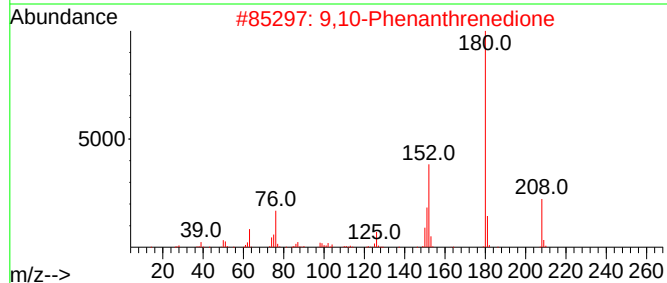
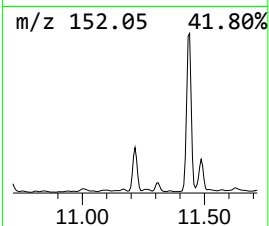
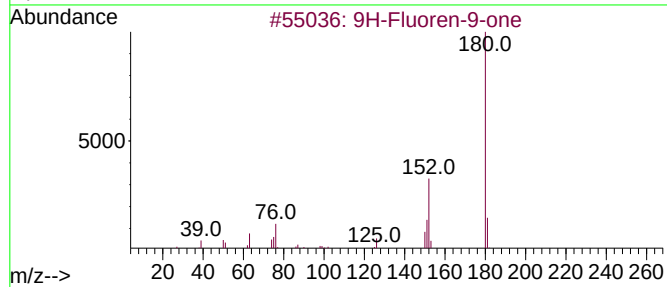
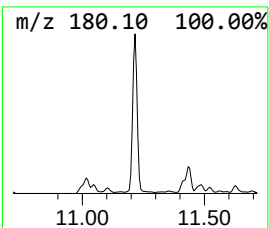
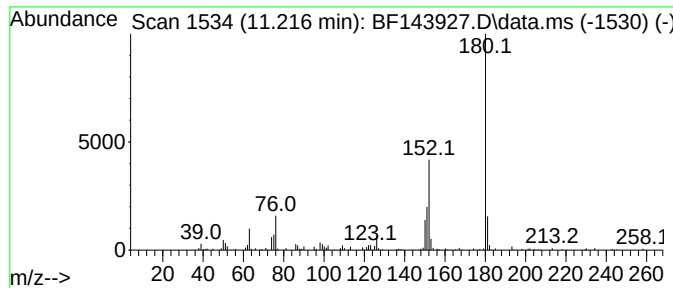
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	2.64 ng	104779	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4			Diphenic anhydride	224	C14H8O3	006050-13-1	64
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

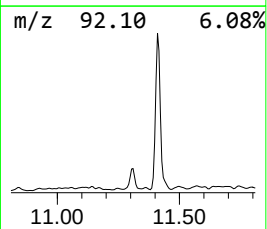
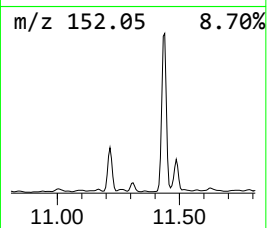
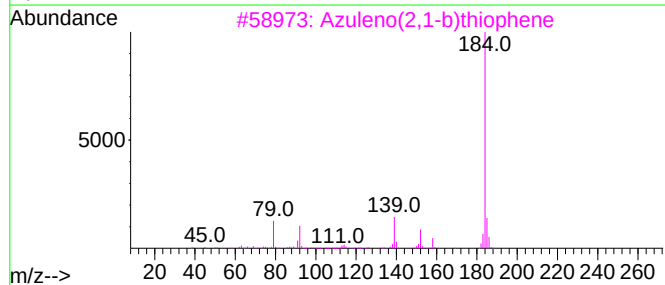
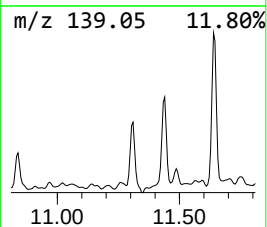
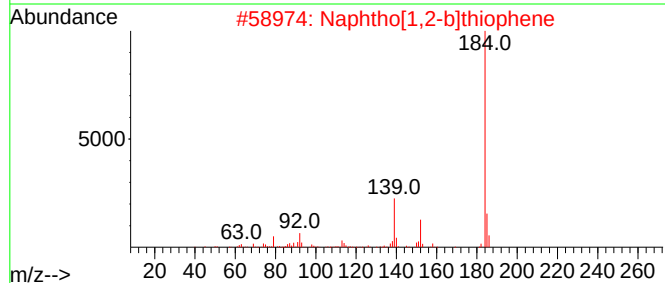
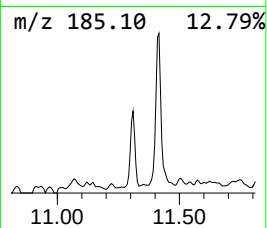
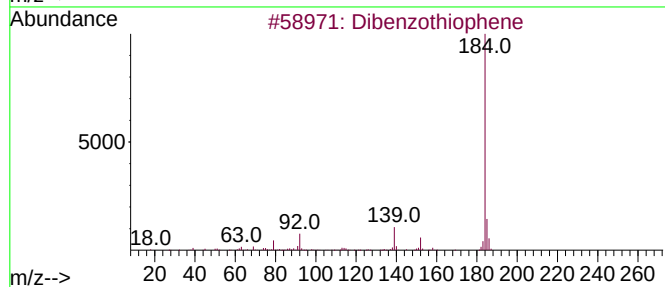
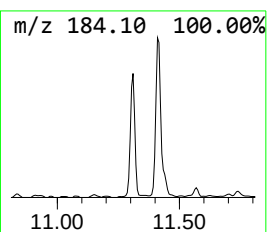
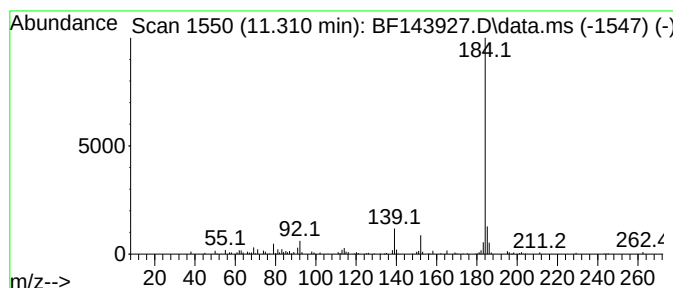
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.310	2.13 ng	84589	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

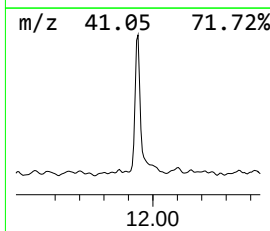
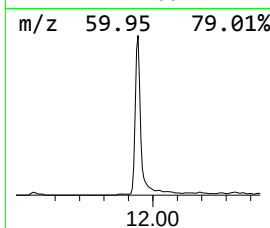
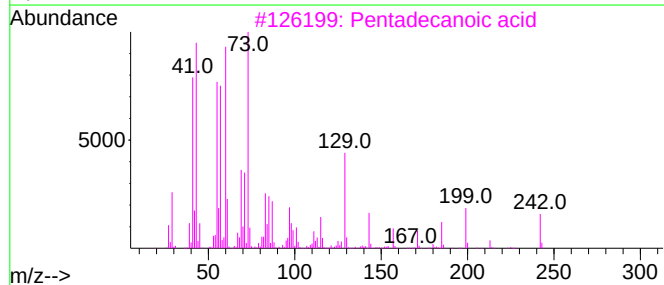
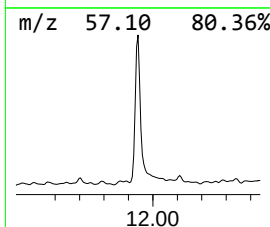
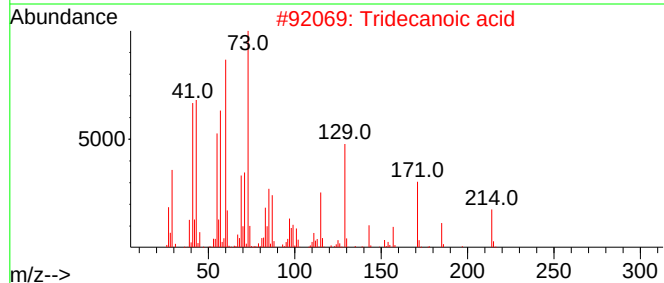
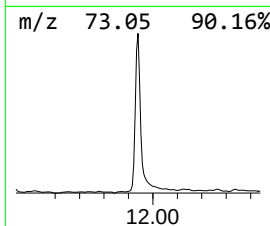
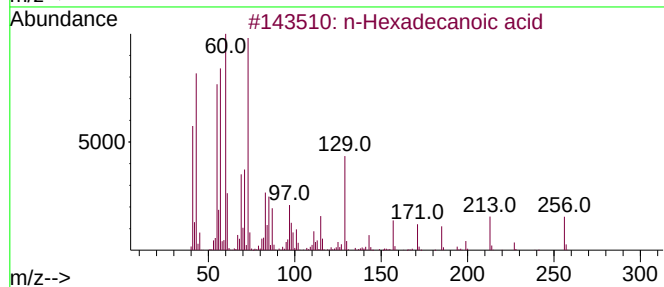
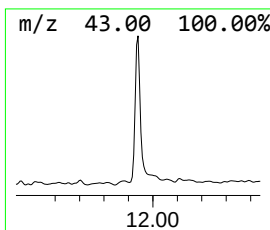
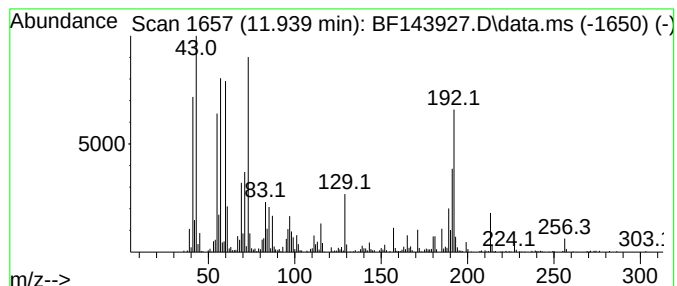
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	19.16 ng	759566	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	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			Octadecanoic acid	284	C18H36O2	000057-11-4	49
5			Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

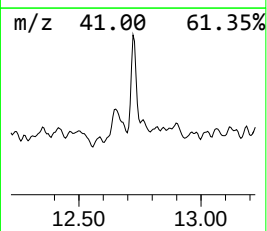
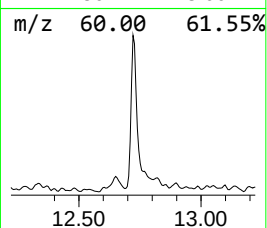
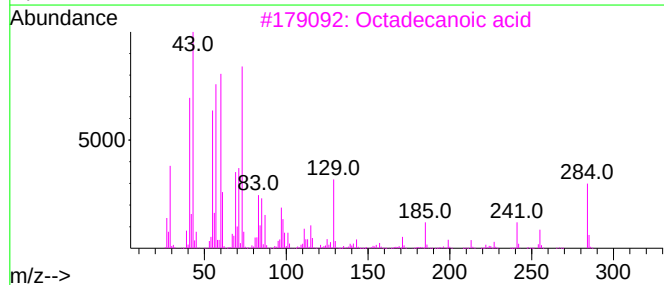
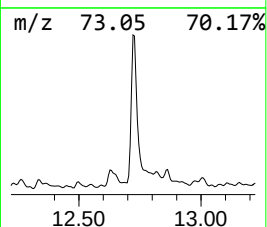
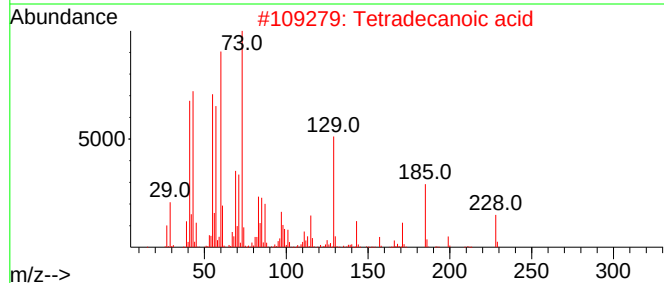
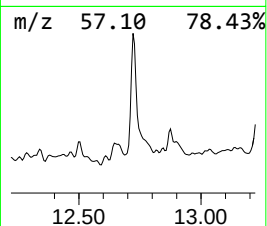
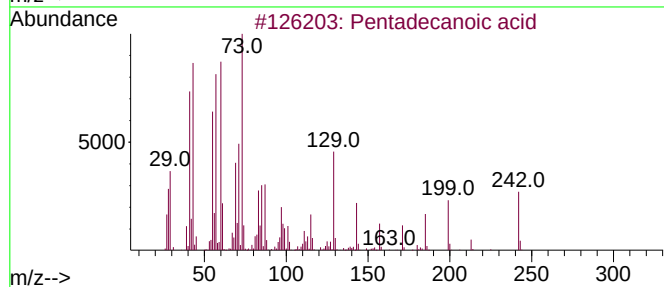
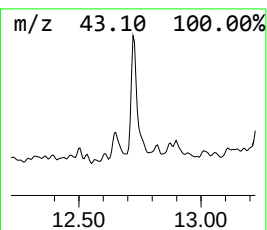
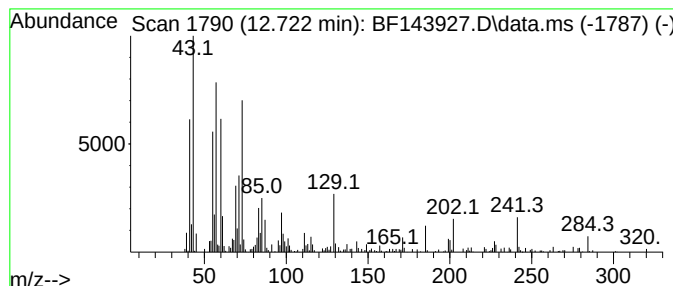
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Pentadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.722	3.94 ng	156320	Phenanthrene-d10	11.410

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	89
3			Octadecanoic acid	284	C18H36O2	000057-11-4	76
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

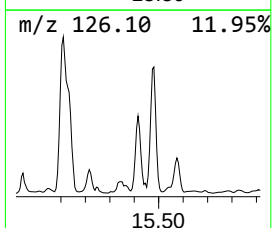
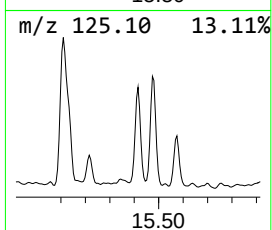
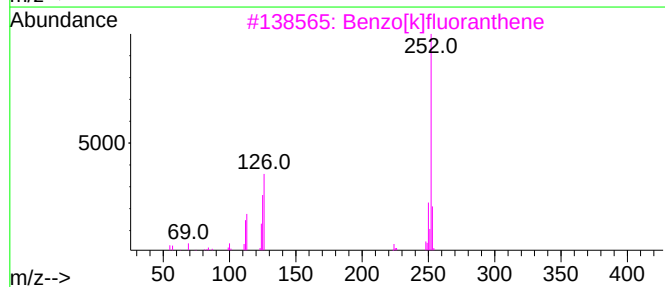
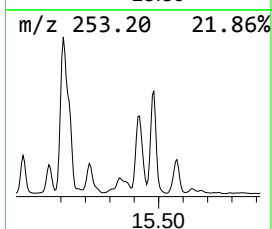
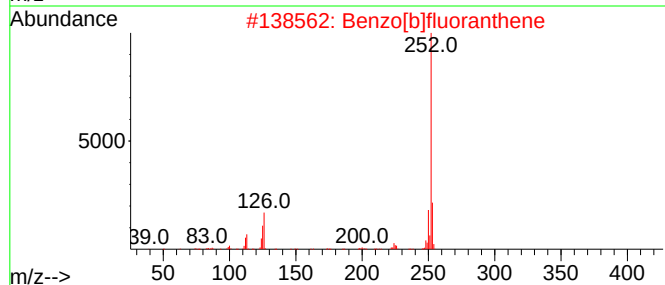
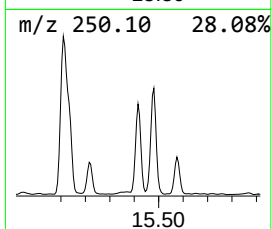
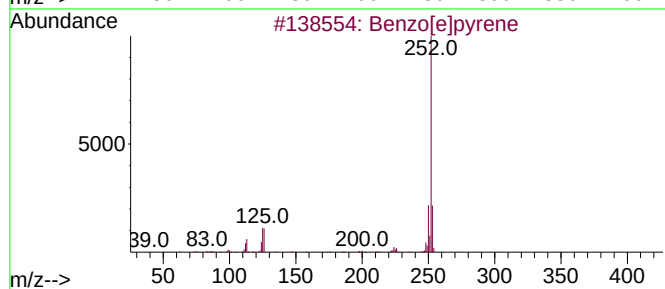
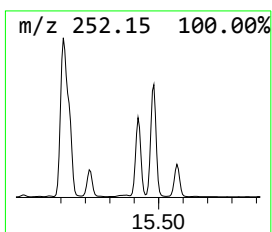
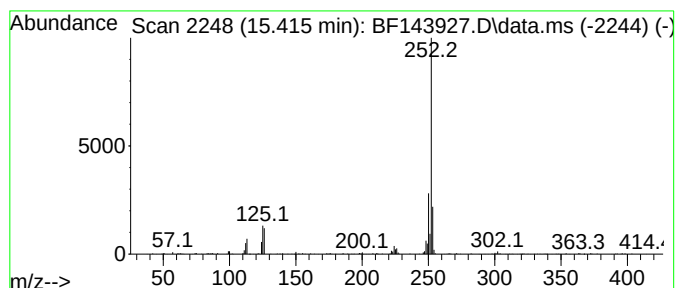
Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.415	8.60 ng	358793	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	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143927.D
Acq On : 10 Oct 2025 16:20
Operator : RC/JU
Sample : Q3310-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.633	6.8	ng	317398	3	9.922	935055	20.0
9H-Fluoren-9-one	11.216	2.6	ng	104779	4	11.410	792757	20.0
Dibenzothiophene	11.310	2.1	ng	84589	4	11.410	792757	20.0
n-Hexadecanoic ...	11.939	19.2	ng	759566	4	11.410	792757	20.0
Pentadecanoic acid	12.722	3.9	ng	156320	4	11.410	792757	20.0
Benzo[e]pyrene	15.415	8.6	ng	358793	6	15.545	834288	20.0

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-1-2
 Lab Sample ID: Q3310-02
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 72.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	210	U	1	210	450	ug/Kg	10/10/25 14:26	PB170055
108-95-2	Phenol	30.5	U	1	30.5	230	ug/Kg	10/10/25 14:26	PB170055
111-44-4	bis(2-Chloroethyl)ether	33.5	U	1	33.5	230	ug/Kg	10/10/25 14:26	PB170055
95-57-8	2-Chlorophenol	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:26	PB170055
95-48-7	2-Methylphenol	41.2	U	1	41.2	230	ug/Kg	10/10/25 14:26	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	51.7	U	1	51.7	230	ug/Kg	10/10/25 14:26	PB170055
98-86-2	Acetophenone	40.7	U	1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
65794-96-9	3+4-Methylphenols	56.6	U	1	56.6	450	ug/Kg	10/10/25 14:26	PB170055
621-64-7	n-Nitroso-di-n-propylamine	65.3	U	1	65.3	110	ug/Kg	10/10/25 14:26	PB170055
67-72-1	Hexachloroethane	24.3	U	1	24.3	230	ug/Kg	10/10/25 14:26	PB170055
98-95-3	Nitrobenzene	25.2	U	1	25.2	230	ug/Kg	10/10/25 14:26	PB170055
78-59-1	Isophorone	45.2	U	1	45.2	230	ug/Kg	10/10/25 14:26	PB170055
88-75-5	2-Nitrophenol	80.2	U	1	80.2	230	ug/Kg	10/10/25 14:26	PB170055
105-67-9	2,4-Dimethylphenol	89.3	U	1	89.3	230	ug/Kg	10/10/25 14:26	PB170055
111-91-1	bis(2-Chloroethoxy)methane	42.4	U	1	42.4	230	ug/Kg	10/10/25 14:26	PB170055
120-83-2	2,4-Dichlorophenol	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
91-20-3	Naphthalene	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
106-47-8	4-Chloroaniline	48.8	U	1	48.8	230	ug/Kg	10/10/25 14:26	PB170055
87-68-3	Hexachlorobutadiene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
105-60-2	Caprolactam	71.8	U	1	71.8	450	ug/Kg	10/10/25 14:26	PB170055
59-50-7	4-Chloro-3-methylphenol	39.5	U	1	39.5	230	ug/Kg	10/10/25 14:26	PB170055
91-57-6	2-Methylnaphthalene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
77-47-4	Hexachlorocyclopentadiene	160	U	1	160	450	ug/Kg	10/10/25 14:26	PB170055
88-06-2	2,4,6-Trichlorophenol	27.3	U	1	27.3	230	ug/Kg	10/10/25 14:26	PB170055
95-95-4	2,4,5-Trichlorophenol	40.1	U	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
92-52-4	1,1-Biphenyl	30.0	U	1	30.0	230	ug/Kg	10/10/25 14:26	PB170055
91-58-7	2-Chloronaphthalene	31.0	U	1	31.0	230	ug/Kg	10/10/25 14:26	PB170055
88-74-4	2-Nitroaniline	66.3	U	1	66.3	230	ug/Kg	10/10/25 14:26	PB170055
131-11-3	Dimethylphthalate	37.3	U	1	37.3	230	ug/Kg	10/10/25 14:26	PB170055
208-96-8	Acenaphthylene	39.8	U	1	39.8	230	ug/Kg	10/10/25 14:26	PB170055
606-20-2	2,6-Dinitrotoluene	46.3	U	1	46.3	230	ug/Kg	10/10/25 14:26	PB170055
99-09-2	3-Nitroaniline	63.4	U	1	63.4	230	ug/Kg	10/10/25 14:26	PB170055
83-32-9	Acenaphthene	29.4	U	1	29.4	230	ug/Kg	10/10/25 14:26	PB170055
51-28-5	2,4-Dinitrophenol	320	U	1	320	450	ug/Kg	10/10/25 14:26	PB170055
100-02-7	4-Nitrophenol	150	U	1	150	450	ug/Kg	10/10/25 14:26	PB170055
132-64-9	Dibenzofuran	31.3	U	1	31.3	230	ug/Kg	10/10/25 14:26	PB170055
121-14-2	2,4-Dinitrotoluene	69.0	U	1	69.0	230	ug/Kg	10/10/25 14:26	PB170055
84-66-2	Diethylphthalate	39.0	U	1	39.0	230	ug/Kg	10/10/25 14:26	PB170055
7005-72-3	4-Chlorophenyl-phenylether	36.8	U	1	36.8	230	ug/Kg	10/10/25 14:26	PB170055
86-73-7	Fluorene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
100-01-6	4-Nitroaniline	88.5	U	1	88.5	230	ug/Kg	10/10/25 14:26	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	450	ug/Kg	10/10/25 14:26	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-1-2
 Lab Sample ID: Q3310-02
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.07 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 72.4
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	45.3	U	1	45.3	230	ug/Kg	10/10/25 14:26	PB170055
101-55-3	4-Bromophenyl-phenylether	38.3	U	1	38.3	230	ug/Kg	10/10/25 14:26	PB170055
118-74-1	Hexachlorobenzene	34.9	U	1	34.9	230	ug/Kg	10/10/25 14:26	PB170055
1912-24-9	Atrazine	46.9	U	1	46.9	230	ug/Kg	10/10/25 14:26	PB170055
87-86-5	Pentachlorophenol	70.7	U	1	70.7	450	ug/Kg	10/10/25 14:26	PB170055
85-01-8	Phenanthrene	550		1	28.8	230	ug/Kg	10/10/25 14:26	PB170055
120-12-7	Anthracene	150	J	1	45.9	230	ug/Kg	10/10/25 14:26	PB170055
86-74-8	Carbazole	43.0	U	1	43.0	230	ug/Kg	10/10/25 14:26	PB170055
84-74-2	Di-n-butylphthalate	66.0	U	1	66.0	230	ug/Kg	10/10/25 14:26	PB170055
206-44-0	Fluoranthene	750		1	41.3	230	ug/Kg	10/10/25 14:26	PB170055
129-00-0	Pyrene	470		1	49.6	230	ug/Kg	10/10/25 14:26	PB170055
85-68-7	Butylbenzylphthalate	98.4	U	1	98.4	230	ug/Kg	10/10/25 14:26	PB170055
91-94-1	3,3-Dichlorobenzidine	50.6	U	1	50.6	450	ug/Kg	10/10/25 14:26	PB170055
56-55-3	Benzo(a)anthracene	380		1	31.7	230	ug/Kg	10/10/25 14:26	PB170055
218-01-9	Chrysene	300		1	27.4	230	ug/Kg	10/10/25 14:26	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	81.6	U	1	81.6	230	ug/Kg	10/10/25 14:26	PB170055
117-84-0	Di-n-octyl phthalate	120	U	1	120	450	ug/Kg	10/10/25 14:26	PB170055
205-99-2	Benzo(b)fluoranthene	390		1	26.2	230	ug/Kg	10/10/25 14:26	PB170055
207-08-9	Benzo(k)fluoranthene	150	J	1	30.9	230	ug/Kg	10/10/25 14:26	PB170055
50-32-8	Benzo(a)pyrene	320		1	40.7	230	ug/Kg	10/10/25 14:26	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	1	40.1	230	ug/Kg	10/10/25 14:26	PB170055
53-70-3	Dibenzo(a,h)anthracene	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055
191-24-2	Benzo(g,h,i)perylene	170	J	1	35.4	230	ug/Kg	10/10/25 14:26	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	35.3	U	1	35.3	230	ug/Kg	10/10/25 14:26	PB170055
123-91-1	1,4-Dioxane	62.3	U	1	62.3	230	ug/Kg	10/10/25 14:26	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	37.8	U	1	37.8	230	ug/Kg	10/10/25 14:26	PB170055

SURROGATES

367-12-4	2-Fluorophenol	78.4			18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	75.7			15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.3			18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3			20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	68.9			10 - 116	46%	SPK: 150
1718-51-0	Terphenyl-d14	37.7			10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	111000
1146-65-2	Naphthalene-d8	410000
15067-26-2	Acenaphthene-d10	210000
1517-22-2	Phenanthrene-d10	320000
1719-03-5	Chrysene-d12	259000
1520-96-3	Perylene-d12	302000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	920	J		11.9	ug/Kg

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-1-2	SDG No.:	Q3310
Lab Sample ID:	Q3310-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	72.4
Sample Wt/Vol:	30.07 g	Final Vol:	1000 uL
Prep Method :	SW3541	Test:	SVOC-TCL BNA -20
	Level : LOW		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	490	J			12.7	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\BF101025\
 Data File : BF143923.D
 Acq On : 10 Oct 2025 14:26
 Operator : RC/JU
 Sample : Q3310-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-1-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 14:53:27 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	110739	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	410150	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	209594	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	320160	20.000	ng	0.00
76) Chrysene-d12	14.063	240	259025	20.000	ng	0.00
86) Perylene-d12	15.545	264	301506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	546641	78.388	ng	0.00
7) Phenol-d6	6.504	99	629141	75.689	ng	-0.01
23) Nitrobenzene-d5	7.440	82	373550	55.333	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	143882	68.922	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	664539	50.309	ng	-0.01
79) Terphenyl-d14	12.998	244	571567	37.713	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	186761	12.032	ng	98
72) Anthracene	11.486	178	50240	3.204	ng	96
75) Fluoranthene	12.627	202	260534	16.250	ng	98
78) Pyrene	12.857	202	219683	10.173	ng	97
81) Benzo(a)anthracene	14.051	228	138868	8.192	ng	# 93
83) Chrysene	14.086	228	104158	6.639	ng	# 90
87) Indeno(1,2,3-cd)pyrene	17.039	276	56014	3.032	ng	96
88) Benzo(b)fluoranthene	15.110	252	146866m	8.480	ng	
89) Benzo(k)fluoranthene	15.127	252	52353m	3.267	ng	
90) Benzo(a)pyrene	15.480	252	104350	6.948	ng	# 92
92) Benzo(g,h,i)perylene	17.492	276	53843	3.624	ng	# 91

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

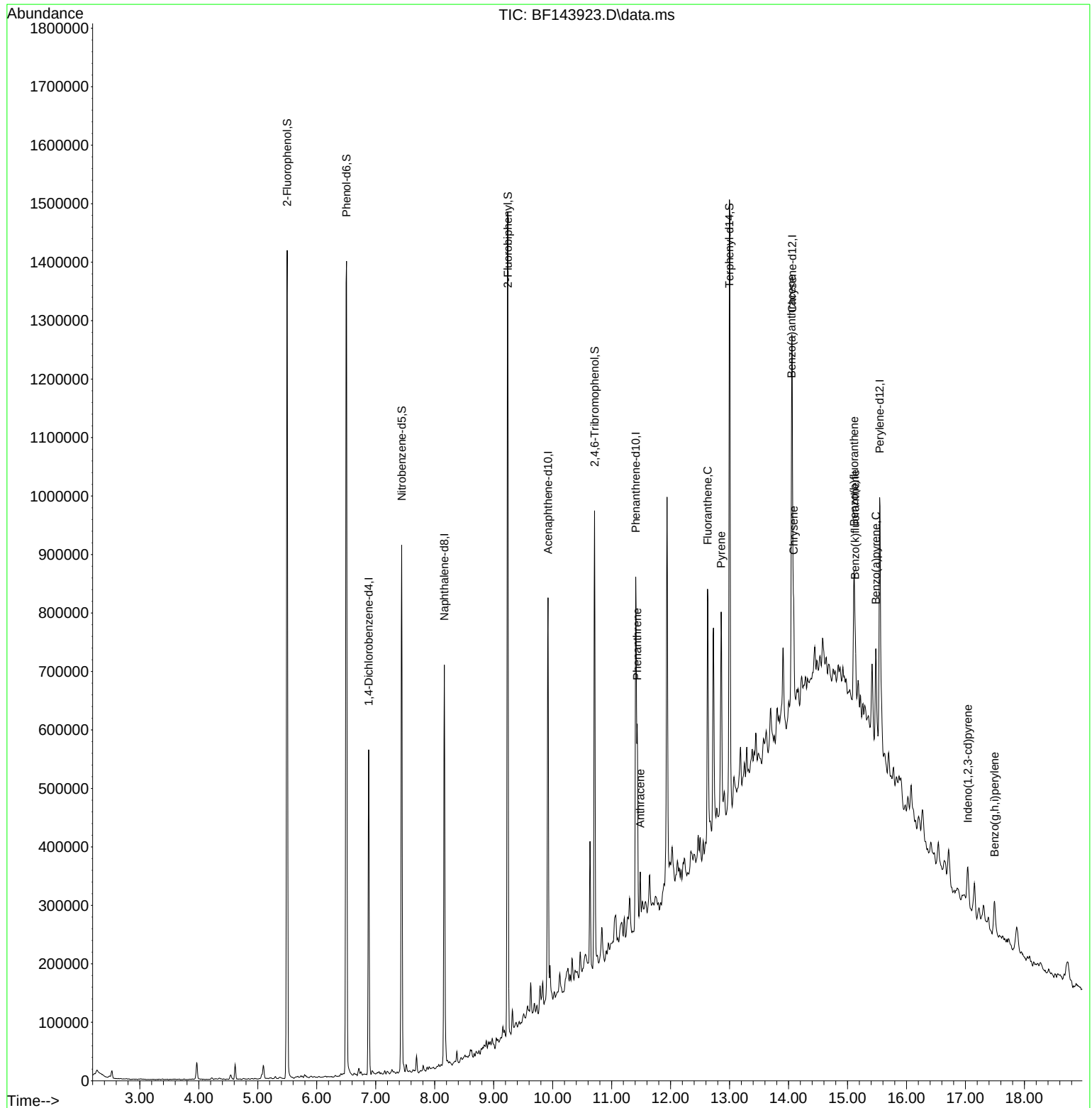
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

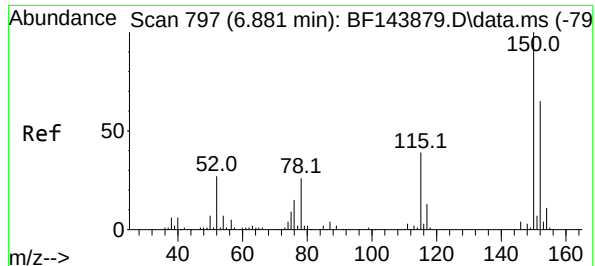
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

Quant Time: Oct 10 14:53:27 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

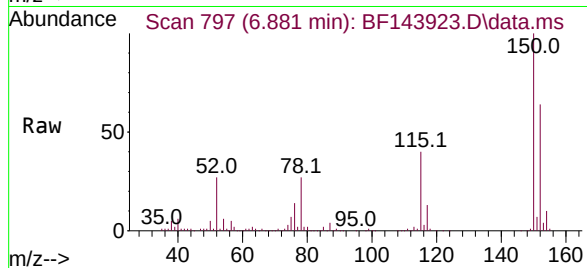
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

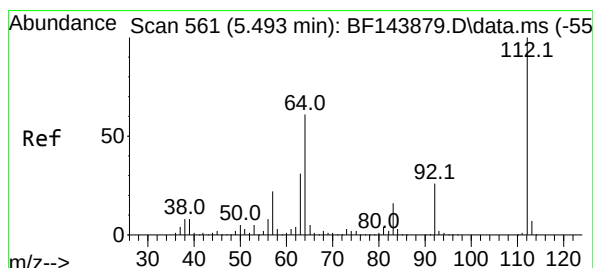
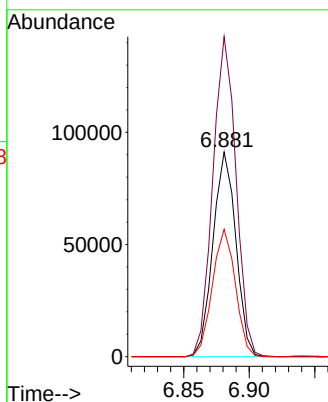
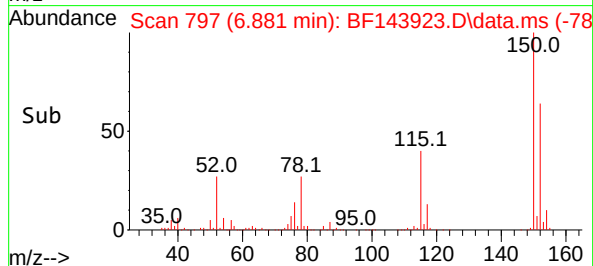
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2



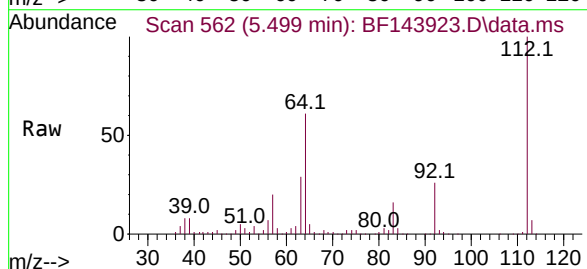
Tgt Ion:152 Resp: 110739
Ion Ratio Lower Upper
152 100
150 156.5 124.4 186.6
115 62.2 48.1 72.1

Manual Integrations
APPROVED

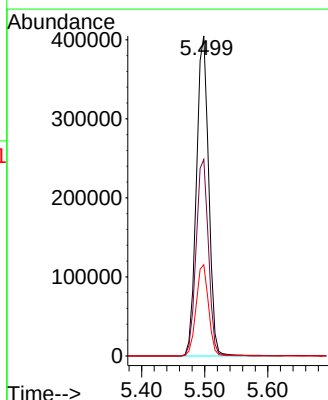
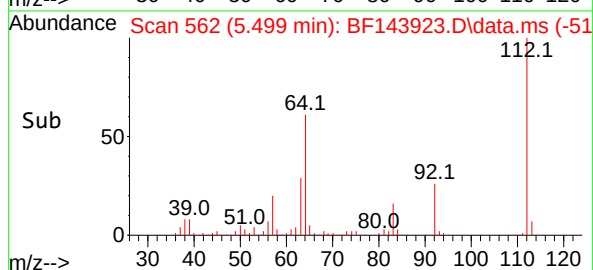
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

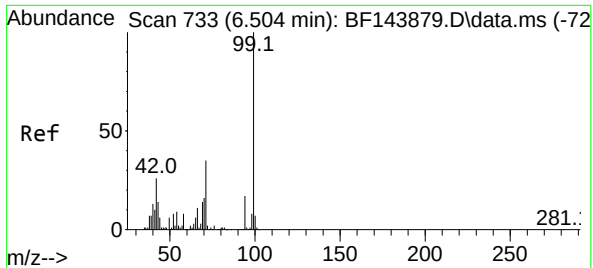


#5
2-Fluorophenol
Concen: 78.388 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26



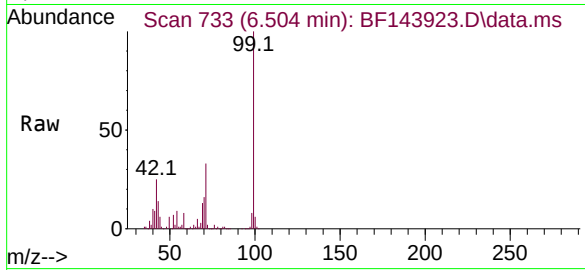
Tgt Ion:112 Resp: 546641
Ion Ratio Lower Upper
112 100
64 61.4 49.1 73.7
63 28.5 24.5 36.7





#7
Phenol-d6
Concen: 75.689 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

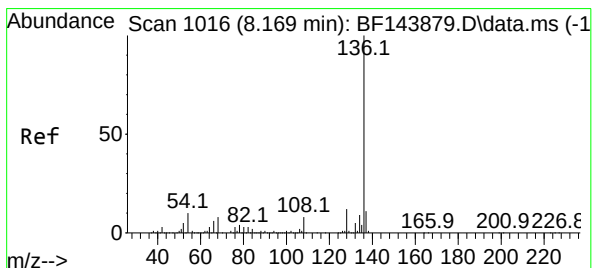
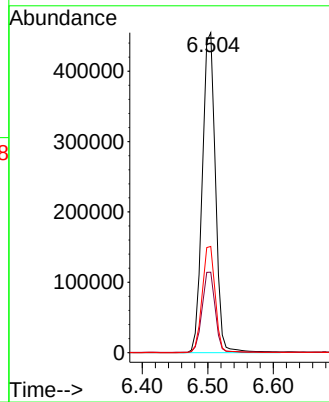
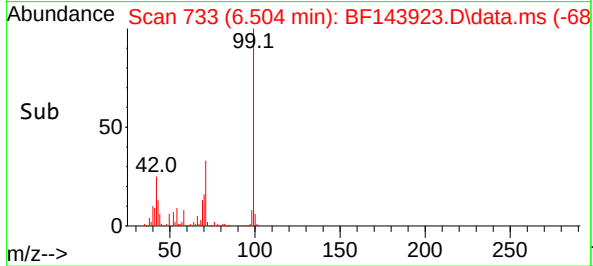
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2



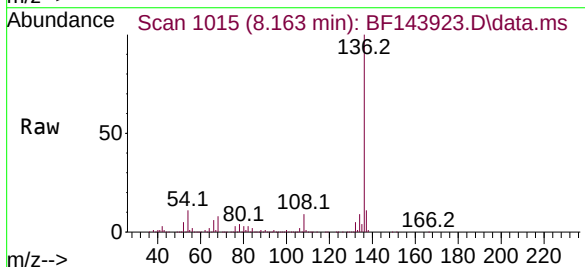
Tgt Ion: 99 Resp: 62914
Ion Ratio Lower Upper
99 100
42 25.1 21.0 31.4
71 33.2 27.8 41.8

Manual Integrations
APPROVED

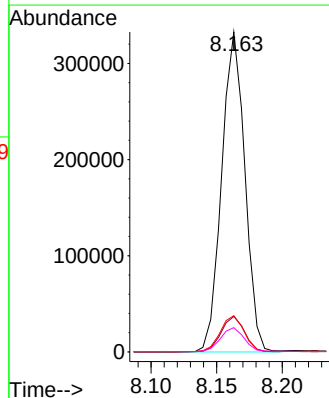
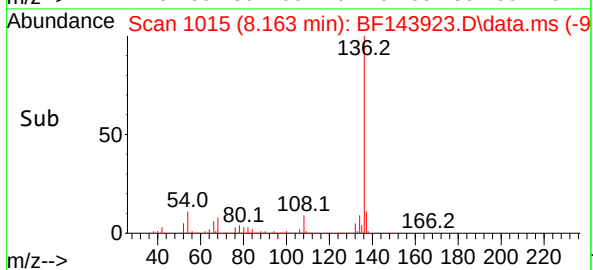
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

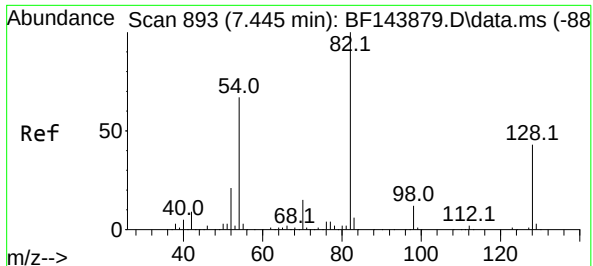


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26



Tgt Ion:136 Resp: 410150
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.3 8.2 12.4
68 7.6 6.2 9.4





#23

Nitrobenzene-d5

Concen: 55.333 ng

RT: 7.440 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF143923.D

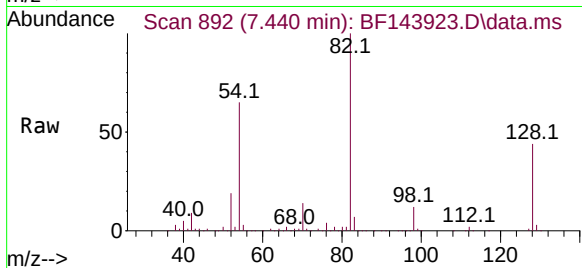
Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2



Tgt Ion: 82 Resp: 373550

Ion Ratio Lower Upper

82 100

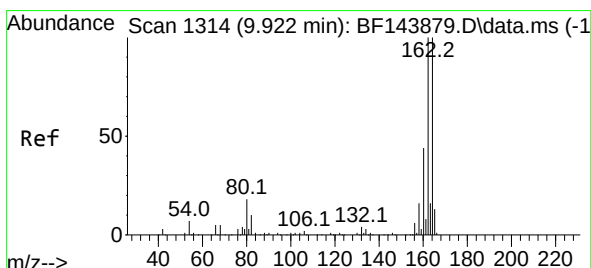
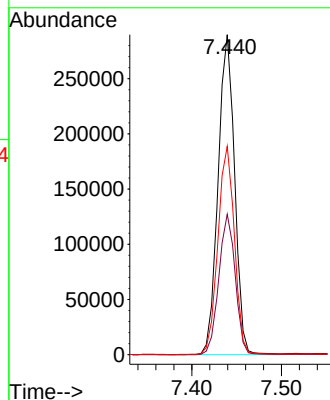
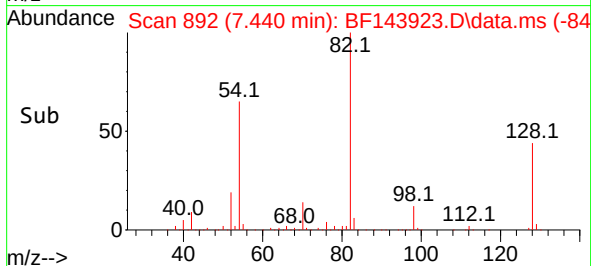
128 43.9 34.0 51.0

54 65.1 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

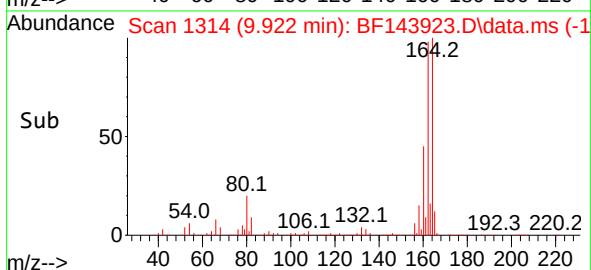
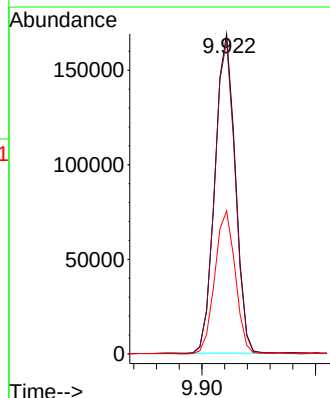
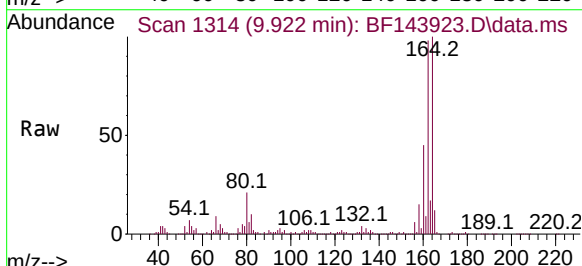
Tgt Ion:164 Resp: 209594

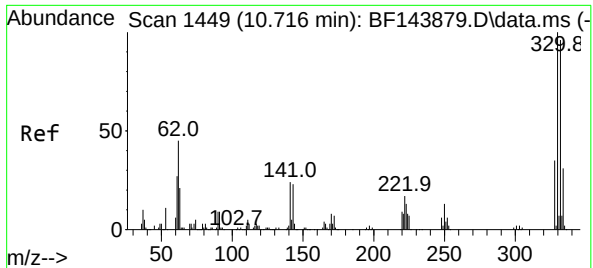
Ion Ratio Lower Upper

164 100

162 97.9 80.2 120.2

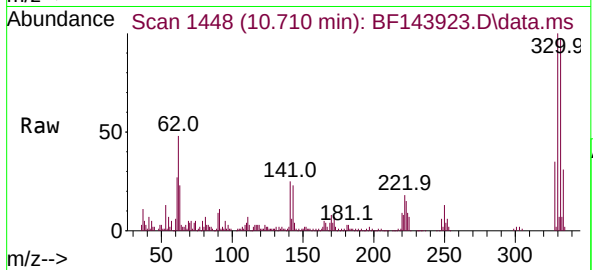
160 44.7 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 68.922 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

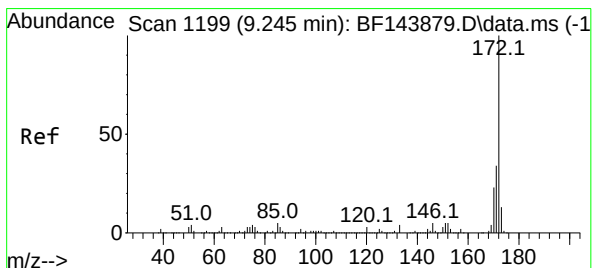
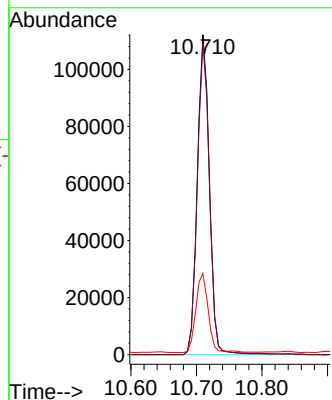
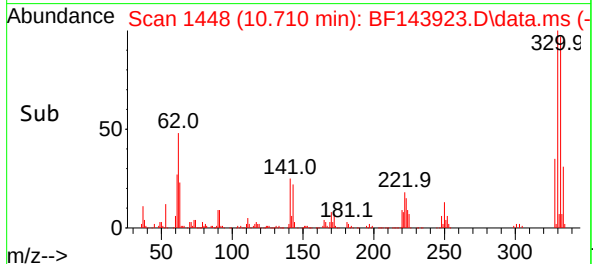
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2



