

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: Q3495	OrderDate: 10/30/2025 10:45:41 AM
Client: Remington & Vernick Engineers	Project: Maclearie Park
Contact: Kyle Carlson	Location: D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3495-01	SB-1025-1	SOIL	SVOC-TCL BNA -20		10/27/25	10/31/25	10/31/25	10/29/25
Q3495-02	SB-1025-2	SOIL	SVOC-TCL BNA -20	8270E	10/27/25	10/31/25	11/03/25	10/29/25
Q3495-03	TW-1025-1	Water	SVOC-TCL BNA -20	8270E	10/27/25	10/31/25	10/31/25	10/29/25



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Hit Summary Sheet SW-846

SDG No.: Q3495
Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB-1025-2								
Q3495-02	SB-1025-2	SOIL	Bis(2-ethylhexyl)phthalate	120.000	J	78.6	230	ug/Kg
			Total Svoc :			120.00		
Q3495-02	SB-1025-2	SOIL	1-Heneicosanol	*	170.000	J	0	ug/Kg
Q3495-02	SB-1025-2	SOIL	Benzophenone	*	320.000	J	0	ug/Kg
Q3495-02	SB-1025-2	SOIL	n-Hexadecanoic acid	*	640.000	J	0	ug/Kg
Q3495-02	SB-1025-2	SOIL	Octadecanoic acid	*	220.000	J	0	ug/Kg
Q3495-02	SB-1025-2	SOIL	Phenol, 4,4-(1-methylethylidene)t	*	99.600	J	0	ug/Kg
			Total Tics :			1,449.60		
			Total Concentration:			1,569.60		



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3495

Client: Remington & Vernick Engineers

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170342BL	PB170342BL	2-Fluorophenol	150	127	85		18	112
		Phenol-d6	150	122	81		15	107
		Nitrobenzene-d5	100	86.0	86		18	107
		2-Fluorobiphenyl	100	82.9	83		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	85.3	85		10	105
PB170342BS	PB170342BS	2-Fluorophenol	150	121	80		18	112
		Phenol-d6	150	121	81		15	107
		Nitrobenzene-d5	100	79.2	79		18	107
		2-Fluorobiphenyl	100	76.7	77		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	80.8	81		10	105
Q3495-02	SB-1025-2	2-Fluorophenol	150	74.1	49		18	112
		Phenol-d6	150	74.6	50		15	107
		Nitrobenzene-d5	100	50.9	51		18	107
		2-Fluorobiphenyl	100	44.6	45		20	109
		2,4,6-Tribromophenol	150	85.3	57		10	116
		Terphenyl-d14	100	44.5	44		10	105
Q3495-02MS	SB-1025-2MS	2-Fluorophenol	150	74.1	49		18	112
		Phenol-d6	150	74.0	49		15	107
		Nitrobenzene-d5	100	49.0	49		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		2,4,6-Tribromophenol	150	81.1	54		10	116
		Terphenyl-d14	100	43.2	43		10	105
Q3495-02MSD	SB-1025-2MSD	2-Fluorophenol	150	66.9	45		18	112
		Phenol-d6	150	67.0	45		15	107
		Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	40.7	41		20	109
		2,4,6-Tribromophenol	150	75.4	50		10	116
		Terphenyl-d14	100	42.9	43		10	105

Surrogate Summary

SW-846

SDG No.: Q3495

Client: Remington & Vernick Engineers

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170346BL	PB170346BL	2-Fluorophenol	150	128	85		23	138
		Phenol-d6	150	122	81		10	134
		Nitrobenzene-d5	100	85.9	86		67	132
		2-Fluorobiphenyl	100	83.0	83		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	87.1	87		42	152
PB170346BS	PB170346BS	2-Fluorophenol	150	119	79		23	138
		Phenol-d6	150	118	79		10	134
		Nitrobenzene-d5	100	79.6	80		67	132
		2-Fluorobiphenyl	100	74.9	75		52	132
		2,4,6-Tribromophenol	150	123	82		44	137
		Terphenyl-d14	100	77.6	78		42	152
PB170346BSD	PB170346BSD	2-Fluorophenol	150	121	81		23	138
		Phenol-d6	150	120	80		10	134
		Nitrobenzene-d5	100	80.8	81		67	132
		2-Fluorobiphenyl	100	74.0	74		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	79.6	80		42	152
Q3495-03	TW-1025-1	2-Fluorophenol	150	59.4	40		23	138
		Phenol-d6	150	40.9	27		10	134
		Nitrobenzene-d5	100	91.6	92		67	132
		2-Fluorobiphenyl	100	85.6	86		52	132
		2,4,6-Tribromophenol	150	160	106		44	137
		Terphenyl-d14	100	91.0	91		42	152