Tgt Ion: 330 Resp: 143882
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 24.7 20.2 30.4

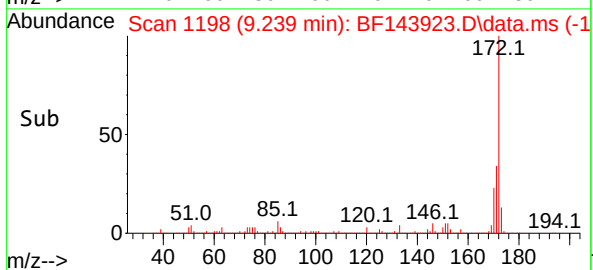
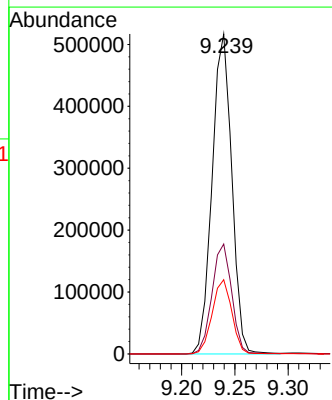
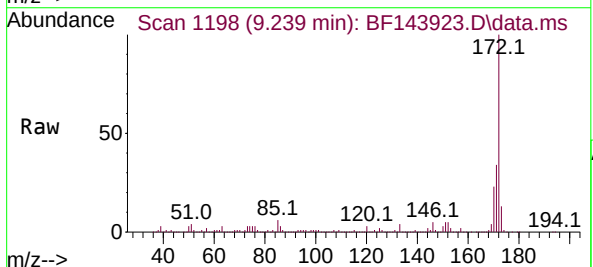
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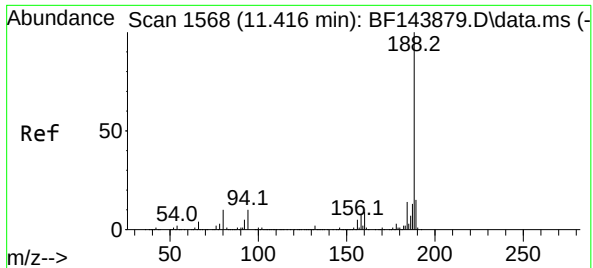
Reviewed By : Jagrut Upadhyay 10/13/2025
Supervised By : mohammad ahmed 10/15/2025



#45
2-Fluorobiphenyl
Concen: 50.309 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

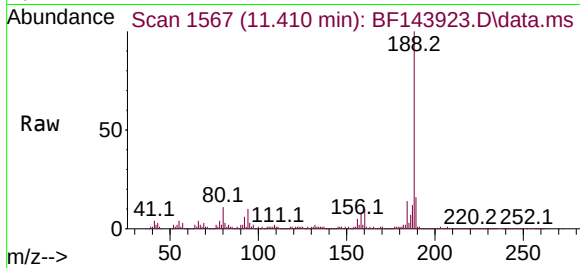
Tgt Ion: 172 Resp: 664539
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

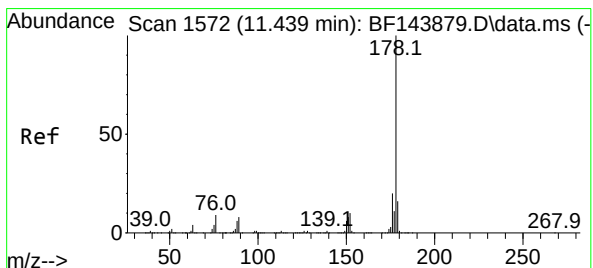
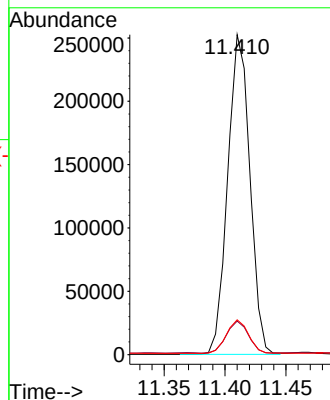
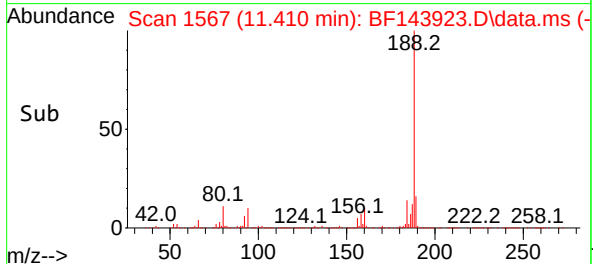
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2



Tgt Ion:188 Resp: 320160
Ion Ratio Lower Upper
188 100
94 10.5 7.8 11.6
80 10.9 7.9 11.9

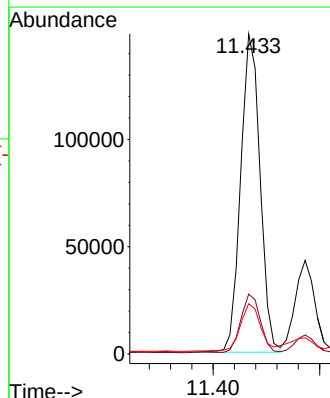
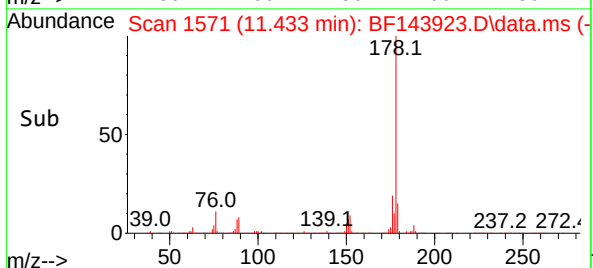
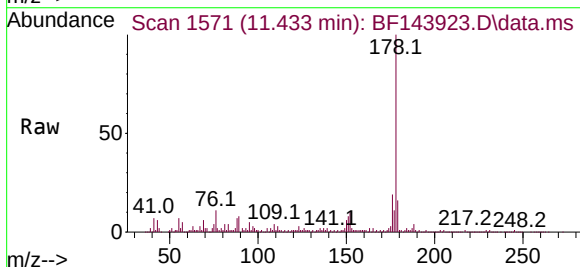
Manual Integrations
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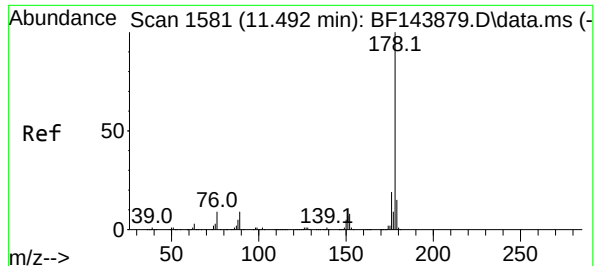
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#71
Phenanthrene
Concen: 12.032 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143923.D
Acq: 10 Oct 2025 14:26

Tgt Ion:178 Resp: 186761
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.7 12.4 18.6





#72

Anthracene

Concen: 3.204 ng

RT: 11.486 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2

Tgt Ion:178 Resp: 50240

Ion Ratio Lower Upper

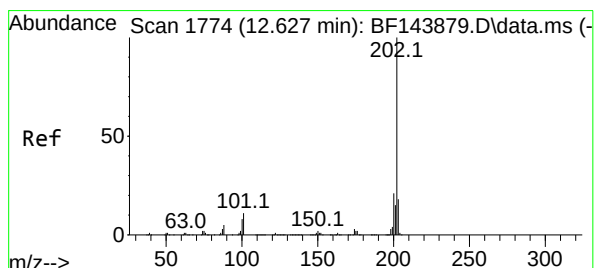
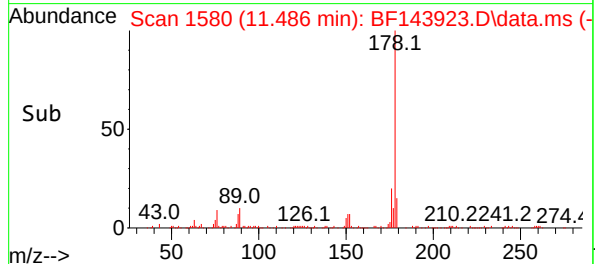
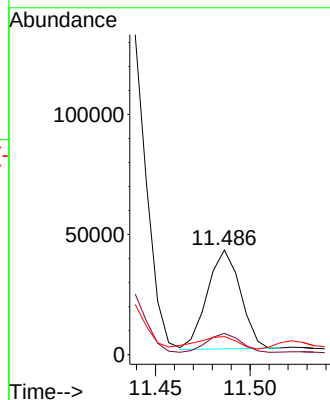
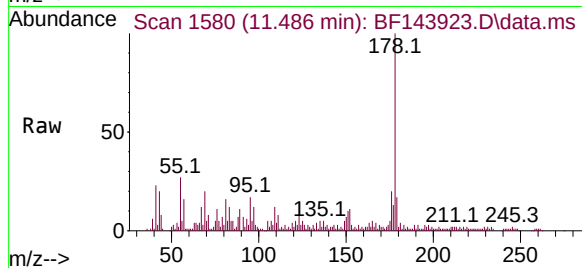
178 100

176 20.3 14.9 22.3

179 17.2 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#75

Fluoranthene

Concen: 16.250 ng

RT: 12.627 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

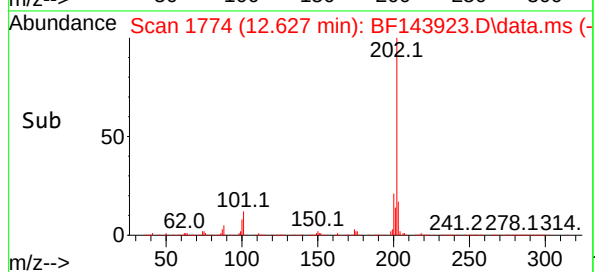
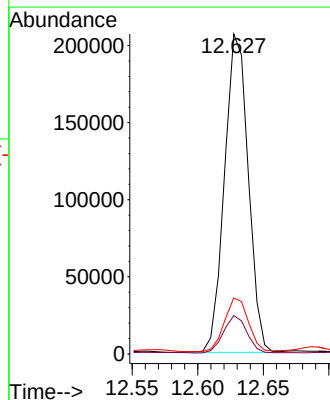
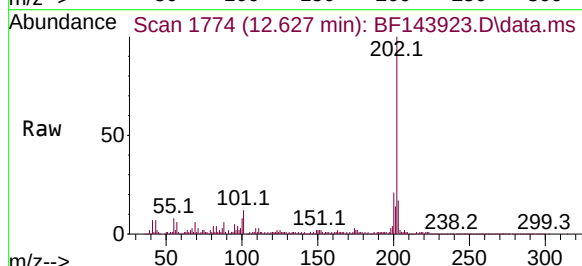
Tgt Ion:202 Resp: 260534

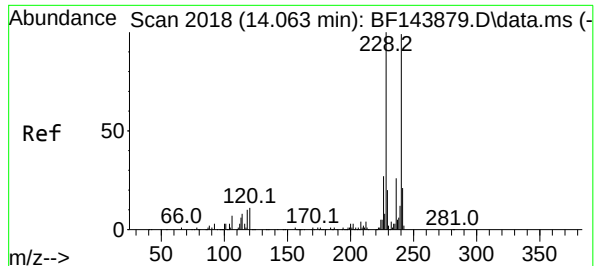
Ion Ratio Lower Upper

202 100

101 12.0 0.0 30.7

203 17.5 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: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

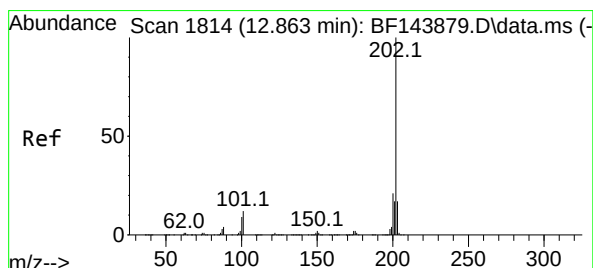
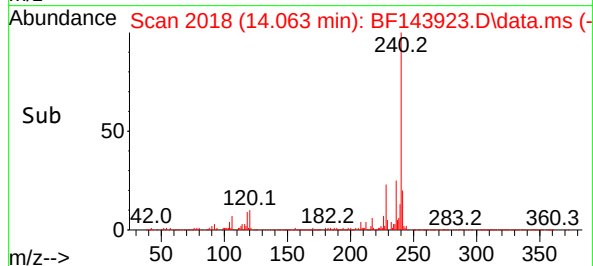
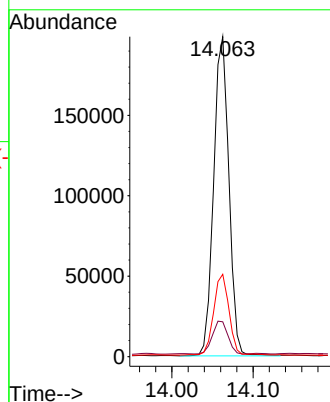
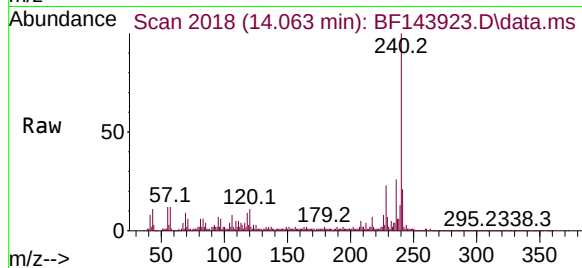
SS-01-1-2

Tgt Ion:	240	Resp:	259025
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.6	13.0
236	25.7	21.1	31.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025



#78

Pyrene

Concen: 10.173 ng

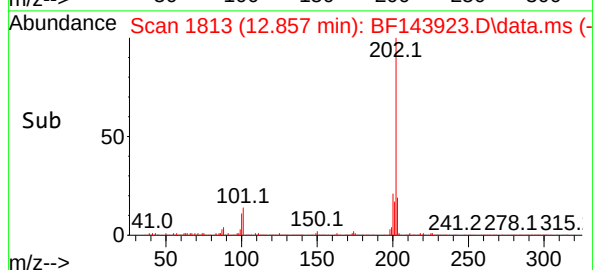
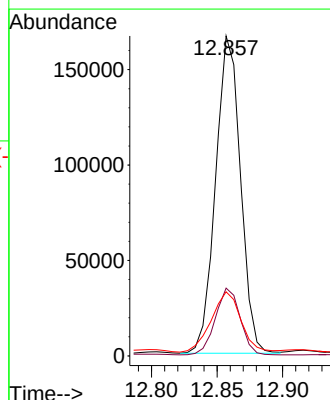
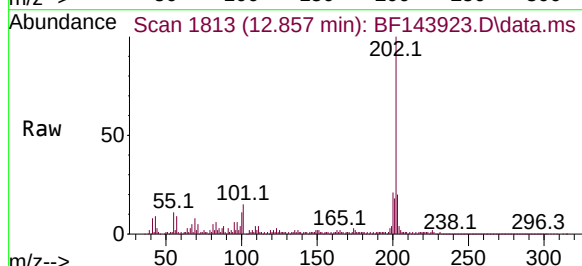
RT: 12.857 min Scan# 1813

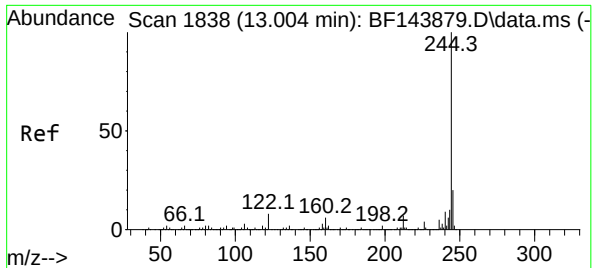
Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Tgt Ion:	202	Resp:	219683
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.6
203	20.0	13.8	20.6





#79

Terphenyl-d14

Concen: 37.713 ng

RT: 12.998 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2

Tgt Ion:244 Resp: 571562

Ion Ratio Lower Upper

244 100

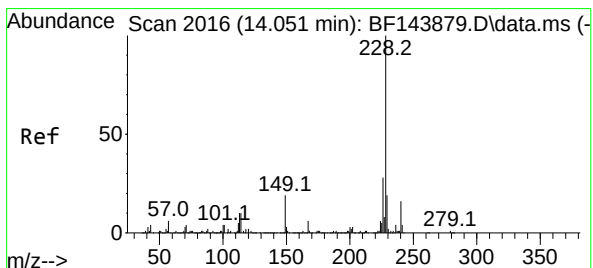
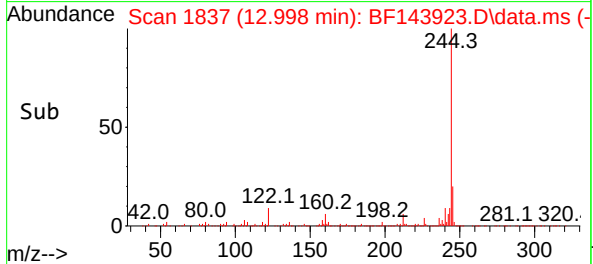
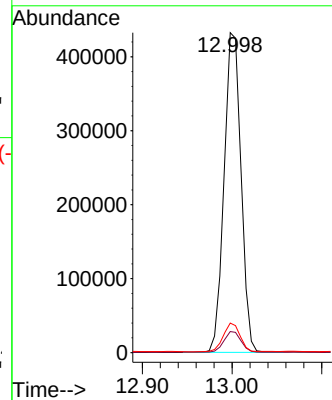
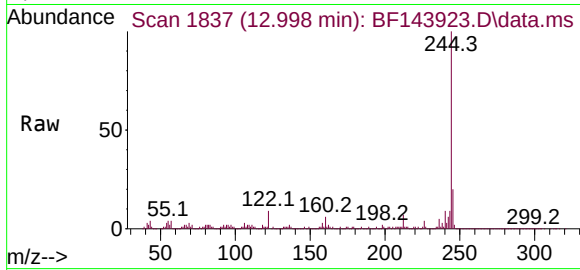
212 6.6 5.4 8.0

122 9.2 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025



#81

Benzo(a)anthracene

Concen: 8.192 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

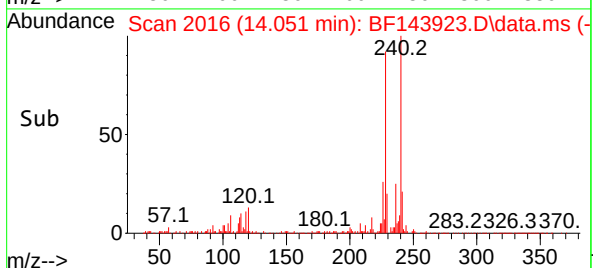
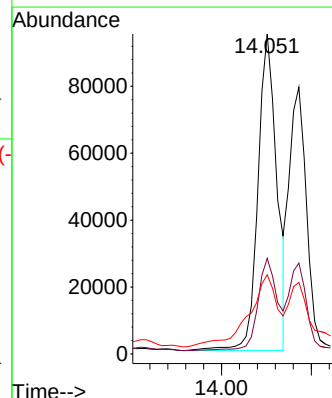
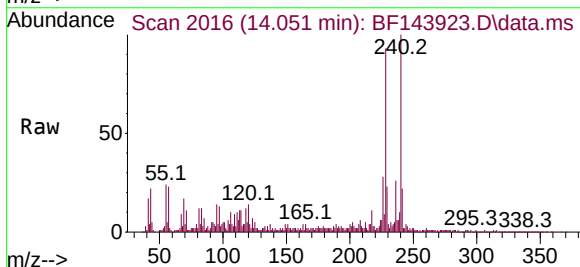
Tgt Ion:228 Resp: 138868

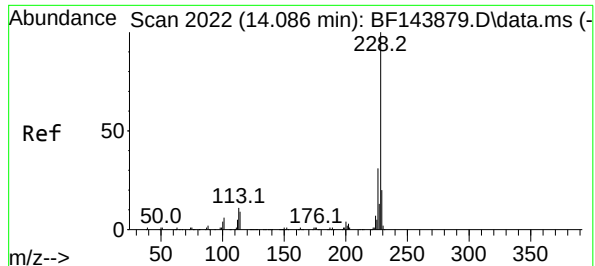
Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.2

229 24.7 15.6 23.4#





#83

Chrysene

Concen: 6.639 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2

Tgt Ion:228 Resp: 104158

Ion Ratio Lower Upper

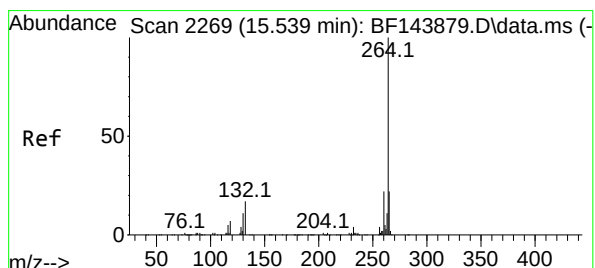
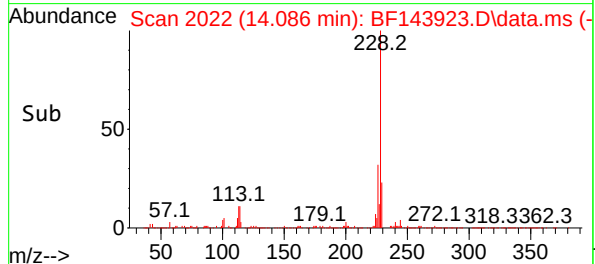
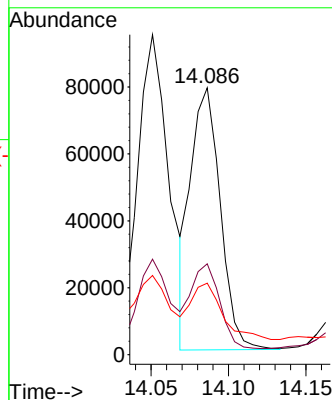
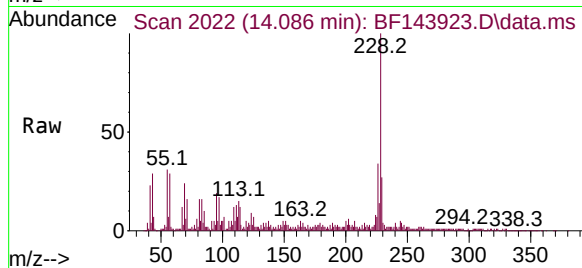
228 100

226 34.0 24.4 36.6

229 26.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

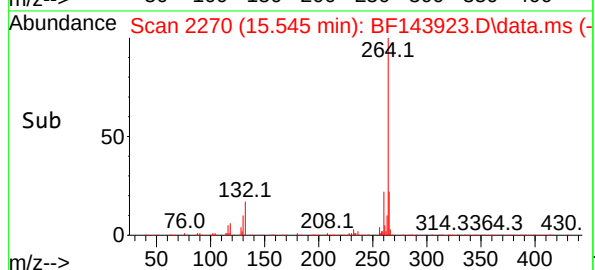
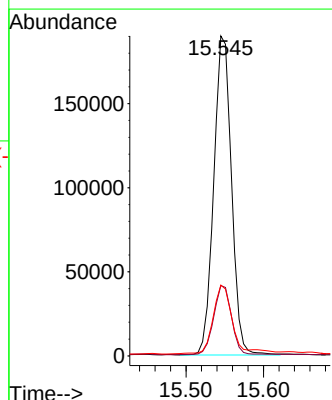
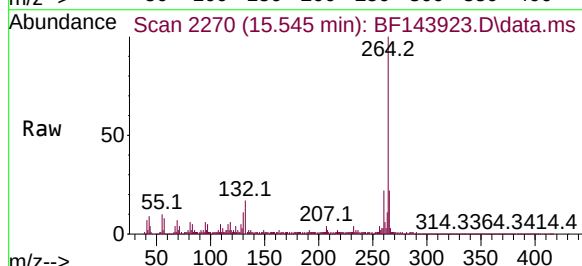
Tgt Ion:264 Resp: 301506

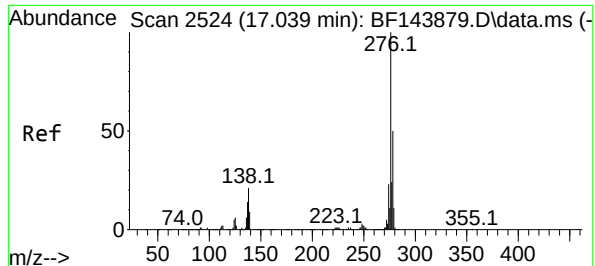
Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.032 ng

RT: 17.039 min Scan# 2196

Delta R.T. -0.017 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2

Tgt Ion:276 Resp: 56014

Ion Ratio Lower Upper

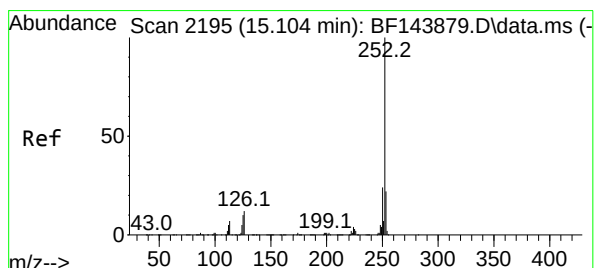
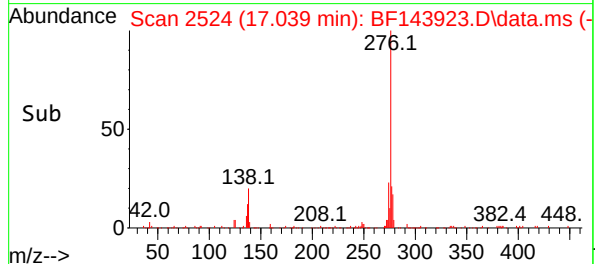
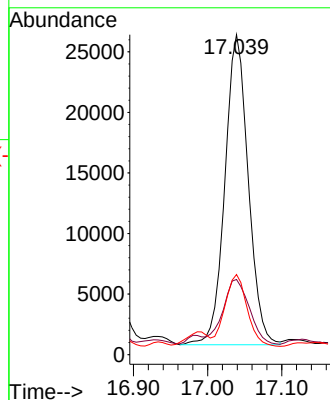
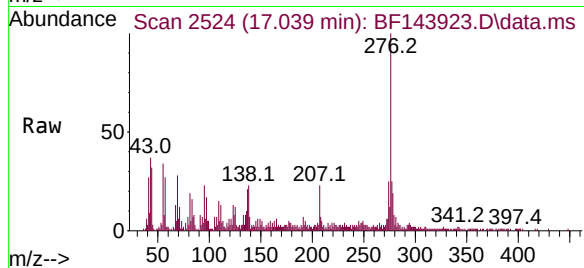
276 100

138 23.8 18.2 27.2

277 22.1 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#88

Benzo(b)fluoranthene

Concen: 8.480 ng m

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

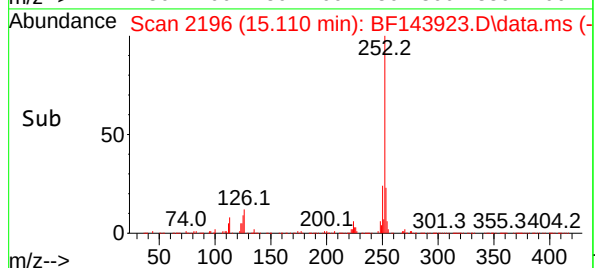
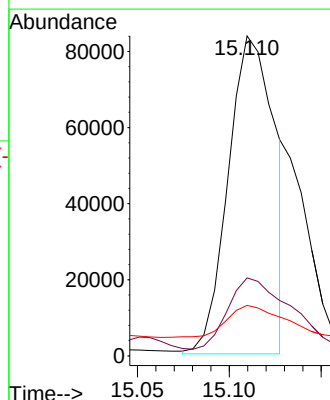
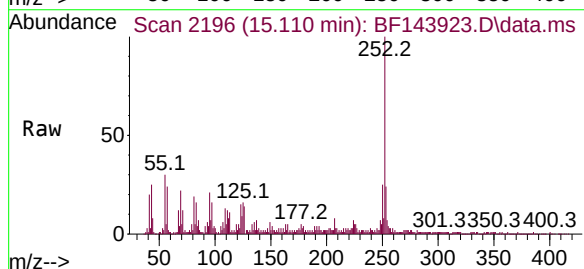
Tgt Ion:252 Resp: 146866

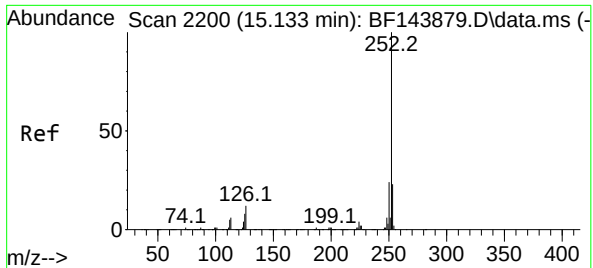
Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 15.8 7.8 11.6#





#89

Benzo(k)fluoranthene

Concen: 3.267 ng m

RT: 15.127 min Scan# 2199

Delta R.T. -0.017 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

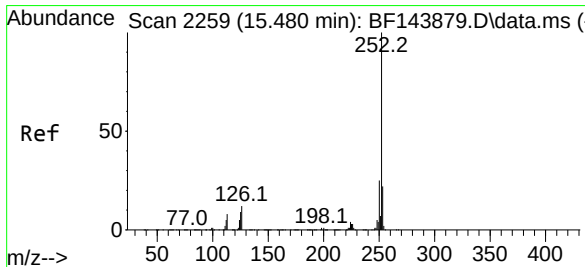
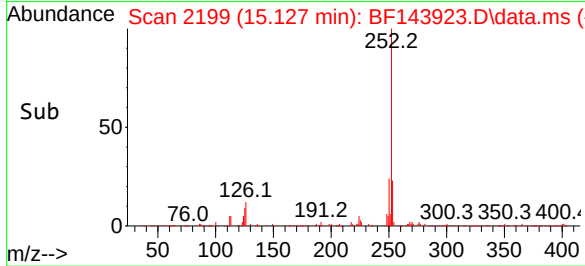
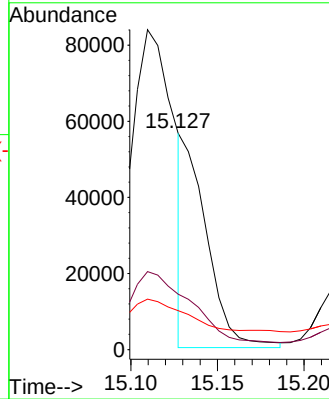
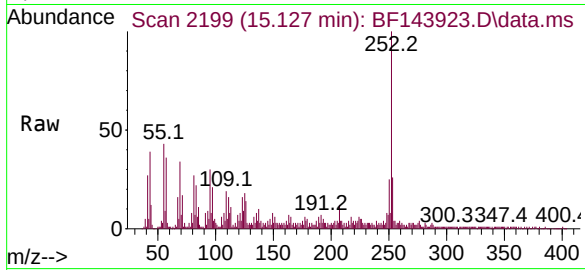
SS-01-1-2

Tgt Ion:	252	Resp:	5235
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.8	26.8
125	18.0	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025



#90

Benzo(a)pyrene

Concen: 6.948 ng

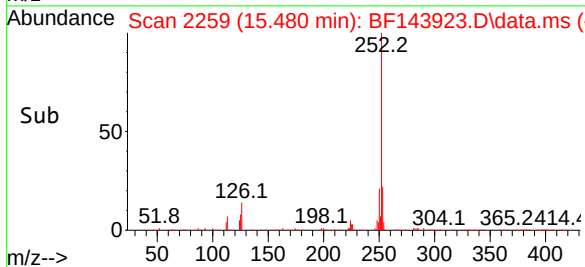
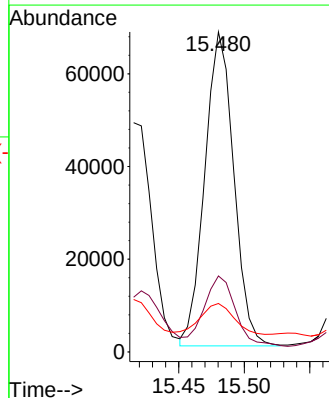
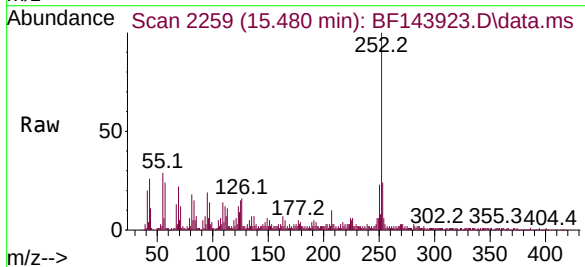
RT: 15.480 min Scan# 2259

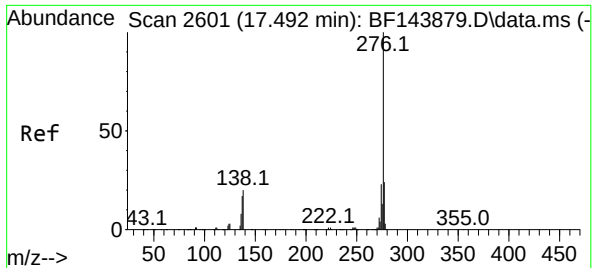
Delta R.T. -0.006 min

Lab File: BF143923.D

Acq: 10 Oct 2025 14:26

Tgt Ion:	252	Resp:	104350
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.3	25.9
125	15.1	7.0	10.4





#92

Benzo(g,h,i)perylene

Concen: 3.624 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF143923.D

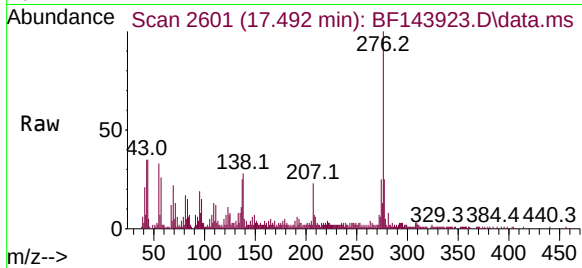
Acq: 10 Oct 2025 14:26

Instrument :

BNA_F

ClientSampleId :

SS-01-1-2



Tgt Ion:276 Resp: 5384

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.6

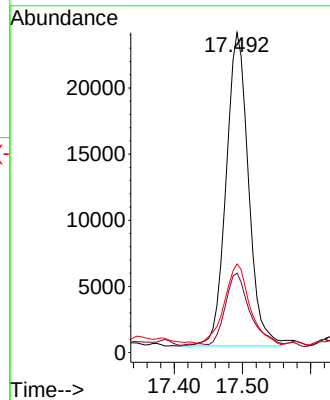
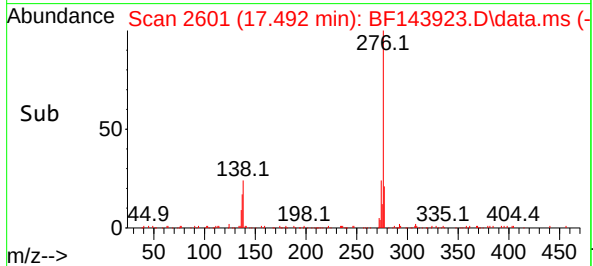
138 27.7 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025

Supervised By :mohammad ahmed 10/15/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143923.D
 Acq On : 10 Oct 2025 14:26
 Operator : RC/JU
 Sample : Q3310-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-1-2

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: BF143923.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.275	9	14	38	rVB6	11610	58655	3.04%	0.320%
2	2.528	52	57	62	rVB	12573	20282	1.05%	0.111%
3	3.963	293	301	308	rBV	28318	47033	2.44%	0.256%
4	4.616	408	412	417	rVV	24970	34056	1.77%	0.186%
5	5.093	484	493	500	rBV2	22312	45152	2.34%	0.246%
6	5.499	555	562	581	rBV	1416200	1928563	100.00%	10.507%
7	6.504	727	733	751	rVB	1391847	1926366	99.89%	10.495%
8	6.716	764	769	772	rBV2	12153	20176	1.05%	0.110%
9	6.881	792	797	804	rBV	555543	694010	35.99%	3.781%
10	7.440	886	892	897	rBV	899400	1159860	60.14%	6.319%
11	7.693	931	935	941	rVB2	29029	40402	2.09%	0.220%
12	8.163	1009	1015	1023	rBV	684590	907332	47.05%	4.943%
13	8.375	1048	1051	1056	rVB3	18814	23048	1.20%	0.126%
14	9.045	1162	1165	1167	rBV4	16108	20757	1.08%	0.113%
15	9.239	1192	1198	1203	rBV	1409379	1818383	94.29%	9.907%
16	9.316	1208	1211	1216	rBV4	39176	59040	3.06%	0.322%
17	9.628	1261	1264	1269	rVB3	52154	64907	3.37%	0.354%
18	9.786	1288	1291	1294	rBV3	40115	56260	2.92%	0.307%
19	9.922	1309	1314	1318	rBV	668102	853953	44.28%	4.653%
20	9.957	1318	1320	1328	rVB3	57456	77611	4.02%	0.423%
21	10.633	1431	1435	1443	rVB	217454	271018	14.05%	1.477%
22	10.710	1443	1448	1454	rBV	783073	1029210	53.37%	5.607%
23	11.410	1563	1567	1570	rBV	598611	867704	44.99%	4.728%
24	11.486	1577	1580	1583	rBV	70495	74144	3.84%	0.404%
25	11.939	1652	1657	1663	rBV	634172	868101	45.01%	4.730%
26	12.627	1770	1774	1780	rBV	434256	615916	31.94%	3.356%
27	12.727	1787	1791	1798	rBV	329045	465323	24.13%	2.535%
28	12.857	1809	1813	1819	rVB	324426	439523	22.79%	2.395%
29	12.998	1833	1837	1845	rVB	1038396	1439446	74.64%	7.843%
30	14.057	2013	2017	2028	rVB2	623972	1135116	58.86%	6.184%
31	15.110	2193	2196	2204	rVB	219404	439828	22.81%	2.396%
32	15.545	2266	2270	2281	rVB	442578	853056	44.23%	4.648%

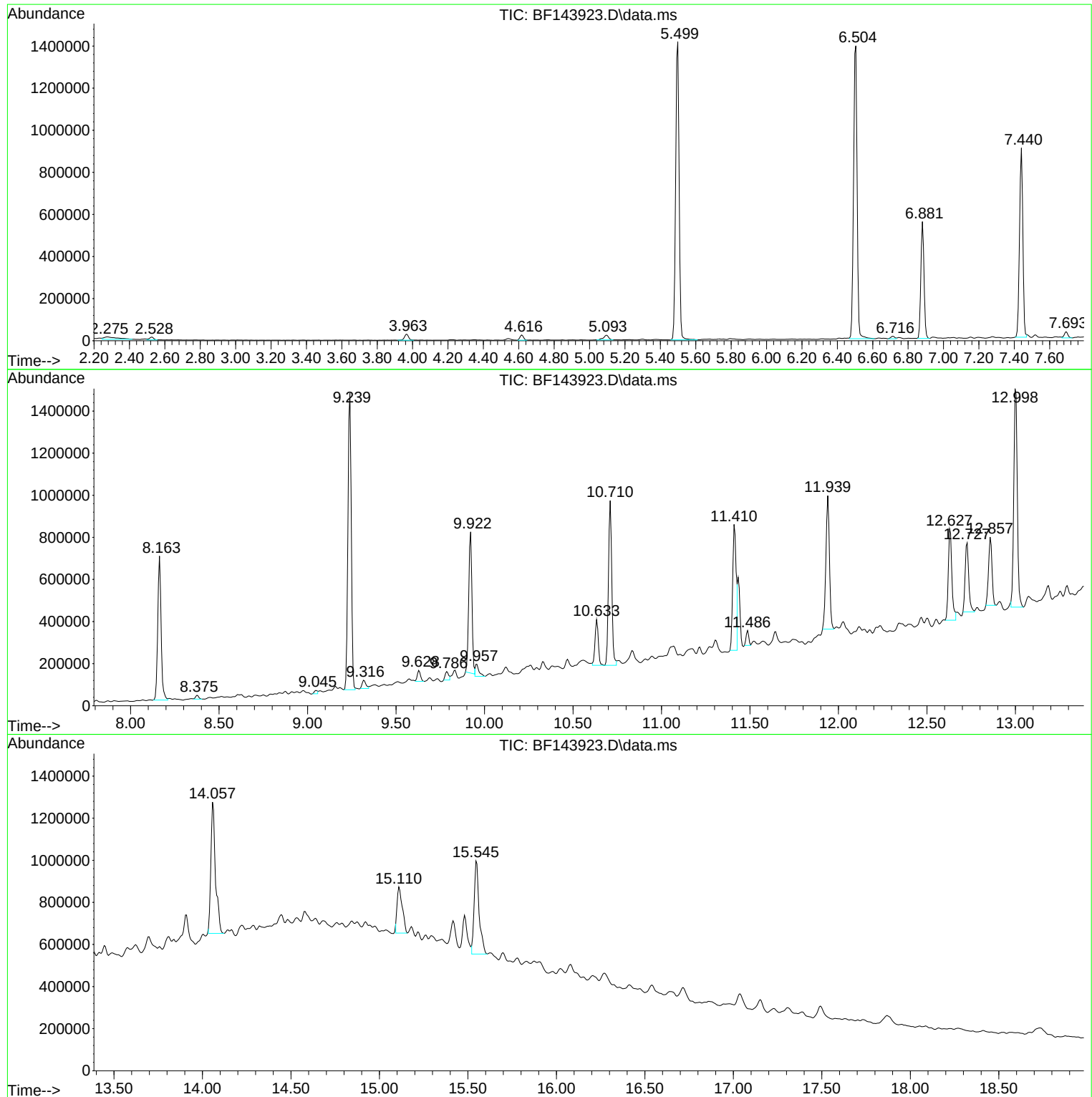
Sum of corrected areas: 18354231

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

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\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

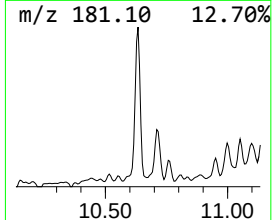
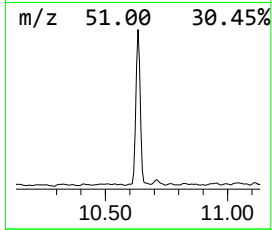
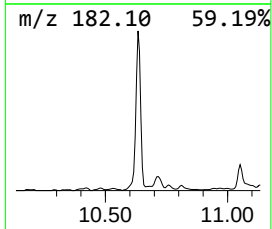
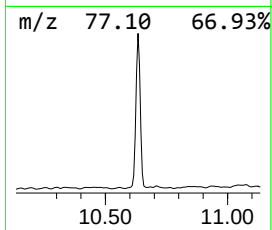
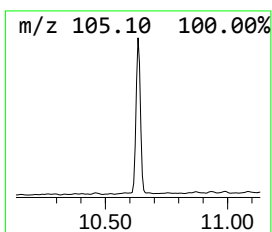
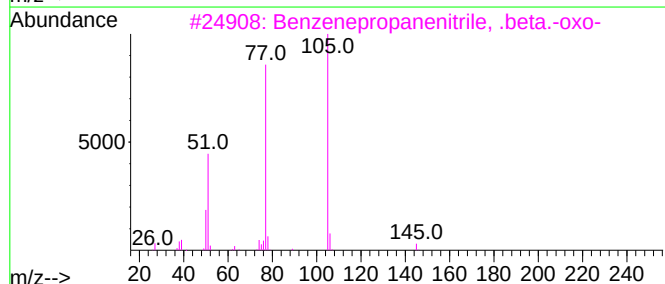
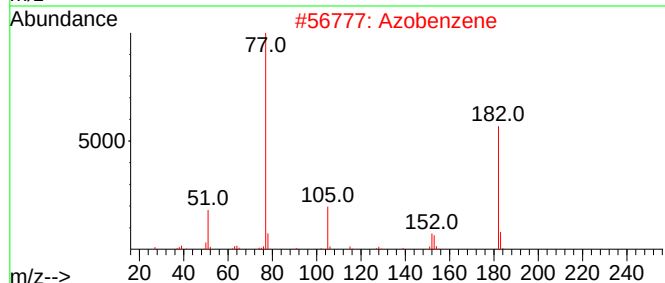
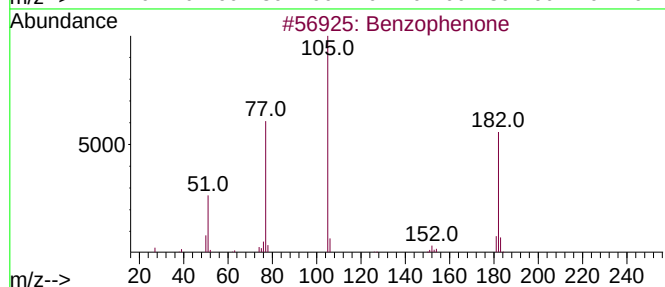
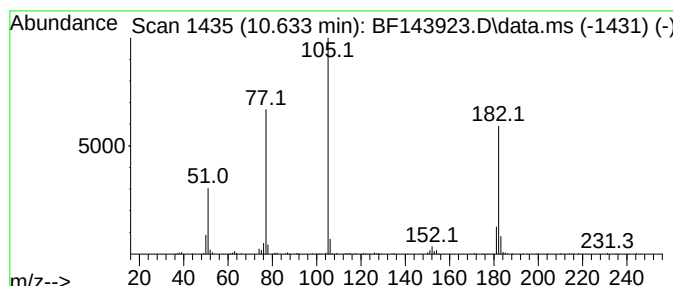
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	6.35 ng	271018	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	58
3			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	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\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

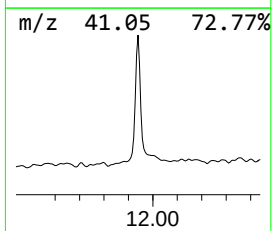
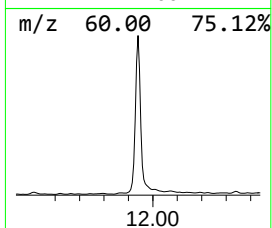
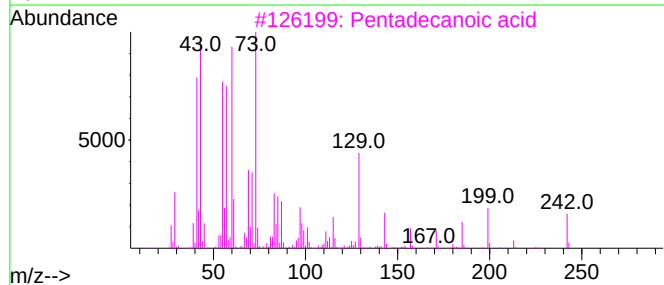
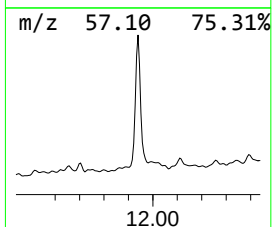
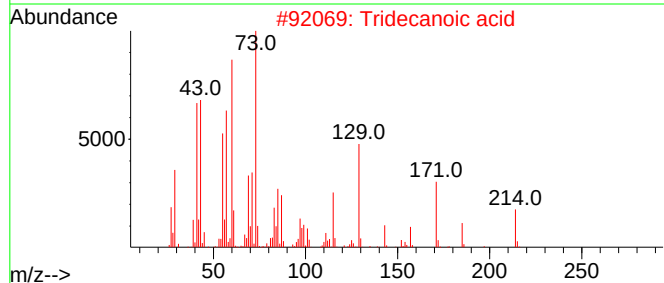
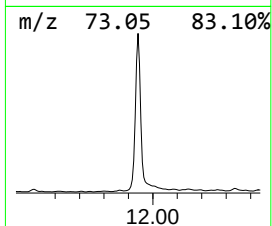
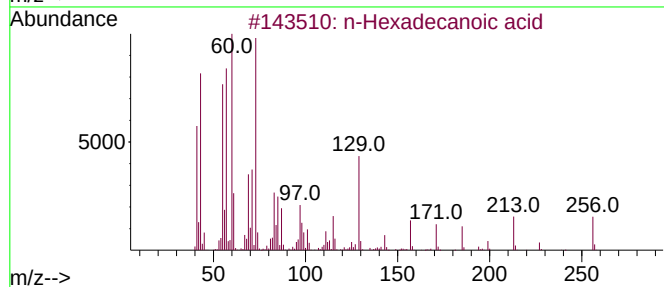
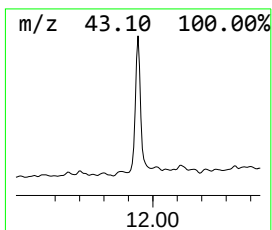
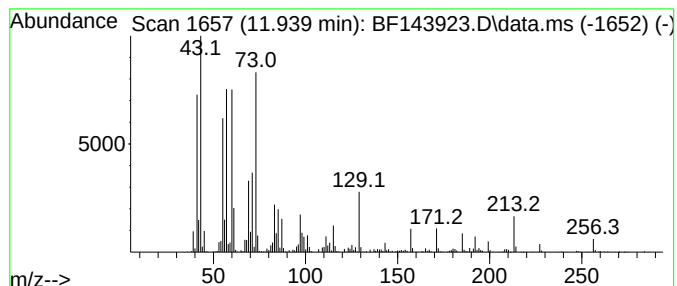
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

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	20.01 ng	868101	Phenanthrene-d10	11.410	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	76
5	Octadecanoic acid	284	C18H36O2	000057-11-4	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

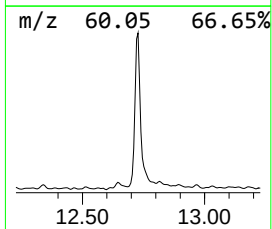
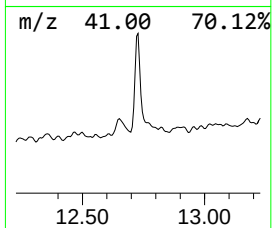
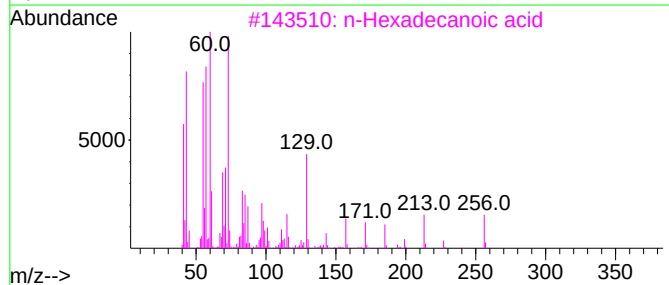
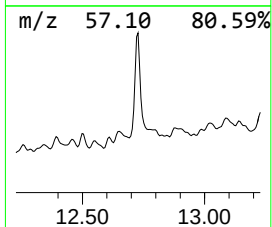
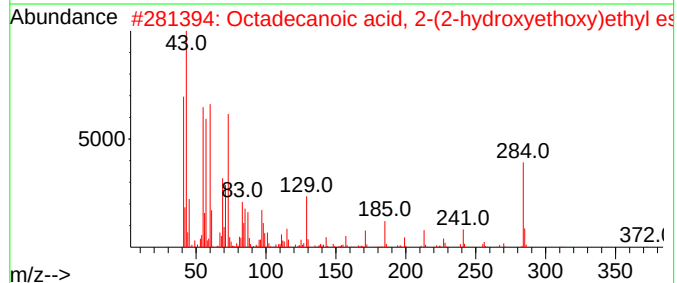
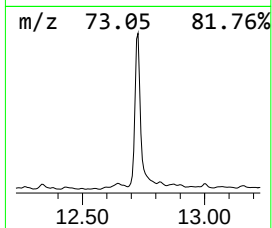
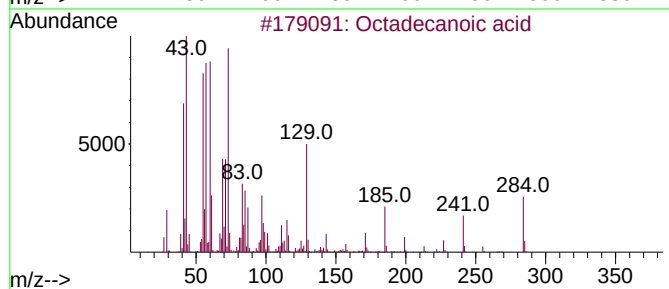
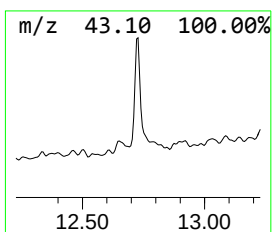
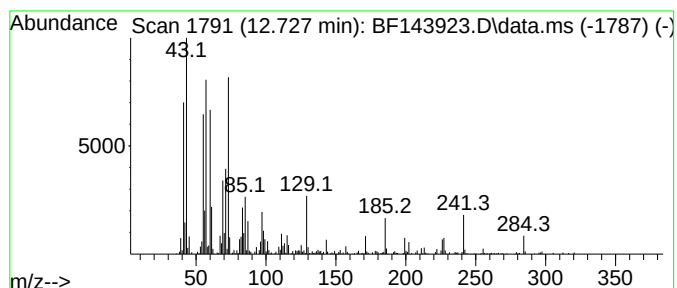
Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

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 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.727	10.73 ng	465323	Phenanthrene-d10	11.410	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	86
4	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	50
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143923.D
Acq On : 10 Oct 2025 14:26
Operator : RC/JU
Sample : Q3310-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-1-2

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.634	6.3	ng	271018	3	9.922	853953	20.0
n-Hexadecanoic ...	11.939	20.0	ng	868101	4	11.410	867704	20.0
Octadecanoic acid	12.727	10.7	ng	465323	4	11.410	867704	20.0

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-2-3
 Lab Sample ID: Q3310-03
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 75.1
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	210	U	1	210	440	ug/Kg	10/10/25 14:54	PB170055
108-95-2	Phenol	29.4	U	1	29.4	230	ug/Kg	10/10/25 14:54	PB170055
111-44-4	bis(2-Chloroethyl)ether	32.3	U	1	32.3	230	ug/Kg	10/10/25 14:54	PB170055
95-57-8	2-Chlorophenol	32.4	U	1	32.4	230	ug/Kg	10/10/25 14:54	PB170055
95-48-7	2-Methylphenol	39.7	U	1	39.7	230	ug/Kg	10/10/25 14:54	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	49.9	U	1	49.9	230	ug/Kg	10/10/25 14:54	PB170055
98-86-2	Acetophenone	39.2	U	1	39.2	230	ug/Kg	10/10/25 14:54	PB170055
65794-96-9	3+4-Methylphenols	54.6	U	1	54.6	440	ug/Kg	10/10/25 14:54	PB170055
621-64-7	n-Nitroso-di-n-propylamine	63.0	U	1	63.0	110	ug/Kg	10/10/25 14:54	PB170055
67-72-1	Hexachloroethane	23.4	U	1	23.4	230	ug/Kg	10/10/25 14:54	PB170055
98-95-3	Nitrobenzene	24.3	U	1	24.3	230	ug/Kg	10/10/25 14:54	PB170055
78-59-1	Isophorone	43.6	U	1	43.6	230	ug/Kg	10/10/25 14:54	PB170055
88-75-5	2-Nitrophenol	77.4	U	1	77.4	230	ug/Kg	10/10/25 14:54	PB170055
105-67-9	2,4-Dimethylphenol	86.1	U	1	86.1	230	ug/Kg	10/10/25 14:54	PB170055
111-91-1	bis(2-Chloroethoxy)methane	40.9	U	1	40.9	230	ug/Kg	10/10/25 14:54	PB170055
120-83-2	2,4-Dichlorophenol	37.6	U	1	37.6	230	ug/Kg	10/10/25 14:54	PB170055
91-20-3	Naphthalene	30.2	U	1	30.2	230	ug/Kg	10/10/25 14:54	PB170055
106-47-8	4-Chloroaniline	47.1	U	1	47.1	230	ug/Kg	10/10/25 14:54	PB170055
87-68-3	Hexachlorobutadiene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
105-60-2	Caprolactam	69.3	U	1	69.3	440	ug/Kg	10/10/25 14:54	PB170055
59-50-7	4-Chloro-3-methylphenol	38.2	U	1	38.2	230	ug/Kg	10/10/25 14:54	PB170055
91-57-6	2-Methylnaphthalene	34.0	U	1	34.0	230	ug/Kg	10/10/25 14:54	PB170055
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	440	ug/Kg	10/10/25 14:54	PB170055
88-06-2	2,4,6-Trichlorophenol	26.3	U	1	26.3	230	ug/Kg	10/10/25 14:54	PB170055
95-95-4	2,4,5-Trichlorophenol	38.7	U	1	38.7	230	ug/Kg	10/10/25 14:54	PB170055
92-52-4	1,1-Biphenyl	29.0	U	1	29.0	230	ug/Kg	10/10/25 14:54	PB170055
91-58-7	2-Chloronaphthalene	29.9	U	1	29.9	230	ug/Kg	10/10/25 14:54	PB170055
88-74-4	2-Nitroaniline	63.9	U	1	63.9	230	ug/Kg	10/10/25 14:54	PB170055
131-11-3	Dimethylphthalate	36.0	U	1	36.0	230	ug/Kg	10/10/25 14:54	PB170055
208-96-8	Acenaphthylene	38.4	U	1	38.4	230	ug/Kg	10/10/25 14:54	PB170055
606-20-2	2,6-Dinitrotoluene	44.7	U	1	44.7	230	ug/Kg	10/10/25 14:54	PB170055
99-09-2	3-Nitroaniline	61.1	U	1	61.1	230	ug/Kg	10/10/25 14:54	PB170055
83-32-9	Acenaphthene	28.3	U	1	28.3	230	ug/Kg	10/10/25 14:54	PB170055
51-28-5	2,4-Dinitrophenol	300	U	1	300	440	ug/Kg	10/10/25 14:54	PB170055
100-02-7	4-Nitrophenol	140	U	1	140	440	ug/Kg	10/10/25 14:54	PB170055
132-64-9	Dibenzofuran	30.2	U	1	30.2	230	ug/Kg	10/10/25 14:54	PB170055
121-14-2	2,4-Dinitrotoluene	66.6	U	1	66.6	230	ug/Kg	10/10/25 14:54	PB170055
84-66-2	Diethylphthalate	37.6	U	1	37.6	230	ug/Kg	10/10/25 14:54	PB170055
7005-72-3	4-Chlorophenyl-phenylether	35.5	U	1	35.5	230	ug/Kg	10/10/25 14:54	PB170055
86-73-7	Fluorene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
100-01-6	4-Nitroaniline	85.3	U	1	85.3	230	ug/Kg	10/10/25 14:54	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	440	ug/Kg	10/10/25 14:54	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: SS-01-2-3
 Lab Sample ID: Q3310-03
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.05 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
 Date Received: 10/08/25
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 75.1
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.7	U	1	43.7	230	ug/Kg	10/10/25 14:54	PB170055
101-55-3	4-Bromophenyl-phenylether	37.0	U	1	37.0	230	ug/Kg	10/10/25 14:54	PB170055
118-74-1	Hexachlorobenzene	33.6	U	1	33.6	230	ug/Kg	10/10/25 14:54	PB170055
1912-24-9	Atrazine	45.2	U	1	45.2	230	ug/Kg	10/10/25 14:54	PB170055
87-86-5	Pentachlorophenol	68.2	U	1	68.2	440	ug/Kg	10/10/25 14:54	PB170055
85-01-8	Phenanthrene	27.8	U	1	27.8	230	ug/Kg	10/10/25 14:54	PB170055
120-12-7	Anthracene	44.3	U	1	44.3	230	ug/Kg	10/10/25 14:54	PB170055
86-74-8	Carbazole	41.5	U	1	41.5	230	ug/Kg	10/10/25 14:54	PB170055
84-74-2	Di-n-butylphthalate	63.7	U	1	63.7	230	ug/Kg	10/10/25 14:54	PB170055
206-44-0	Fluoranthene	150	J	1	39.9	230	ug/Kg	10/10/25 14:54	PB170055
129-00-0	Pyrene	120	J	1	47.9	230	ug/Kg	10/10/25 14:54	PB170055
85-68-7	Butylbenzylphthalate	94.9	U	1	94.9	230	ug/Kg	10/10/25 14:54	PB170055
91-94-1	3,3-Dichlorobenzidine	48.8	U	1	48.8	440	ug/Kg	10/10/25 14:54	PB170055
56-55-3	Benzo(a)anthracene	30.6	U	1	30.6	230	ug/Kg	10/10/25 14:54	PB170055
218-01-9	Chrysene	98.2	J	1	26.5	230	ug/Kg	10/10/25 14:54	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	78.7	U	1	78.7	230	ug/Kg	10/10/25 14:54	PB170055
117-84-0	Di-n-octyl phthalate	120	U	1	120	440	ug/Kg	10/10/25 14:54	PB170055
205-99-2	Benzo(b)fluoranthene	93.7	J	1	25.3	230	ug/Kg	10/10/25 14:54	PB170055
207-08-9	Benzo(k)fluoranthene	29.8	U	1	29.8	230	ug/Kg	10/10/25 14:54	PB170055
50-32-8	Benzo(a)pyrene	39.2	U	1	39.2	230	ug/Kg	10/10/25 14:54	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	38.7	U	1	38.7	230	ug/Kg	10/10/25 14:54	PB170055
53-70-3	Dibenzo(a,h)anthracene	36.4	U	1	36.4	230	ug/Kg	10/10/25 14:54	PB170055
191-24-2	Benzo(g,h,i)perylene	34.2	U	1	34.2	230	ug/Kg	10/10/25 14:54	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	34.0	U	1	34.0	230	ug/Kg	10/10/25 14:54	PB170055
123-91-1	1,4-Dioxane	60.1	U	1	60.1	230	ug/Kg	10/10/25 14:54	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	36.4	U	1	36.4	230	ug/Kg	10/10/25 14:54	PB170055

SURROGATES

367-12-4	2-Fluorophenol	78.0		18 - 112	52%	SPK: 150
13127-88-3	Phenol-d6	74.7		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.1		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.4		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	65.0		10 - 116	43%	SPK: 150
1718-51-0	Terphenyl-d14	38.9		10 - 105	39%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	114000
1146-65-2	Naphthalene-d8	429000
15067-26-2	Acenaphthene-d10	224000
1517-22-2	Phenanthrene-d10	349000
1719-03-5	Chrysene-d12	243000
1520-96-3	Perylene-d12	304000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	290	J	10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	360	J	11.9	ug/Kg



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:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-2-3	SDG No.:	Q3310
Lab Sample ID:	Q3310-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.1
Sample Wt/Vol:	30.05 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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\BF101025\
 Data File : BF143924.D
 Acq On : 10 Oct 2025 14:54
 Operator : RC/JU
 Sample : Q3310-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 15:32:02 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	6.881	152	113732	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	428776	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	223841	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	349222	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243012	20.000	ng	-0.01
86) Perylene-d12	15.545	264	304396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	558429	77.971	ng	0.00
7) Phenol-d6	6.504	99	637384	74.663	ng	-0.01
23) Nitrobenzene-d5	7.439	82	388896	55.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	144914	64.998	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	710914	50.395	ng	-0.01
79) Terphenyl-d14	12.998	244	552949	38.888	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.627	202	60839	3.479	ng	95
78) Pyrene	12.857	202	55834	2.756	ng	99
83) Chrysene	14.080	228	32635	2.217	ng	# 92
88) Benzo(b)fluoranthene	15.109	252	36981m	2.115	ng	

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

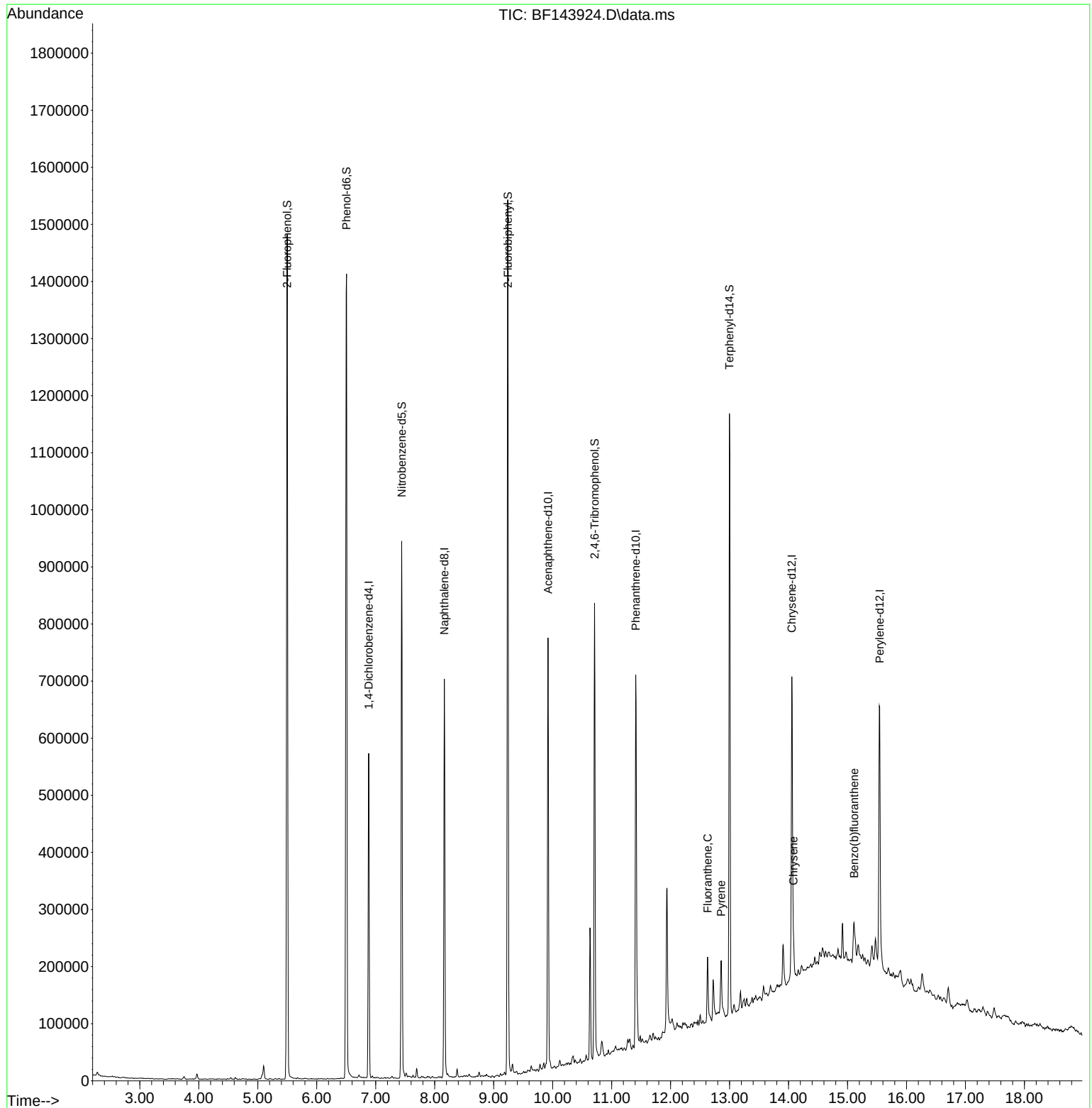
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Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

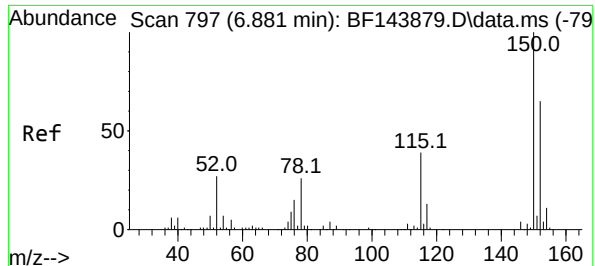
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

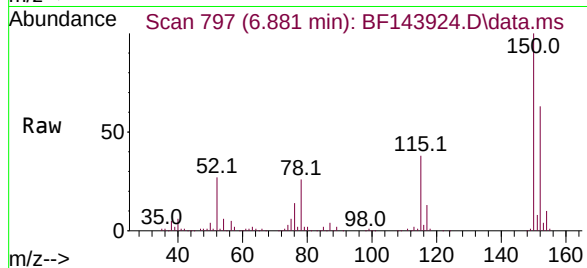
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

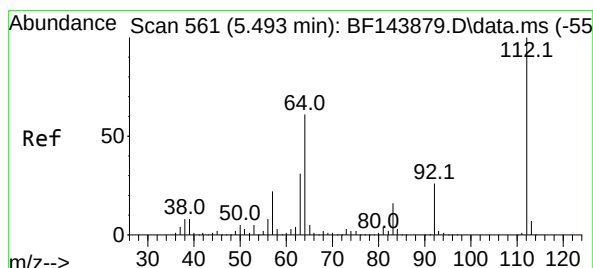
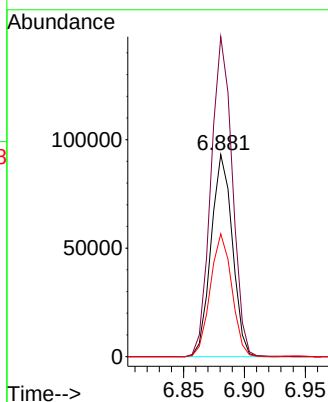
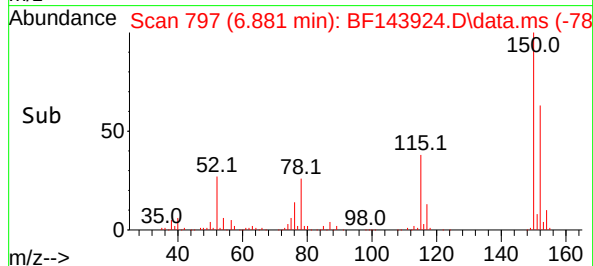
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



Tgt Ion:152 Resp: 113732
Ion Ratio Lower Upper
152 100
150 158.4 124.4 186.6
115 60.8 48.1 72.1

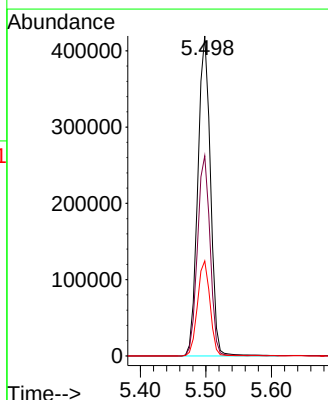
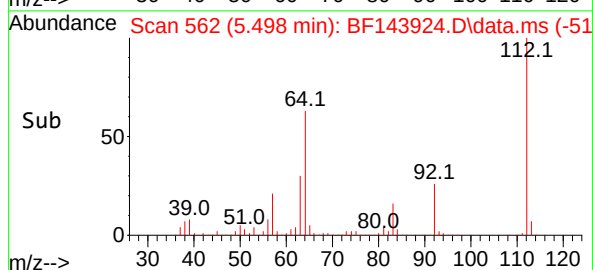
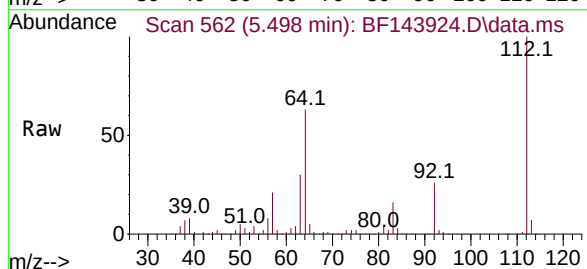
Manual Integrations
APPROVED

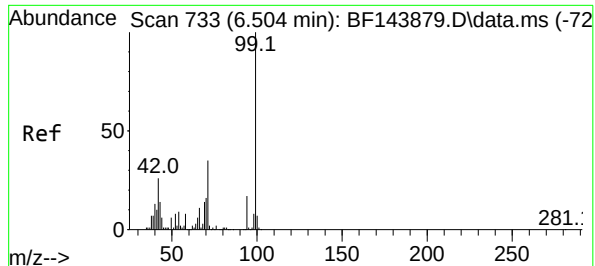
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#5
2-Fluorophenol
Concen: 77.971 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

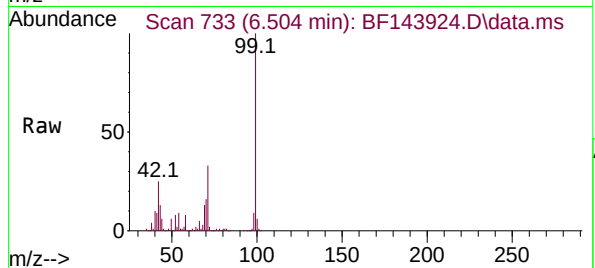
Tgt Ion:112 Resp: 558429
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 29.7 24.5 36.7





#7
Phenol-d6
Concen: 74.663 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

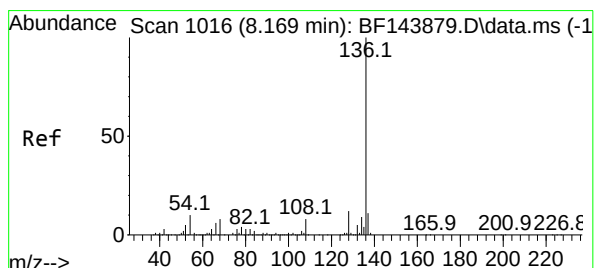
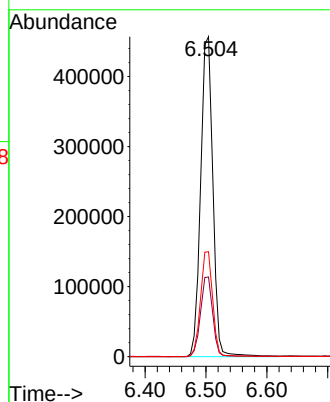
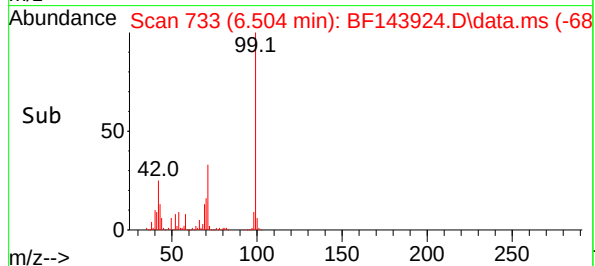
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



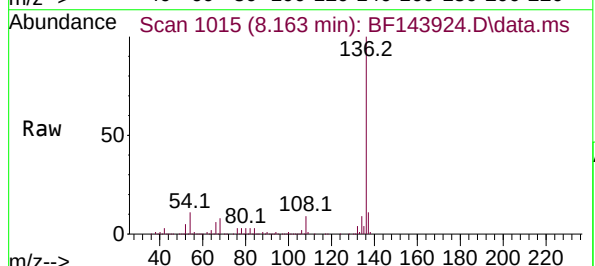
Tgt Ion: 99 Resp: 637384
Ion Ratio Lower Upper
99 100
42 24.9 21.0 31.4
71 32.8 27.8 41.8

Manual Integrations
APPROVED

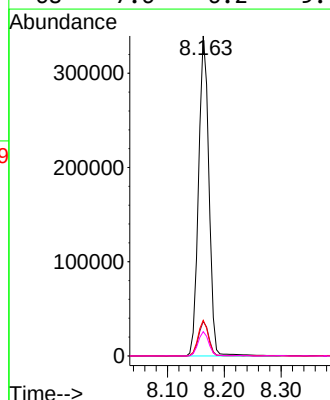
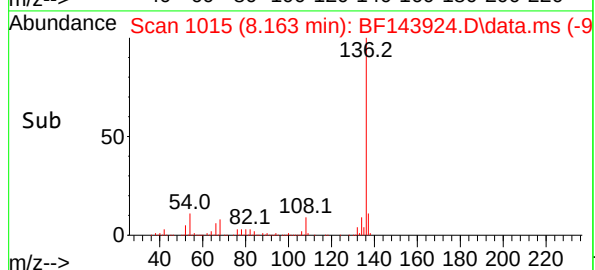
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

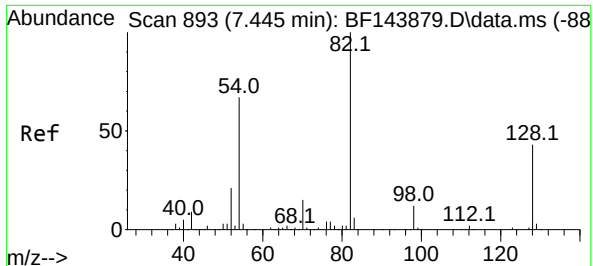


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54



Tgt Ion:136 Resp: 428776
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.1 8.2 12.4
68 7.6 6.2 9.4





#23

Nitrobenzene-d5

Concen: 55.104 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143924.D

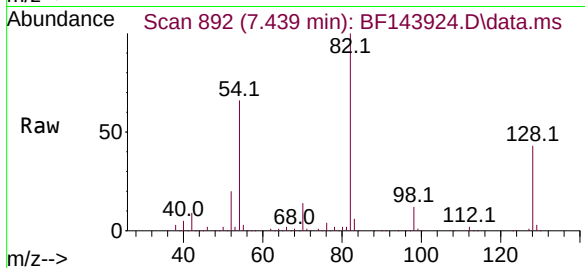
Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3



Tgt Ion: 82 Resp: 388896

Ion Ratio Lower Upper

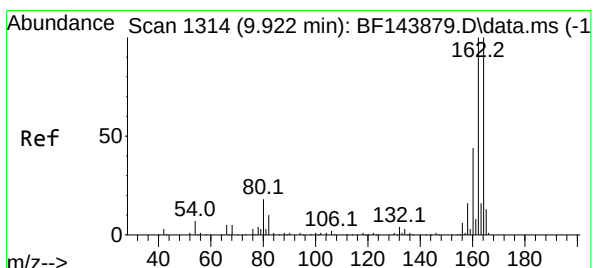
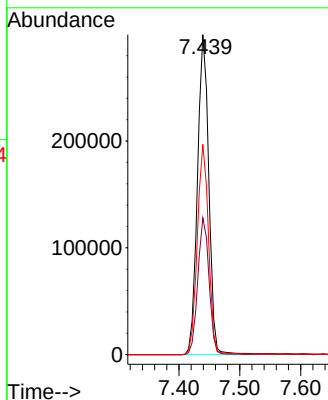
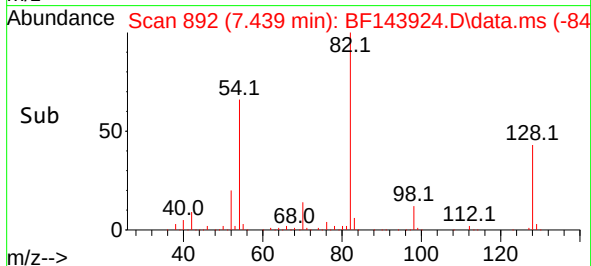
82 100

128 42.8 34.0 51.0

54 65.7 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

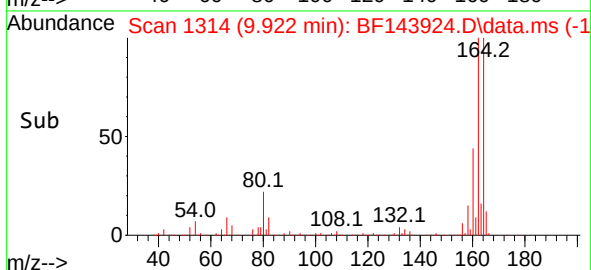
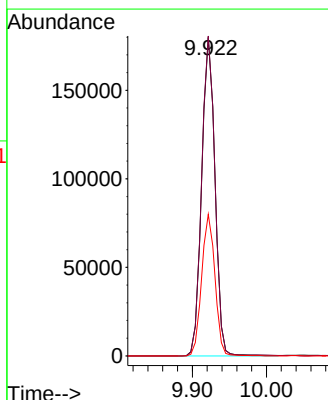
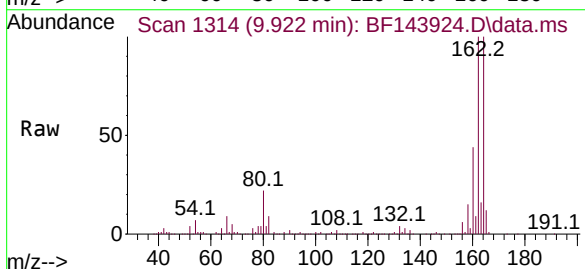
Tgt Ion:164 Resp: 223841

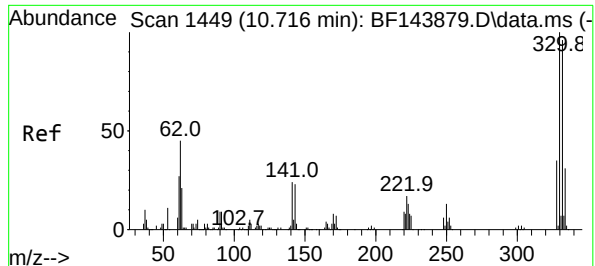
Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

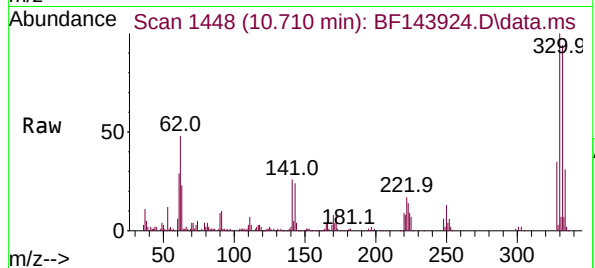
160 44.4 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 64.998 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

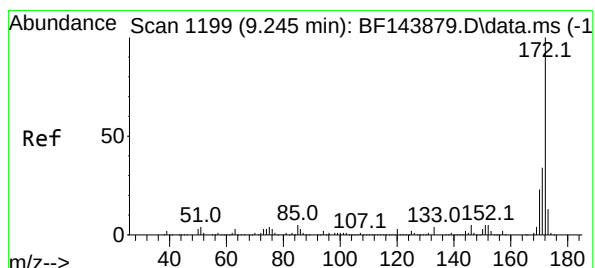
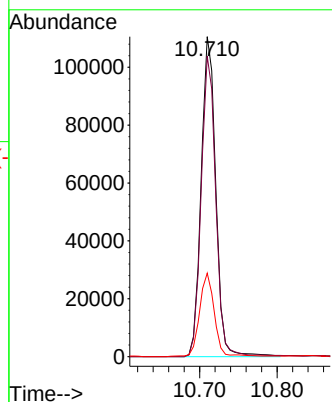
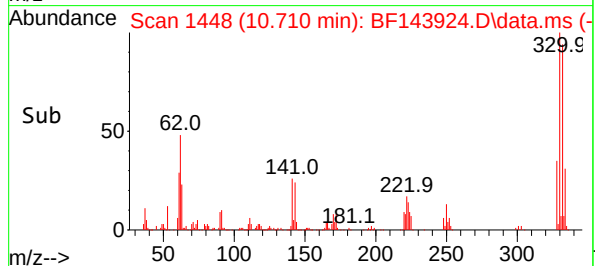
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



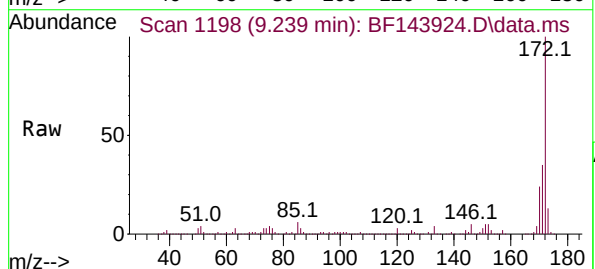
Tgt Ion: 330 Resp: 144914
Ion Ratio Lower Upper
330 100
332 94.0 76.9 115.3
141 26.5 20.2 30.4

Manual Integrations
APPROVED

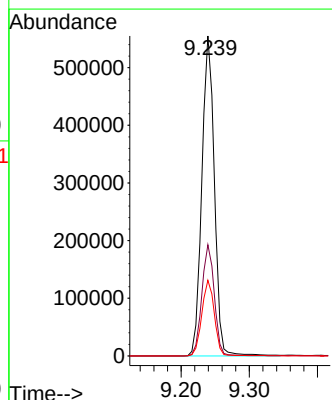
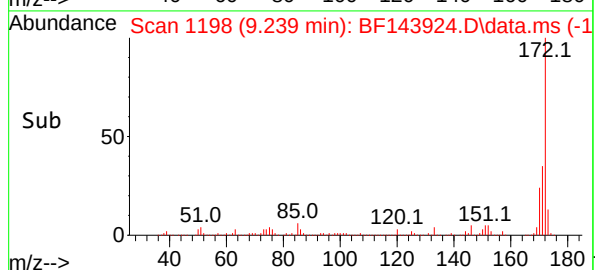
Reviewed By : Jagrut Upadhyay 10/13/2025
Supervised By : mohammad ahmed 10/15/2025

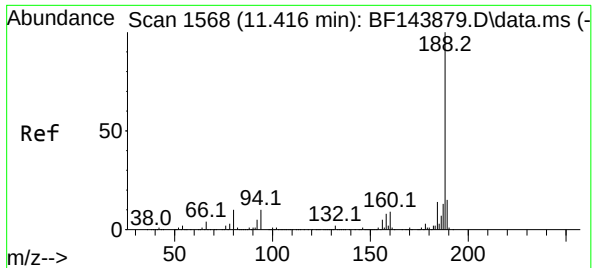


#45
2-Fluorobiphenyl
Concen: 50.395 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54



Tgt Ion: 172 Resp: 710914
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.6 18.6 28.0





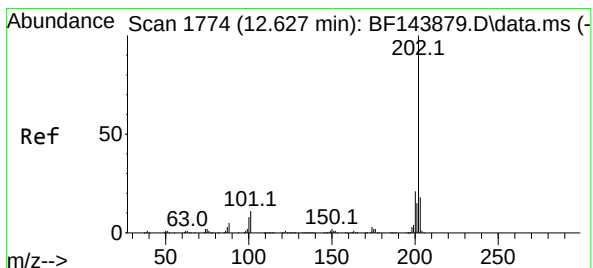
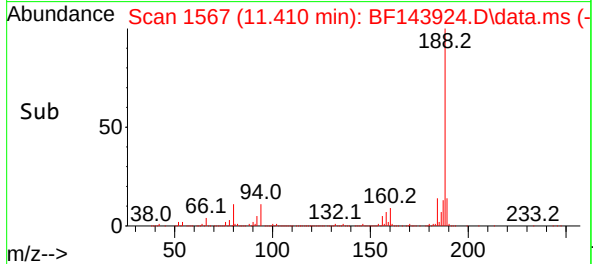
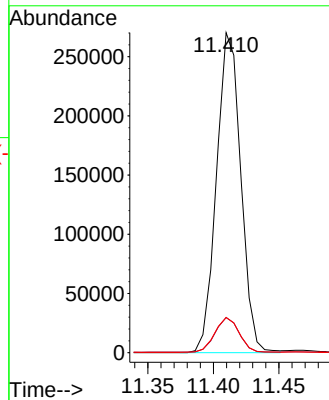
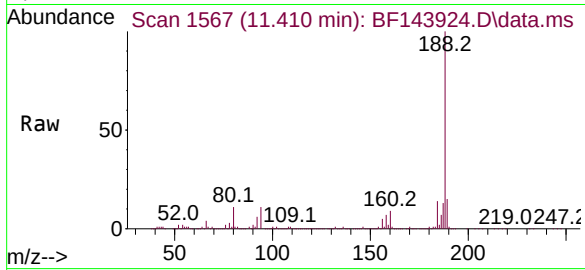
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

Tgt Ion:188 Resp: 349222
Ion Ratio Lower Upper
188 100
94 11.0 7.8 11.6
80 11.0 7.9 11.9

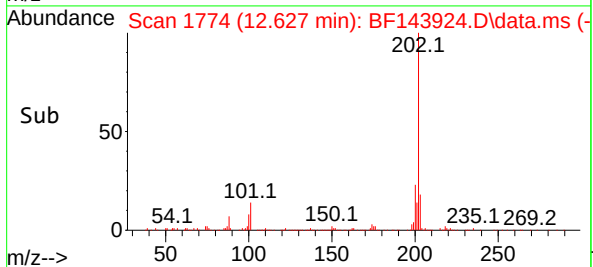
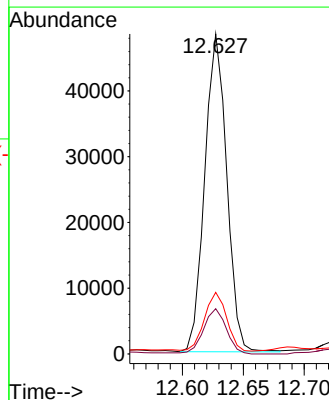
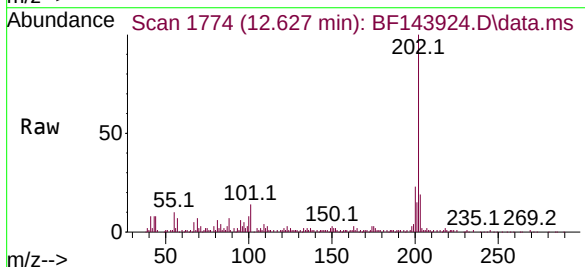
Manual Integrations
APPROVED

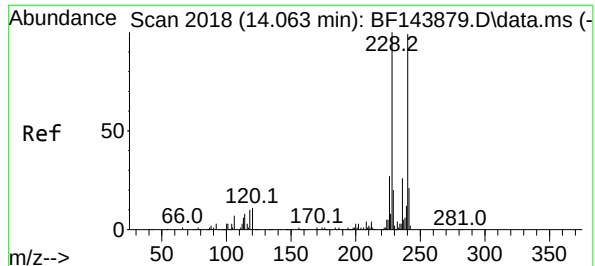
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#75
Fluoranthene
Concen: 3.479 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:202 Resp: 60839
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.7
203 19.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3

Tgt Ion:240 Resp: 243012

Ion Ratio Lower Upper

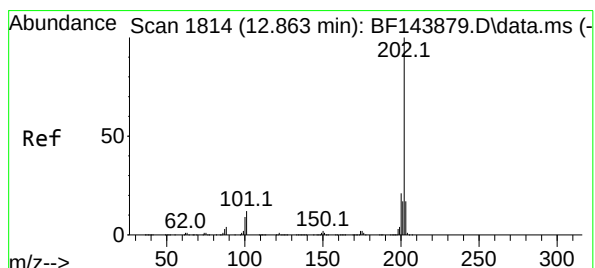
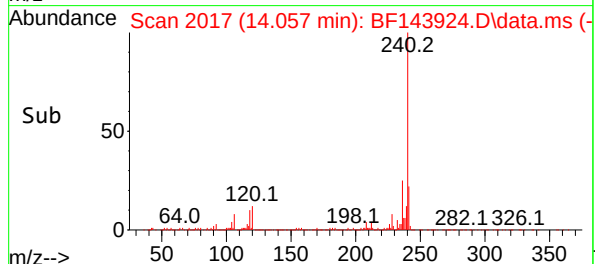
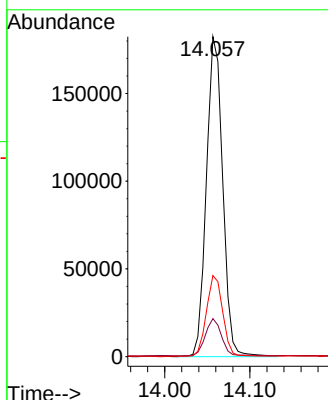
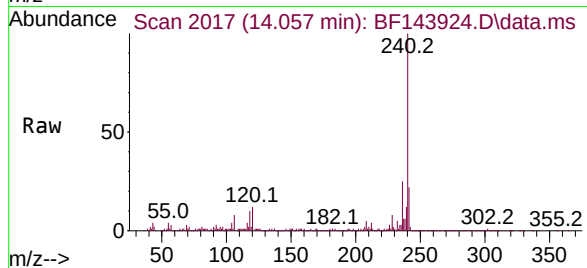
240 100

120 11.9 8.6 13.0

236 25.3 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#78

Pyrene

Concen: 2.756 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

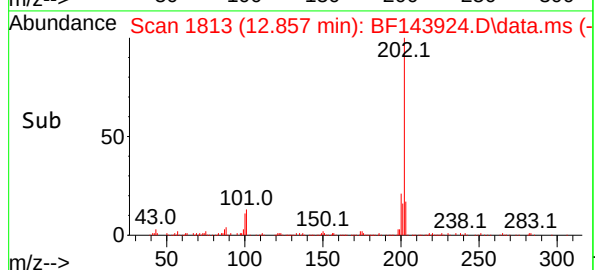
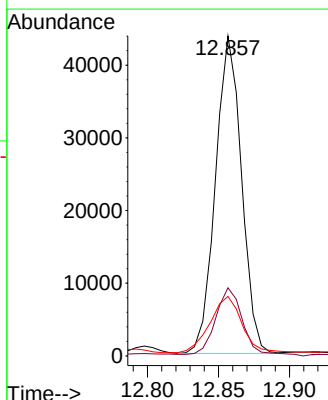
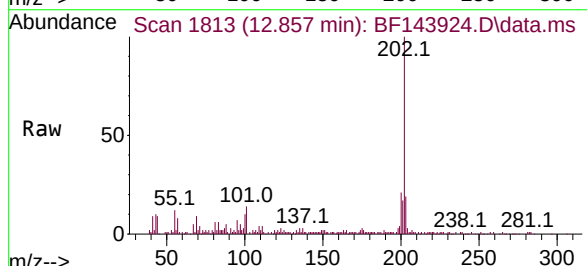
Tgt Ion:202 Resp: 55834

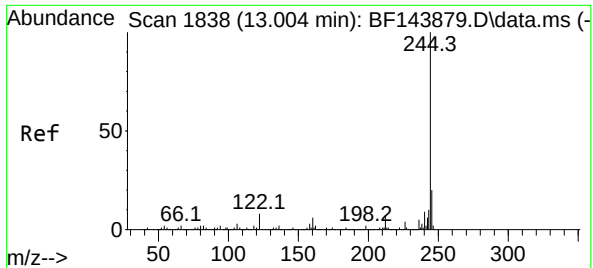
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

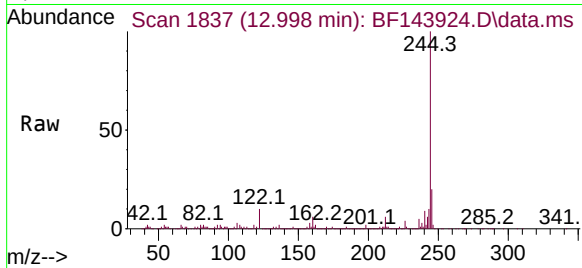
203 18.6 13.8 20.6





#79
Terphenyl-d14
Concen: 38.888 ng
RT: 12.998 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