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026061.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3495-02MS		Client Sample ID: SB-1025-2MS									
Benzaldehyde	2200	0	2000	ug/Kg	91				10	171	
Phenol	2200	0	2100	ug/Kg	95				51	122	
bis(2-Chloroethyl)ether	2200	0	2000	ug/Kg	91				54	125	
2-Chlorophenol	2200	0	2200	ug/Kg	100				51	121	
2-Methylphenol	2200	0	2100	ug/Kg	95				47	125	
2,2-oxybis(1-Chloropropane)	2200	0	1800	ug/Kg	82				46	119	
Acetophenone	2200	0	2000	ug/Kg	91				55	128	
3+4-Methylphenols	2200	0	2100	ug/Kg	95				49	125	
N-Nitroso-di-n-propylamine	2200	0	2000	ug/Kg	91				59	119	
Hexachloroethane	2200	0	2100	ug/Kg	95				51	116	
Nitrobenzene	2200	0	2100	ug/Kg	95				47	124	
Isophorone	2200	0	2000	ug/Kg	91				49	127	
2-Nitrophenol	2200	0	2800	ug/Kg	127				43	131	
2,4-Dimethylphenol	2200	0	2400	ug/Kg	109				63	151	
bis(2-Chloroethoxy)methane	2200	0	2000	ug/Kg	91				51	119	
2,4-Dichlorophenol	2200	0	2200	ug/Kg	100				50	122	
Naphthalene	2200	0	2000	ug/Kg	91				51	121	
4-Chloroaniline	2200	0	740	ug/Kg	34				10	100	
Hexachlorobutadiene	2200	0	2000	ug/Kg	91				44	126	
Caprolactam	2200	0	2200	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	2200	0	2200	ug/Kg	100				57	132	
2-Methylnaphthalene	2200	0	1800	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	4400	0	6300	ug/Kg	143				10	175	
2,4,6-Trichlorophenol	2200	0	2400	ug/Kg	109				33	141	
2,4,5-Trichlorophenol	2200	0	2300	ug/Kg	105				38	135	
1,1-Biphenyl	2200	0	2000	ug/Kg	91				55	131	
2-Chloronaphthalene	2200	0	2000	ug/Kg	91				48	124	
2-Nitroaniline	2200	0	2200	ug/Kg	100				47	134	
Dimethylphthalate	2200	0	2100	ug/Kg	95				54	120	
Acenaphthylene	2200	0	2300	ug/Kg	105				57	125	
2,6-Dinitrotoluene	2200	0	2300	ug/Kg	105				48	127	
3-Nitroaniline	2200	0	1400	ug/Kg	64				10	112	
Acenaphthene	2200	0	1900	ug/Kg	86				70	121	
2,4-Dinitrophenol	4400	0	4600	ug/Kg	105				10	155	
4-Nitrophenol	4400	0	4700	ug/Kg	107				10	175	
Dibenzofuran	2200	0	2000	ug/Kg	91				52	114	
2,4-Dinitrotoluene	2200	0	2200	ug/Kg	100				41	140	
Diethylphthalate	2200	0	2100	ug/Kg	95				51	119	
4-Chlorophenyl-phenylether	2200	0	2000	ug/Kg	91				48	122	
Fluorene	2200	0	2000	ug/Kg	91				53	118	
4-Nitroaniline	2200	0	2300	ug/Kg	105				29	140	
4,6-Dinitro-2-methylphenol	2200	0	2600	ug/Kg	118				10	160	
N-Nitrosodiphenylamine	2200	0	2100	ug/Kg	95				73	118	
4-Bromophenyl-phenylether	2200	0	2100	ug/Kg	95				65	121	
Hexachlorobenzene	2200	0	2100	ug/Kg	95				67	118	
Atrazine	2200	0	2400	ug/Kg	109				45	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026061.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	4400	0	5000	ug/Kg	114				13	153	
Phenanthrene	2200	0	2000	ug/Kg	91				52	128	
Anthracene	2200	0	2100	ug/Kg	95				62	124	
Carbazole	2200	0	2200	ug/Kg	100				59	119	
Di-n-butylphthalate	2200	0	2300	ug/Kg	105				55	125	
Fluoranthene	2200	0	2100	ug/Kg	95				44	125	
Pyrene	2200	0	1900	ug/Kg	86				37	122	
Butylbenzylphthalate	2200	0	2400	ug/Kg	109				44	135	
3,3-Dichlorobenzidine	2200	0	1900	ug/Kg	86				15	112	
Benzo(a)anthracene	2200	0	2100	ug/Kg	95				53	119	
Chrysene	2200	0	2100	ug/Kg	95				57	121	
bis(2-Ethylhexyl)phthalate	2200	120	2300	ug/Kg	99				42	169	
Di-n-octyl phthalate	2200	0	2800	ug/Kg	127				51	156	