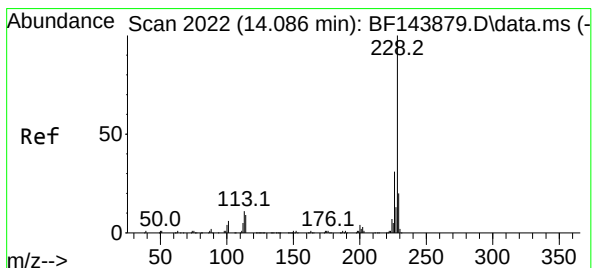
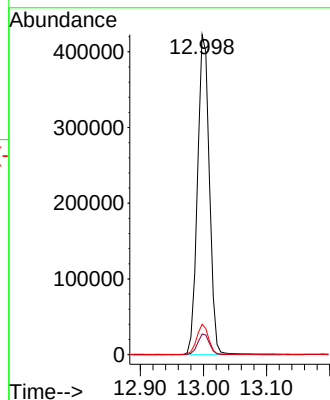
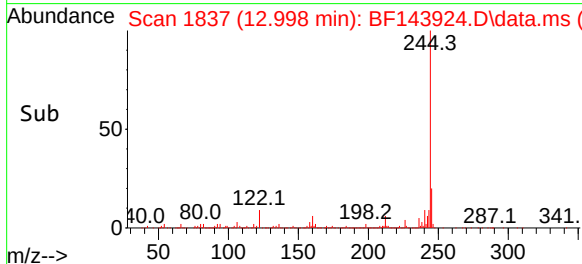
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



Tgt Ion:244 Resp: 552949
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.5 6.4 9.6

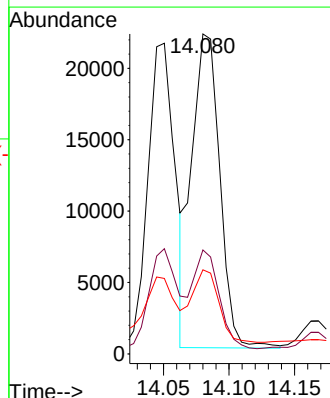
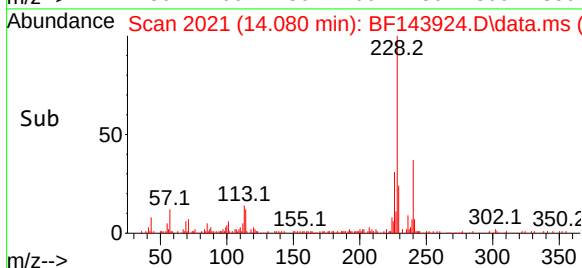
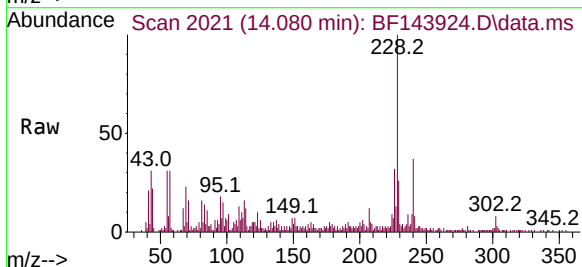
Manual Integrations
APPROVED

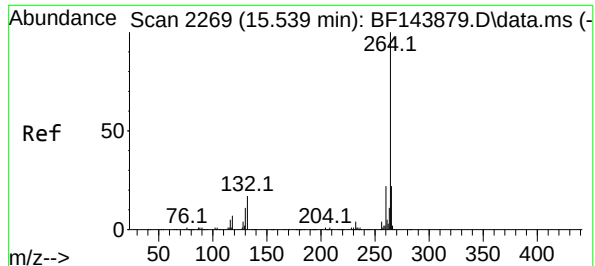
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#83
Chrysene
Concen: 2.217 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:228 Resp: 32635
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 26.3 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3

Tgt Ion:264 Resp: 304396

Ion Ratio Lower Upper

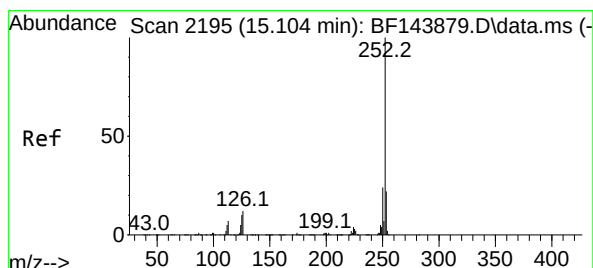
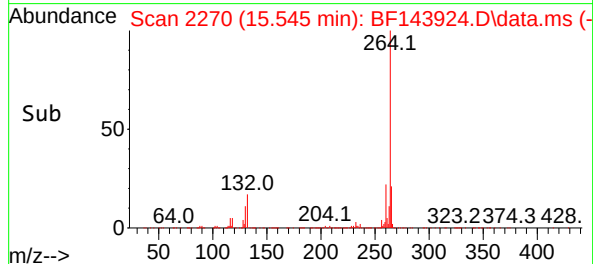
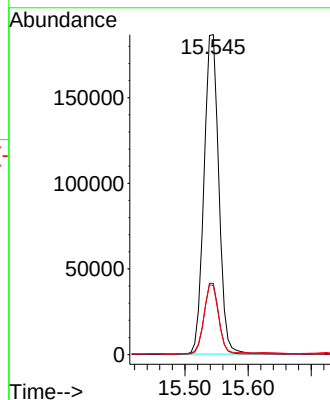
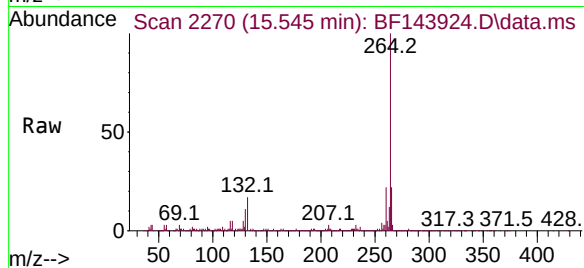
264 100

260 22.3 17.8 26.8

265 21.6 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

#88

Benzo(b)fluoranthene

Concen: 2.115 ng m

RT: 15.109 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

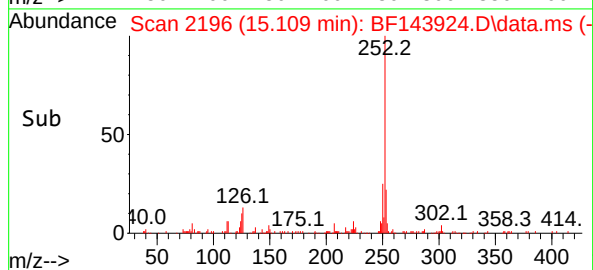
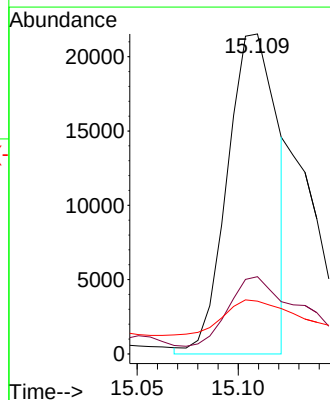
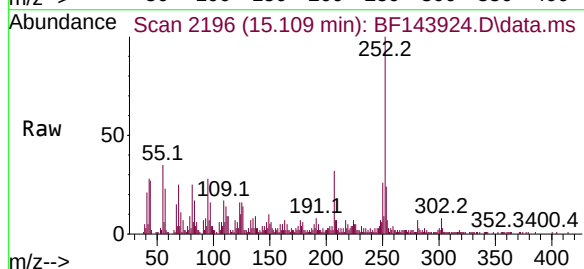
Tgt Ion:252 Resp: 36981

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.2

125 16.5 7.8 11.6#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143924.D
 Acq On : 10 Oct 2025 14:54
 Operator : RC/JU
 Sample : Q3310-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

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: BF143924.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	485	494	507	rVB2	23472	49775	2.53%	0.308%
2	5.498	556	562	581	rBV	1479099	1966095	99.97%	12.185%
3	6.504	726	733	751	rBV	1408764	1966783	100.00%	12.190%
4	6.881	792	797	804	rVB	568110	696376	35.41%	4.316%
5	7.439	884	892	897	rBV	941049	1206517	61.34%	7.478%
6	7.692	932	935	944	rVB	16141	21999	1.12%	0.136%
7	8.163	1008	1015	1023	rBV	698765	900886	45.81%	5.583%
8	9.239	1192	1198	1207	rBV	1532906	1946978	98.99%	12.067%
9	9.316	1208	1211	1220	rVB2	15101	24458	1.24%	0.152%
10	9.922	1309	1314	1319	rBV	745768	917900	46.67%	5.689%
11	10.351	1380	1387	1390	rBV2	14437	31090	1.58%	0.193%
12	10.633	1430	1435	1442	rBV	231333	296499	15.08%	1.838%
13	10.710	1443	1448	1460	rBV	799068	1064688	54.13%	6.599%
14	10.833	1465	1469	1478	rVB3	26208	58635	2.98%	0.363%
15	11.410	1562	1567	1577	rBV	653584	947499	48.18%	5.872%
16	11.939	1652	1657	1666	rBV	244587	388653	19.76%	2.409%
17	12.627	1770	1774	1786	rBV	113306	170646	8.68%	1.058%
18	12.721	1787	1790	1798	rBV	67654	110881	5.64%	0.687%
19	12.857	1809	1813	1826	rVB	98457	169724	8.63%	1.052%
20	12.998	1832	1837	1845	rVB	1050408	1368821	69.60%	8.484%
21	13.910	1988	1992	2000	rVB	70586	121713	6.19%	0.754%
22	14.057	2012	2017	2027	rVB	521705	802052	40.78%	4.971%
23	14.915	2160	2163	2167	rVB	61330	73834	3.75%	0.458%
24	15.539	2264	2269	2284	rVB	465552	832526	42.33%	5.160%

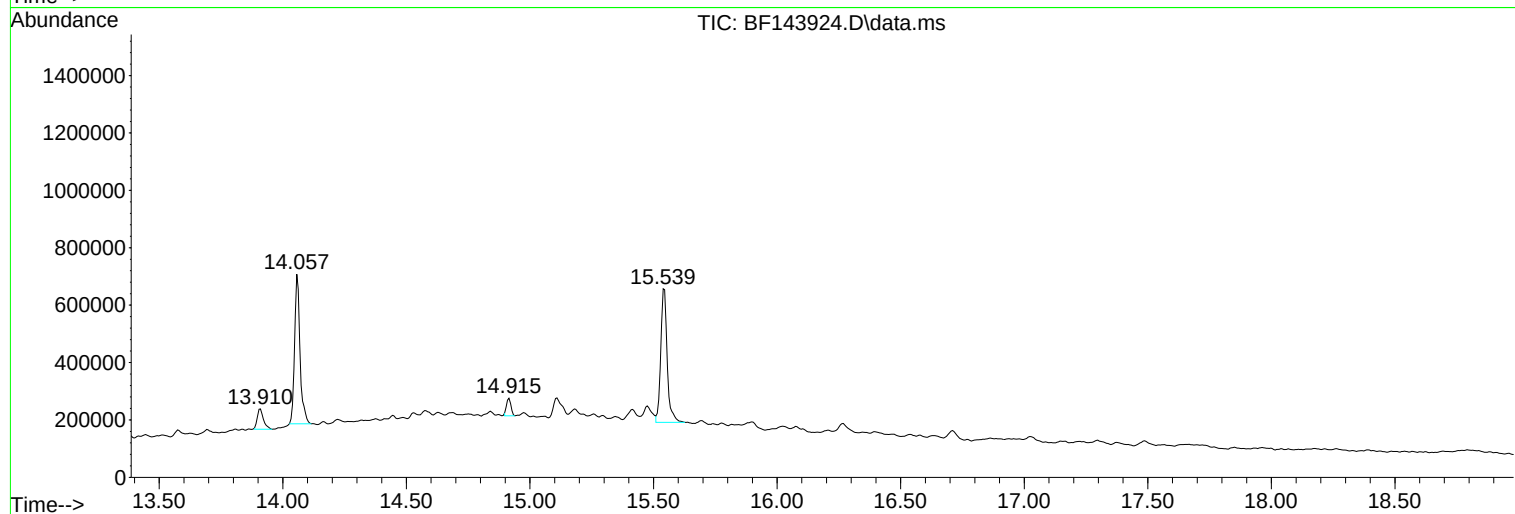
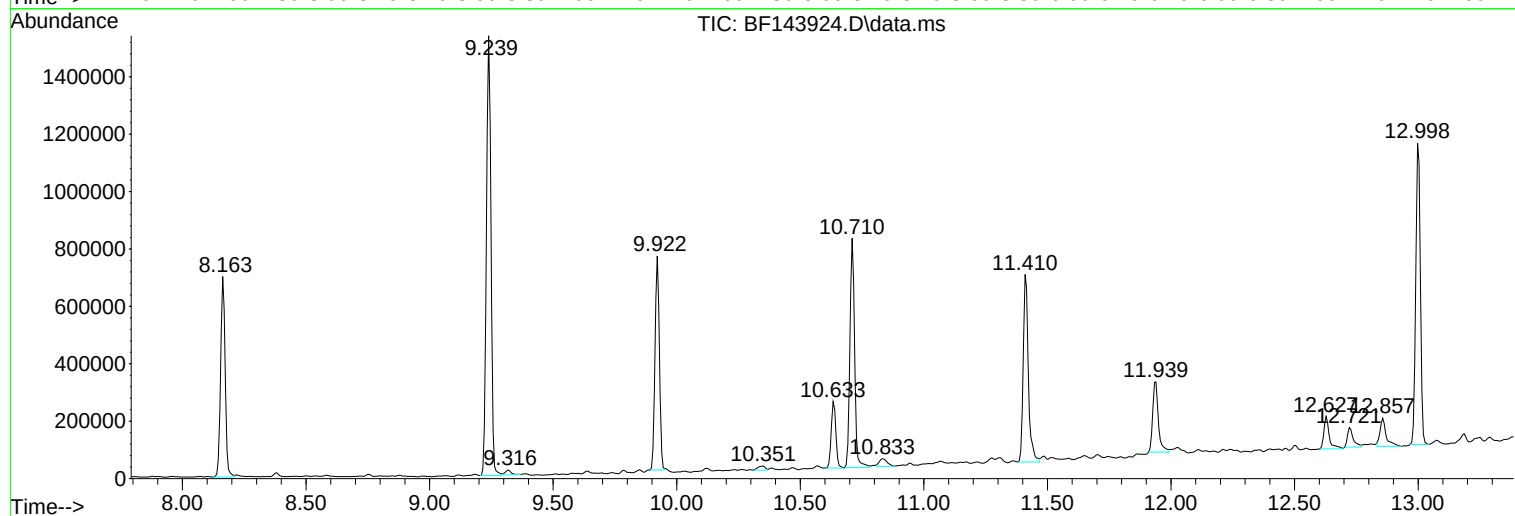
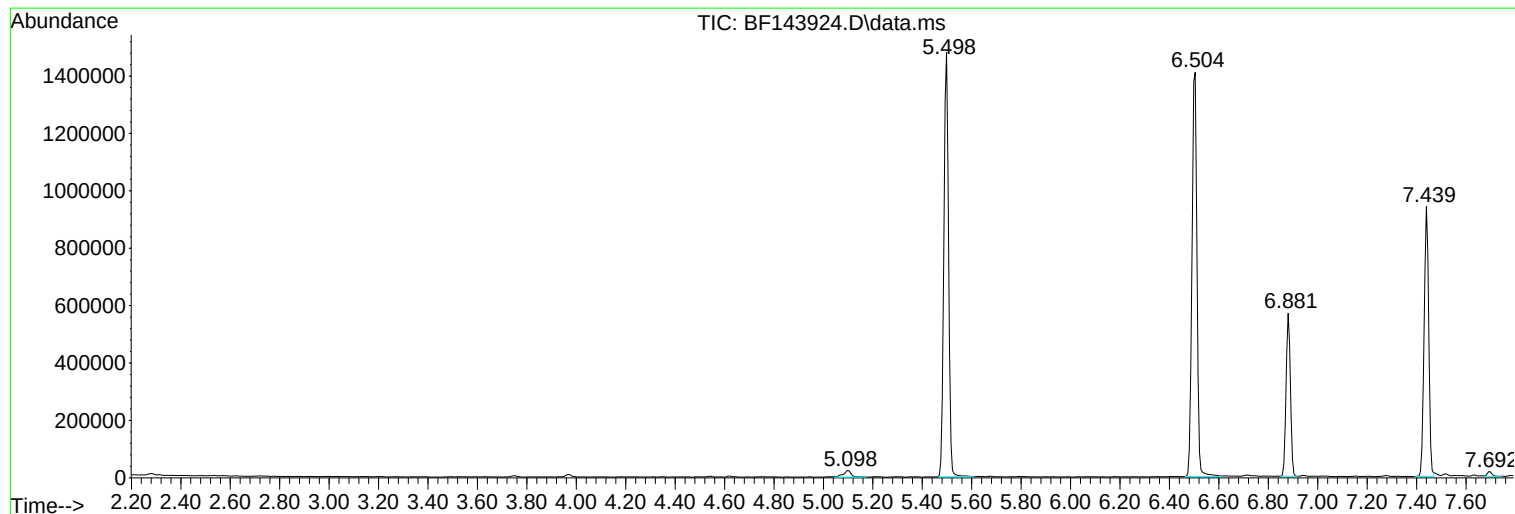
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Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

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\BF101025\
Data File : BF143924.D
Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

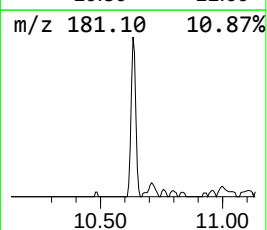
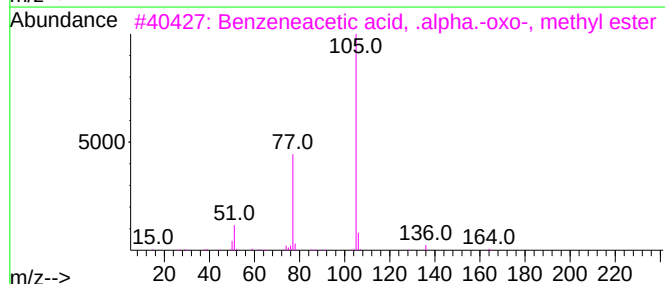
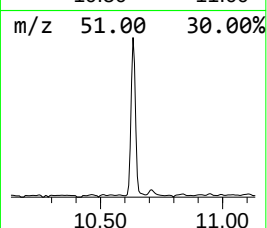
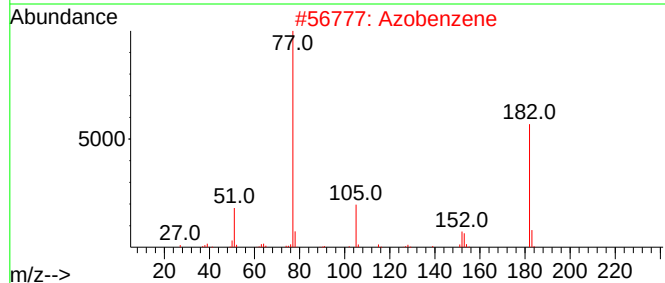
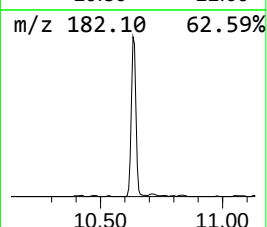
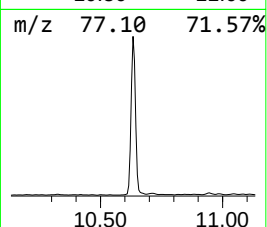
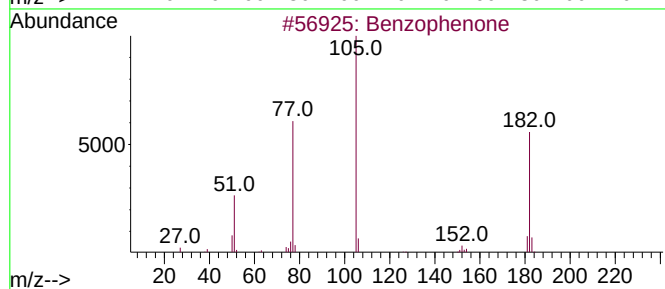
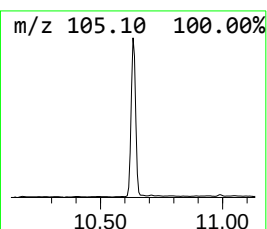
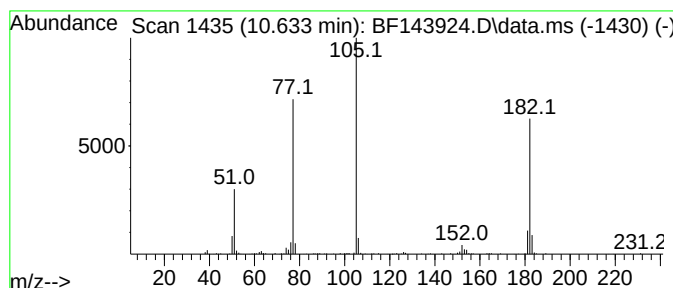
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	6.46 ng	296499	Acenaphthene-d10	9.922

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	53
4			N-(1-Cyanovinyl)benzamide	172	C10H8N2O	1000186-19-1	47
5			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143924.D
Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

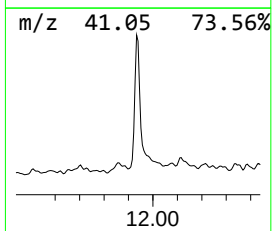
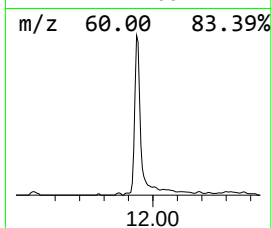
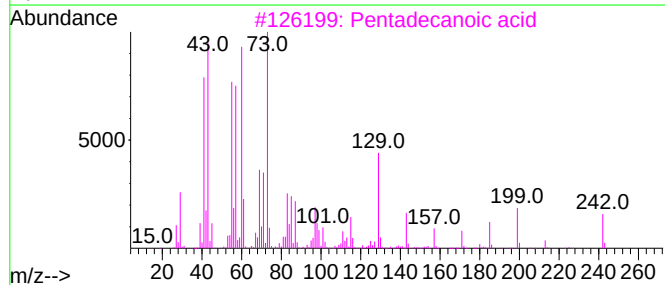
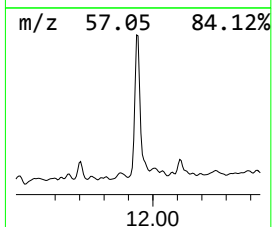
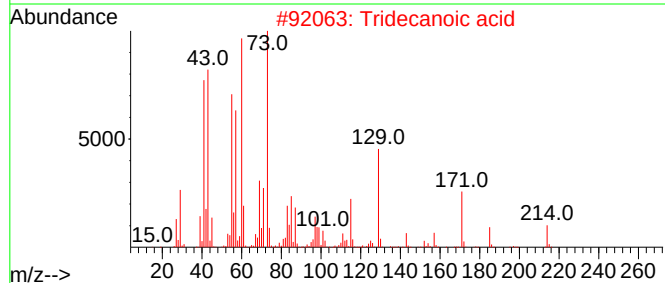
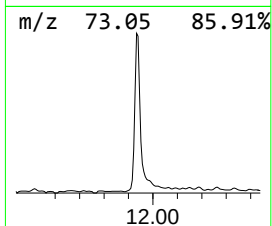
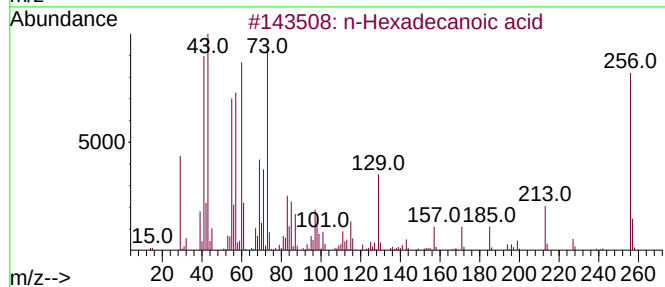
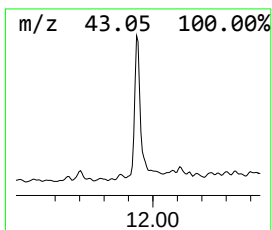
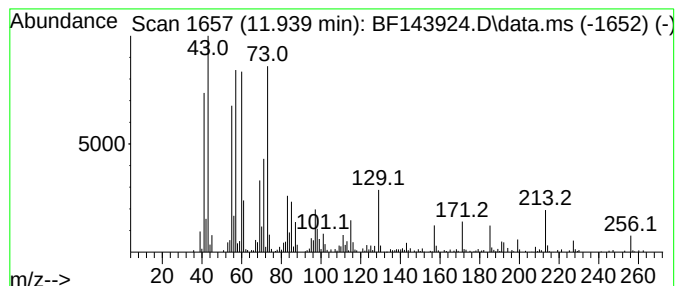
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	8.20 ng	388653	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	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4			Dodecanoic acid	200	C12H24O2	000143-07-7	52
5			Nonanoic acid	158	C9H18O2	000112-05-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143924.D
Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	10.633	6.5	ng	296499	3	9.922	917900	20.0
n-Hexadecanoic ...	11.939	8.2	ng	388653	4	11.410	947499	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: LANG01Lab Code: ACESDG No.: Q3310Instrument ID: BNA_FCalibration Date(s): 10/06/2025 10/06/2025Calibration 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.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: LANG01Lab Code: ACESDG No.: Q3310Instrument ID: BNA_FCalibration Date(s): 10/06/2025 10/06/2025Calibration 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.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: LANG01Lab Code: ACESDG No.: Q3310Instrument ID: BNA_FCalibration Date(s): 10/06/2025 10/06/2025Calibration 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.

Form VI SV-1

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 =BF143882.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	0.900	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	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	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	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	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	0.094	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

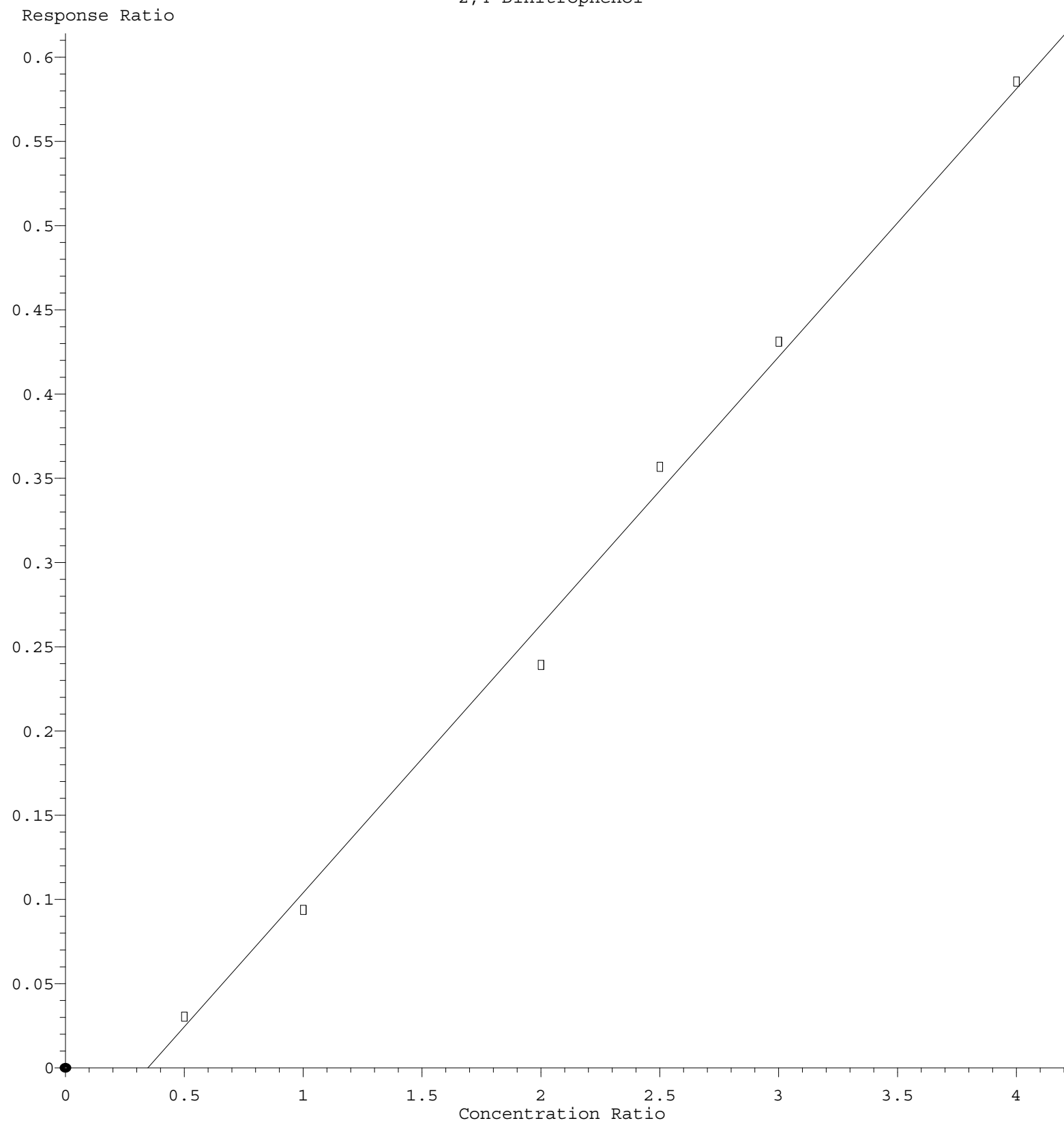
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.610	0.592	0.595	0.590	0.500	0.519	0.464	0.553	10.38	
41) P	Hexachlorocycl...	0.182	0.216	0.257	0.246	0.240	0.235	0.229		11.77	
42) S	2,4,6-Tribromo...	0.194	0.192	0.210	0.207	0.198	0.200	0.193	0.199	3.51	
43) C	2,4,6-Trichlor...	0.408	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

		-----ISTD-----									
86) I	Perylene-d12										
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

2,4-Dinitrophenol



Response = $1.591 \times 10^{-1} \times \text{Amt} - 5.521 \times 10^{-2}$
 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

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)

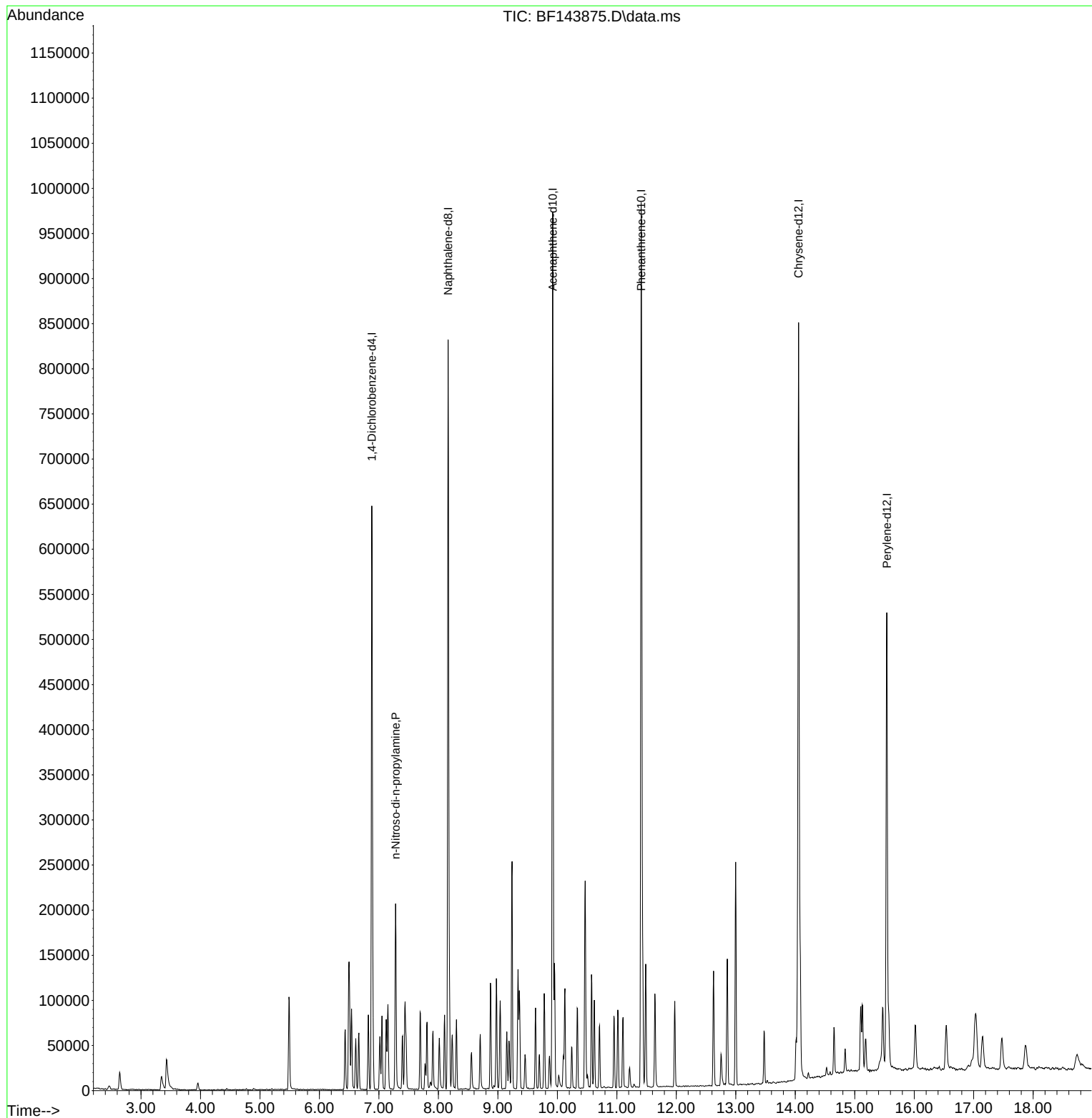
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	14.057	240	373433	20.000	ng	-0.01
86) Perylene-d12	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

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



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

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)
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

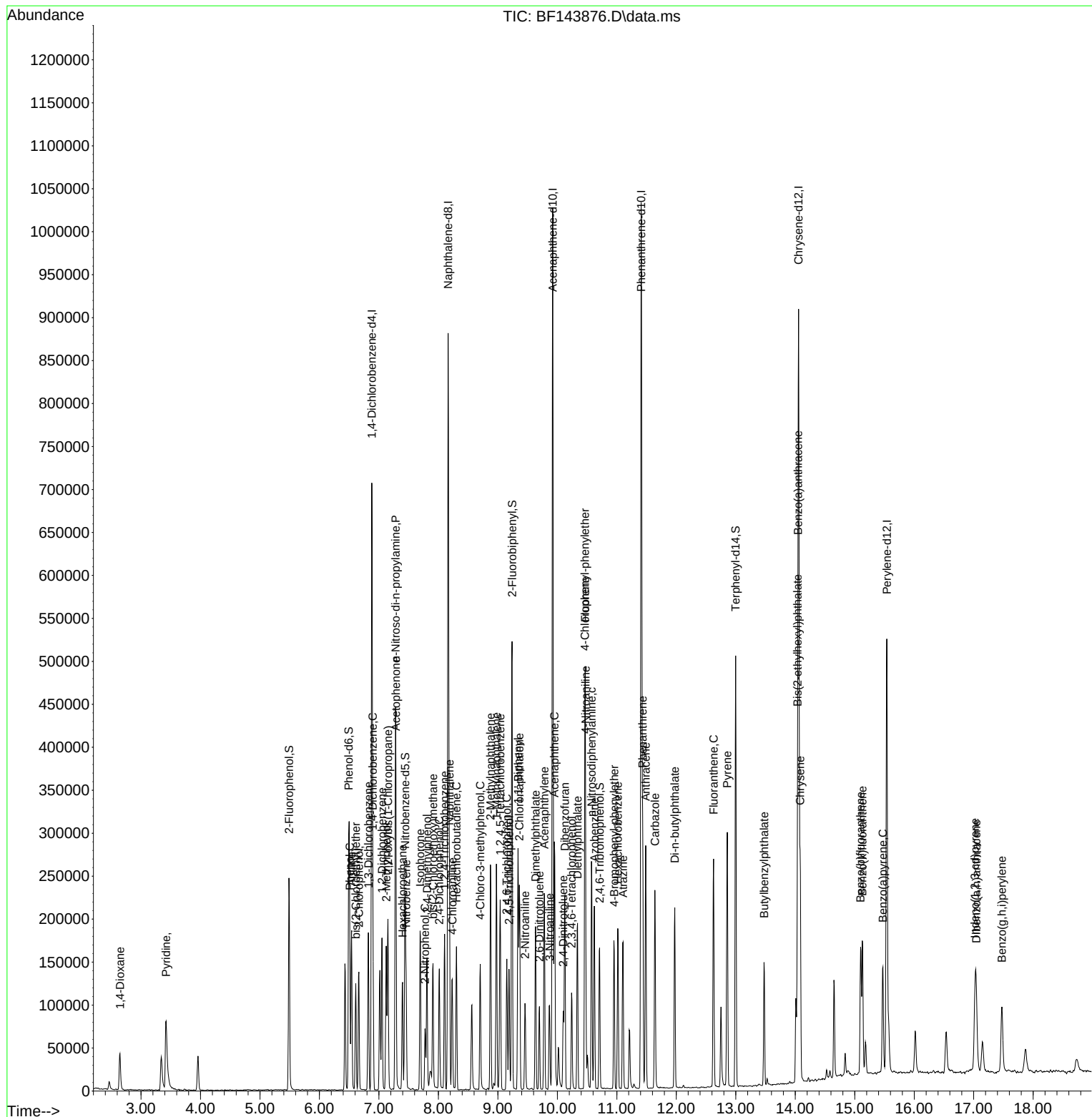
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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



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)

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

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

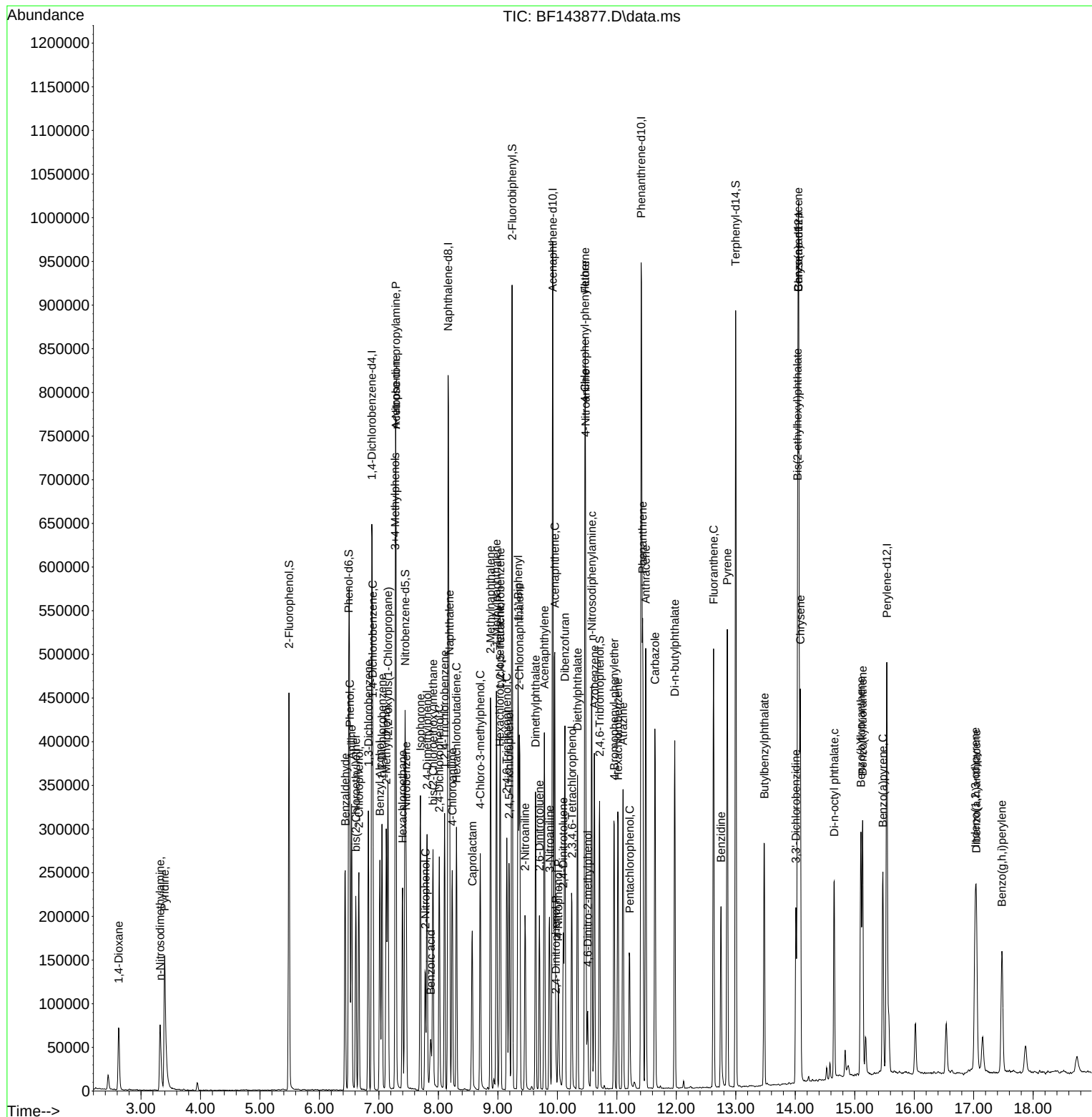
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\  
Data File : BF143877.D  
Acq On    : 06 Oct 2025  10:57  
Operator  : RC/JU  
Sample    : SSTDICC010  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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Instrument :
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



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

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)
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

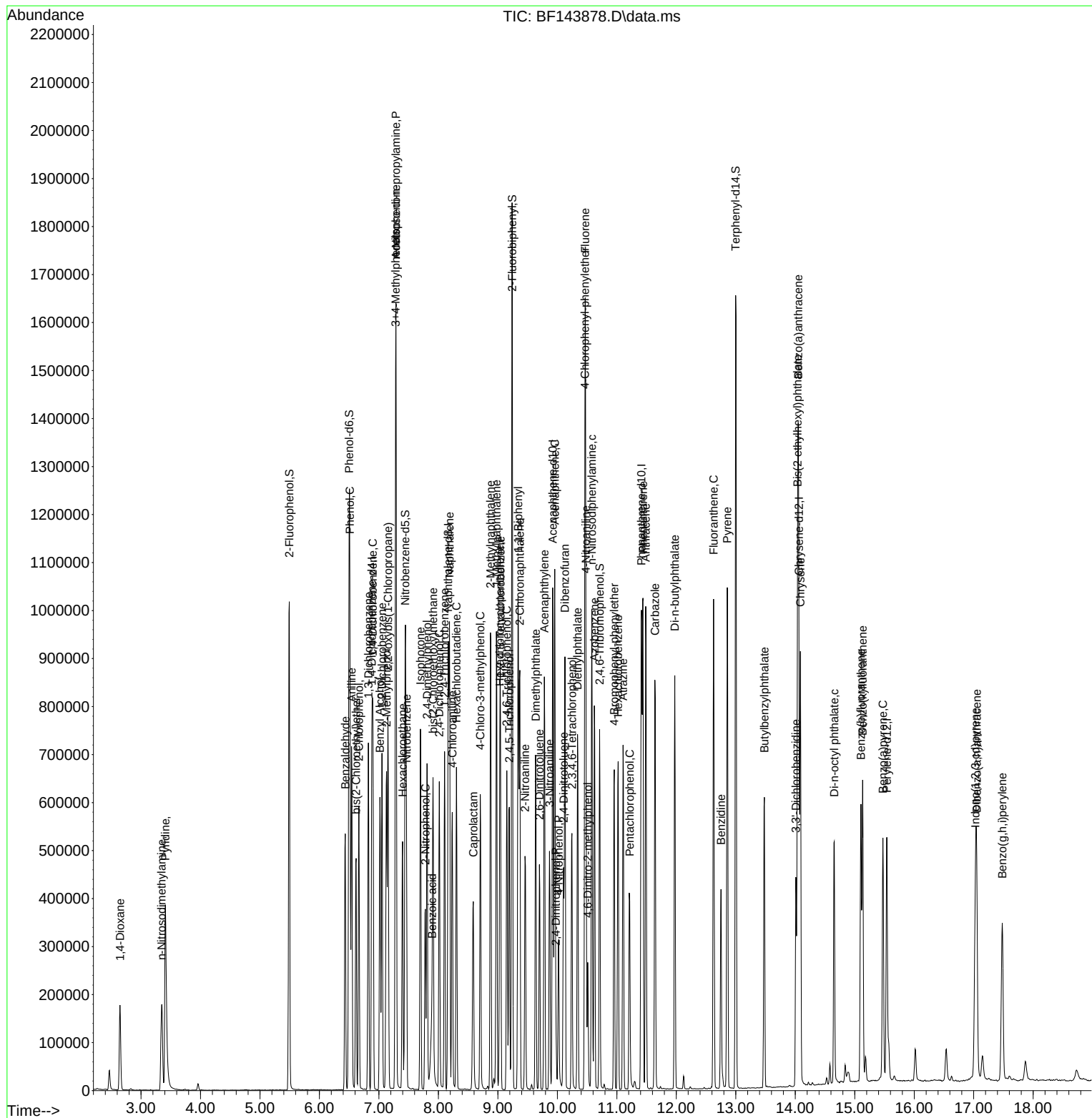
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Acq On    : 06 Oct 2025  11:56  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
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 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

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)
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

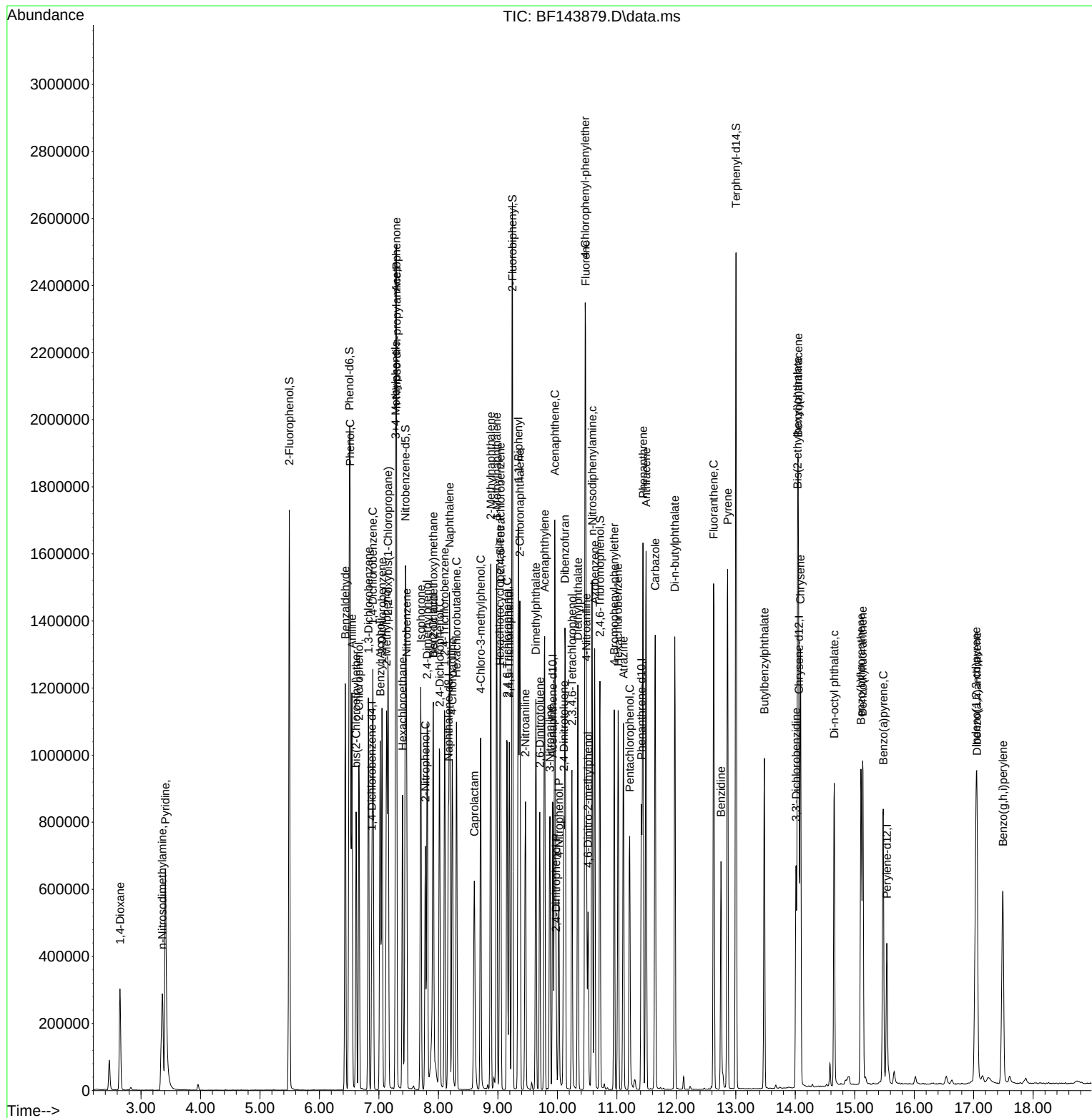
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