Benzo(b)fluoranthene	2200	0	2100	ug/Kg	95				52	117	
Benzo(k)fluoranthene	2200	0	2100	ug/Kg	95				57	134	
Benzo(a)pyrene	2200	0	2200	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	2200	0	2200	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	2200	0	2200	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	2200	0	2200	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	2200	0	2000	ug/Kg	91				52	134	
1,4-Dioxane	2200	0	1900	ug/Kg	86				46	112	
2,3,4,6-Tetrachlorophenol	2200	0	2600	ug/Kg	118				24	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026062.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: Q3495-02MSD		Client Sample ID: SB-1025-2MSD									
Benzaldehyde	2200	0	1800	ug/Kg	82		10		10	171	20
Phenol	2200	0	1900	ug/Kg	86		10		51	122	20
bis(2-Chloroethyl)ether	2200	0	1800	ug/Kg	82		10		54	125	20
2-Chlorophenol	2200	0	2000	ug/Kg	91		9		51	121	20
2-Methylphenol	2200	0	1900	ug/Kg	86		10		47	125	20
2,2-oxybis(1-Chloropropane)	2200	0	1700	ug/Kg	77		6		46	119	20
Acetophenone	2200	0	1900	ug/Kg	86		6		55	128	20
3+4-Methylphenols	2200	0	1900	ug/Kg	86		10		49	125	20
N-Nitroso-di-n-propylamine	2200	0	1800	ug/Kg	82		10		59	119	20
Hexachloroethane	2200	0	1900	ug/Kg	86		10		51	116	20
Nitrobenzene	2200	0	1900	ug/Kg	86		10		47	124	20
Isophorone	2200	0	1900	ug/Kg	86		6		49	127	20
2-Nitrophenol	2200	0	2700	ug/Kg	123		3		43	131	20
2,4-Dimethylphenol	2200	0	2200	ug/Kg	100		9		63	151	20
bis(2-Chloroethoxy)methane	2200	0	1900	ug/Kg	86		6		51	119	20
2,4-Dichlorophenol	2200	0	2100	ug/Kg	95		5		50	122	20
Naphthalene	2200	0	1900	ug/Kg	86		6		51	121	20
4-Chloroaniline	2200	0	810	ug/Kg	37		8		10	100	20
Hexachlorobutadiene	2200	0	1900	ug/Kg	86		6		44	126	20
Caprolactam	2200	0	2100	ug/Kg	95		5		51	134	20
4-Chloro-3-methylphenol	2200	0	2100	ug/Kg	95		5		57	132	20
2-Methylnaphthalene	2200	0	1700	ug/Kg	77		6		59	123	20
Hexachlorocyclopentadiene	4400	0	5800	ug/Kg	132		8		10	175	20
2,4,6-Trichlorophenol	2200	0	2300	ug/Kg	105		4		33	141	20
2,4,5-Trichlorophenol	2200	0	2100	ug/Kg	95		10		38	135	20
1,1-Biphenyl	2200	0	1900	ug/Kg	86		6		55	131	20
2-Chloronaphthalene	2200	0	1900	ug/Kg	86		6		48	124	20
2-Nitroaniline	2200	0	2100	ug/Kg	95		5		47	134	20
Dimethylphthalate	2200	0	1900	ug/Kg	86		10		54	120	20
Acenaphthylene	2200	0	2200	ug/Kg	100		5		57	125	20
2,6-Dinitrotoluene	2200	0	2200	ug/Kg	100		5		48	127	20
3-Nitroaniline	2200	0	1300	ug/Kg	59		8		10	112	20
Acenaphthene	2200	0	1800	ug/Kg	82		5		70	121	20
2,4-Dinitrophenol	4400	0	4400	ug/Kg	100		5		10	155	20
4-Nitrophenol	4400	0	4300	ug/Kg	98		9		10	175	20
Dibenzofuran	2200	0	1900	ug/Kg	86		6		52	114	20
2,4-Dinitrotoluene	2200	0	2100	ug/Kg	95		5		41	140	20
Diethylphthalate	2200	0	2000	ug/Kg	91		4		51	119	20
4-Chlorophenyl-phenylether	2200	0	1900	ug/Kg	86		6		48	122	20
Fluorene	2200	0	1900	ug/Kg	86		6		53	118	20
4-Nitroaniline	2200	0	2100	ug/Kg	95		10		29	140	20
4,6-Dinitro-2-methylphenol	2200	0	2500	ug/Kg	114		3		10	160	20
N-Nitrosodiphenylamine	2200	0	1900	ug/Kg	86		10		73	118	20
4-Bromophenyl-phenylether	2200	0	1900	ug/Kg	86		10		65	121	20
Hexachlorobenzene	2200	0	1900	ug/Kg	86		10		67	118	20
Atrazine	2200	0	2200	ug/Kg	100		9		45	175	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: SW8270E

Client: Remington & Vernick Engineers

DataFile: BP026062.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	4400	0	4500	ug/Kg	102		11		13	153	20
Phenanthrene	2200	0	1900	ug/Kg	86		6		52	128	20
Anthracene	2200	0	1900	ug/Kg	86		10		62	124	20
Carbazole	2200	0	1900	ug/Kg	86		15		59	119	20
Di-n-butylphthalate	2200	0	2100	ug/Kg	95		10		55	125	20
Fluoranthene	2200	0	1900	ug/Kg	86		10		44	125	20
Pyrene	2200	0	2000	ug/Kg	91		6		37	122	20
Butylbenzylphthalate	2200	0	2300	ug/Kg	105		4		44	135	20
3,3-Dichlorobenzidine	2200	0	1600	ug/Kg	73		16		15	112	20
Benzo(a)anthracene	2200	0	1900	ug/Kg	86		10		53	119	20
Chrysene	2200	0	1900	ug/Kg	86		10		57	121	20
bis(2-Ethylhexyl)phthalate	2200	120	2100	ug/Kg	90		10		42	169	20
Di-n-octyl phthalate	2200	0	2500	ug/Kg	114		11		51	156	20
Benzo(b)fluoranthene	2200	0	1900	ug/Kg	86		10		52	117	20
Benzo(k)fluoranthene	2200	0	1900	ug/Kg	86		10		57	134	20
Benzo(a)pyrene	2200	0	2100	ug/Kg	95		5		70	142	20
Indeno(1,2,3-cd)pyrene	2200	0	2000	ug/Kg	91		9		40	129	20
Dibenz(a,h)anthracene	2200	0	2000	ug/Kg	91		9		43	123	20
Benzo(g,h,i)perylene	2200	0	2100	ug/Kg	95		5		24	125	20
1,2,4,5-Tetrachlorobenzene	2200	0	1800	ug/Kg	82		10		52	134	20
1,4-Dioxane	2200	0	1600	ug/Kg	73		16		46	112	20
2,3,4,6-Tetrachlorophenol	2200	0	2400	ug/Kg	109		8		24	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method:

8270E

Client: Remington & Vernick Engineers

DataFile:

BP026055.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170342BS	Benzaldehyde	1700	980	ug/Kg	58				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1500	ug/Kg	88				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	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: 8270E

Client: Remington & Vernick Engineers

DataFile: BP026055.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170342BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1500	ug/Kg	88				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method:

8270E

Client: Remington & Vernick Engineers

DataFile:

BP026057.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB170346BS	Benzaldehyde	50	31.5	ug/L	63				10	162	
	Phenol	50	41.9	ug/L	84				66	118	
	bis(2-Chloroethyl)ether	50	39.3	ug/L	79				62	103	
	2-Chlorophenol	50	42.8	ug/L	86				70	117	
	2-Methylphenol	50	42.7	ug/L	85				69	109	
	2,2-oxybis(1-Chloropropane)	50	39.2	ug/L	78				65	100	
	Acetophenone	50	45.3	ug/L	91				60	104	
	3+4-Methylphenols	50	41.8	ug/L	84				67	106	
	N-Nitroso-di-n-propylamine	50	40.4	ug/L	81				57	107	
	Hexachloroethane	50	39.8	ug/L	80				76	118	
	Nitrobenzene	50	42.1	ug/L	84				58	106	
	Isophorone	50	41.2	ug/L	82				61	102	
	2-Nitrophenol	50	46.6	ug/L	93				70	115	
	2,4-Dimethylphenol	50	47.9	ug/L	96				42	142	
	bis(2-Chloroethoxy)methane	50	41.5	ug/L	83				58	109	
	2,4-Dichlorophenol	50	44.5	ug/L	89				66	115	
	Naphthalene	50	40.0	ug/L	80				64	107	
	4-Chloroaniline	50	26.1	ug/L	52				10	85	
	Hexachlorobutadiene	50	39.5	ug/L	79				69	101	
	Caprolactam	50	42.6	ug/L	85				58	128	
	4-Chloro-3-methylphenol	50	45.1	ug/L	90				65	114	
	2-Methylnaphthalene	50	36.6	ug/L	73				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	46.0	ug/L	92				61	110	
	2,4,5-Trichlorophenol	50	45.3	ug/L	91				70	106	
	1,1-Biphenyl	50	45.1	ug/L	90				72	98	
	2-Chloronaphthalene	50	40.1	ug/L	80				59	106	
	2-Nitroaniline	50	43.1	ug/L	86				73	114	
	Dimethylphthalate	50	42.3	ug/L	85				64	103	
	Acenaphthylene	50	47.6	ug/L	95				79	103	
	2,6-Dinitrotoluene	50	46.9	ug/L	94				64	110	
	3-Nitroaniline	50	33.5	ug/L	67				28	100	
	Acenaphthene	50	44.6	ug/L	89				59	113	
	2,4-Dinitrophenol	100	89.4	ug/L	89				36	166	
	4-Nitrophenol	100	86.1	ug/L	86				45	147	
	Dibenzofuran	50	41.0	ug/L	82				65	106	
	2,4-Dinitrotoluene	50	45.6	ug/L	91				60	115	
	Diethylphthalate	50	42.3	ug/L	85				63	105	
	4-Chlorophenyl-phenylether	50	40.1	ug/L	80				61	104	
	Fluorene	50	41.1	ug/L	82				64	107	
	4-Nitroaniline	50	46.1	ug/L	92				55	125	
	4,6-Dinitro-2-methylphenol	50	50.3	ug/L	101				62	132	
	N-Nitrosodiphenylamine	50	43.5	ug/L	87				61	109	
	4-Bromophenyl-phenylether	50	42.6	ug/L	85				73	103	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: 8270E

Client: Remington & Vernick Engineers

DataFile: BP026057.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170346BS	Hexachlorobenzene	50	41.5	ug/L	83				73	106	
	Atrazine	50	46.3	ug/L	93				76	120	
	Pentachlorophenol	100	90.1	ug/L	90				47	114	
	Phenanthrene	50	41.4	ug/L	83				62	109	
	Anthracene	50	42.7	ug/L	85				65	110	
	Carbazole	50	43.3	ug/L	87				62	106	
	Di-n-butylphthalate	50	44.2	ug/L	88				64	106	
	Fluoranthene	50	41.4	ug/L	83				64	110	
	Pyrene	50	42.2	ug/L	84				71	103	
	Butylbenzylphthalate	50	45.0	ug/L	90				61	105	
	3,3-Dichlorobenzidine	50	33.1	ug/L	66				43	108	
	Benzo(a)anthracene	50	42.1	ug/L	84				62	107	
	Chrysene	50	41.3	ug/L	83				61	108	
	bis(2-Ethylhexyl)phthalate	50	42.6	ug/L	85				59	110	
	Di-n-octyl phthalate	50	48.0	ug/L	96				52	139	
	Benzo(b)fluoranthene	50	43.6	ug/L	87				77	113	
	Benzo(k)fluoranthene	50	43.6	ug/L	87				77	105	
	Benzo(a)pyrene	50	45.8	ug/L	92				72	131	
	Indeno(1,2,3-cd)pyrene	50	44.0	ug/L	88				72	105	
	Dibenz(a,h)anthracene	50	44.6	ug/L	89				78	115	
	Benzo(g,h,i)perylene	50	45.2	ug/L	90				75	118	
	1,2,4,5-Tetrachlorobenzene	50	43.1	ug/L	86				72	101	
	1,4-Dioxane	50	33.2	ug/L	66				38	125	
	2,3,4,6-Tetrachlorophenol	50	48.6	ug/L	97				63	116	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method:

8270E

Client: Remington & Vernick Engineers

DataFile:

BP026058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170346BSD	Benzaldehyde	50	31.6	ug/L	63	0			10	162	20
	Phenol	50	42.8	ug/L	86	2			66	118	20
	bis(2-Chloroethyl)ether	50	39.6	ug/L	79	1			62	103	20
	2-Chlorophenol	50	44.1	ug/L	88	3			70	117	20
	2-Methylphenol	50	44.1	ug/L	88	3			69	109	20
	2,2-oxybis(1-Chloropropane)	50	40.0	ug/L	80	2			65	100	20
	Acetophenone	50	44.9	ug/L	90	1			60	104	20
	3+4-Methylphenols	50	43.3	ug/L	87	4			67	106	20
	N-Nitroso-di-n-propylamine	50	42.1	ug/L	84	4			57	107	20
	Hexachloroethane	50	41.1	ug/L	82	3			76	118	20
	Nitrobenzene	50	42.5	ug/L	85	1			58	106	20
	Isophorone	50	41.5	ug/L	83	1			61	102	20
	2-Nitrophenol	50	49.3	ug/L	99	6			70	115	20
	2,4-Dimethylphenol	50	48.0	ug/L	96	0			42	142	20
	bis(2-Chloroethoxy)methane	50	41.9	ug/L	84	1			58	109	20
	2,4-Dichlorophenol	50	45.0	ug/L	90	1			66	115	20
	Naphthalene	50	40.3	ug/L	81	1			64	107	20
	4-Chloroaniline	50	25.1	ug/L	50	4			10	85	20
	Hexachlorobutadiene	50	39.7	ug/L	79	1			69	101	20
	Caprolactam	50	43.5	ug/L	87	2			58	128	20
	4-Chloro-3-methylphenol	50	45.8	ug/L	92	2			65	114	20
	2-Methylnaphthalene	50	37.4	ug/L	75	2			64	107	20
	Hexachlorocyclopentadiene	100	120	ug/L	120	9			36	160	20
	2,4,6-Trichlorophenol	50	46.7	ug/L	93	2			61	110	20
	2,4,5-Trichlorophenol	50	46.0	ug/L	92	2			70	106	20
	1,1-Biphenyl	50	45.4	ug/L	91	1			72	98	20
	2-Chloronaphthalene	50	40.6	ug/L	81	1			59	106	20
	2-Nitroaniline	50	44.1	ug/L	88	2			73	114	20
	Dimethylphthalate	50	42.9	ug/L	86	1			64	103	20
	Acenaphthylene	50	47.2	ug/L	94	1			79	103	20
	2,6-Dinitrotoluene	50	47.3	ug/L	95	1			64	110	20
	3-Nitroaniline	50	33.4	ug/L	67	0			28	100	20
	Acenaphthene	50	39.6	ug/L	79	12			59	113	20
	2,4-Dinitrophenol	100	90.8	ug/L	91	2			36	166	20
	4-Nitrophenol	100	87.5	ug/L	88	2			45	147	20
	Dibenzofuran	50	40.3	ug/L	81	2			65	106	20
	2,4-Dinitrotoluene	50	46.2	ug/L	92	1			60	115	20
	Diethylphthalate	50	43.1	ug/L	86	2			63	105	20
	4-Chlorophenyl-phenylether	50	39.6	ug/L	79	1			61	104	20
	Fluorene	50	40.9	ug/L	82	0			64	107	20
	4-Nitroaniline	50	44.9	ug/L	90	3			55	125	20
	4,6-Dinitro-2-methylphenol	50	50.6	ug/L	101	1			62	132	20
	N-Nitrosodiphenylamine	50	43.3	ug/L	87	0			61	109	20
	4-Bromophenyl-phenylether	50	42.0	ug/L	84	1			73	103	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495

Analytical Method: 8270E

Client: Remington & Vernick Engineers

DataFile: BP026058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170346BSD	Hexachlorobenzene	50	41.0	ug/L	82	1			73	106	20
	Atrazine	50	46.9	ug/L	94	1			76	120	20
	Pentachlorophenol	100	90.6	ug/L	91	1			47	114	20
	Phenanthrene	50	40.5	ug/L	81	2			62	109	20
	Anthracene	50	42.3	ug/L	85	1			65	110	20
	Carbazole	50	42.4	ug/L	85	2			62	106	20
	Di-n-butylphthalate	50	44.5	ug/L	89	1			64	106	20
	Fluoranthene	50	41.0	ug/L	82	1			64	110	20
	Pyrene	50	42.8	ug/L	86	1			71	103	20
	Butylbenzylphthalate	50	46.8	ug/L	94	4			61	105	20
	3,3-Dichlorobenzidine	50	34.8	ug/L	70	5			43	108	20
	Benzo(a)anthracene	50	42.2	ug/L	84	0			62	107	20
	Chrysene	50	42.1	ug/L	84	2			61	108	20
	bis(2-Ethylhexyl)phthalate	50	46.0	ug/L	92	8			59	110	20
	Di-n-octyl phthalate	50	51.0	ug/L	102	6			52	139	20
	Benzo(b)fluoranthene	50	43.8	ug/L	88	0			77	113	20
	Benzo(k)fluoranthene	50	44.1	ug/L	88	1			77	105	20
	Benzo(a)pyrene	50	46.2	ug/L	92	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	44.4	ug/L	89	1			72	105	20
	Dibenz(a,h)anthracene	50	45.0	ug/L	90	1			78	115	20
	Benzo(g,h,i)perylene	50	45.8	ug/L	92	1			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	43.6	ug/L	87	1			72	101	20
	1,4-Dioxane	50	32.4	ug/L	65	2			38	125	20
	2,3,4,6-Tetrachlorophenol	50	49.2	ug/L	98	1			63	116	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170342BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: BP026054.D