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

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

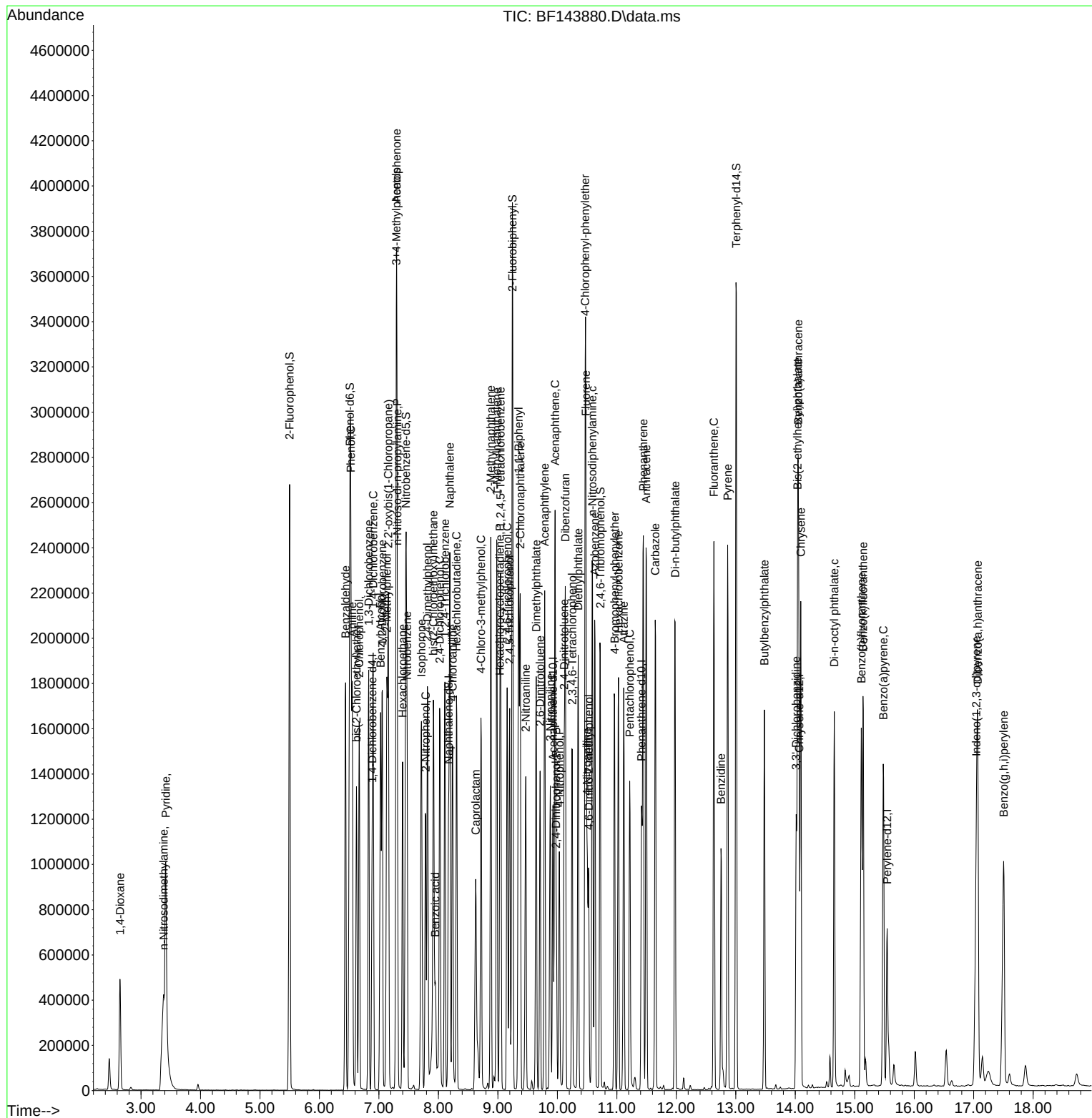
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng	99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng	99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng	98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng	96
49) Acenaphthylene	9.786	152	1364193	44.642	ng	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

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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
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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



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

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

[illegible]

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

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)
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

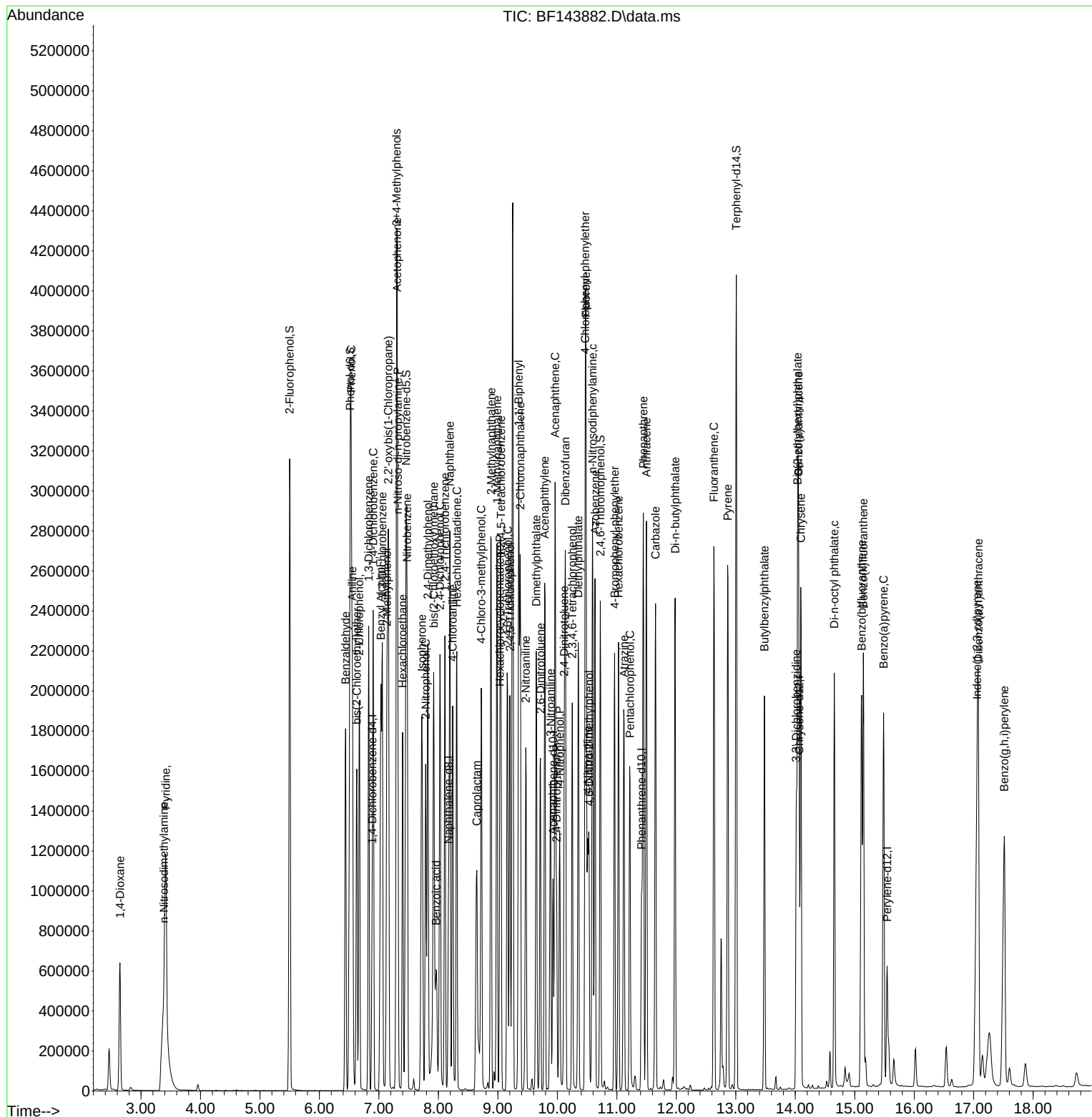
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\  
Data File : BF143882.D  
Acq On    : 06 Oct 2025  14:22  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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Instrument :
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



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

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

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

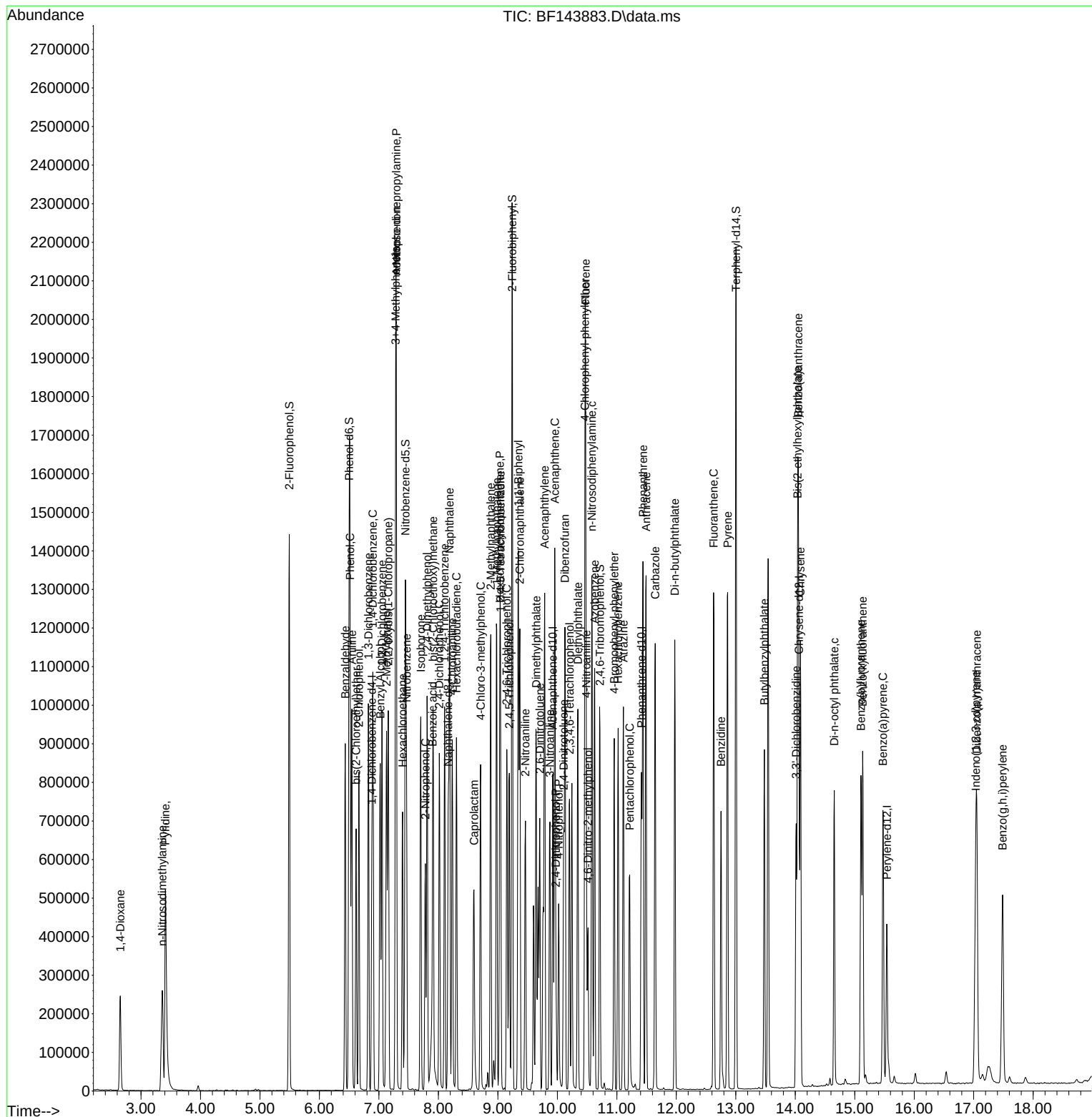
Quant Time: Oct 06 16:37:11 2025

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



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)
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

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	Benzydine	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

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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
 Data File : BF143883.D
 Acq On : 06 Oct 2025 16:08
 Operator : RC/JU
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 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	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

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

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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LANG01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3310</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/10/2025 12:32</u>
Lab File ID:	<u>BF143920.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.354		7.5	
Benzaldehyde	1.158	1.316		13.6	
Phenol-d6	1.501	1.564		4.2	
Phenol	1.795	1.996		11.2	20.0
bis(2-Chloroethyl)ether	1.386	1.462		5.5	
2-Chlorophenol	1.231	1.308		6.3	
2-Methylphenol	1.017	1.069		5.1	
2,2-oxybis(1-Chloropropane)	3.156	3.381		7.1	
Acetophenone	0.423	0.424		0.2	
3+4-Methylphenols	1.179	1.252		6.2	
n-Nitroso-di-n-propylamine	1.028	1.054	0.050	2.5	
Nitrobenzene-d5	0.329	0.354		7.6	
Hexachloroethane	0.485	0.507		4.5	
Nitrobenzene	0.366	0.393		7.4	
Isophorone	0.694	0.688		-0.9	
2-Nitrophenol	0.157	0.186		18.5	20.0
2,4-Dimethylphenol	0.282	0.286		1.4	
bis(2-Chloroethoxy)methane	0.438	0.435		-0.7	
2,4-Dichlorophenol	0.294	0.299		1.7	20.0
Naphthalene	0.910	0.910		0.0	
4-Chloroaniline	0.341	0.347		1.8	
Hexachlorobutadiene	0.201	0.198		-1.5	20.0
Caprolactam	0.093	0.097		4.3	
4-Chloro-3-methylphenol	0.282	0.286		1.4	20.0
2-Methylnaphthalene	0.606	0.601		-0.8	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.419		3.7	20.0
2-Fluorobiphenyl	1.260	1.193		-5.3	
2,4,5-Trichlorophenol	0.427	0.448		4.9	
1,1-Biphenyl	1.324	1.326		0.2	
2-Chloronaphthalene	1.104	1.120		1.4	
2-Nitroaniline	0.349	0.392		12.3	
Dimethylphthalate	1.270	1.302		2.5	
Acenaphthylene	1.552	1.573		1.4	
2,6-Dinitrotoluene	0.236	0.274		16.1	
3-Nitroaniline	0.288	0.314		9.0	
Acenaphthene	1.017	1.037		2.0	20.0
2,4-Dinitrophenol	0.118	0.135	0.050	14.4	
4-Nitrophenol	0.218	0.233	0.050	6.9	



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.: Q3310
 Instrument ID: BNA_F Calibration Date/Time: 10/10/2025 12:32
 Lab File ID: BF143920.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	1.442		0.4	
2,4-Dinitrotoluene	0.320	0.376		17.2	
Diethylphthalate	1.180	1.196		1.4	
4-Chlorophenyl-phenylether	0.573	0.581		1.4	
Fluorene	1.083	1.076		-0.6	
4-Nitroaniline	0.277	0.300		8.3	
4,6-Dinitro-2-methylphenol	0.101	0.113		11.9	
n-Nitrosodiphenylamine	0.628	0.633		0.8	20.0
2,4,6-Tribromophenol	0.199	0.207		4.0	
4-Bromophenyl-phenylether	0.221	0.221		0.0	
Hexachlorobenzene	0.256	0.254		-0.8	
Atrazine	0.190	0.187		-1.6	
Pentachlorophenol	0.147	0.149		1.4	20.0
Phenanthrene	0.970	0.969		-0.1	
Anthracene	0.980	0.973		-0.7	
Carbazole	0.868	0.862		-0.7	
Di-n-butylphthalate	1.005	1.055		5.0	
Fluoranthene	1.002	0.980		-2.2	20.0
Pyrene	1.667	1.818		9.1	
Terphenyl-d14	1.170	1.312		12.1	
Butylbenzylphthalate	0.542	0.630		16.2	
3,3-Dichlorobenzidine	0.399	0.413		3.5	
Benzo (a) anthracene	1.309	1.386		5.9	
Chrysene	1.211	1.284		6.0	
Bis(2-ethylhexyl)phthalate	0.653	0.759		16.2	
Di-n-octyl phthalate	1.072	1.255		17.1	20.0
Benzo (b) fluoranthene	1.149	1.152		0.3	
Benzo (k) fluoranthene	1.063	1.059		-0.4	
Benzo (a) pyrene	0.996	1.029		3.3	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.406		14.8	
Dibenzo (a,h) anthracene	0.986	1.138		15.4	
Benzo (g,h,i) perylene	0.986	1.131		14.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.568		2.7	
1,4-Dioxane	0.583	0.639		9.6	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.315		4.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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	114205	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	454258	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	244959	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	425799	20.000	ng	0.00
76) Chrysene-d12	14.063	240	235995	20.000	ng	0.00
86) Perylene-d12	15.539	264	249897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	618308	85.974	ng	0.00
7) Phenol-d6	6.504	99	714662	83.369	ng	-0.01
23) Nitrobenzene-d5	7.445	82	643677	86.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	202596	83.037	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1168558	75.694	ng	0.00
79) Terphenyl-d14	13.004	244	1238608	89.700	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.628	88	146010	43.873	ng	97
3) Pyridine	3.399	79	425512	43.920	ng	98
4) n-Nitrosodimethylamine	3.340	42	207859	40.784	ng	94
6) Aniline	6.545	93	532743	41.473	ng	99
8) 2-Chlorophenol	6.663	128	298774	42.500	ng	98
9) Benzaldehyde	6.434	77	300513	45.445	ng	99
10) Phenol	6.522	94	455875	44.482	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	333968	42.185	ng	98
12) 1,3-Dichlorobenzene	6.822	146	346389	41.163	ng	98
13) 1,4-Dichlorobenzene	6.898	146	352045	42.411	ng	99
14) 1,2-Dichlorobenzene	7.051	146	333920	41.999	ng	100
15) Benzyl Alcohol	7.022	79	282356	43.961	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	772142	42.849	ng	99
17) 2-Methylphenol	7.128	107	244175	42.028	ng	99
18) Hexachloroethane	7.398	117	115819	41.838	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	240772	41.033	ng	99
20) 3+4-Methylphenols	7.281	107	285999	42.474	ng	97
22) Acetophenone	7.292	105	385221	40.106	ng	98
24) Nitrobenzene	7.463	77	357330	43.035	ng	99
25) Isophorone	7.704	82	625096	39.650	ng	98
26) 2-Nitrophenol	7.781	139	169120	47.508	ng	99
27) 2,4-Dimethylphenol	7.816	122	260198	40.633	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	394819	39.645	ng	99
29) 2,4-Dichlorophenol	8.022	162	271493	40.702	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	263208	40.123	ng	98
31) Naphthalene	8.186	128	826450	39.995	ng	99
32) Benzoic acid	7.916	122	193551	43.673	ng	95
33) 4-Chloroaniline	8.233	127	315022	40.648	ng	99
34) Hexachlorobutadiene	8.304	225	179921	39.469	ng	97
35) Caprolactam	8.604	113	87766	41.382	ng	98
36) 4-Chloro-3-methylphenol	8.710	107	260239	40.616	ng	100
37) 2-Methylnaphthalene	8.881	142	546354	39.693	ng	100
38) 1-Methylnaphthalene	8.980	142	528428	39.579	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	278501	41.135	ng	98
41) Hexachlorocyclopentadiene	9.033	237	109563	39.008	ng	97
43) 2,4,6-Trichlorophenol	9.157	196	205387	41.519	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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

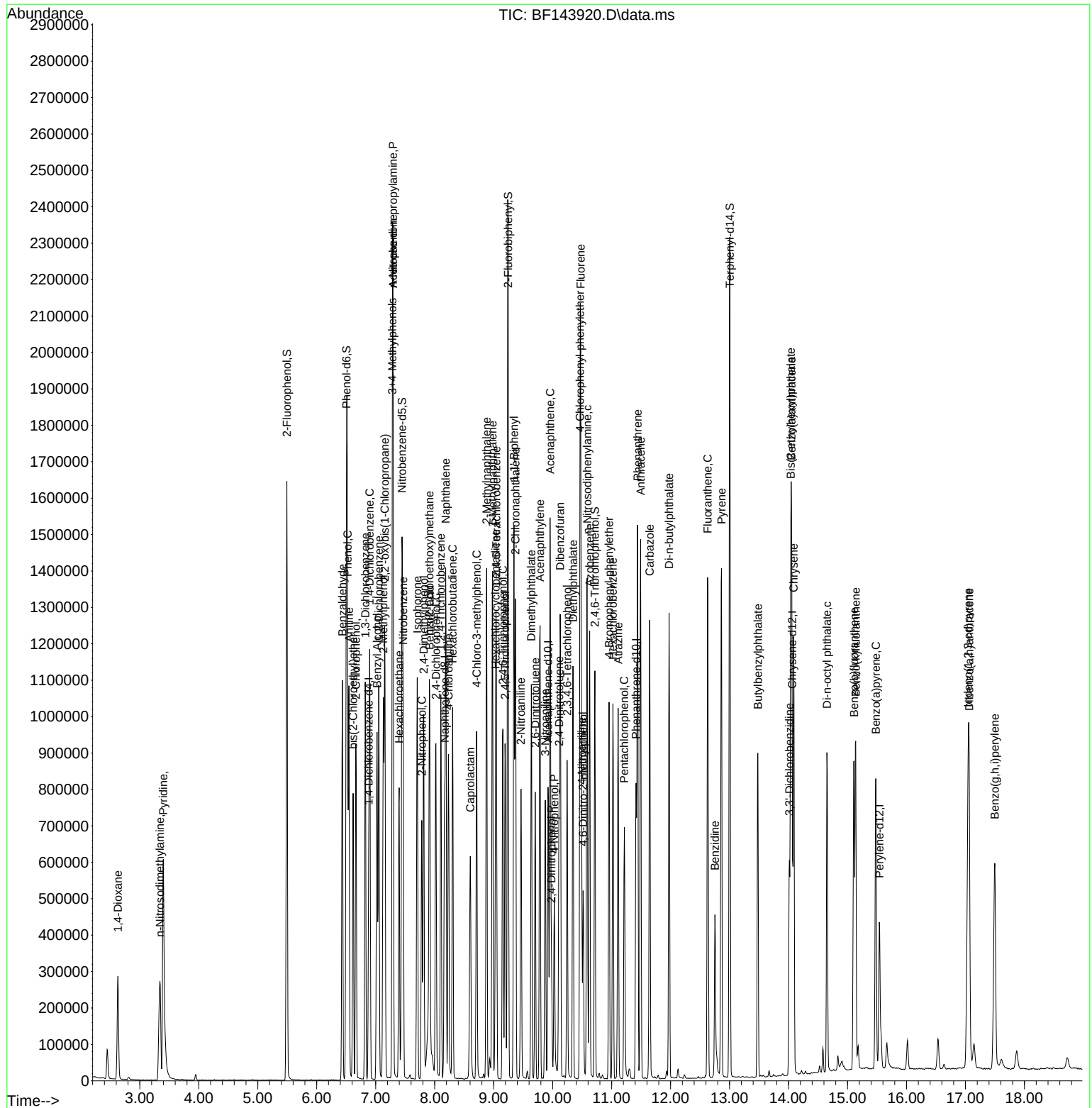
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	219570	42.002	ng	98
46) 1,1'-Biphenyl	9.345	154	649425	40.042	ng	99
47) 2-Chloronaphthalene	9.369	162	548743	40.581	ng	98
48) 2-Nitroaniline	9.463	65	192026	44.917	ng	97
49) Acenaphthylene	9.786	152	770792	40.546	ng	100
50) Dimethylphthalate	9.639	163	637750	40.997	ng	100
51) 2,6-Dinitrotoluene	9.704	165	134048	46.471	ng	98
52) Acenaphthene	9.957	154	508069	40.787	ng	99
53) 3-Nitroaniline	9.875	138	153638	43.499	ng	99
54) 2,4-Dinitrophenol	9.980	184	66354	40.998	ng	98
55) Dibenzofuran	10.127	168	706301	40.167	ng	100
56) 4-Nitrophenol	10.028	139	114093	42.663	ng	96
57) 2,4-Dinitrotoluene	10.110	165	183964	46.872	ng	99
58) Fluorene	10.475	166	527033	39.721	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	154350	41.710	ng	# 99
60) Diethylphthalate	10.345	149	586148	40.559	ng	98
61) 4-Chlorophenyl-phenyle...	10.463	204	284601	40.571	ng	99
62) 4-Nitroaniline	10.492	138	146806	43.223	ng	94
63) Azobenzene	10.627	77	626735	41.495	ng	99
65) 4,6-Dinitro-2-methylph...	10.516	198	96448	45.075	ng	94
66) n-Nitrosodiphenylamine	10.586	169	539152	40.326	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	187909	39.932	ng	99
68) Hexachlorobenzene	11.022	284	216003	39.649	ng	100
69) Atrazine	11.110	200	158847	39.200	ng	97
70) Pentachlorophenol	11.216	266	126577	40.455	ng	97
71) Phenanthrene	11.439	178	825590	39.994	ng	99
72) Anthracene	11.492	178	828392	39.723	ng	98
73) Carbazole	11.645	167	733671	39.723	ng	99
74) Di-n-butylphthalate	11.974	149	898491	41.974	ng	99
75) Fluoranthene	12.627	202	834267	39.126	ng	99
77) Benzidine	12.751	184	300900	36.721	ng	98
78) Pyrene	12.863	202	857937	43.606	ng	100
80) Butylbenzylphthalate	13.480	149	297395	46.543	ng	97
81) Benzo(a)anthracene	14.051	228	654087	42.353	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	194778	41.385	ng	100
83) Chrysene	14.086	228	606175	42.409	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	358224	46.508	ng	99
85) Di-n-octyl phthalate	14.651	149	592380	46.826	ng	99
87) Indeno(1,2,3-cd)pyrene	17.045	276	702772	45.896	ng	98
88) Benzo(b)fluoranthene	15.110	252	575910	40.120	ng	99
89) Benzo(k)fluoranthene	15.139	252	529146	39.837	ng	99
90) Benzo(a)pyrene	15.480	252	514292	41.318	ng	99
91) Dibenzo(a,h)anthracene	17.062	278	568953	46.200	ng	100
92) Benzo(g,h,i)perylene	17.498	276	565507	45.920	ng	98

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\  
Data File : BF143920.D  
Acq On    : 10 Oct 2025 12:32  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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	92	0.00
2	1,4-Dioxane	40.000	43.873	-9.7	97	-0.02
3	Pyridine	40.000	43.920	-9.8	97	-0.02
4	n-Nitrosodimethylamine	40.000	40.784	-2.0	92	-0.05
5 S	2-Fluorophenol	80.000	85.974	-7.5	95	0.00
6	Aniline	40.000	41.473	-3.7	92	0.00
7 S	Phenol-d6	80.000	83.369	-4.2	93	-0.01
8	2-Chlorophenol	40.000	42.500	-6.3	93	0.00
9	Benzaldehyde	40.000	45.445	-13.6	91	0.00
10 C	Phenol	40.000	44.482	-11.2	100	-0.01
11	bis(2-Chloroethyl)ether	40.000	42.185	-5.5	93	-0.01
12	1,3-Dichlorobenzene	40.000	41.163	-2.9	92	0.00
13 C	1,4-Dichlorobenzene	40.000	42.411	-6.0	95	0.00
14	1,2-Dichlorobenzene	40.000	41.999	-5.0	94	0.00
15	Benzyl Alcohol	40.000	43.961	-9.9	97	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	42.849	-7.1	96	0.00
17	2-Methylphenol	40.000	42.028	-5.1	93	0.00
18	Hexachloroethane	40.000	41.838	-4.6	93	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.033	-2.6	95	-0.02
20	3+4-Methylphenols	40.000	42.474	-6.2	91	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22	Acetophenone	40.000	40.106	-0.3	93	-0.01
23 S	Nitrobenzene-d5	80.000	86.089	-7.6	97	-0.01
24	Nitrobenzene	40.000	43.035	-7.6	95	-0.01
25	Isophorone	40.000	39.650	0.9	92	-0.02
26 C	2-Nitrophenol	40.000	47.508	-18.8	101	0.00
27	2,4-Dimethylphenol	40.000	40.633	-1.6	92	0.00
28	bis(2-Chloroethoxy)methane	40.000	39.645	0.9	93	-0.01
29 C	2,4-Dichlorophenol	40.000	40.702	-1.8	92	0.00
30	1,2,4-Trichlorobenzene	40.000	40.123	-0.3	92	0.00
31	Naphthalene	40.000	39.995	0.0	92	0.00
32	Benzoic acid	40.000	43.673	-9.2	101	-0.05
33	4-Chloroaniline	40.000	40.648	-1.6	92	0.00
34 C	Hexachlorobutadiene	40.000	39.469	1.3	91	0.00
35	Caprolactam	40.000	41.382	-3.5	96	-0.04
36 C	4-Chloro-3-methylphenol	40.000	40.616	-1.5	94	-0.01
37	2-Methylnaphthalene	40.000	39.693	0.8	92	0.00
38	1-Methylnaphthalene	40.000	39.579	1.1	91	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	94	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.135	-2.8	91	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.008	2.5	82	0.00
42 S	2,4,6-Tribromophenol	80.000	83.037	-3.8	94	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.519	-3.8	89	0.00
44	2,4,5-Trichlorophenol	40.000	42.002	-5.0	93	-0.01
45 S	2-Fluorobiphenyl	80.000	75.694	5.4	92	0.00
46	1,1'-Biphenyl	40.000	40.042	-0.1	91	0.00
47	2-Chloronaphthalene	40.000	40.581	-1.5	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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	44.917	-12.3	94	0.00
49	Acenaphthylene	40.000	40.546	-1.4	91	0.00
50	Dimethylphthalate	40.000	40.997	-2.5	95	0.00
51	2,6-Dinitrotoluene	40.000	46.471	-16.2	98	-0.01
52 C	Acenaphthene	40.000	40.787	-2.0	93	0.00
53	3-Nitroaniline	40.000	43.499	-8.7	96	-0.01
54 P	2,4-Dinitrophenol	40.000	40.998	-2.5	107	0.00
55	Dibenzofuran	40.000	40.167	-0.4	91	0.00
56 P	4-Nitrophenol	40.000	42.663	-6.7	94	-0.01
57	2,4-Dinitrotoluene	40.000	46.872	-17.2	97	0.00
58	Fluorene	40.000	39.721	0.7	92	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.710	-4.3	91	0.00
60	Diethylphthalate	40.000	40.559	-1.4	92	0.00
61	4-Chlorophenyl-phenylether	40.000	40.571	-1.4	92	0.00
62	4-Nitroaniline	40.000	43.223	-8.1	97	-0.02
63	Azobenzene	40.000	41.495	-3.7	94	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	96	0.00
65	4,6-Dinitro-2-methylphenol	40.000	45.075	-12.7	98	-0.02
66 c	n-Nitrosodiphenylamine	40.000	40.326	-0.8	92	0.00
67	4-Bromophenyl-phenylether	40.000	39.932	0.2	91	0.00
68	Hexachlorobenzene	40.000	39.649	0.9	91	0.00
69	Atrazine	40.000	39.200	2.0	92	-0.01
70 C	Pentachlorophenol	40.000	40.455	-1.1	90	0.00
71	Phenanthrene	40.000	39.994	0.0	95	0.00
72	Anthracene	40.000	39.723	0.7	91	0.00
73	Carbazole	40.000	39.723	0.7	93	0.00
74	Di-n-butylphthalate	40.000	41.974	-4.9	96	0.00
75 C	Fluoranthene	40.000	39.126	2.2	91	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77	Benzidine	40.000	36.721	8.2	78	0.00
78	Pyrene	40.000	43.606	-9.0	90	0.00
79 S	Terphenyl-d14	80.000	89.700	-12.1	95	0.00
80	Butylbenzylphthalate	40.000	46.543	-16.4	94	0.00
81	Benzo(a)anthracene	40.000	42.353	-5.9	92	0.00
82	3,3'-Dichlorobenzidine	40.000	41.385	-3.5	87	0.00
83	Chrysene	40.000	42.409	-6.0	92	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	46.508	-16.3	95	0.00
85 c	Di-n-octyl phthalate	40.000	46.826	-17.1	97	0.00
86 I	Perylene-d12	20.000	20.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	45.896	-14.7	101	-0.01
88	Benzo(b)fluoranthene	40.000	40.120	-0.3	90	0.00
89	Benzo(k)fluoranthene	40.000	39.837	0.4	95	0.00
90 C	Benzo(a)pyrene	40.000	41.318	-3.3	93	0.00
91	Dibenzo(a,h)anthracene	40.000	46.200	-15.5	100	-0.02
92	Benzo(g,h,i)perylene	40.000	45.920	-14.8	101	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 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)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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	0.639	-9.6	97	-0.02
3	Pyridine	1.697	1.863	-9.8	97	-0.02
4	n-Nitrosodimethylamine	0.893	0.910	-1.9	92	-0.05
5 S	2-Fluorophenol	1.259	1.354	-7.5	95	0.00
6	Aniline	2.250	2.332	-3.6	92	0.00
7 S	Phenol-d6	1.501	1.564	-4.2	93	-0.01
8	2-Chlorophenol	1.231	1.308	-6.3	93	0.00
9	Benzaldehyde	1.158	1.316	-13.6	91	0.00
10 C	Phenol	1.795	1.996	-11.2	100	-0.01
11	bis(2-Chloroethyl)ether	1.386	1.462	-5.5	93	-0.01
12	1,3-Dichlorobenzene	1.474	1.517	-2.9	92	0.00
13 C	1,4-Dichlorobenzene	1.454	1.541	-6.0	95	0.00
14	1,2-Dichlorobenzene	1.392	1.462	-5.0	94	0.00
15	Benzyl Alcohol	1.125	1.236	-9.9	97	-0.01
16	2,2'-oxybis(1-Chloropropane	3.156	3.381	-7.1	96	0.00
17	2-Methylphenol	1.017	1.069	-5.1	93	0.00
18	Hexachloroethane	0.485	0.507	-4.5	93	0.00
19 P	n-Nitroso-di-n-propylamine	1.028	1.054	-2.5	95	-0.02
20	3+4-Methylphenols	1.179	1.252	-6.2	91	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	Acetophenone	0.423	0.424	-0.2	93	-0.01
23 S	Nitrobenzene-d5	0.329	0.354	-7.6	97	-0.01
24	Nitrobenzene	0.366	0.393	-7.4	95	-0.01
25	Isophorone	0.694	0.688	0.9	92	-0.02
26 C	2-Nitrophenol	0.157	0.186	-18.5	101	0.00
27	2,4-Dimethylphenol	0.282	0.286	-1.4	92	0.00
28	bis(2-Chloroethoxy)methane	0.438	0.435	0.7	93	-0.01
29 C	2,4-Dichlorophenol	0.294	0.299	-1.7	92	0.00
30	1,2,4-Trichlorobenzene	0.289	0.290	-0.3	92	0.00
31	Naphthalene	0.910	0.910	0.0	92	0.00
32	Benzoic acid	0.195	0.213	-9.2	101	-0.05
33	4-Chloroaniline	0.341	0.347	-1.8	92	0.00
34 C	Hexachlorobutadiene	0.201	0.198	1.5	91	0.00
35	Caprolactam	0.093	0.097	-4.3	96	-0.04
36 C	4-Chloro-3-methylphenol	0.282	0.286	-1.4	94	-0.01
37	2-Methylnaphthalene	0.606	0.601	0.8	92	0.00
38	1-Methylnaphthalene	0.588	0.582	1.0	91	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00
40	1,2,4,5-Tetrachlorobenzene	0.553	0.568	-2.7	91	0.00
41 P	Hexachlorocyclopentadiene	0.229	0.224	2.2	82	0.00
42 S	2,4,6-Tribromophenol	0.199	0.207	-4.0	94	0.00
43 C	2,4,6-Trichlorophenol	0.404	0.419	-3.7	89	0.00
44	2,4,5-Trichlorophenol	0.427	0.448	-4.9	93	-0.01
45 S	2-Fluorobiphenyl	1.260	1.193	5.3	92	0.00
46	1,1'-Biphenyl	1.324	1.326	-0.2	91	0.00
47	2-Chloronaphthalene	1.104	1.120	-1.4	93	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143920.D
 Acq On : 10 Oct 2025 12:32
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 10 14:51:40 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	94	0.00
49	Acenaphthylene	1.552	1.573	-1.4	91	0.00
50	Dimethylphthalate	1.270	1.302	-2.5	95	0.00
51	2,6-Dinitrotoluene	0.236	0.274	-16.1	98	-0.01
52 C	Acenaphthene	1.017	1.037	-2.0	93	0.00
53	3-Nitroaniline	0.288	0.314	-9.0	96	-0.01
54 P	2,4-Dinitrophenol	0.118	0.135	-14.4	107	0.00
55	Dibenzofuran	1.436	1.442	-0.4	91	0.00
56 P	4-Nitrophenol	0.218	0.233	-6.9	94	-0.01
57	2,4-Dinitrotoluene	0.320	0.375	-17.2	97	0.00
58	Fluorene	1.083	1.076	0.6	92	0.00
59	2,3,4,6-Tetrachlorophenol	0.302	0.315	-4.3	91	0.00
60	Diethylphthalate	1.180	1.196	-1.4	92	0.00
61	4-Chlorophenyl-phenylether	0.573	0.581	-1.4	92	0.00
62	4-Nitroaniline	0.277	0.300	-8.3	97	-0.02
63	Azobenzene	1.233	1.279	-3.7	94	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	96	0.00
65	4,6-Dinitro-2-methylphenol	0.101	0.113	-11.9	98	-0.02
66 c	n-Nitrosodiphenylamine	0.628	0.633	-0.8	92	0.00
67	4-Bromophenyl-phenylether	0.221	0.221	0.0	91	0.00
68	Hexachlorobenzene	0.256	0.254	0.8	91	0.00
69	Atrazine	0.190	0.187	1.6	92	-0.01
70 C	Pentachlorophenol	0.147	0.149	-1.4	90	0.00
71	Phenanthrene	0.970	0.969	0.1	95	0.00
72	Anthracene	0.980	0.973	0.7	91	0.00
73	Carbazole	0.868	0.862	0.7	93	0.00
74	Di-n-butylphthalate	1.005	1.055	-5.0	96	0.00
75 C	Fluoranthene	1.002	0.980	2.2	91	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77	Benzydine	0.694	0.638	8.1	78	0.00
78	Pyrene	1.667	1.818	-9.1	90	0.00
79 S	Terphenyl-d14	1.170	1.312	-12.1	95	0.00
80	Butylbenzylphthalate	0.542	0.630	-16.2	94	0.00
81	Benzo(a)anthracene	1.309	1.386	-5.9	92	0.00
82	3,3'-Dichlorobenzidine	0.399	0.413	-3.5	87	0.00
83	Chrysene	1.211	1.284	-6.0	92	0.00
84	Bis(2-ethylhexyl)phthalate	0.653	0.759	-16.2	95	0.00
85 c	Di-n-octyl phthalate	1.072	1.255	-17.1	97	0.00
86 I	Perylene-d12	1.000	1.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	1.225	1.406	-14.8	101	-0.01
88	Benzo(b)fluoranthene	1.149	1.152	-0.3	90	0.00
89	Benzo(k)fluoranthene	1.063	1.059	0.4	95	0.00
90 C	Benzo(a)pyrene	0.996	1.029	-3.3	93	0.00
91	Dibenzo(a,h)anthracene	0.986	1.138	-15.4	100	-0.02
92	Benzo(g,h,i)perylene	0.986	1.131	-14.7	101	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143920.D
Acq On : 10 Oct 2025 12:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 10 14:51:40 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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>LANG01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3310</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/14/2025 13:57</u>
Lab File ID:	<u>BF143946.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (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	



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.: Q3310
 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

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025

Supervised By :mohammad ahmed 10/17/2025

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

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

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

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

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

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

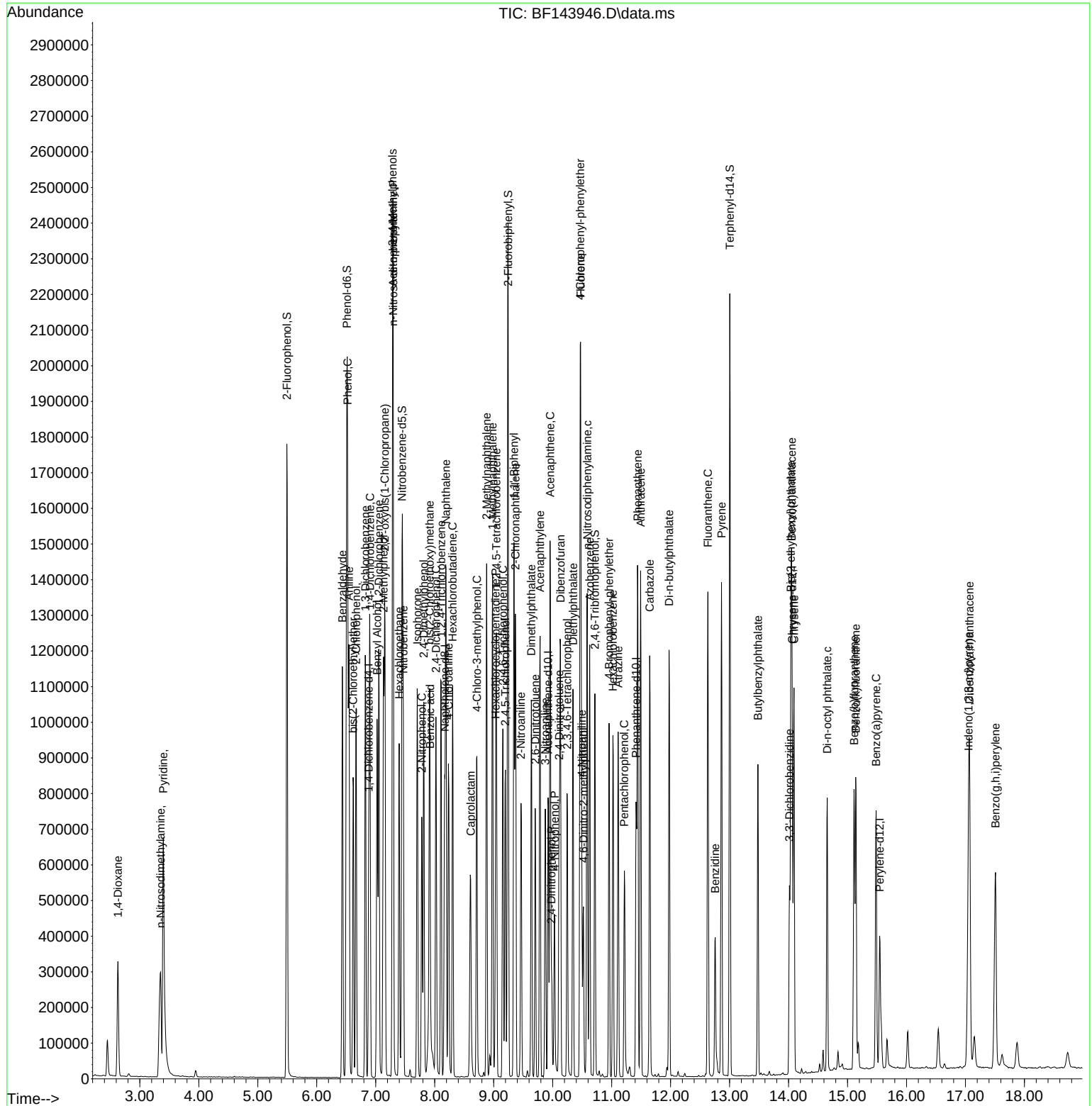
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\  
Data File : BF143946.D  
Acq On    : 14 Oct 2025  13:57  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

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



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

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	Benzydine	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)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
 Data File : BF143946.D
 Acq On : 14 Oct 2025 13:57
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	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

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

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



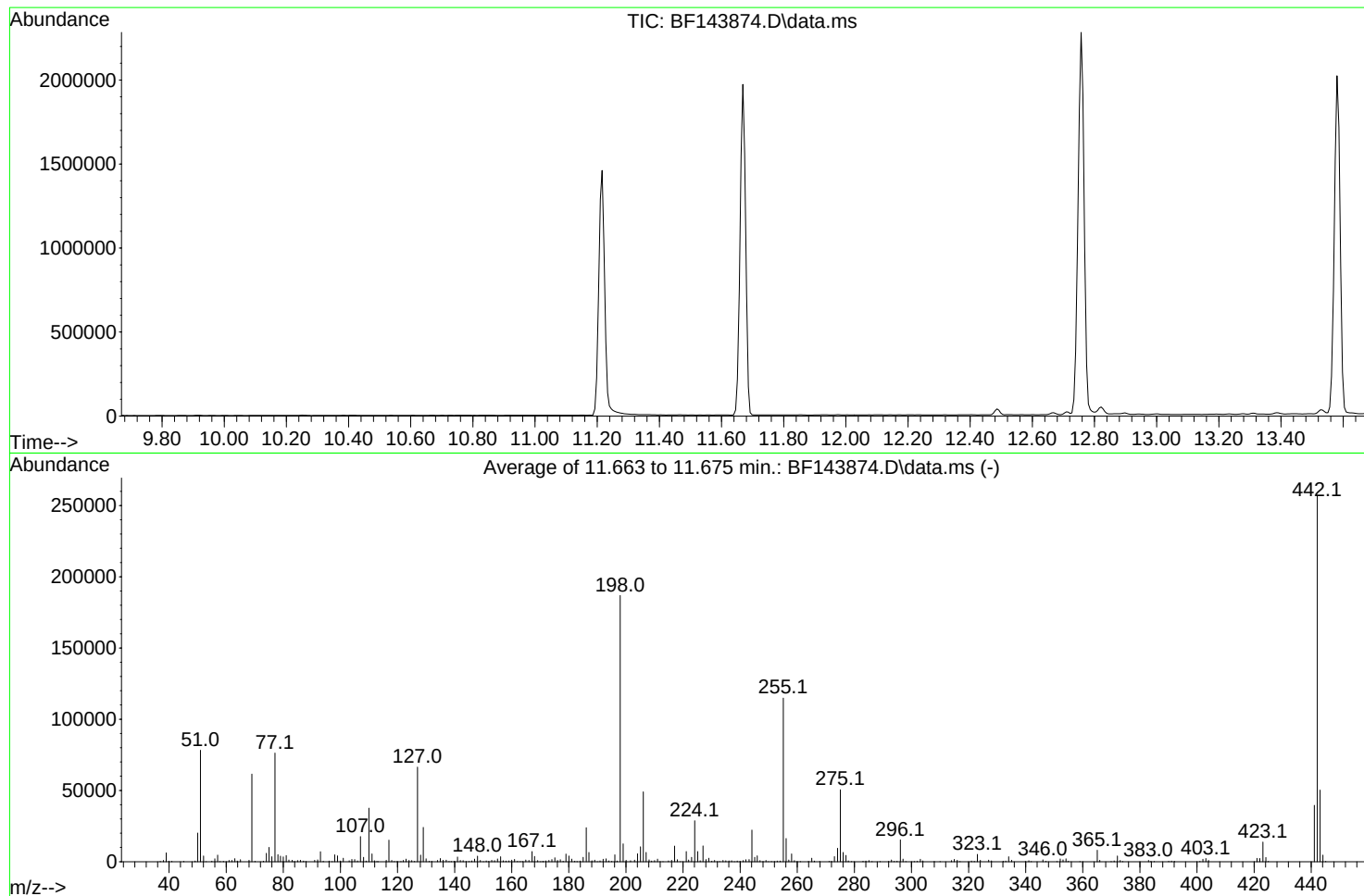
QC SAMPLE DATA

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



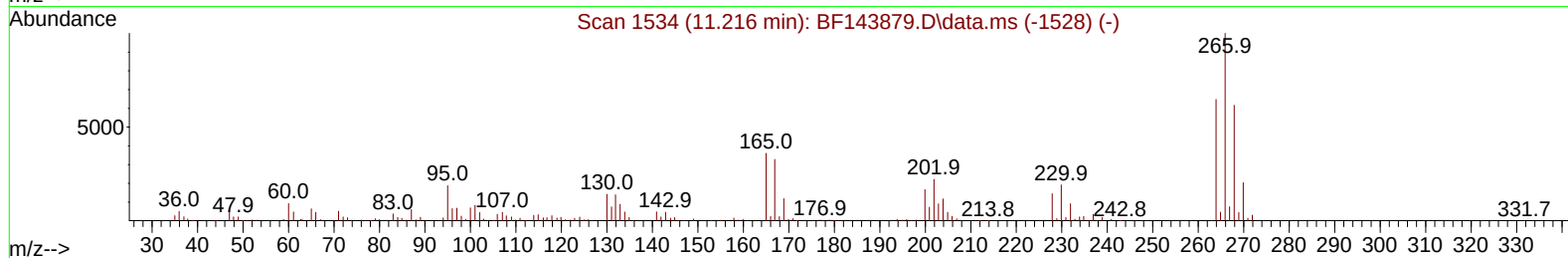
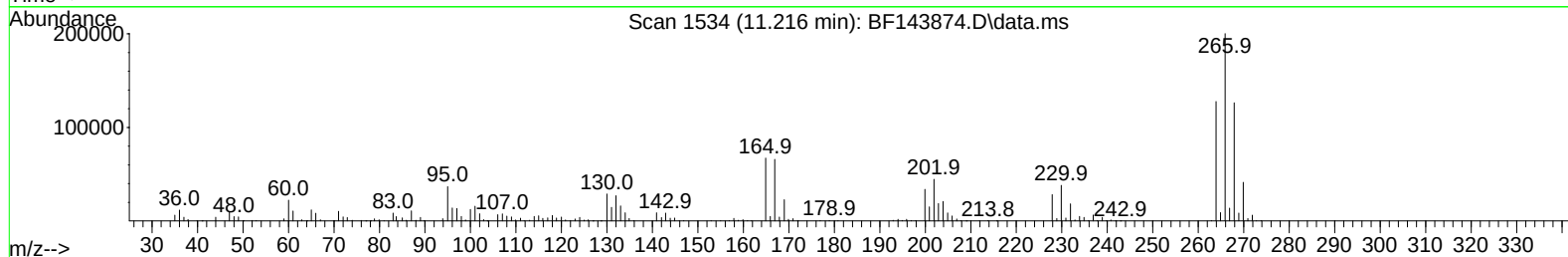
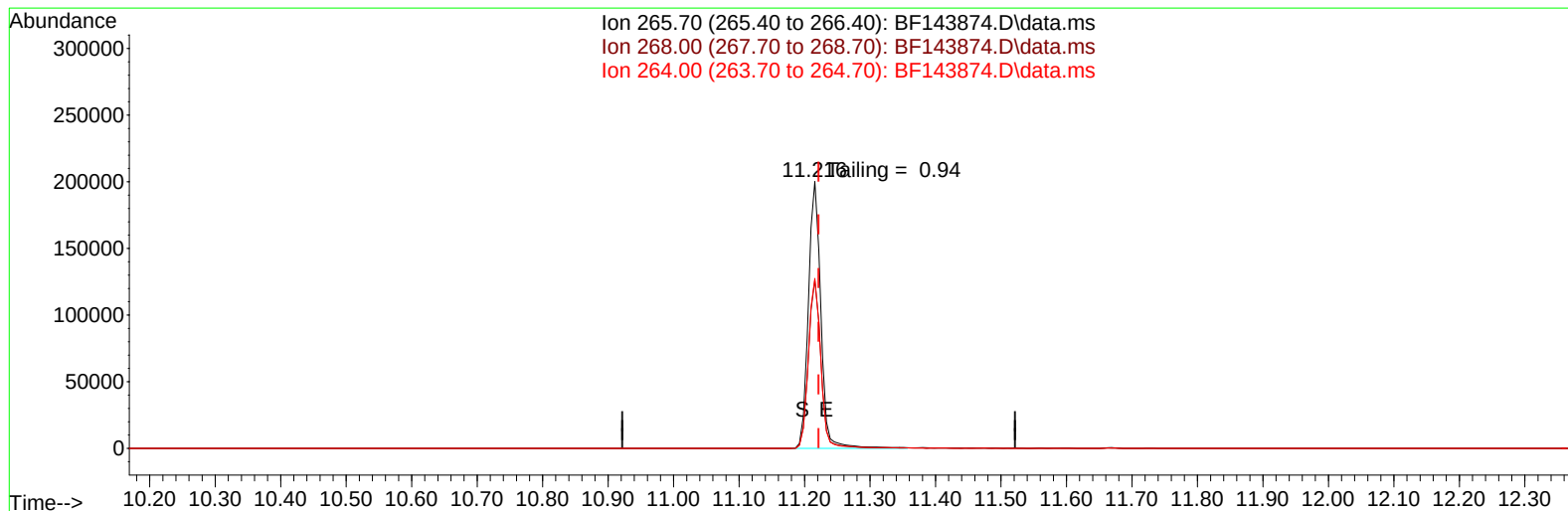
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

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

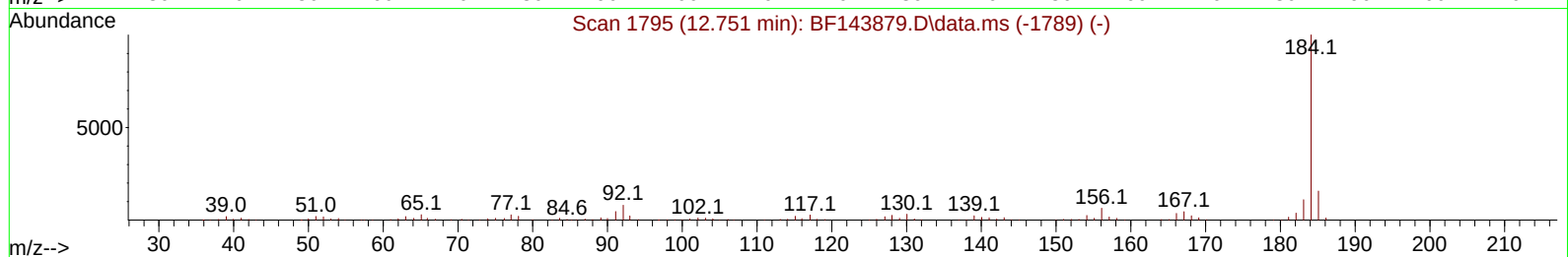
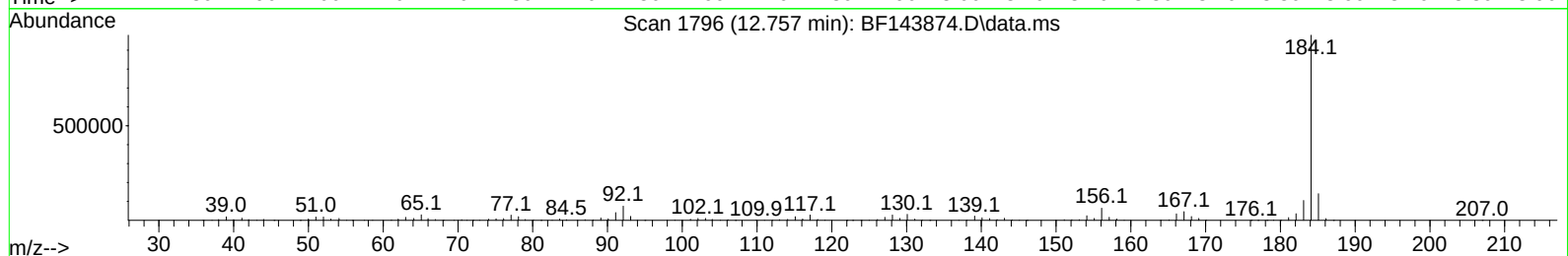
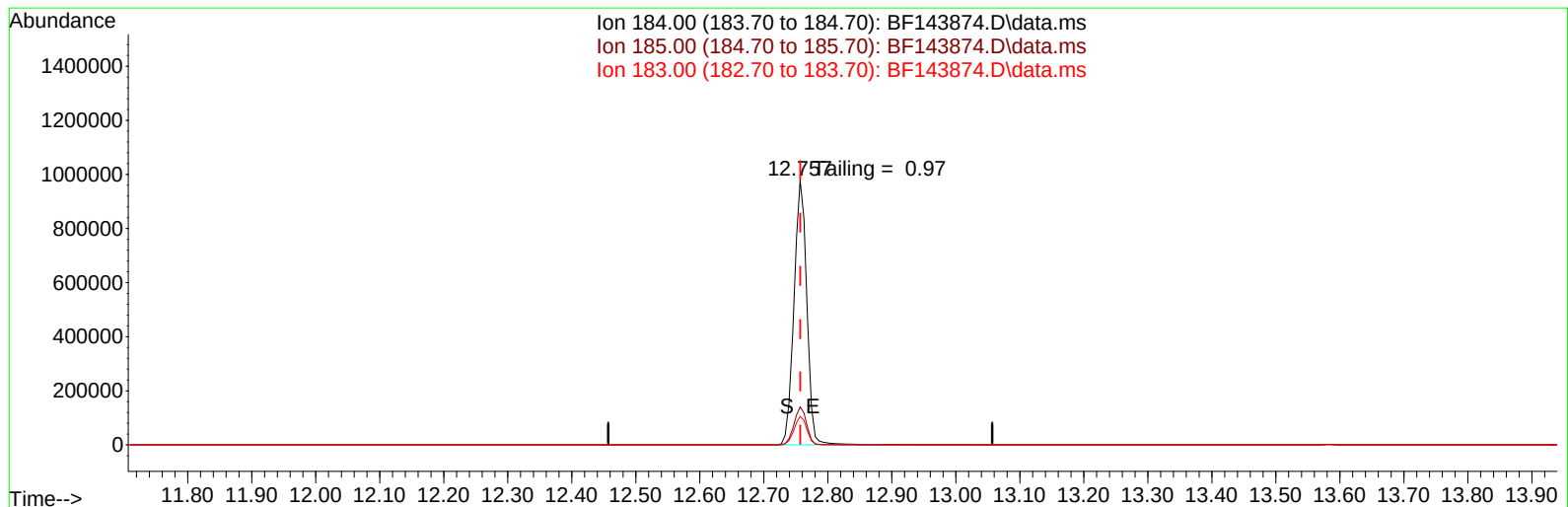
response 265194

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

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	<u>BF143874.D</u>
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

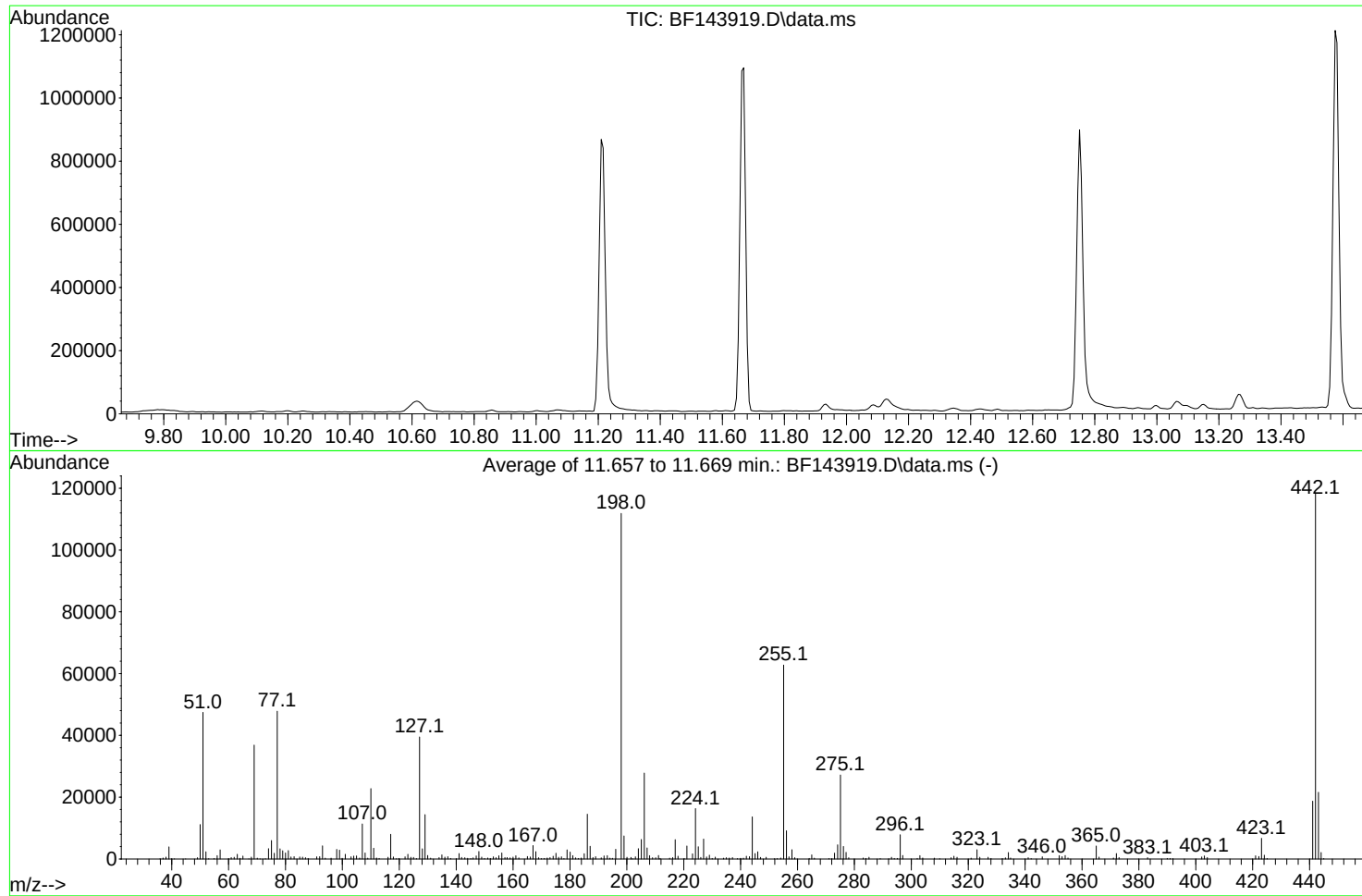
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
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



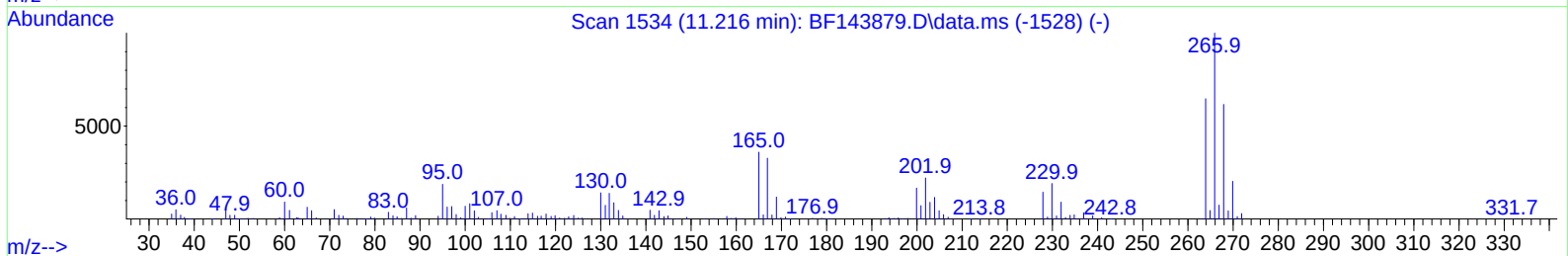
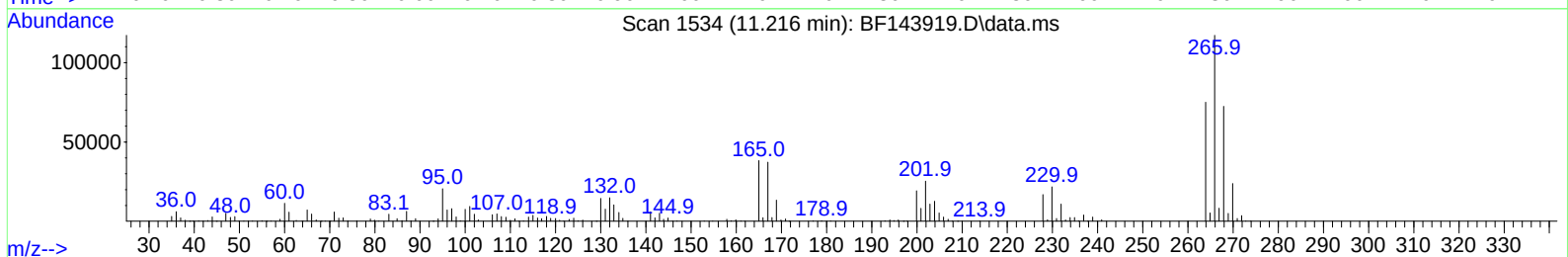
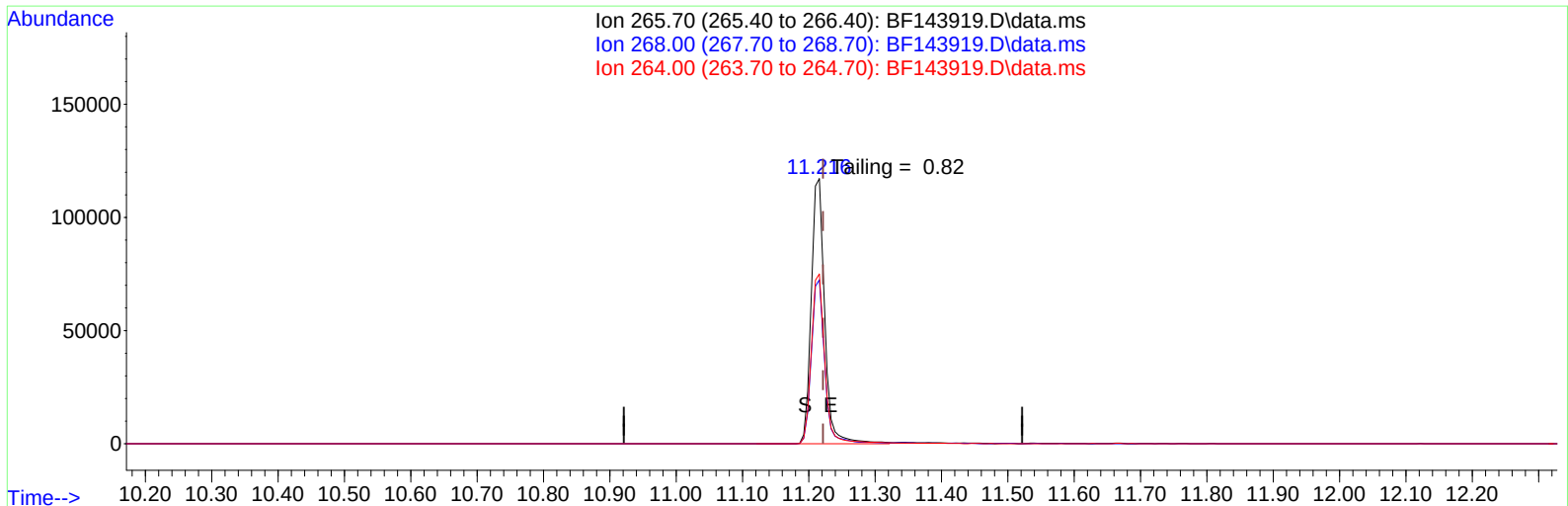
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	596	PASS
69	69	100	100	100.0	36837	PASS
70	69	0.00	2	0.7	249	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	111853	PASS
199	198	5	9	6.7	7452	PASS
365	198	1	100	3.8	4202	PASS
441	443	0.01	150	86.7	18693	PASS
442	442	100	100	100.0	118192	PASS
443	442	15	24	18.2	21559	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 10 13:10:16 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: BF143919.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 39764.54 ng

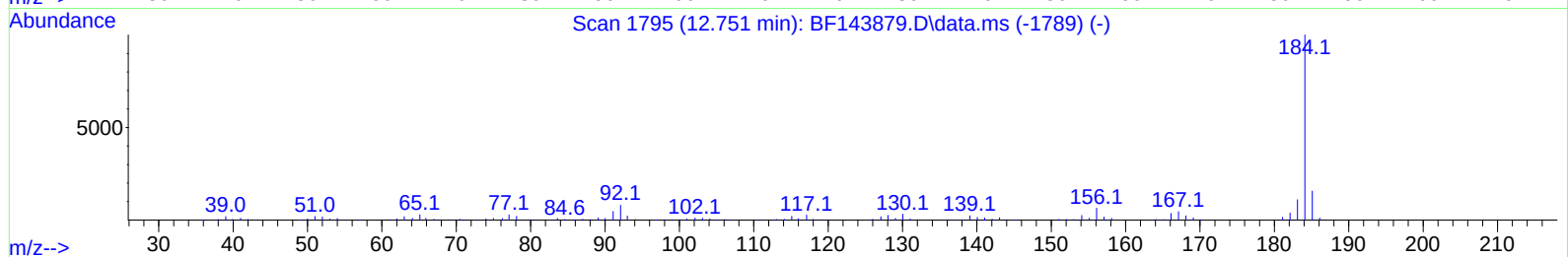
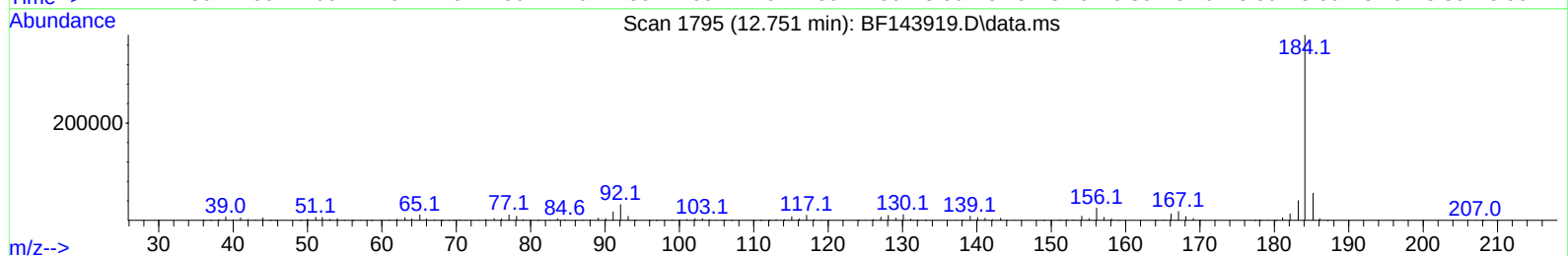
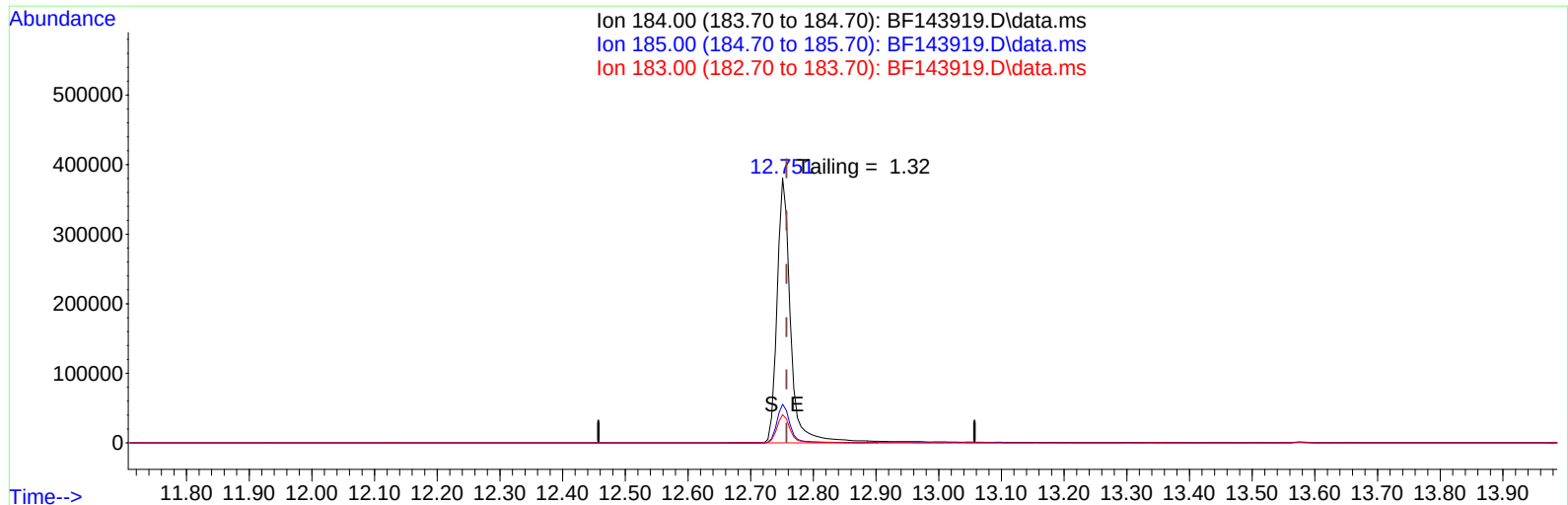
response 165677

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	61.81
264.00	64.70	64.01
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143919.D
Acq On : 10 Oct 2025 11:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 10 13:10:16 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: BF143919.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 579712

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.63
183.00	11.00	10.64
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/10/2025	BNA_F	<u>BF143919.D</u>
Compound Name	Response	Retention Time
DDT	326543	13.574
DDD	5283	13.274
DDE	738	12.939
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6021	332564	1.81

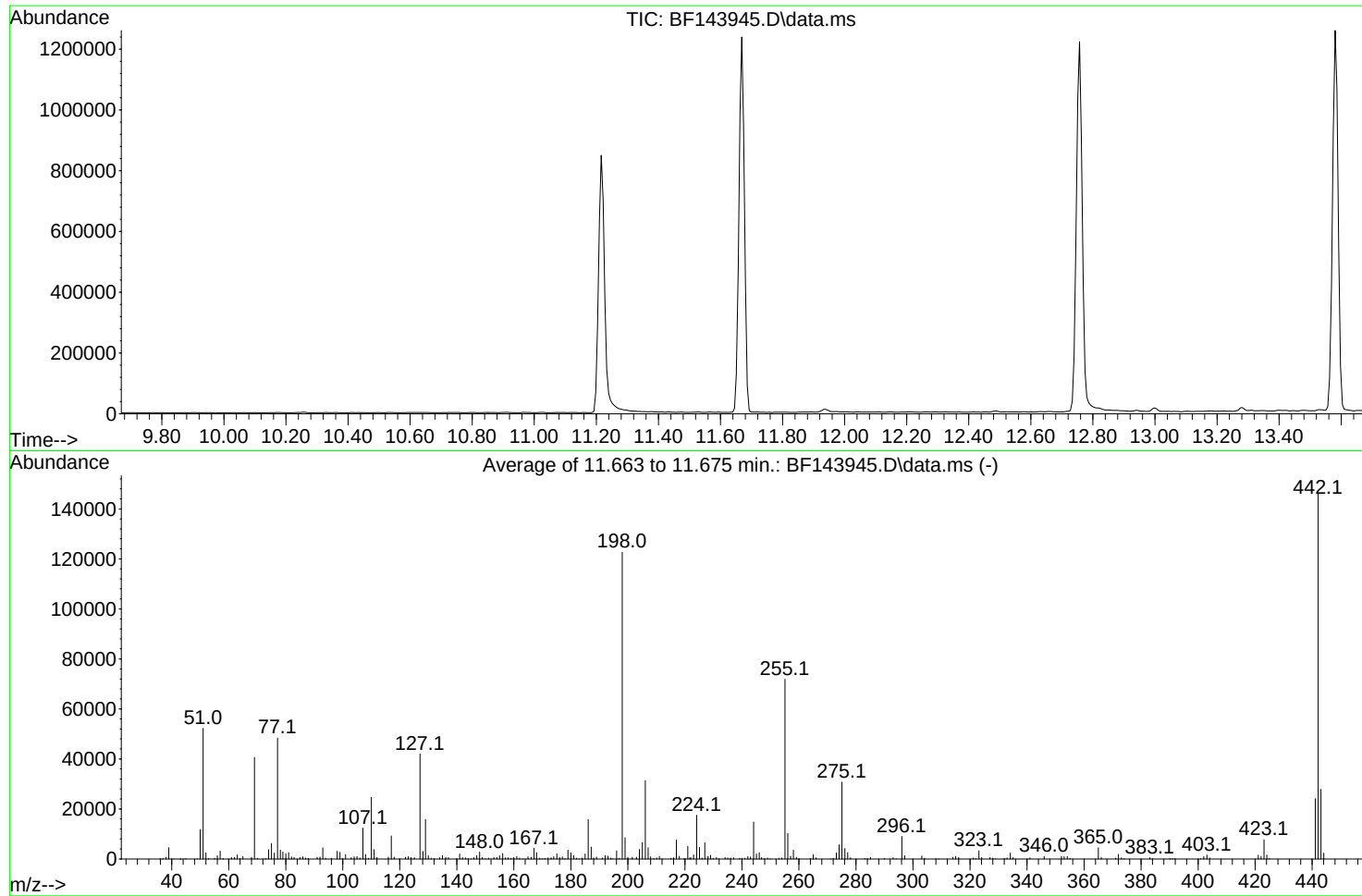
Instrument :
BNA_F
ClientSampleId :
DFTPP

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



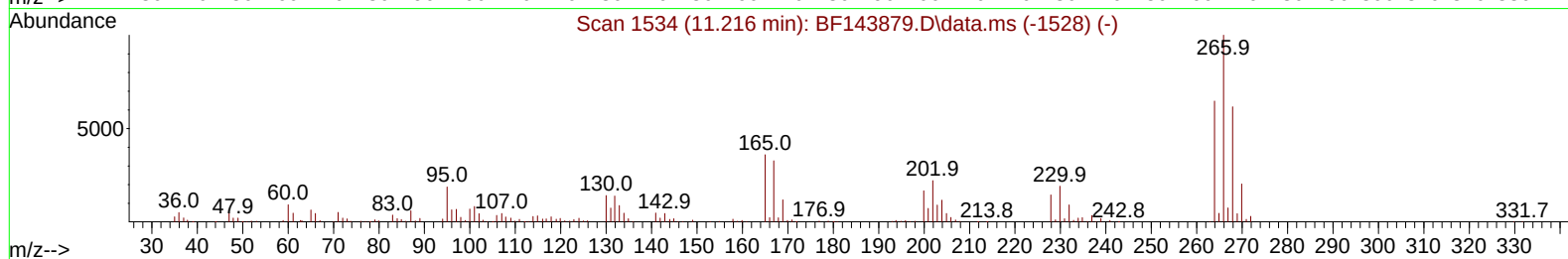
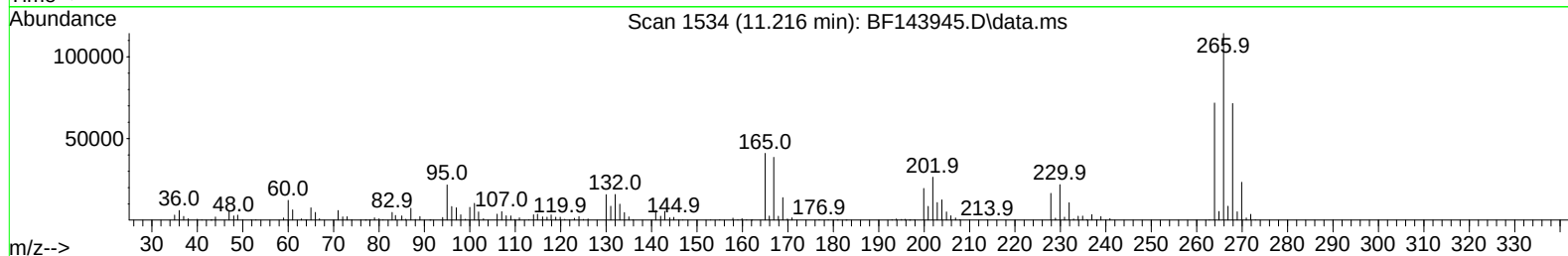
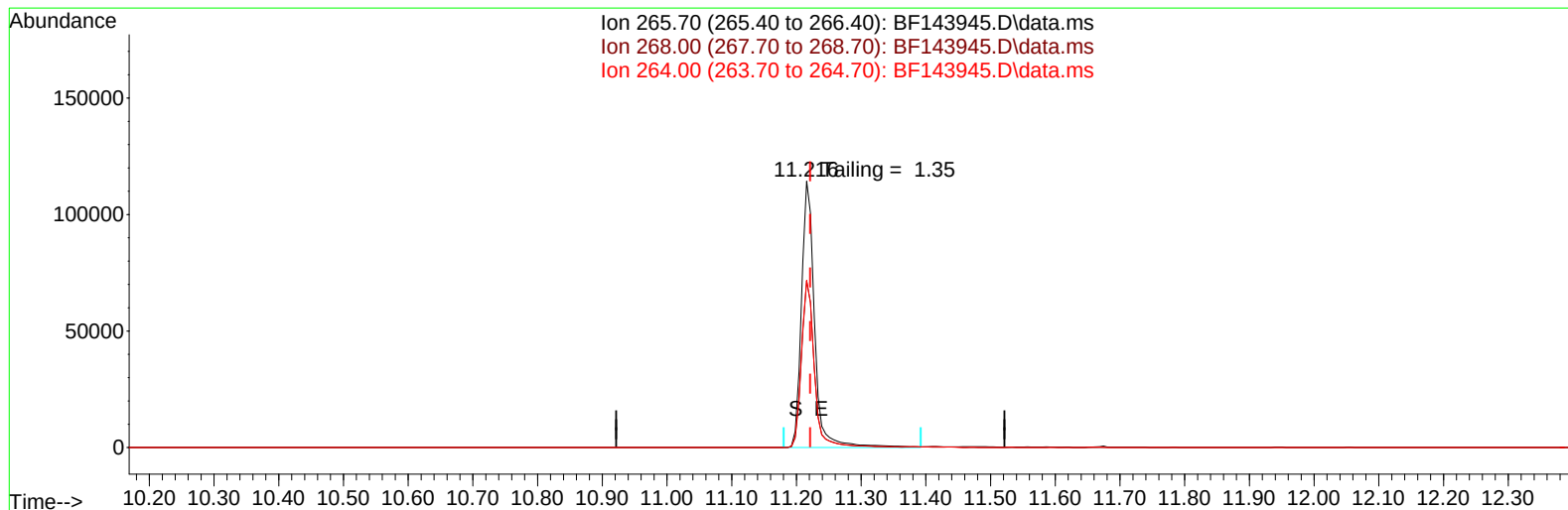
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1604

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

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

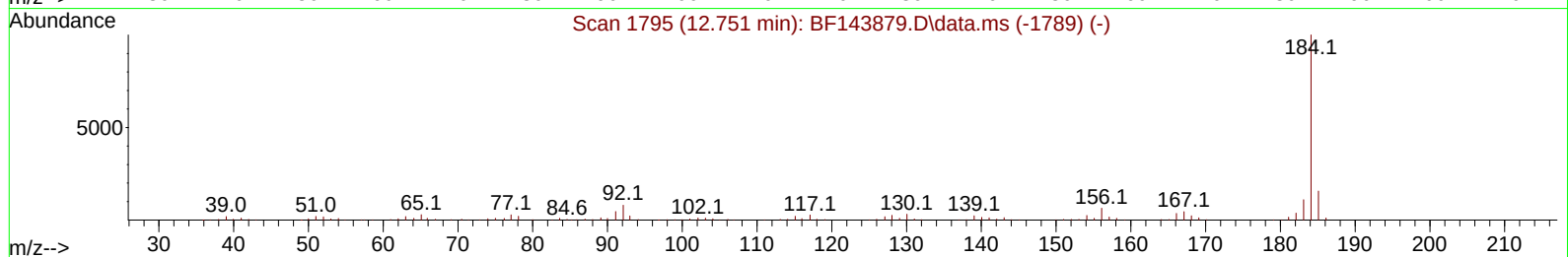
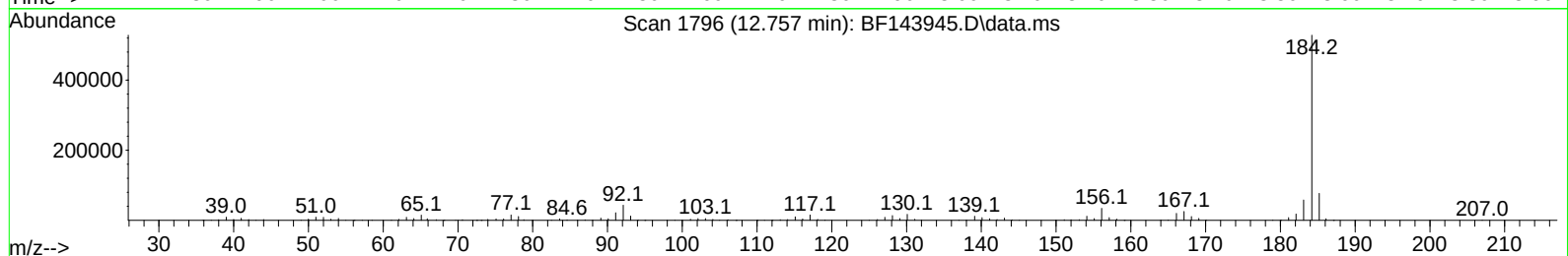
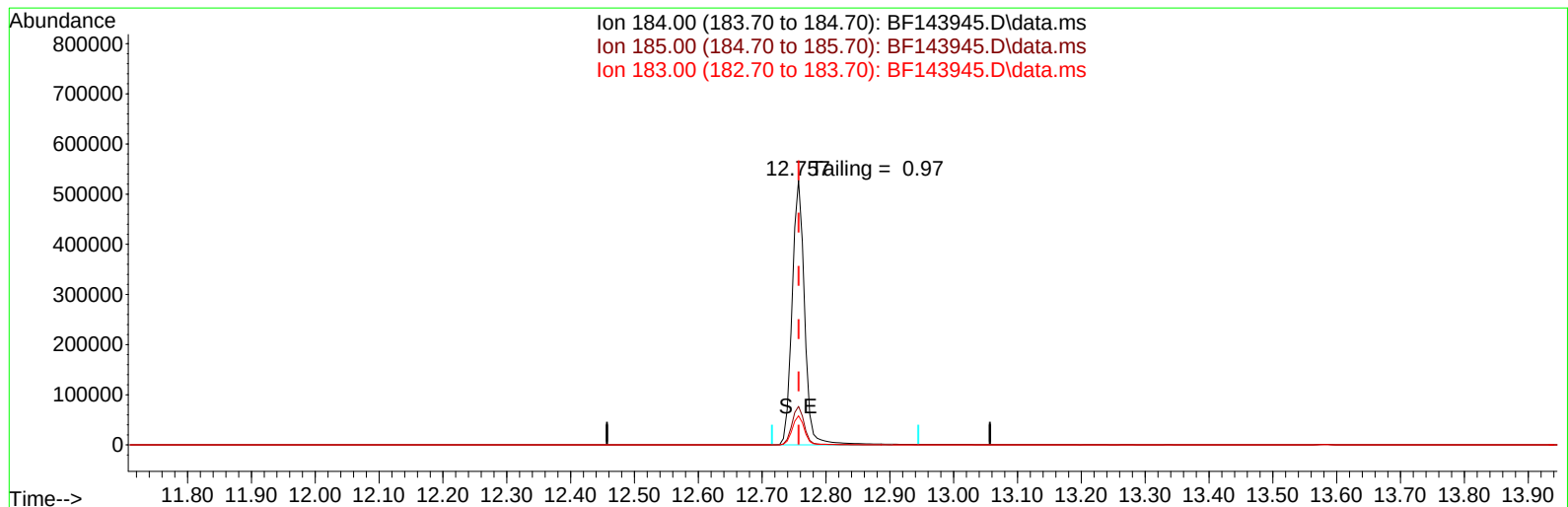
response 161595

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

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	<u>BF143945.D</u>
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

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: PB170055BL
 Lab Sample ID: PB170055BL
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected:
 Date Received:
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

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	10/10/25 13:24	PB170055
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	10/10/25 13:24	PB170055
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	10/10/25 13:24	PB170055
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	10/10/25 13:24	PB170055
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	10/10/25 13:24	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	10/10/25 13:24	PB170055
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	10/10/25 13:24	PB170055
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	79.9	ug/Kg	10/10/25 13:24	PB170055
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	10/10/25 13:24	PB170055
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	10/10/25 13:24	PB170055
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	10/10/25 13:24	PB170055
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	10/10/25 13:24	PB170055
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	10/10/25 13:24	PB170055
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	10/10/25 13:24	PB170055
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	10/10/25 13:24	PB170055
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	10/10/25 13:24	PB170055
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	10/10/25 13:24	PB170055
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	10/10/25 13:24	PB170055
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	10/10/25 13:24	PB170055
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	10/10/25 13:24	PB170055
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	10/10/25 13:24	PB170055
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	10/10/25 13:24	PB170055
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	10/10/25 13:24	PB170055
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	10/10/25 13:24	PB170055
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	10/10/25 13:24	PB170055
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	10/10/25 13:24	PB170055
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	10/10/25 13:24	PB170055
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	10/10/25 13:24	PB170055
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	10/10/25 13:24	PB170055
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	10/10/25 13:24	PB170055
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	10/10/25 13:24	PB170055
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	10/10/25 13:24	PB170055
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	10/10/25 13:24	PB170055
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	10/10/25 13:24	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	10/10/25 13:24	PB170055



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
Project: Con Edison Richmond Terrace
Client Sample ID: PB170055BL
Lab Sample ID: PB170055BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.02 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected:
Date Received:
SDG No.: Q3310
Matrix: SOIL
% Solid: 100
Test: SVOC-TCL BNA -20

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	10/10/25 13:24	PB170055
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	10/10/25 13:24	PB170055
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	10/10/25 13:24	PB170055
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	10/10/25 13:24	PB170055
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	10/10/25 13:24	PB170055
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	10/10/25 13:24	PB170055
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	10/10/25 13:24	PB170055
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	10/10/25 13:24	PB170055
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	10/10/25 13:24	PB170055
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	10/10/25 13:24	PB170055
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	10/10/25 13:24	PB170055
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	10/10/25 13:24	PB170055
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	10/10/25 13:24	PB170055
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	10/10/25 13:24	PB170055
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	10/10/25 13:24	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	10/10/25 13:24	PB170055
117-84-0	Di-n-octyl phthalate	86.7	U	1	86.7	330	ug/Kg	10/10/25 13:24	PB170055
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	10/10/25 13:24	PB170055
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	10/10/25 13:24	PB170055
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	10/10/25 13:24	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	10/10/25 13:24	PB170055
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	10/10/25 13:24	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	10/10/25 13:24	PB170055
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	10/10/25 13:24	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	10/10/25 13:24	PB170055

SURROGATES

367-12-4	2-Fluorophenol	130		18 - 112	87%	SPK: 150
13127-88-3	Phenol-d6	127		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.6		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.2		20 - 109	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	152		10 - 116	101%	SPK: 150
1718-51-0	Terphenyl-d14	88.1		10 - 105	88%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	136000
1146-65-2	Naphthalene-d8	546000
15067-26-2	Acenaphthene-d10	299000
1517-22-2	Phenanthrene-d10	543000
1719-03-5	Chrysene-d12	388000
1520-96-3	Perylene-d12	313000



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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:	PB170055BL	SDG No.:	Q3310
Lab Sample ID:	PB170055BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Time: Oct 10 14:52:27 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	136492	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	545950	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	298735	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	543488	20.000	ng	0.00
76) Chrysene-d12	14.057	240	387902	20.000	ng	-0.01
86) Perylene-d12	15.539	264	313224	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1120553	130.368	ng	0.00
7) Phenol-d6	6.504	99	1297093	126.605	ng	-0.01
23) Nitrobenzene-d5	7.439	82	850033	94.594	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	452061	151.930	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1584841	84.179	ng	-0.01
79) Terphenyl-d14	13.004	244	2000515	88.142	ng	0.00

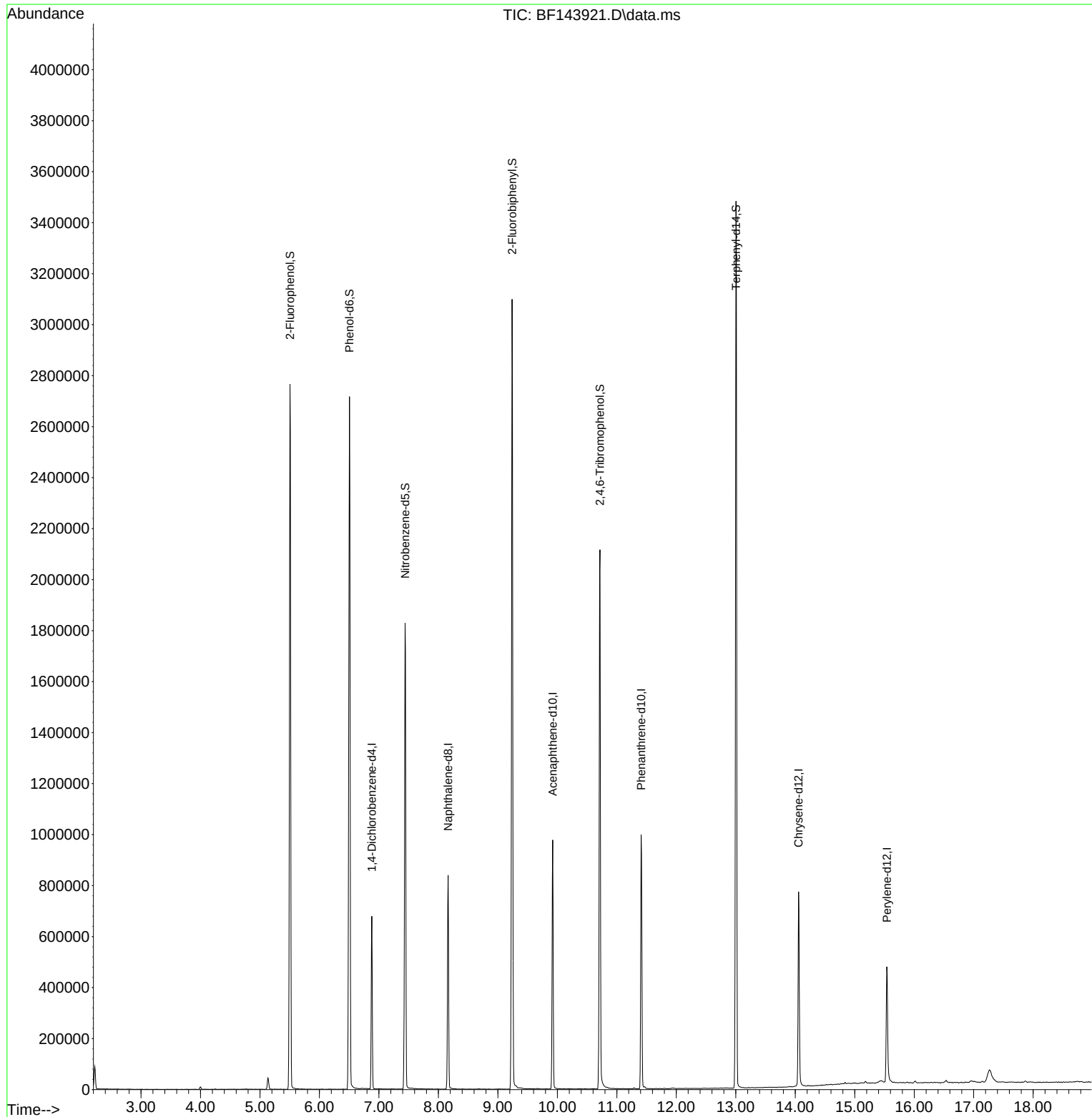
Target Compounds	Qvalue
------------------	--------