Lab Sample ID: PB170342BL

Instrument ID: BNA_P

Date Extracted: 10/31/2025

Matrix: (soil/water) SOIL

Date Analyzed: 11/03/2025

Level: (low/med) LOW

Time Analyzed: 11:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170342BS	PB170342BS	BP026055.D	11/03/2025
SB-1025-2	Q3495-02	BP026060.D	11/03/2025
SB-1025-2MS	Q3495-02MS	BP026061.D	11/03/2025
SB-1025-2MSD	Q3495-02MSD	BP026062.D	11/03/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170346BL

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: BP026056.D

Lab Sample ID: PB170346BL

Instrument ID: BNA_P

Date Extracted: 10/31/2025

Matrix: (soil/water) Water

Date Analyzed: 11/03/2025

Level: (low/med) LOW

Time Analyzed: 13:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170346BS	PB170346BS	BP026057.D	11/03/2025
PB170346BSD	PB170346BSD	BP026058.D	11/03/2025
TW-1025-1	Q3495-03	BG064662.D	10/31/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: REMI02
SDG NO.: Q3495
DFTPP Injection Date: 10/24/2025
DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064653.D
Instrument ID: BNA_G

Contract: REMI02
SDG NO.: Q3495
DFTPP Injection Date: 10/31/2025
DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 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	7.2
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	81
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20 (20.1) 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	BG064654.D	10/31/2025	13:24
TW-1025-1	Q3495-03	BG064662.D	10/31/2025	18:57



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BP026027.D
Instrument ID: BNA_P

Contract: REMI02
SDG NO.: Q3495
DFTPP Injection Date: 10/29/2025
DFTPP Injection Time: 08:45

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	100
70	Less than 2.0% of mass 69	0.1 (0.4) 1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	79.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.4 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP026028.D	10/29/2025	09:26
SSTDICC005	SSTDICC005	BP026029.D	10/29/2025	10:07
SSTDICC010	SSTDICC010	BP026030.D	10/29/2025	10:48
SSTDICC020	SSTDICC020	BP026031.D	10/29/2025	11:29
SSTDICCC040	SSTDICCC040	BP026032.D	10/29/2025	12:10
SSTDICC050	SSTDICC050	BP026033.D	10/29/2025	12:51
SSTDICC060	SSTDICC060	BP026034.D	10/29/2025	13:32
SSTDICC080	SSTDICC080	BP026035.D	10/29/2025	14:13



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: BP026052.D
Instrument ID: BNA_P

Contract: REMI02
SDG NO.: Q3495
DFTPP Injection Date: 11/03/2025
DFTPP Injection Time: 10:08

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	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	80.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.1 (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
SSTDCCC040	SSTDCCC040	BP026053.D	11/03/2025	11:06
PB170342BL	PB170342BL	BP026054.D	11/03/2025	11:47
PB170342BS	PB170342BS	BP026055.D	11/03/2025	12:29
PB170346BL	PB170346BL	BP026056.D	11/03/2025	13:21
PB170346BS	PB170346BS	BP026057.D	11/03/2025	14:03
PB170346BSD	PB170346BSD	BP026058.D	11/03/2025	14:44
SB-1025-2	Q3495-02	BP026060.D	11/03/2025	16:13
SB-1025-2MS	Q3495-02MS	BP026061.D	11/03/2025	16:54
SB-1025-2MSD	Q3495-02MSD	BP026062.D	11/03/2025	17:35

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3495

Client ID : SSTDCCC040

Date Analyzed: 10/31/2025

Lab File ID: BG064654.D

Time Analyzed: 13:24

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	29760	8.216	121809	11.04	99146	14.84
UPPER LIMIT	59520	8.716	243618	11.542	198292	15.338
LOWER LIMIT	14880	7.716	60904.5	10.542	49573	14.338
EPA SAMPLE NO.						
01 TW-1025-1	37784	8.22	154992	11.04	121331	14.84