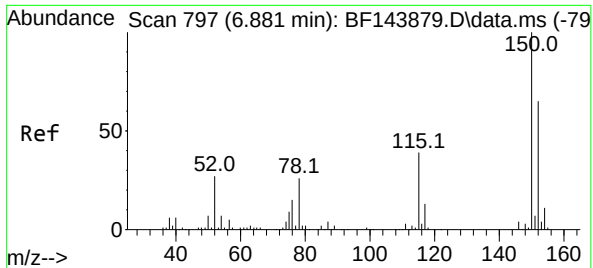
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

Quant Time: Oct 10 14:52:27 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

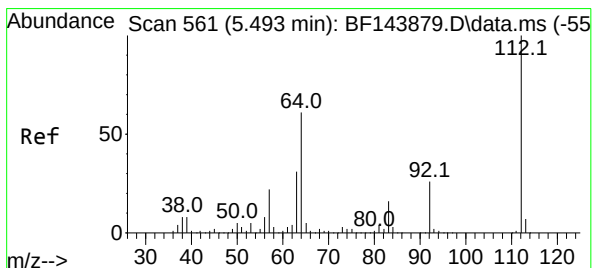
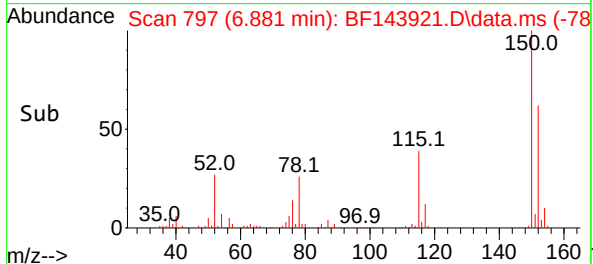
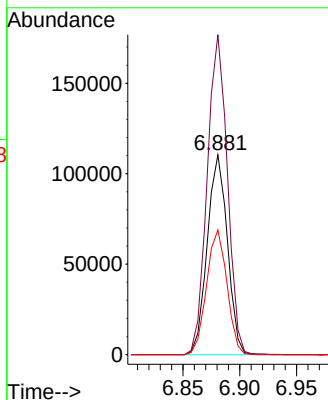
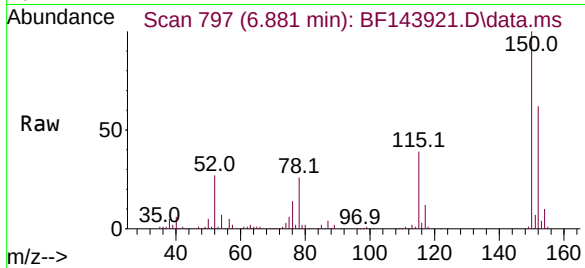




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

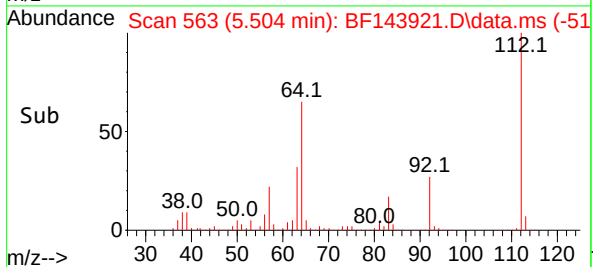
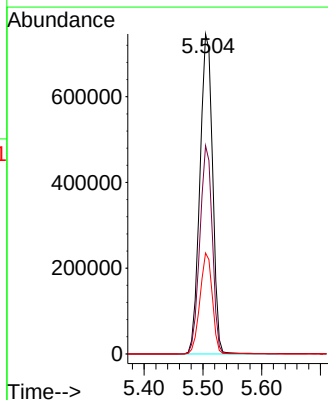
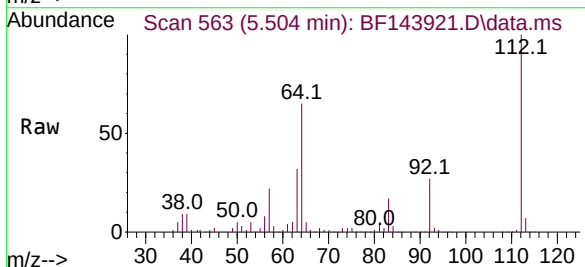
Instrument :
BNA_F
ClientSampleId :
PB170055BL

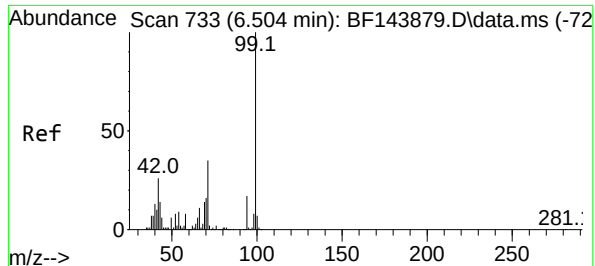
Tgt Ion:152 Resp: 136492
Ion Ratio Lower Upper
152 100
150 160.2 124.4 186.6
115 62.4 48.1 72.1



#5
2-Fluorophenol
Concen: 130.368 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:112 Resp: 1120553
Ion Ratio Lower Upper
112 100
64 65.1 49.1 73.7
63 31.5 24.5 36.7

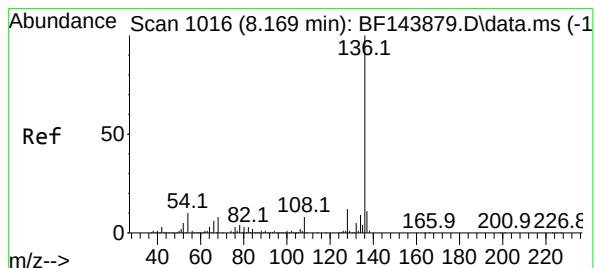
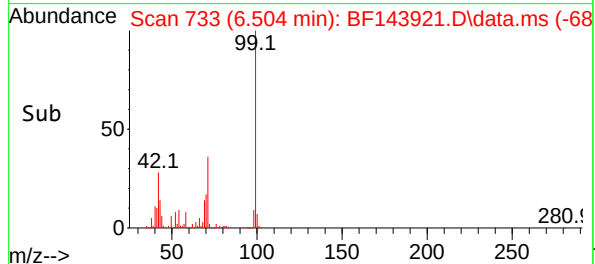
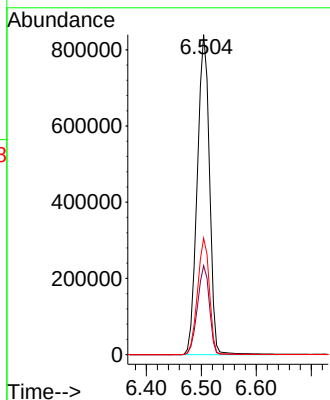
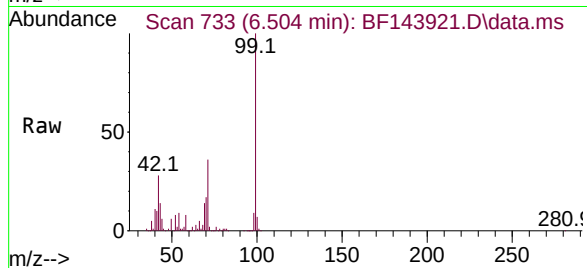




#7
Phenol-d6
Concen: 126.605 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

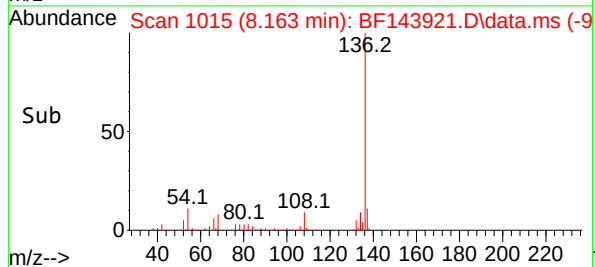
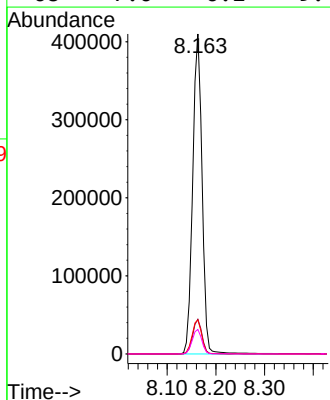
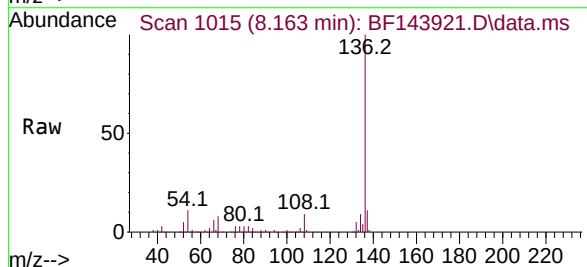
Instrument :
BNA_F
ClientSampleId :
PB170055BL

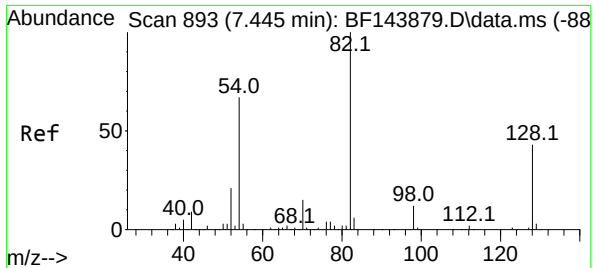
Tgt Ion: 99 Resp: 1297093
Ion Ratio Lower Upper
99 100
42 27.8 21.0 31.4
71 36.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion: 136 Resp: 545950
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.6 8.2 12.4
68 7.6 6.2 9.4





#23

Nitrobenzene-d5

Concen: 94.594 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

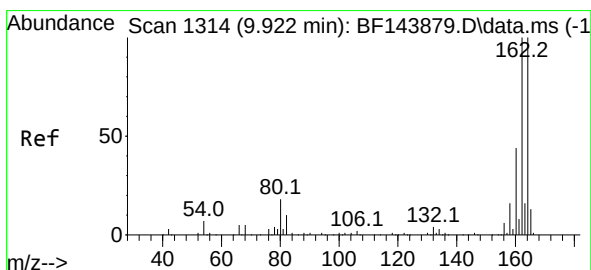
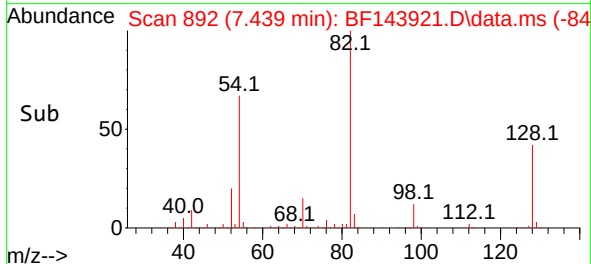
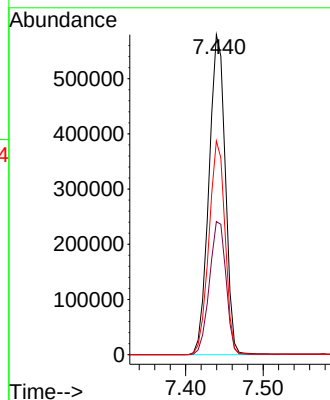
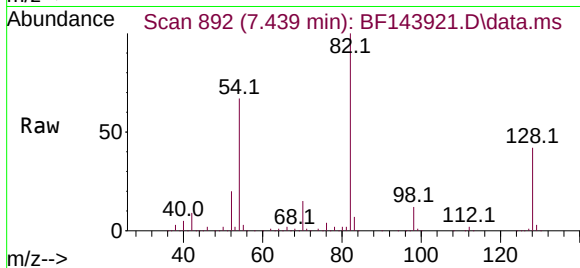
BNA_F

ClientSampleId :

PB170055BL

Tgt Ion: 82 Resp: 850033

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	66.8	53.2	79.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

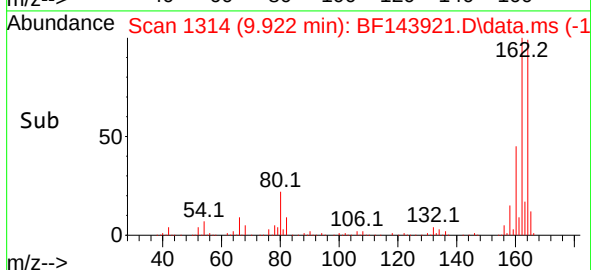
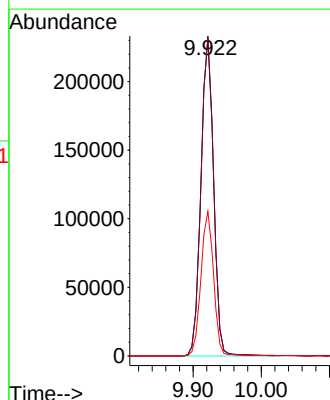
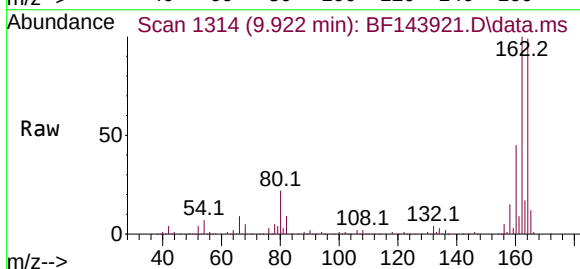
Delta R.T. -0.005 min

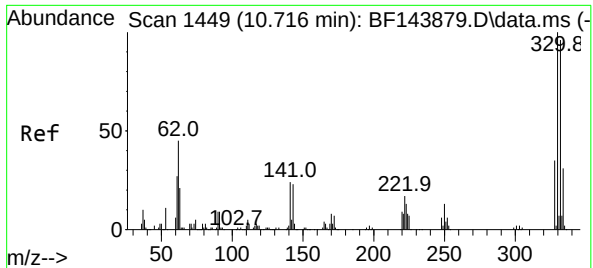
Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Tgt Ion:164 Resp: 298735

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	45.5	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 151.930 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

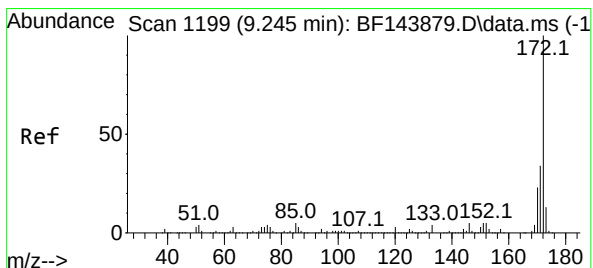
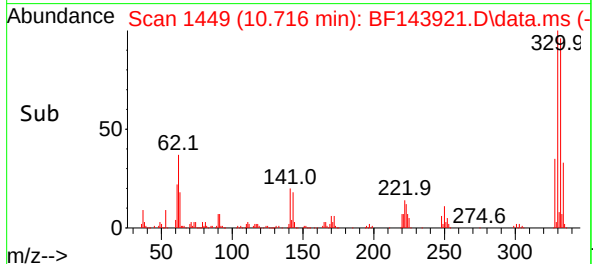
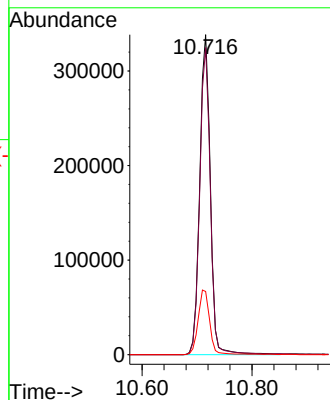
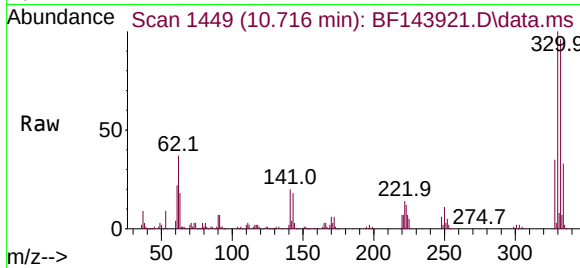
Tgt Ion:330 Resp: 452061

Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

141 22.2 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 84.179 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

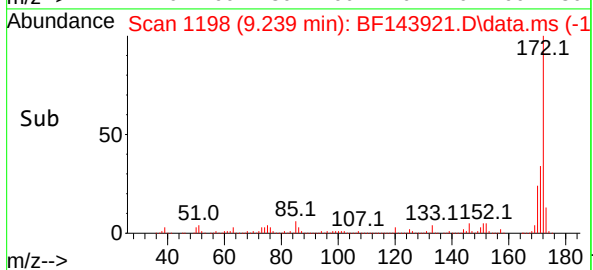
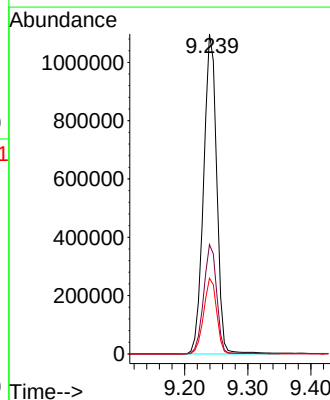
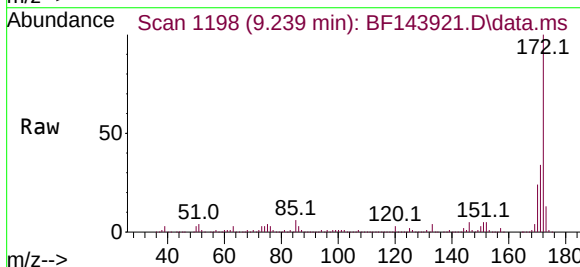
Tgt Ion:172 Resp: 1584841

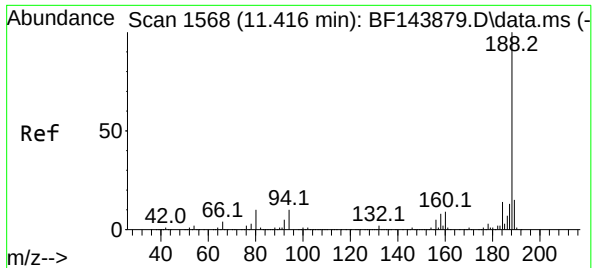
Ion Ratio Lower Upper

172 100

171 34.2 27.4 41.0

170 23.6 18.6 28.0

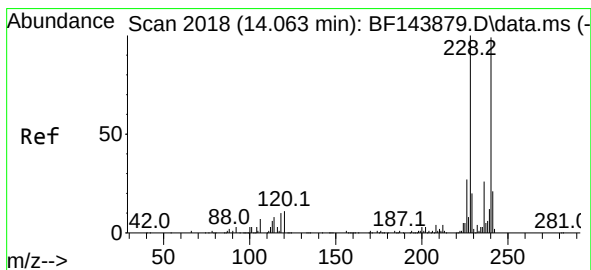
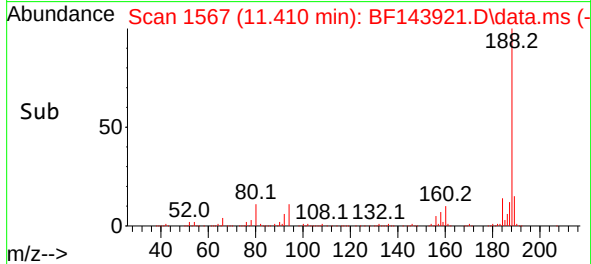
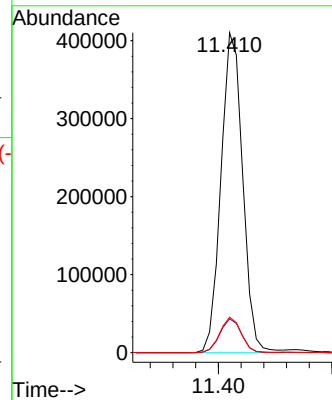
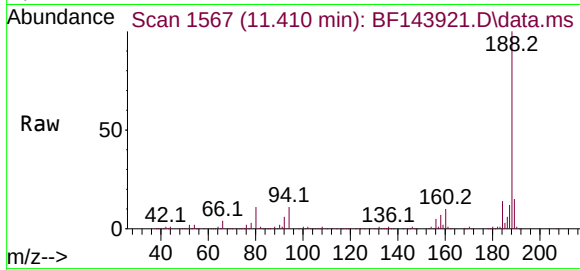




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

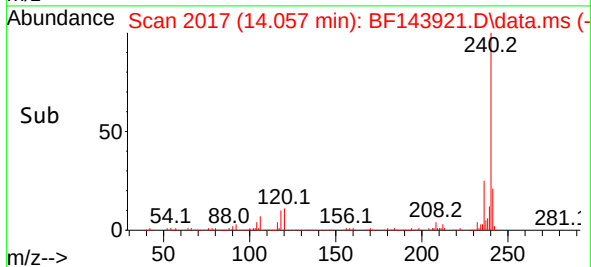
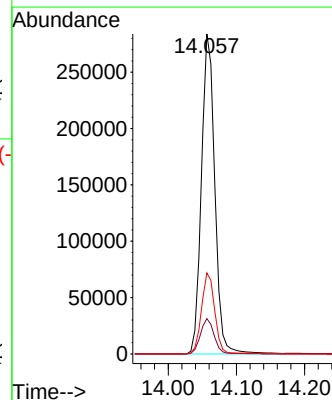
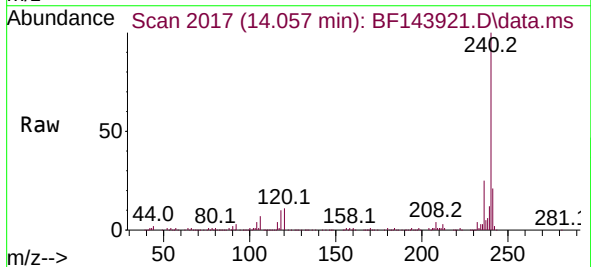
Instrument :
BNA_F
ClientSampleId :
PB170055BL

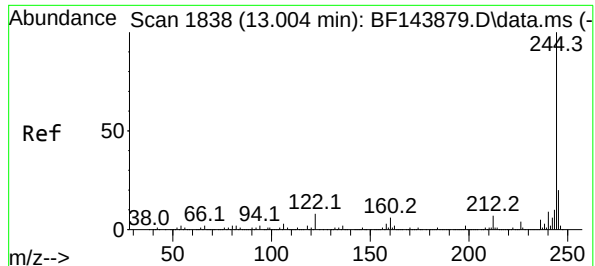
Tgt Ion:188 Resp: 543488
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.1 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143921.D
Acq: 10 Oct 2025 13:24

Tgt Ion:240 Resp: 387902
Ion Ratio Lower Upper
240 100
120 11.0 8.6 13.0
236 25.3 21.1 31.7





#79

Terphenyl-d14

Concen: 88.142 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

Instrument :

BNA_F

ClientSampleId :

PB170055BL

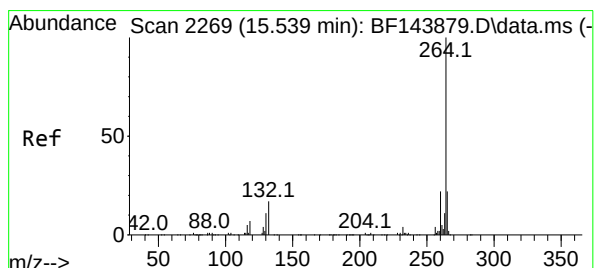
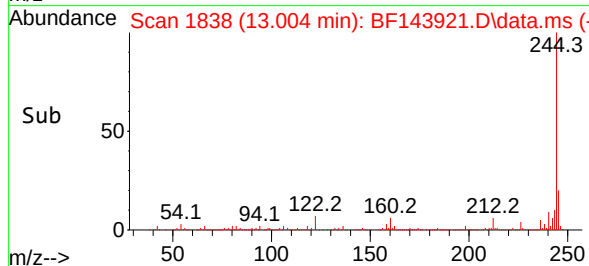
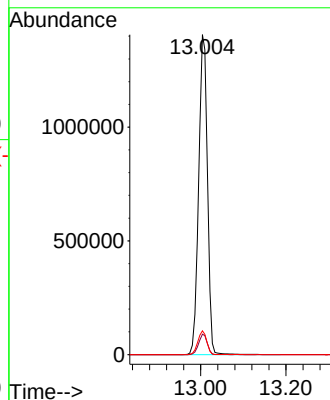
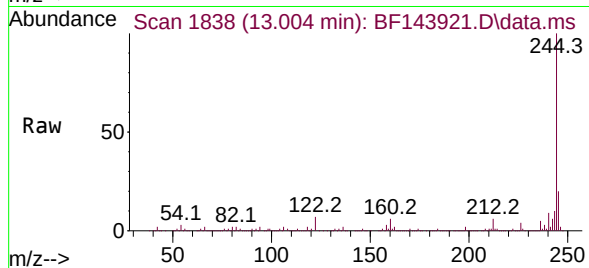
Tgt Ion:244 Resp: 2000515

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 7.4 6.4 9.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. -0.006 min

Lab File: BF143921.D

Acq: 10 Oct 2025 13:24

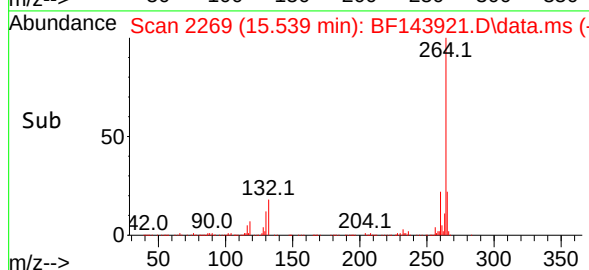
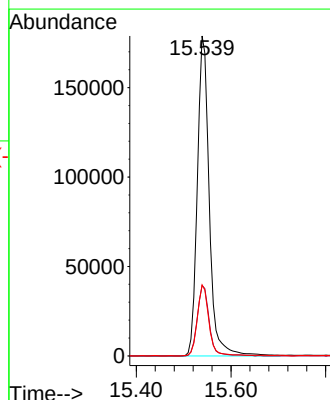
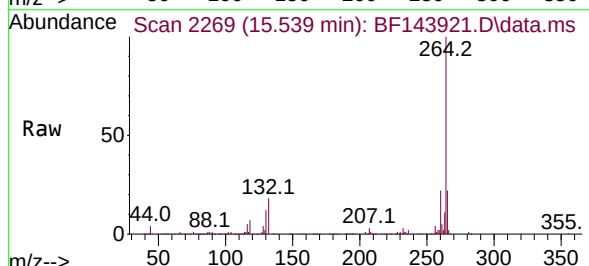
Tgt Ion:264 Resp: 313224

Ion Ratio Lower Upper

264 100

260 22.0 17.8 26.8

265 22.2 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

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: BF143921.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	3	5	12	rVB	87142	110796	2.26%	0.369%
2	5.134	490	500	508	rBV	44606	78328	1.60%	0.261%
3	5.504	557	563	569	rBV	2764732	4049069	82.60%	13.501%
4	6.504	726	733	739	rBV	2716642	4115650	83.95%	13.723%
5	6.881	792	797	802	rBV	676207	836709	17.07%	2.790%
6	7.440	885	892	898	rBV	1827180	2661511	54.29%	8.874%
7	8.163	1009	1015	1022	rBV	838686	1107641	22.59%	3.693%
8	9.239	1191	1198	1216	rBV	3098045	4427277	90.31%	14.762%
9	9.922	1308	1314	1329	rBV	976175	1258495	25.67%	4.196%
10	10.716	1442	1449	1468	rBV	2114907	3018629	61.58%	10.065%
11	11.410	1562	1567	1574	rBV	996496	1315504	26.83%	4.386%
12	13.004	1829	1838	1844	rBV	3478908	4902311	100.00%	16.346%
13	14.057	2009	2017	2031	rBV	762209	1069108	21.81%	3.565%
14	15.539	2263	2269	2287	rVB	453707	788985	16.09%	2.631%
15	17.262	2553	2562	2585	rVB5	48045	251416	5.13%	0.838%

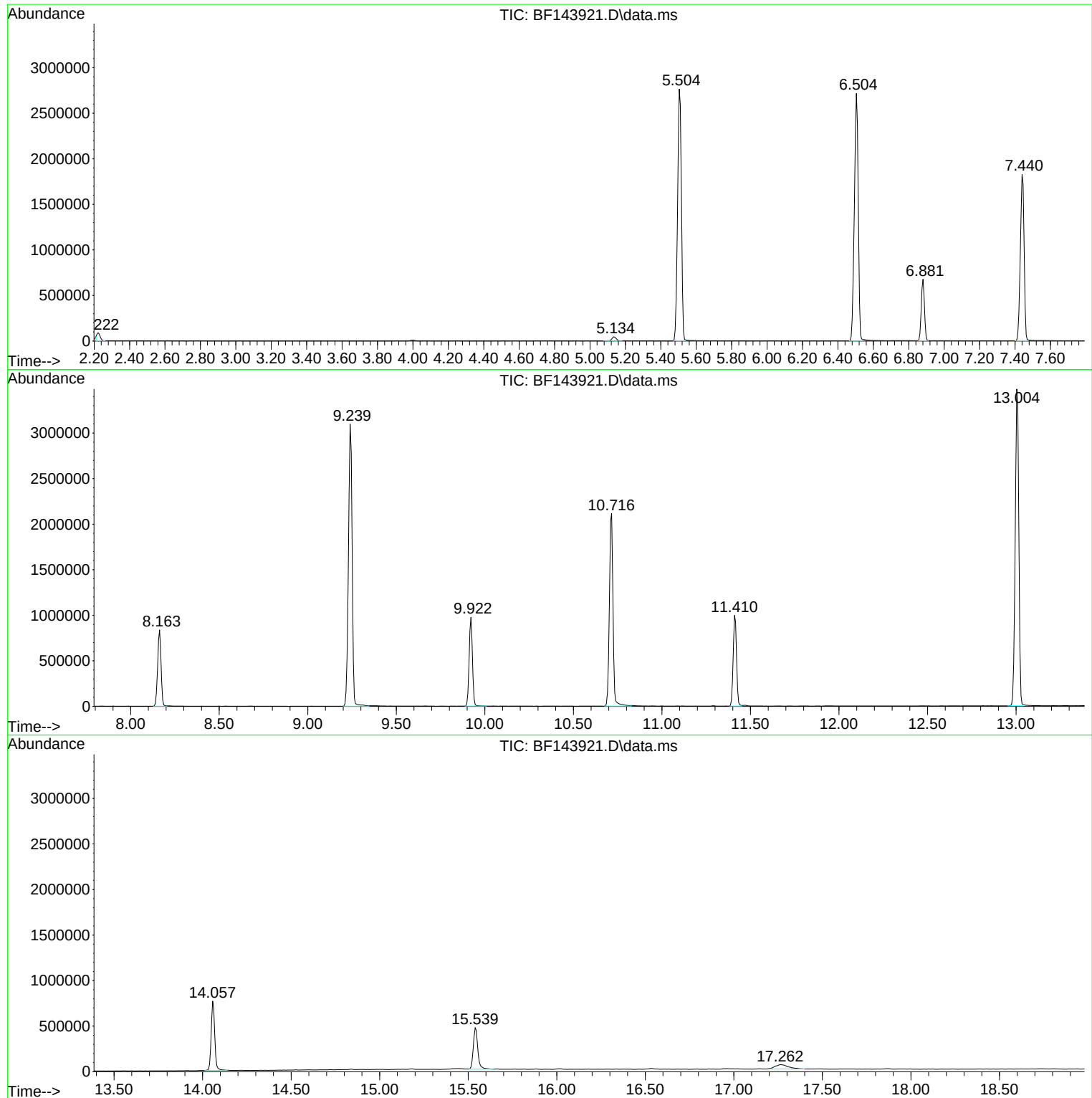
Sum of corrected areas: 29991429

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

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

TIC Library :
TIC Integration Parameters: rteint.p



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

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

TIC Library :
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143921.D
Acq On : 10 Oct 2025 13:24
Operator : RC/JU
Sample : PB170055BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170055BL

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

TIC Library :
TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: PB170055BS
 Lab Sample ID: PB170055BS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected:
 Date Received:
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	950		1	160	330	ug/Kg	10/14/25 16:13	PB170055
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/14/25 16:13	PB170055
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/14/25 16:13	PB170055
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/14/25 16:13	PB170055
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/14/25 16:13	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/14/25 16:13	PB170055
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/14/25 16:13	PB170055
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	80.0	ug/Kg	10/14/25 16:13	PB170055
67-72-1	Hexachloroethane	1400		1	17.6	170	ug/Kg	10/14/25 16:13	PB170055
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/14/25 16:13	PB170055
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/14/25 16:13	PB170055
88-75-5	2-Nitrophenol	1700		1	58.2	170	ug/Kg	10/14/25 16:13	PB170055
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	10/14/25 16:13	PB170055
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/14/25 16:13	PB170055
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
106-47-8	4-Chloroaniline	710		1	35.4	170	ug/Kg	10/14/25 16:13	PB170055
87-68-3	Hexachlorobutadiene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
105-60-2	Caprolactam	1600		1	52.1	330	ug/Kg	10/14/25 16:13	PB170055
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	10/14/25 16:13	PB170055
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
77-47-4	Hexachlorocyclopentadiene	3600	E	1	120	330	ug/Kg	10/14/25 16:13	PB170055
88-06-2	2,4,6-Trichlorophenol	1400		1	19.8	170	ug/Kg	10/14/25 16:13	PB170055
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	10/14/25 16:13	PB170055
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/14/25 16:13	PB170055
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/14/25 16:13	PB170055
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/14/25 16:13	PB170055
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	10/14/25 16:13	PB170055
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/14/25 16:13	PB170055
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/14/25 16:13	PB170055
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/14/25 16:13	PB170055
51-28-5	2,4-Dinitrophenol	2900	E	1	230	330	ug/Kg	10/14/25 16:13	PB170055
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	10/14/25 16:13	PB170055
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/14/25 16:13	PB170055
121-14-2	2,4-Dinitrotoluene	1700		1	50.1	170	ug/Kg	10/14/25 16:13	PB170055
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/14/25 16:13	PB170055
7005-72-3	4-Chlorophenyl-phenylether	1400		1	26.7	170	ug/Kg	10/14/25 16:13	PB170055
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
100-01-6	4-Nitroaniline	1500		1	64.2	170	ug/Kg	10/14/25 16:13	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/14/25 16:13	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
 Project: Con Edison Richmond Terrace
 Client Sample ID: PB170055BS
 Lab Sample ID: PB170055BS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
 Prep Method : SW3541 Prep Date: 10/10/25

Date Collected:
 Date Received:
 SDG No.: Q3310
 Matrix: SOIL
 % Solid: 100
 Test: SVOC-TCL BNA -20

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 16:13	PB170055
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	10/14/25 16:13	PB170055
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/14/25 16:13	PB170055
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/14/25 16:13	PB170055
87-86-5	Pentachlorophenol	2700	E	1	51.3	330	ug/Kg	10/14/25 16:13	PB170055
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/14/25 16:13	PB170055
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/14/25 16:13	PB170055
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/14/25 16:13	PB170055
84-74-2	Di-n-butylphthalate	1600		1	47.9	170	ug/Kg	10/14/25 16:13	PB170055
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/14/25 16:13	PB170055
129-00-0	Pyrene	1500		1	36.0	170	ug/Kg	10/14/25 16:13	PB170055
85-68-7	Butylbenzylphthalate	1700		1	71.4	170	ug/Kg	10/14/25 16:13	PB170055
91-94-1	3,3-Dichlorobenzidine	850		1	36.7	330	ug/Kg	10/14/25 16:13	PB170055
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/14/25 16:13	PB170055
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	10/14/25 16:13	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	59.2	170	ug/Kg	10/14/25 16:13	PB170055
117-84-0	Di-n-octyl phthalate	1500		1	86.8	330	ug/Kg	10/14/25 16:13	PB170055
205-99-2	Benzo(b)fluoranthene	1600		1	19.0	170	ug/Kg	10/14/25 16:13	PB170055
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/14/25 16:13	PB170055
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/14/25 16:13	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	1700		1	29.1	170	ug/Kg	10/14/25 16:13	PB170055
53-70-3	Dibenzo(a,h)anthracene	1700		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055
191-24-2	Benzo(g,h,i)perylene	1700		1	25.7	170	ug/Kg	10/14/25 16:13	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		1	25.6	170	ug/Kg	10/14/25 16:13	PB170055
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/14/25 16:13	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	10/14/25 16:13	PB170055

SURROGATES

367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	116		15 - 107	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.6		18 - 107	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.2		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	93.4		10 - 105	93%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	119000
1146-65-2	Naphthalene-d8	465000
15067-26-2	Acenaphthene-d10	257000
1517-22-2	Phenanthrene-d10	434000
1719-03-5	Chrysene-d12	247000
1520-96-3	Perylene-d12	230000



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:	PB170055BS	SDG No.:	Q3310
Lab Sample ID:	PB170055BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.01 g	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541		
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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 : BF143949.D
 Acq On : 14 Oct 2025 16:13
 Operator : RC/JU
 Sample : PB170055BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

10/14/2025

Supervised By :mohammad
ahmed

Quant Time: Oct 14 16:36:23 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	118783	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	465023	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	256823	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	433771	20.000	ng	0.00
76) Chrysene-d12	14.063	240	247361	20.000	ng	0.00
86) Perylene-d12	15.545	264	229733	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	872770	116.679	ng	0.00
7) Phenol-d6	6.510	99	1035190	116.105	ng	0.00
23) Nitrobenzene-d5	7.445	82	662572	86.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	324960	127.036	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1249663	77.208	ng	0.00
79) Terphenyl-d14	13.004	244	1351901	93.406	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	136708	39.495	ng	99
3) Pyridine	3.499	79	402572	39.951	ng	98
4) n-Nitrosodimethylamine	3.446	42	240321	45.336	ng	94
6) Aniline	6.545	93	470002	35.179	ng	98
8) 2-Chlorophenol	6.663	128	326002	44.586	ng	99
9) Benzaldehyde	6.434	77	195562	28.434	ng	99
10) Phenol	6.522	94	465315m	43.654	ng	
11) bis(2-Chloroethyl)ether	6.616	93	370017	44.938	ng	99
12) 1,3-Dichlorobenzene	6.822	146	377727	43.157	ng	100
13) 1,4-Dichlorobenzene	6.898	146	380675	44.093	ng	99
14) 1,2-Dichlorobenzene	7.051	146	363836	43.998	ng	100
15) Benzyl Alcohol	7.022	79	312374	46.760	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	857401	45.746	ng	99
17) 2-Methylphenol	7.134	107	274129	45.365	ng	99
18) Hexachloroethane	7.392	117	124439	43.220	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	260148	42.626	ng	99
20) 3+4-Methylphenols	7.287	107	307492	43.906	ng	# 73
22) Acetophenone	7.292	105	456756	46.453	ng	98
24) Nitrobenzene	7.463	77	387411	45.578	ng	99
25) Isophorone	7.704	82	723901	44.854	ng	100
26) 2-Nitrophenol	7.781	139	185383	50.871	ng	98
27) 2,4-Dimethylphenol	7.816	122	318432	48.575	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	457201	44.846	ng	98
29) 2,4-Dichlorophenol	8.022	162	300557	44.016	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	300386	44.730	ng	99
31) Naphthalene	8.187	128	905947	42.827	ng	99
32) Benzoic acid	7.939	122	232590	51.267	ng	98
33) 4-Chloroaniline	8.234	127	168571	21.248	ng	98
34) Hexachlorobutadiene	8.304	225	192496	41.250	ng	97
35) Caprolactam	8.604	113	102329m	47.132	ng	
36) 4-Chloro-3-methylphenol	8.716	107	292710	44.626	ng	98
37) 2-Methylnaphthalene	8.881	142	550824	39.091	ng	98
38) 1-Methylnaphthalene	8.981	142	571719	41.830	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	323807	45.618	ng	99
41) Hexachlorocyclopentadiene	9.034	237	319945	108.649	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	225309	43.442	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
 Data File : BF143949.D
 Acq On : 14 Oct 2025 16:13
 Operator : RC/JU
 Sample : PB170055BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

10/14/2025

Supervised By :mohammad
ahmed

Quant Time: Oct 14 16:36:23 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	241324	44.031	ng	99
46) 1,1'-Biphenyl	9.345	154	787600	46.319	ng	98
47) 2-Chloronaphthalene	9.369	162	609645	43.002	ng	97
48) 2-Nitroaniline	9.463	65	220218	49.132	ng	99
49) Acenaphthylene	9.786	152	967163	48.525	ng	99
50) Dimethylphthalate	9.645	163	726615	44.552	ng	99
51) 2,6-Dinitrotoluene	9.710	165	158175	52.302	ng	94
52) Acenaphthene	9.957	154	585998	44.870	ng	100
53) 3-Nitroaniline	9.875	138	119416	32.248	ng	99
54) 2,4-Dinitrophenol	9.986	184	162038	86.267	ng	# 90
55) Dibenzofuran	10.133	168	792450	42.984	ng	99
56) 4-Nitrophenol	10.039	139	240051	85.616	ng	96
57) 2,4-Dinitrotoluene	10.110	165	214262	52.070	ng	98
58) Fluorene	10.475	166	602736	43.328	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	183031m	47.176	ng	
60) Diethylphthalate	10.345	149	661161	43.636	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	312560	42.498	ng	97
62) 4-Nitroaniline	10.492	138	161624	45.388	ng	97
63) Azobenzene	10.628	77	731390	46.187	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	116621	53.501	ng	98
66) n-Nitrosodiphenylamine	10.586	169	609980	44.786	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	204021	42.559	ng	97
68) Hexachlorobenzene	11.022	284	242638	43.720	ng	99
69) Atrazine	11.110	200	196973	47.715	ng	100
70) Pentachlorophenol	11.222	266	259520	81.419	ng	98
71) Phenanthrene	11.439	178	917260	43.618	ng	99
72) Anthracene	11.492	178	941105	44.298	ng	100
73) Carbazole	11.645	167	835457	44.402	ng	99
74) Di-n-butylphthalate	11.975	149	1021669	46.851	ng	99
75) Fluoranthene	12.633	202	964435	44.399	ng	99
77) Benzidine	12.751	184	344111	40.064	ng	98
78) Pyrene	12.863	202	957514	46.431	ng	99
80) Butylbenzylphthalate	13.480	149	350848	52.386	ng	99
81) Benzo(a)anthracene	14.051	228	747867	46.200	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	126081	25.558	ng	99
83) Chrysene	14.092	228	650468	43.417	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	417913	51.764	ng	99
85) Di-n-octyl phthalate	14.657	149	614508	46.343	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	714723	50.773	ng	97
88) Benzo(b)fluoranthene	15.110	252	614839	46.591	ng	99
89) Benzo(k)fluoranthene	15.139	252	536880	43.967	ng	100
90) Benzo(a)pyrene	15.486	252	557596	48.729	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	578363	51.086	ng	97
92) Benzo(g,h,i)perylene	17.504	276	587725	51.912	ng	97

10/17/2025

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\  
Data File : BF143949.D  
Acq On    : 14 Oct 2025  16:13  
Operator  : RC/JU  
Sample    : PB170055BS  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB170055BS

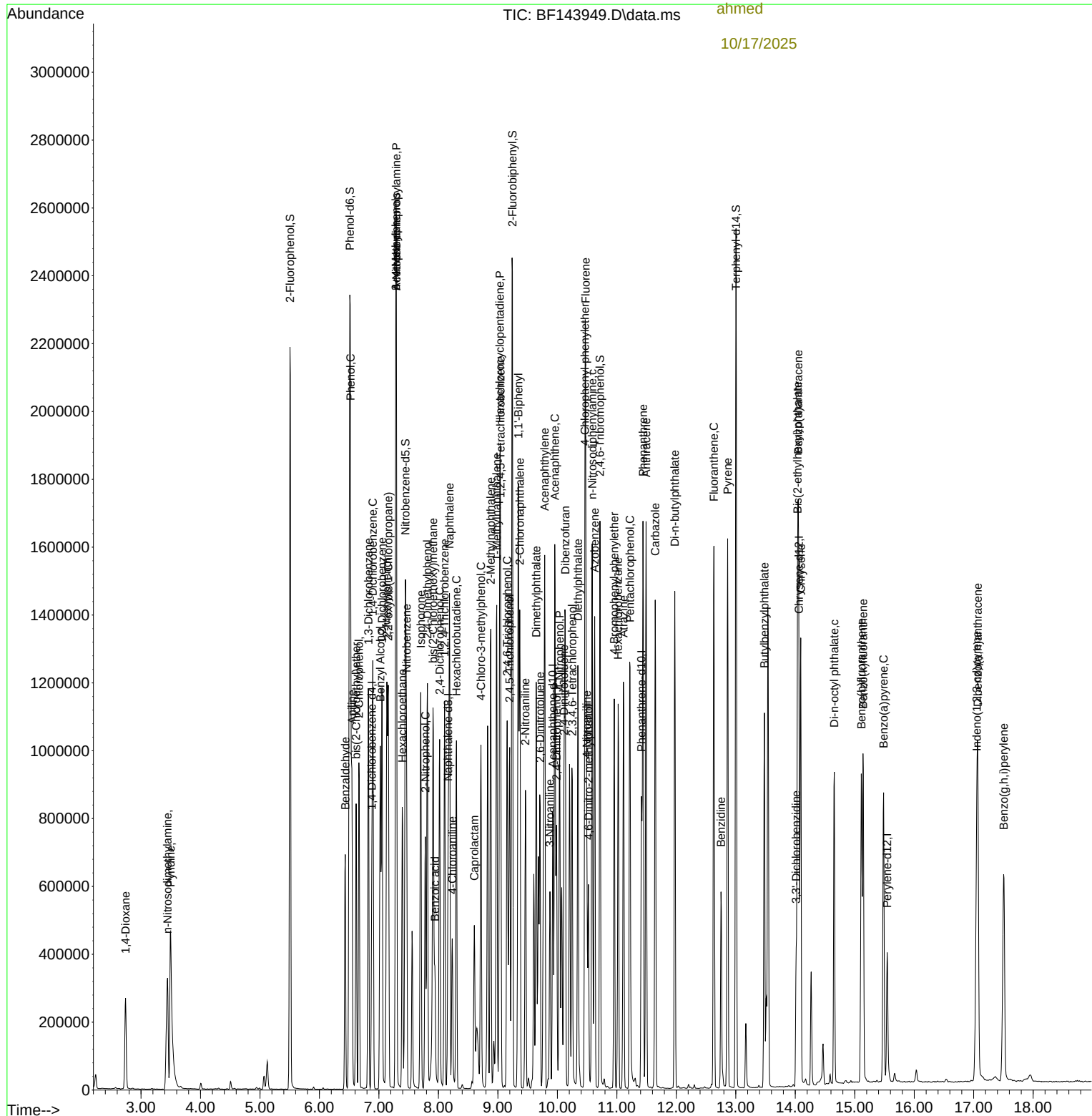
Manual Integrations

Reviewed By :Jagrut Upadhyay

10/14/2025
Supervised By :mohammad
ahmed

10/17/2025

Quant Time: Oct 14 16:36:23 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



Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected: 10/07/25
Project: Con Edison Richmond Terrace	Date Received: 10/08/25
Client Sample ID: SS-01-0-1MS	SDG No.: Q3310
Lab Sample ID: Q3310-01MS	Matrix: SOIL
Analytical Method: 8270E	% Solid: 65.3
Sample Wt/Vol: 30.06 g	Test: SVOC-TCL BNA -20
Prep Method : SW3541	
Level : LOW	
Final Vol: 1000 uL	
Prep Date: 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1600		1	240	500	ug/Kg	10/10/25 16:49	PB170055
108-95-2	Phenol	2500		1	33.8	260	ug/Kg	10/10/25 16:49	PB170055
111-44-4	bis(2-Chloroethyl)ether	2400		1	37.1	260	ug/Kg	10/10/25 16:49	PB170055
95-57-8	2-Chlorophenol	2400		1	37.3	260	ug/Kg	10/10/25 16:49	PB170055
95-48-7	2-Methylphenol	2400		1	45.7	260	ug/Kg	10/10/25 16:49	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.3	260	ug/Kg	10/10/25 16:49	PB170055
98-86-2	Acetophenone	2600		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
65794-96-9	3+4-Methylphenols	2300		1	62.8	500	ug/Kg	10/10/25 16:49	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2300		1	72.4	120	ug/Kg	10/10/25 16:49	PB170055
67-72-1	Hexachloroethane	2300		1	26.9	260	ug/Kg	10/10/25 16:49	PB170055
98-95-3	Nitrobenzene	2600		1	28.0	260	ug/Kg	10/10/25 16:49	PB170055
78-59-1	Isophorone	2400		1	50.1	260	ug/Kg	10/10/25 16:49	PB170055
88-75-5	2-Nitrophenol	2700		1	88.9	260	ug/Kg	10/10/25 16:49	PB170055
105-67-9	2,4-Dimethylphenol	2700		1	99.0	260	ug/Kg	10/10/25 16:49	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2500		1	47.1	260	ug/Kg	10/10/25 16:49	PB170055
120-83-2	2,4-Dichlorophenol	2400		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
91-20-3	Naphthalene	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
106-47-8	4-Chloroaniline	870		1	54.1	260	ug/Kg	10/10/25 16:49	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
105-60-2	Caprolactam	2500		1	79.6	500	ug/Kg	10/10/25 16:49	PB170055
59-50-7	4-Chloro-3-methylphenol	2300		1	43.9	260	ug/Kg	10/10/25 16:49	PB170055
91-57-6	2-Methylnaphthalene	2200		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
77-47-4	Hexachlorocyclopentadiene	2700		1	180	500	ug/Kg	10/10/25 16:49	PB170055
88-06-2	2,4,6-Trichlorophenol	2500		1	30.3	260	ug/Kg	10/10/25 16:49	PB170055
95-95-4	2,4,5-Trichlorophenol	2400		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.3	260	ug/Kg	10/10/25 16:49	PB170055
91-58-7	2-Chloronaphthalene	2500		1	34.4	260	ug/Kg	10/10/25 16:49	PB170055
88-74-4	2-Nitroaniline	2800		1	73.5	260	ug/Kg	10/10/25 16:49	PB170055
131-11-3	Dimethylphthalate	2600		1	41.4	260	ug/Kg	10/10/25 16:49	PB170055
208-96-8	Acenaphthylene	2800		1	44.2	260	ug/Kg	10/10/25 16:49	PB170055
606-20-2	2,6-Dinitrotoluene	2900		1	51.4	260	ug/Kg	10/10/25 16:49	PB170055
99-09-2	3-Nitroaniline	1800		1	70.3	260	ug/Kg	10/10/25 16:49	PB170055
83-32-9	Acenaphthene	2400		1	32.6	260	ug/Kg	10/10/25 16:49	PB170055
51-28-5	2,4-Dinitrophenol	1100		1	350	500	ug/Kg	10/10/25 16:49	PB170055
100-02-7	4-Nitrophenol	4500	E	1	160	500	ug/Kg	10/10/25 16:49	PB170055
132-64-9	Dibenzofuran	2500		1	34.7	260	ug/Kg	10/10/25 16:49	PB170055
121-14-2	2,4-Dinitrotoluene	2700		1	76.6	260	ug/Kg	10/10/25 16:49	PB170055
84-66-2	Diethylphthalate	2500		1	43.3	260	ug/Kg	10/10/25 16:49	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 16:49	PB170055
86-73-7	Fluorene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
100-01-6	4-Nitroaniline	2100		1	98.1	260	ug/Kg	10/10/25 16:49	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	700		1	160	500	ug/Kg	10/10/25 16:49	PB170055

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc		Date Collected:	10/07/25
Project:	Con Edison Richmond Terrace		Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS		SDG No.:	Q3310
Lab Sample ID:	Q3310-01MS		Matrix:	SOIL
Analytical Method:	8270E	Level : LOW	% Solid:	65.3
Sample Wt/Vol:	30.06 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2700		1	50.3	260	ug/Kg	10/10/25 16:49	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 16:49	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 16:49	PB170055
1912-24-9	Atrazine	2700		1	52.0	260	ug/Kg	10/10/25 16:49	PB170055
87-86-5	Pentachlorophenol	4900	E	1	78.4	500	ug/Kg	10/10/25 16:49	PB170055
85-01-8	Phenanthrene	3800		1	31.9	260	ug/Kg	10/10/25 16:49	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 16:49	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 16:49	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.2	260	ug/Kg	10/10/25 16:49	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 16:49	PB170055
129-00-0	Pyrene	3100		1	55.0	260	ug/Kg	10/10/25 16:49	PB170055
85-68-7	Butylbenzylphthalate	2700		1	110	260	ug/Kg	10/10/25 16:49	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 16:49	PB170055
56-55-3	Benzo(a)anthracene	3500		1	35.2	260	ug/Kg	10/10/25 16:49	PB170055
218-01-9	Chrysene	3300		1	30.4	260	ug/Kg	10/10/25 16:49	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	3000		1	90.5	260	ug/Kg	10/10/25 16:49	PB170055
117-84-0	Di-n-octyl phthalate	3300		1	130	500	ug/Kg	10/10/25 16:49	PB170055
205-99-2	Benzo(b)fluoranthene	4000		1	29.0	260	ug/Kg	10/10/25 16:49	PB170055
207-08-9	Benzo(k)fluoranthene	2800		1	34.2	260	ug/Kg	10/10/25 16:49	PB170055
50-32-8	Benzo(a)pyrene	3400		1	45.1	260	ug/Kg	10/10/25 16:49	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 16:49	PB170055
53-70-3	Dibenzo(a,h)anthracene	2000		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 16:49	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2900		1	39.1	260	ug/Kg	10/10/25 16:49	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 16:49	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2400		1	41.9	260	ug/Kg	10/10/25 16:49	PB170055

SURROGATES

367-12-4	2-Fluorophenol	84.5		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	84.2		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	59.4		18 - 107	59%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.0		20 - 109	50%	SPK: 100
118-79-6	2,4,6-Tribromophenol	71.0		10 - 116	47%	SPK: 150
1718-51-0	Terphenyl-d14	37.8		10 - 105	38%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	113000
1146-65-2	Naphthalene-d8	421000
15067-26-2	Acenaphthene-d10	206000
1517-22-2	Phenanthrene-d10	309000
1719-03-5	Chrysene-d12	255000
1520-96-3	Perylene-d12	244000



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:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MS	SDG No.:	Q3310
Lab Sample ID:	Q3310-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.3
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.06 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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\BF101025\
 Data File : BF143928.D
 Acq On : 10 Oct 2025 16:49
 Operator : RC/JU
 Sample : Q3310-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 17:17:04 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	113164	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	420905	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	206322	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	308746	20.000	ng	0.00
76) Chrysene-d12	14.068	240	255306	20.000	ng	0.00
86) Perylene-d12	15.545	264	243905	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	602384	84.530	ng	0.00
7) Phenol-d6	6.510	99	715021	84.178	ng	0.00
23) Nitrobenzene-d5	7.445	82	411811	59.442	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	145989	71.041	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	650734	50.045	ng	-0.01
79) Terphenyl-d14	12.998	244	564040	37.758	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	144972	43.962	ng	97
3) Pyridine	3.451	79	418110	43.553	ng	98
4) n-Nitrosodimethylamine	3.398	42	245380	48.589	ng	92
6) Aniline	6.545	93	373392	29.335	ng	98
8) 2-Chlorophenol	6.669	128	325604	46.743	ng	98
9) Benzaldehyde	6.434	77	201314	30.723	ng	99
10) Phenol	6.522	94	498510	49.090	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	369226	47.068	ng	98
12) 1,3-Dichlorobenzene	6.822	146	388197	46.556	ng	98
13) 1,4-Dichlorobenzene	6.904	146	394175	47.924	ng	98
14) 1,2-Dichlorobenzene	7.051	146	374087	47.483	ng	100
15) Benzyl Alcohol	7.022	79	320503	50.359	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	852689	47.754	ng	100
17) 2-Methylphenol	7.134	107	275272	47.816	ng	99
18) Hexachloroethane	7.398	117	123345	44.967	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	259881	44.697	ng	98
20) 3+4-Methylphenols	7.286	107	304691	45.666	ng	# 76
22) Acetophenone	7.292	105	460099	51.698	ng	97
24) Nitrobenzene	7.463	77	388139	50.450	ng	99
25) Isophorone	7.704	82	695804	47.632	ng	99
26) 2-Nitrophenol	7.781	139	175412	53.180	ng	98
27) 2,4-Dimethylphenol	7.816	122	316376	53.320	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	444801	48.203	ng	99
29) 2,4-Dichlorophenol	8.022	162	292171	47.273	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	300734	49.476	ng	99
31) Naphthalene	8.186	128	938705	49.027	ng	100
32) Benzoic acid	7.928	122	207190	50.455	ng	96
33) 4-Chloroaniline	8.233	127	122883	17.112	ng	99
34) Hexachlorobutadiene	8.304	225	192115	45.483	ng	96
35) Caprolactam	8.604	113	95233	48.461	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	270474	45.559	ng	99
37) 2-Methylnaphthalene	8.880	142	542952	42.571	ng	100
38) 1-Methylnaphthalene	8.980	142	543024	43.895	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	321453	56.371	ng	100
41) Hexachlorocyclopentadiene	9.033	237	125116	52.887	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	205359	49.287	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143928.D
 Acq On : 10 Oct 2025 16:49
 Operator : RC/JU
 Sample : Q3310-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 17:17:04 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

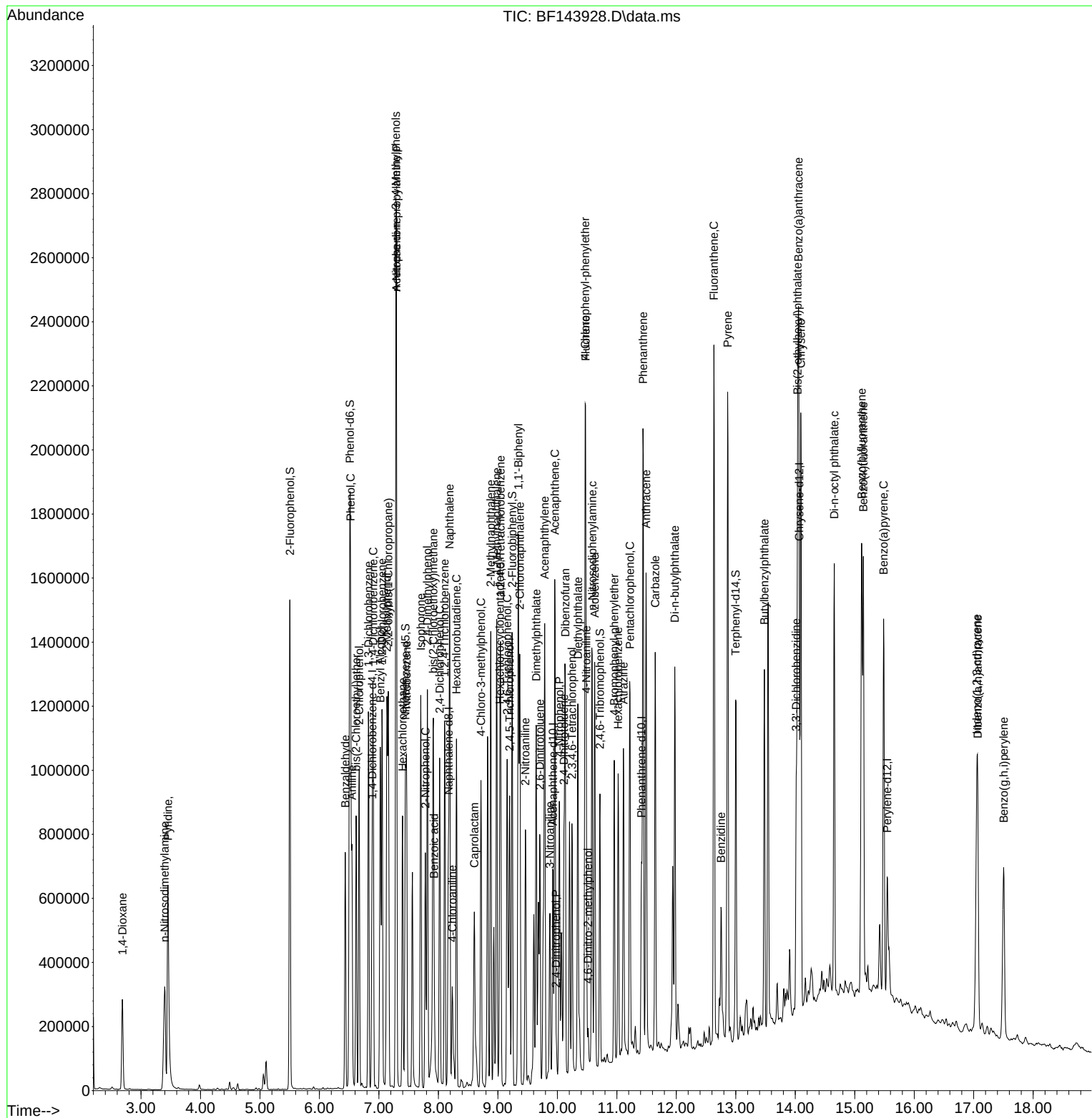
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	211202	47.967	ng	98
46) 1,1'-Biphenyl	9.345	154	759271	55.582	ng	100
47) 2-Chloronaphthalene	9.369	162	568718	49.934	ng	97
48) 2-Nitroaniline	9.463	65	198755	55.197	ng	99
49) Acenaphthylene	9.786	152	869861	54.326	ng	100
50) Dimethylphthalate	9.645	163	662822	50.588	ng	100
51) 2,6-Dinitrotoluene	9.704	165	139080	57.245	ng	98
52) Acenaphthene	9.957	154	497931	47.458	ng	99
53) 3-Nitroaniline	9.875	138	107214	36.040	ng	98
54) 2,4-Dinitrophenol	9.980	184	23533	21.281	ng	# 78
55) Dibenzofuran	10.133	168	718551	48.516	ng	99
56) 4-Nitrophenol	10.033	139	199522	88.579	ng	94
57) 2,4-Dinitrotoluene	10.110	165	178154	53.892	ng	99
58) Fluorene	10.475	166	530817	47.498	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	144809m	46.460	ng	
60) Diethylphthalate	10.345	149	600486	49.333	ng	98
61) 4-Chlorophenyl-phenyle...	10.469	204	271508	45.952	ng	98
62) 4-Nitroaniline	10.486	138	117365	41.026	ng	95
63) Azobenzene	10.627	77	654068	51.414	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	21237	13.688	ng	96
66) n-Nitrosodiphenylamine	10.586	169	515716	53.198	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	171684	50.316	ng	98
68) Hexachlorobenzene	11.022	284	188054	47.606	ng	98
69) Atrazine	11.110	200	155574	52.947	ng	99
70) Pentachlorophenol	11.222	266	217340	95.798	ng	98
71) Phenanthrene	11.439	178	1128850	75.417	ng	100
72) Anthracene	11.492	178	833372	55.112	ng	100
73) Carbazole	11.645	167	739600	55.225	ng	98
74) Di-n-butylphthalate	11.974	149	835911	53.855	ng	99
75) Fluoranthene	12.633	202	1345400	87.019	ng	99
77) Benzidine	12.751	184	260951	29.437	ng	100
78) Pyrene	12.863	202	1276972	59.995	ng	99
80) Butylbenzylphthalate	13.480	149	368922	53.370	ng	100
81) Benzo(a)anthracene	14.057	228	1142872	68.405	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	238418	46.826	ng	99
83) Chrysene	14.092	228	1011269	65.399	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	491915	59.034	ng	100
85) Di-n-octyl phthalate	14.657	149	894357	65.348	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	653150	43.703	ng	99
88) Benzo(b)fluoranthene	15.115	252	1101256	78.601	ng	98
89) Benzo(k)fluoranthene	15.145	252	718216	55.399	ng	99
90) Benzo(a)pyrene	15.486	252	805657	66.317	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	466499	38.811	ng	99
92) Benzo(g,h,i)perylene	17.503	276	513188	42.695	ng	97

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

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025





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
Project: Con Edison Richmond Terrace
Client Sample ID: SS-01-0-1MSD
Lab Sample ID: Q3310-01MSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 10/10/25

Date Collected: 10/07/25
Date Received: 10/08/25
SDG No.: Q3310
Matrix: SOIL
% Solid: 65.3
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1500		1	240	500	ug/Kg	10/10/25 17:18	PB170055
108-95-2	Phenol	2400		1	33.8	260	ug/Kg	10/10/25 17:18	PB170055
111-44-4	bis(2-Chloroethyl)ether	2300		1	37.2	260	ug/Kg	10/10/25 17:18	PB170055
95-57-8	2-Chlorophenol	2300		1	37.3	260	ug/Kg	10/10/25 17:18	PB170055
95-48-7	2-Methylphenol	2300		1	45.7	260	ug/Kg	10/10/25 17:18	PB170055
108-60-1	2,2-oxybis(1-Chloropropane)	2400		1	57.4	260	ug/Kg	10/10/25 17:18	PB170055
98-86-2	Acetophenone	2500		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
65794-96-9	3+4-Methylphenols	2200		1	62.9	500	ug/Kg	10/10/25 17:18	PB170055
621-64-7	n-Nitroso-di-n-propylamine	2200		1	72.5	120	ug/Kg	10/10/25 17:18	PB170055
67-72-1	Hexachloroethane	2200		1	26.9	260	ug/Kg	10/10/25 17:18	PB170055
98-95-3	Nitrobenzene	2500		1	28.0	260	ug/Kg	10/10/25 17:18	PB170055
78-59-1	Isophorone	2400		1	50.2	260	ug/Kg	10/10/25 17:18	PB170055
88-75-5	2-Nitrophenol	2600		1	89.0	260	ug/Kg	10/10/25 17:18	PB170055
105-67-9	2,4-Dimethylphenol	2600		1	99.1	260	ug/Kg	10/10/25 17:18	PB170055
111-91-1	bis(2-Chloroethoxy)methane	2300		1	47.1	260	ug/Kg	10/10/25 17:18	PB170055
120-83-2	2,4-Dichlorophenol	2300		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
91-20-3	Naphthalene	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
106-47-8	4-Chloroaniline	900		1	54.2	260	ug/Kg	10/10/25 17:18	PB170055
87-68-3	Hexachlorobutadiene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
105-60-2	Caprolactam	2300		1	79.7	500	ug/Kg	10/10/25 17:18	PB170055
59-50-7	4-Chloro-3-methylphenol	2200		1	43.9	260	ug/Kg	10/10/25 17:18	PB170055
91-57-6	2-Methylnaphthalene	2100		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
77-47-4	Hexachlorocyclopentadiene	2200		1	180	500	ug/Kg	10/10/25 17:18	PB170055
88-06-2	2,4,6-Trichlorophenol	2400		1	30.3	260	ug/Kg	10/10/25 17:18	PB170055
95-95-4	2,4,5-Trichlorophenol	2300		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
92-52-4	1,1-Biphenyl	2800		1	33.4	260	ug/Kg	10/10/25 17:18	PB170055
91-58-7	2-Chloronaphthalene	2400		1	34.4	260	ug/Kg	10/10/25 17:18	PB170055
88-74-4	2-Nitroaniline	2800		1	73.6	260	ug/Kg	10/10/25 17:18	PB170055
131-11-3	Dimethylphthalate	2500		1	41.5	260	ug/Kg	10/10/25 17:18	PB170055
208-96-8	Acenaphthylene	2700		1	44.2	260	ug/Kg	10/10/25 17:18	PB170055
606-20-2	2,6-Dinitrotoluene	2800		1	51.4	260	ug/Kg	10/10/25 17:18	PB170055
99-09-2	3-Nitroaniline	1900		1	70.4	260	ug/Kg	10/10/25 17:18	PB170055
83-32-9	Acenaphthene	2300		1	32.6	260	ug/Kg	10/10/25 17:18	PB170055
51-28-5	2,4-Dinitrophenol	720		1	350	500	ug/Kg	10/10/25 17:18	PB170055
100-02-7	4-Nitrophenol	4200	E	1	160	500	ug/Kg	10/10/25 17:18	PB170055
132-64-9	Dibenzofuran	2400		1	34.7	260	ug/Kg	10/10/25 17:18	PB170055
121-14-2	2,4-Dinitrotoluene	2600		1	76.6	260	ug/Kg	10/10/25 17:18	PB170055
84-66-2	Diethylphthalate	2400		1	43.3	260	ug/Kg	10/10/25 17:18	PB170055
7005-72-3	4-Chlorophenyl-phenylether	2300		1	40.8	260	ug/Kg	10/10/25 17:18	PB170055
86-73-7	Fluorene	2300		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
100-01-6	4-Nitroaniline	2000		1	98.2	260	ug/Kg	10/10/25 17:18	PB170055
534-52-1	4,6-Dinitro-2-methylphenol	420	J	1	160	500	ug/Kg	10/10/25 17:18	PB170055

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc	Date Collected: 10/07/25
Project: Con Edison Richmond Terrace	Date Received: 10/08/25
Client Sample ID: SS-01-0-1MSD	SDG No.: Q3310
Lab Sample ID: Q3310-01MSD	Matrix: SOIL
Analytical Method: 8270E Level : LOW	% Solid: 65.3
Sample Wt/Vol: 30.03 g Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method : SW3541 Prep Date: 10/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2800		1	50.3	260	ug/Kg	10/10/25 17:18	PB170055
101-55-3	4-Bromophenyl-phenylether	2600		1	42.5	260	ug/Kg	10/10/25 17:18	PB170055
118-74-1	Hexachlorobenzene	2400		1	38.7	260	ug/Kg	10/10/25 17:18	PB170055
1912-24-9	Atrazine	2600		1	52.0	260	ug/Kg	10/10/25 17:18	PB170055
87-86-5	Pentachlorophenol	4700	E	1	78.5	500	ug/Kg	10/10/25 17:18	PB170055
85-01-8	Phenanthrene	3900		1	32.0	260	ug/Kg	10/10/25 17:18	PB170055
120-12-7	Anthracene	2800		1	50.9	260	ug/Kg	10/10/25 17:18	PB170055
86-74-8	Carbazole	2800		1	47.7	260	ug/Kg	10/10/25 17:18	PB170055
84-74-2	Di-n-butylphthalate	2700		1	73.3	260	ug/Kg	10/10/25 17:18	PB170055
206-44-0	Fluoranthene	4400	E	1	45.9	260	ug/Kg	10/10/25 17:18	PB170055
129-00-0	Pyrene	3000		1	55.1	260	ug/Kg	10/10/25 17:18	PB170055
85-68-7	Butylbenzylphthalate	2600		1	110	260	ug/Kg	10/10/25 17:18	PB170055
91-94-1	3,3-Dichlorobenzidine	2400		1	56.1	500	ug/Kg	10/10/25 17:18	PB170055
56-55-3	Benzo(a)anthracene	3400		1	35.2	260	ug/Kg	10/10/25 17:18	PB170055
218-01-9	Chrysene	3200		1	30.4	260	ug/Kg	10/10/25 17:18	PB170055
117-81-7	Bis(2-ethylhexyl)phthalate	2900		1	90.6	260	ug/Kg	10/10/25 17:18	PB170055
117-84-0	Di-n-octyl phthalate	3200		1	130	500	ug/Kg	10/10/25 17:18	PB170055
205-99-2	Benzo(b)fluoranthene	3500		1	29.1	260	ug/Kg	10/10/25 17:18	PB170055
207-08-9	Benzo(k)fluoranthene	2700		1	34.3	260	ug/Kg	10/10/25 17:18	PB170055
50-32-8	Benzo(a)pyrene	3300		1	45.1	260	ug/Kg	10/10/25 17:18	PB170055
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	44.5	260	ug/Kg	10/10/25 17:18	PB170055
53-70-3	Dibenzo(a,h)anthracene	1900		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055
191-24-2	Benzo(g,h,i)perylene	2200		1	39.3	260	ug/Kg	10/10/25 17:18	PB170055
95-94-3	1,2,4,5-Tetrachlorobenzene	2800		1	39.2	260	ug/Kg	10/10/25 17:18	PB170055
123-91-1	1,4-Dioxane	2200		1	69.1	260	ug/Kg	10/10/25 17:18	PB170055
58-90-2	2,3,4,6-Tetrachlorophenol	2200		1	41.9	260	ug/Kg	10/10/25 17:18	PB170055

SURROGATES

367-12-4	2-Fluorophenol	81.9		18 - 112	55%	SPK: 150
13127-88-3	Phenol-d6	80.9		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	57.4		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.4		20 - 109	49%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.1		10 - 116	44%	SPK: 150
1718-51-0	Terphenyl-d14	35.9		10 - 105	36%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	118000
1146-65-2	Naphthalene-d8	432000
15067-26-2	Acenaphthene-d10	206000
1517-22-2	Phenanthrene-d10	294000
1719-03-5	Chrysene-d12	250000
1520-96-3	Perylene-d12	234000



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:	10/07/25
Project:	Con Edison Richmond Terrace	Date Received:	10/08/25
Client Sample ID:	SS-01-0-1MSD	SDG No.:	Q3310
Lab Sample ID:	Q3310-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	65.3
	Level : LOW	Test:	SVOC-TCL BNA -20
Sample Wt/Vol:	30.03 g		
	Final Vol: 1000 uL		
Prep Method :	SW3541		
	Prep Date: 10/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
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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\BF101025\
 Data File : BF143929.D
 Acq On : 10 Oct 2025 17:18
 Operator : RC/JU
 Sample : Q3310-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 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)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118400	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	432037	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	206418	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	294129	20.000	ng	0.00
76) Chrysene-d12	14.068	240	250086	20.000	ng	0.00
86) Perylene-d12	15.545	264	234027	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	610390	81.866	ng	0.00
7) Phenol-d6	6.510	99	719140	80.919	ng	0.00
23) Nitrobenzene-d5	7.445	82	408065	57.384	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	135862	66.082	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	642465	49.386	ng	-0.01
79) Terphenyl-d14	13.004	244	525577	35.918	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	146145	42.358	ng	96
3) Pyridine	3.457	79	416024	41.419	ng	97
4) n-Nitrosodimethylamine	3.404	42	245517	46.466	ng	93
6) Aniline	6.545	93	375981	28.232	ng	98
8) 2-Chlorophenol	6.669	128	334438	45.888	ng	98
9) Benzaldehyde	6.434	77	204688	29.857	ng	99
10) Phenol	6.522	94	497367	46.812	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	375103	45.703	ng	99
12) 1,3-Dichlorobenzene	6.822	146	386144	44.262	ng	99
13) 1,4-Dichlorobenzene	6.904	146	391672	45.513	ng	99
14) 1,2-Dichlorobenzene	7.051	146	375997	45.615	ng	99
15) Benzyl Alcohol	7.022	79	317470	47.677	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	866381	46.375	ng	100
17) 2-Methylphenol	7.134	107	273298	45.374	ng	99
18) Hexachloroethane	7.398	117	123788	43.133	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	257967	42.406	ng	98
20) 3+4-Methylphenols	7.287	107	307145	43.998	ng	# 77
22) Acetophenone	7.292	105	455250	49.835	ng	96
24) Nitrobenzene	7.463	77	389887	49.371	ng	99
25) Isophorone	7.704	82	695779	46.403	ng	99
26) 2-Nitrophenol	7.781	139	174112	51.426	ng	98
27) 2,4-Dimethylphenol	7.816	122	315565	51.813	ng	99
28) bis(2-Chloroethoxy)met...	7.916	93	433734	45.793	ng	99
29) 2,4-Dichlorophenol	8.022	162	287943	45.388	ng	97
30) 1,2,4-Trichlorobenzene	8.104	180	300197	48.115	ng	100
31) Naphthalene	8.192	128	932005	47.423	ng	100
32) Benzoic acid	7.928	122	194020	46.030	ng	97
33) 4-Chloroaniline	8.234	127	130435	17.696	ng	99
34) Hexachlorobutadiene	8.304	225	193808	44.702	ng	99
35) Caprolactam	8.604	113	91491	45.357	ng	99
36) 4-Chloro-3-methylphenol	8.716	107	261321	42.883	ng	98
37) 2-Methylnaphthalene	8.881	142	534905	40.859	ng	100
38) 1-Methylnaphthalene	8.981	142	533120	41.984	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	317275	55.612	ng	99
41) Hexachlorocyclopentadiene	9.033	237	101705	42.971	ng	99
43) 2,4,6-Trichlorophenol	9.157	196	199193	47.785	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143929.D
 Acq On : 10 Oct 2025 17:18
 Operator : RC/JU
 Sample : Q3310-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 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

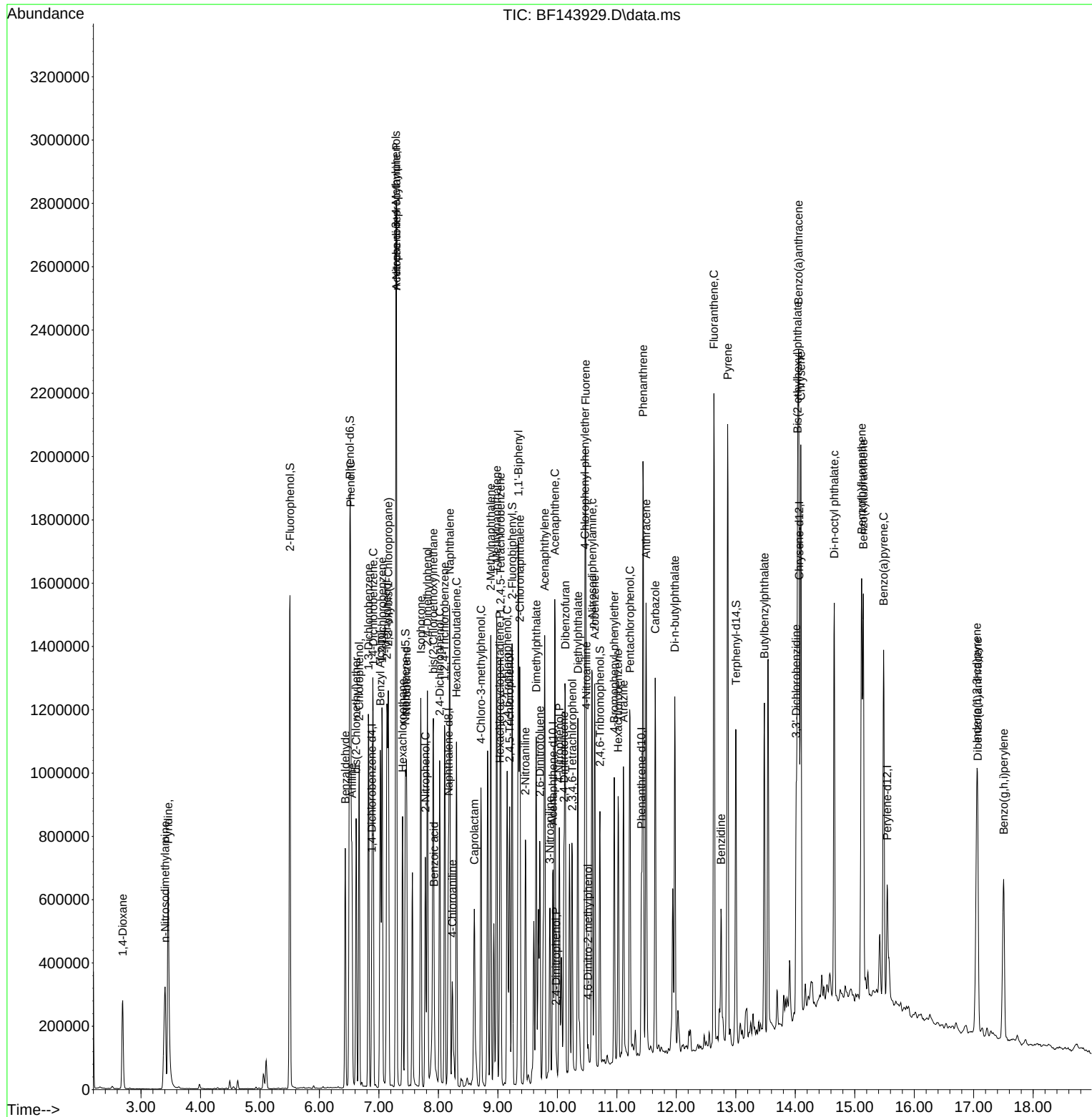
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	202113	45.881	ng	99
46) 1,1'-Biphenyl	9.345	154	739365	54.100	ng	98
47) 2-Chloronaphthalene	9.369	162	547343	48.035	ng	98
48) 2-Nitroaniline	9.463	65	195519	54.273	ng	98
49) Acenaphthylene	9.786	152	842706	52.605	ng	100
50) Dimethylphthalate	9.645	163	652573	49.783	ng	99
51) 2,6-Dinitrotoluene	9.704	165	134316	55.258	ng	98
52) Acenaphthene	9.957	154	477808	45.519	ng	98
53) 3-Nitroaniline	9.875	138	113053	37.985	ng	98
54) 2,4-Dinitrophenol	9.980	184	11722	14.081	ng	# 41
55) Dibenzofuran	10.133	168	707567	47.752	ng	98
56) 4-Nitrophenol	10.033	139	187692	83.288	ng	98
57) 2,4-Dinitrotoluene	10.110	165	169013	51.103	ng	97
58) Fluorene	10.475	166	506230	45.277	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	133629	42.853	ng	99
60) Diethylphthalate	10.345	149	579699	47.603	ng	99
61) 4-Chlorophenyl-phenylether	10.463	204	267368	45.231	ng	97
62) 4-Nitroaniline	10.486	138	113273	39.577	ng	93
63) Azobenzene	10.627	77	639220	50.224	ng	96
65) 4,6-Dinitro-2-methylph...	10.516	198	12180	8.240	ng	87
66) n-Nitrosodiphenylamine	10.586	169	503512	54.520	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	163297	50.236	ng	99
68) Hexachlorobenzene	11.022	284	176825	46.988	ng	97
69) Atrazine	11.110	200	143934	51.420	ng	96
70) Pentachlorophenol	11.222	266	200869	92.938	ng	98
71) Phenanthrene	11.439	178	1086924	76.225	ng	99
72) Anthracene	11.492	178	785356	54.518	ng	99
73) Carbazole	11.645	167	697255	54.651	ng	99
74) Di-n-butylphthalate	11.974	149	772095	52.216	ng	100
75) Fluoranthene	12.633	202	1271771	86.345	ng	99
77) Benzidine	12.751	184	261032	30.060	ng	98
78) Pyrene	12.863	202	1220247	58.527	ng	98
80) Butylbenzylphthalate	13.480	149	348136	51.414	ng	98
81) Benzo(a)anthracene	14.057	228	1096245	66.984	ng	99
82) 3,3'-Dichlorobenzidine	14.015	252	239151	47.951	ng	99
83) Chrysene	14.092	228	951480	62.817	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	458060	56.119	ng	99
85) Di-n-octyl phthalate	14.657	149	845476	63.066	ng	100
87) Indeno(1,2,3-cd)pyrene	17.051	276	615808	42.944	ng	98
88) Benzo(b)fluoranthene	15.115	252	916681	68.189	ng	99
89) Benzo(k)fluoranthene	15.145	252	654063	52.580	ng	98
90) Benzo(a)pyrene	15.486	252	754072	64.691	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	436970	37.889	ng	99
92) Benzo(g,h,i)perylene	17.503	276	488713	42.375	ng	98

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143929.D
Acq On    : 10 Oct 2025 17:18
Operator  : RC/JU
Sample    : Q3310-01MSD
Misc      :
ALS Vial  : 10    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SS-01-0-1MSD

Quant Time: Oct 10 21:48:08 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 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

Manual Integration Report

Sequence:

BF101025

Instrument

BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3310-02	BF143923.D	Benzo(b)fluoranthene	Jagrut	10/13/2025 12:26:56 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-02	BF143923.D	Benzo(k)fluoranthene	Jagrut	10/13/2025 12:26:56 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-03	BF143924.D	Benzo(b)fluoranthene	Jagrut	10/13/2025 12:26:58 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-01	BF143927.D	Benzo(b)fluoranthene	Jagrut	10/13/2025 12:27:05 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-01	BF143927.D	Benzo(k)fluoranthene	Jagrut	10/13/2025 12:27:05 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software
Q3310-01MS	BF143928.D	2,3,4,6-Tetrachlorophen ol	Jagrut	10/13/2025 12:27:07 PM	mohammad	10/15/2025 4:43:25 AM	Peak Integrated by Software

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
PB170055BS	BF143949.D	2,3,4,6-Tetrachlorophen ol	Jagrut	10/14/2025 4:49:20 PM	 	 	Peak Integrated by Software
PB170055BS	BF143949.D	Caprolactam	Jagrut	10/14/2025 4:49:20 PM	 	 	Peak Integrated by Software
PB170055BS	BF143949.D	Phenol	Jagrut	10/14/2025 4:49:20 PM	 	 	Peak Integrated by Software

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101025

Review By	Jagrut	Review On	10/13/2025 12:27:26 PM
Supervise By	mohammad	Supervise On	10/15/2025 4:43:25 AM
SubDirectory	BF101025	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	BF143919.D	10 Oct 2025 11:33	RC/JU	Ok
2	SSTDCCC040	BF143920.D	10 Oct 2025 12:32	RC/JU	Ok
3	PB170055BL	BF143921.D	10 Oct 2025 13:24	RC/JU	Ok
4	PB170055BS	BF143922.D	10 Oct 2025 13:53	RC/JU	Not Ok
5	Q3310-02	BF143923.D	10 Oct 2025 14:26	RC/JU	Ok,M
6	Q3310-03	BF143924.D	10 Oct 2025 14:54	RC/JU	Ok,M
7	Q3322-01	BF143925.D	10 Oct 2025 15:23	RC/JU	Ok,M
8	Q3321-01	BF143926.D	10 Oct 2025 15:51	RC/JU	Ok,M
9	Q3310-01	BF143927.D	10 Oct 2025 16:20	RC/JU	Ok,M
10	Q3310-01MS	BF143928.D	10 Oct 2025 16:49	RC/JU	Ok,M
11	Q3310-01MSD	BF143929.D	10 Oct 2025 17:18	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF101025

Review By	Jagrut	Review On	10/13/2025 12:27:26 PM
Supervise By	mohammad	Supervise On	10/15/2025 4:43:25 AM
SubDirectory	BF101025	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	BF143919.D	10 Oct 2025 11:33		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143920.D	10 Oct 2025 12:32		RC/JU	Ok
3	PB170055BL	PB170055BL	BF143921.D	10 Oct 2025 13:24		RC/JU	Ok
4	PB170055BS	PB170055BS	BF143922.D	10 Oct 2025 13:53	Compound #90 has positive hit in sample Q3310-01	RC/JU	Not Ok
5	Q3310-02	SS-01-1-2	BF143923.D	10 Oct 2025 14:26		RC/JU	Ok,M
6	Q3310-03	SS-01-2-3	BF143924.D	10 Oct 2025 14:54		RC/JU	Ok,M
7	Q3322-01	OR-02-100925	BF143925.D	10 Oct 2025 15:23		RC/JU	Ok,M
8	Q3321-01	P001-DS-01	BF143926.D	10 Oct 2025 15:51		RC/JU	Ok,M
9	Q3310-01	SS-01-0-1	BF143927.D	10 Oct 2025 16:20		RC/JU	Ok,M
10	Q3310-01MS	SS-01-0-1MS	BF143928.D	10 Oct 2025 16:49		RC/JU	Ok,M
11	Q3310-01MSD	SS-01-0-1MSD	BF143929.D	10 Oct 2025 17:18		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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: 10/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 10/09/2025
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: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137480

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
Q3300-01	OIL	1	1.00	1.00	2.00	2.00	100.0	oil sample
Q3310-01	SS-01-0-1	2	1.15	10.03	11.18	7.7	65.3	
Q3310-02	SS-01-1-2	3	1.12	10.62	11.74	8.81	72.4	
Q3310-03	SS-01-2-3	4	1.16	10.56	11.72	9.09	75.1	
Q3321-01	P001-DS-01	5	1.16	10.56	11.72	9.44	78.4	
Q3322-01	OR-02-100925	6	1.11	10.33	11.44	10.72	93.0	
Q3322-02	OR-02-100925-E2	7	1.12	11.11	12.23	11.55	93.9	

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

WORKLIST(Hardcopy Internal Chain)

137480

WorkList Name : %1-100925 WorkList ID : 192359 Department : Wet-Chemistry Date : 10-09-2025 08:08:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3300-01	OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/07/2025	Chemtech -SO
Q3310-01	SS-01-0-1	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-02	SS-01-1-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3310-03	SS-01-2-3	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/07/2025	Chemtech -SO
Q3321-01	P001-DS-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	D41	10/08/2025	Chemtech -SO
Q3322-01	OR-02-100925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO
Q3322-02	OR-02-100925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	10/09/2025	Chemtech -SO

Date/Time 10/09/25 15:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/09/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Extraction Start Date : 10/10/2025

Matrix : Solid

Extraction Start Time : 09:35

Welgh By: EH

Extraction By: RJ

Extraction End Date : 10/10/2025

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 : ritesh

Extraction Method: ☐ Seperatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard 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	EP2646
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
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

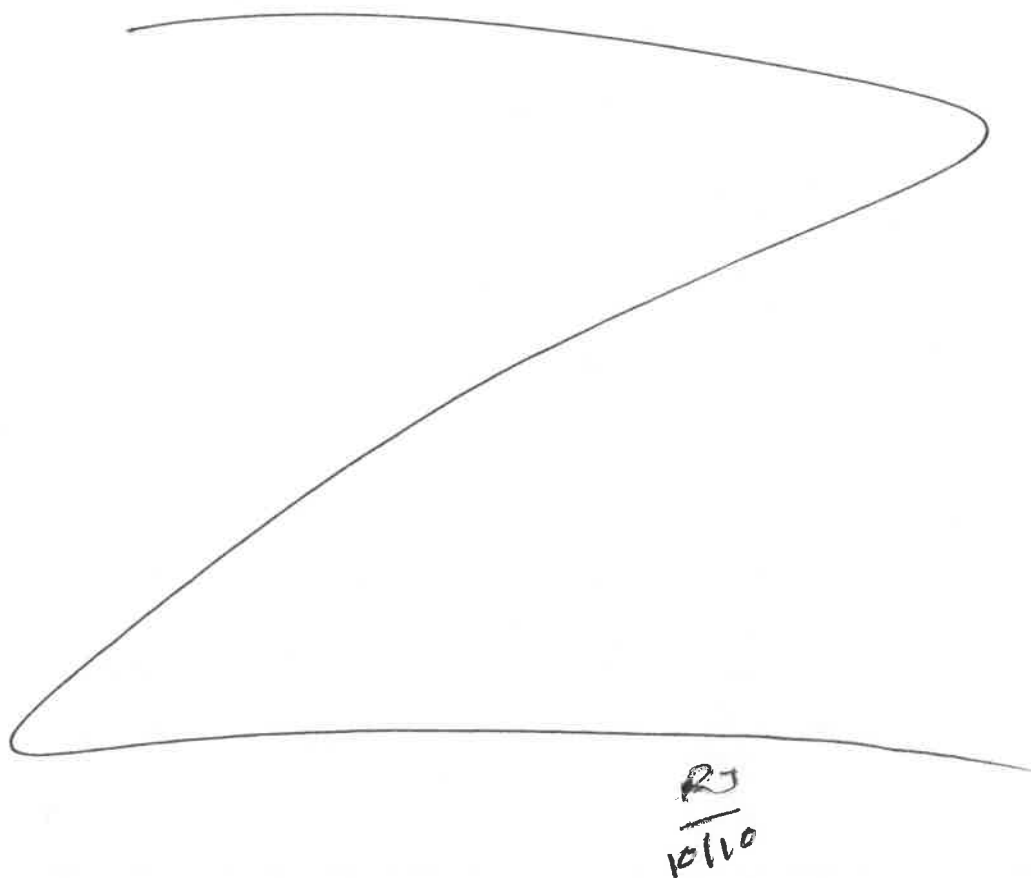
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/10/25	RJ L67L-Lab	Rclsvoc
13:00	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/10/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170055BL	SBLK055	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U1-1
PB170055BS	SLCS055	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q3310-01	SS-01-0-1	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q3310-01MS	SS-01-0-1MS	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		4
Q3310-01MS D	SS-01-0-1MSD	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		5
Q3310-02	SS-01-1-2	SVOC-TCL BNA -20	30.07	N/A	ritesh	Evelyn	1	E		6
Q3310-03	SS-01-2-3	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		U2-1
Q3321-01	P001-DS-01	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		2
Q3322-01	OR-02-100925	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3321BN WorkList ID : 192388 Department : Extraction Date : 10-10-2025 09:17:49

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3310-01	SS-01-0-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3310-02	SS-01-1-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3310-03	SS-01-2-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	LANG01	D31	10/07/2025	8270E
Q3321-01	P001-DS-01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	ROYF02	D41	10/08/2025	8270E
Q3322-01	OR-02-100925	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D31	10/09/2025	8270E

Date/Time 10/10/25 9:30
 Raw Sample Received by: RS LETA-(006)
 Raw Sample Relinquished by: CF

Date/Time 10/10/25 9:45
 Raw Sample Received by: CF
 Raw Sample Relinquished by: RS LETA-(006)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: LANGAN
ADDRESS: 1 North Broadway
CITY White Plains STATE: NY ZIP: 10601
ATTENTION: Gregory DelMastro
PHONE: 914-323-7414 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Richmond Terrace - Site 163
PROJECT NO.: 190134901 LOCATION:
PROJECT MANAGER: Gregory DelMastro
e-mail: gdelmastro@langan.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: LANGAN PO#: 190134901
ADDRESS:
CITY SAME STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 31 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) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

1. VOCS (8210)
2. SVOCs (8270)
3. TAL Metals (600700)
4. PcBs (8082A)
5. Pesticides (80812)
6. ...
7. ...
8. ...
9. ...

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	<u>SS-01-0-1</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:05</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
2.	<u>SS-01-1-2</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>15:20</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
3.	<u>SS-01-2-3</u>	<u>S</u>		<u>X</u>	<u>10/7</u>	<u>16:00</u>	<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>10/7/25 20:00</u>	RECEIVED BY: <u>[Signature]</u>	11/3	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:		Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10-8-25</u>	RECEIVED BY:		

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3310 LANG01	Order Date : 10/8/2025 1:24:21 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 : 10/8/2025 ~~12:00:00~~ AM	EDD Type : Excel NY
Invoice Name : Langan Engineering and En	Purchase Order : 16:30	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
Q3310-01	SS-01-0-1	Solid	10/07/2025	15:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-02	SS-01-1-2	Solid	10/07/2025	15:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q3310-03	SS-01-2-3	Solid	10/07/2025	16:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By : CPDate / Time : 10/9/25 11:50Received By : HBDate / Time : 10/09/25

Storage Area : VOA Refridgerator Room