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.: Q3495

Client ID: SSTDCCC040

Date Analyzed: 10/31/2025

Lab File ID: BG064654.D

Time Analyzed: 13:24

Instrument ID: BNA_G

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

01

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	255812	17.576	303338	21.853	334065	25.196
UPPER LIMIT	511624	18.076	606676	22.353	668130	25.696
LOWER LIMIT	127906	17.076	151669	21.353	167033	24.696
EPA SAMPLE NO.						
TW-1025-1	273070	17.58	293377	21.85	322218	25.20

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.: Q3495

Client ID : SSTDCCC040

Date Analyzed: 11/03/2025

Lab File ID: BP026053.D

Time Analyzed: 11:06

Instrument ID: BNA_P

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	297452	7.649	1230690	10.43	771148	14.30
UPPER LIMIT	594904	8.149	2461380	10.925	1542300	14.801
LOWER LIMIT	148726	7.149	615345	9.925	385574	13.801
EPA SAMPLE NO.						
01 PB170342BL	336600	7.68	1298620	10.45	793578	14.31
02 PB170342BS	329449	7.68	1315440	10.45	832110	14.32
03 PB170346BL	300167	7.65	1149840	10.43	696390	14.31
04 PB170346BS	413469	7.68	1637380	10.45	1028880	14.31
05 PB170346BSD	395071	7.68	1598020	10.45	1009230	14.31
06 SB-1025-2	335609	7.68	1339600	10.46	820932	14.33
07 SB-1025-2MS	230344	7.68	913499	10.45	573692	14.32
08 SB-1025-2MSD	345956	7.68	1339140	10.45	838184	14.32

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.: Q3495

Client ID: SSTDCCC040

Date Analyzed: 11/03/2025

Lab File ID: BP026053.D

Time Analyzed: 11:06

Instrument ID: BNA_P

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1552560	17.125	1613820	21.572	1763250	24.877
	UPPER LIMIT	3105120	17.625	3227640	22.072	3526500	25.377
	LOWER LIMIT	776280	16.625	806910	21.072	881625	24.377
	EPA SAMPLE NO.						
01	PB170342BL	1683390	17.12	1852670	21.56	2010350	24.88
02	PB170342BS	1709090	17.12	1770070	21.57	1828890	24.88
03	PB170346BL	1482450	17.11	1619680	21.58	1773680	24.90
04	PB170346BS	2027300	17.13	2076510	21.57	2253080	24.90
05	PB170346BSD	2008990	17.12	2004620	21.58	2129530	24.90
06	SB-1025-2	1674460	17.13	1797770	21.57	2045800	24.90
07	SB-1025-2MS	1154140	17.13	1320580	21.58	1554010	24.89
08	SB-1025-2MSD	1700830	17.13	1741310	21.58	1964580	24.90

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: Remington & Vernick Engineers	Date Collected: 10/27/25	
Project: Maclearie Park	Date Received: 10/29/25	
Client Sample ID: SB-1025-2	SDG No.: Q3495	
Lab Sample ID: Q3495-02	Matrix: SOIL	
Analytical Method: 8270E	% Solid: 75.1	
Sample Wt/Vol: 30.09 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

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	11/03/25 16:13	PB170342
108-95-2	Phenol	29.3	U	1	29.3	230	ug/Kg	11/03/25 16:13	PB170342
111-44-4	bis(2-Chloroethyl)ether	32.3	U	1	32.3	230	ug/Kg	11/03/25 16:13	PB170342
95-57-8	2-Chlorophenol	32.4	U	1	32.4	230	ug/Kg	11/03/25 16:13	PB170342
95-48-7	2-Methylphenol	39.7	U	1	39.7	230	ug/Kg	11/03/25 16:13	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	49.8	U	1	49.8	230	ug/Kg	11/03/25 16:13	PB170342
98-86-2	Acetophenone	39.2	U	1	39.2	230	ug/Kg	11/03/25 16:13	PB170342
65794-96-9	3+4-Methylphenols	54.6	U	1	54.6	440	ug/Kg	11/03/25 16:13	PB170342
621-64-7	n-Nitroso-di-n-propylamine	62.9	U	1	62.9	110	ug/Kg	11/03/25 16:13	PB170342
67-72-1	Hexachloroethane	23.4	U	1	23.4	230	ug/Kg	11/03/25 16:13	PB170342
98-95-3	Nitrobenzene	24.3	U	1	24.3	230	ug/Kg	11/03/25 16:13	PB170342
78-59-1	Isophorone	43.5	U	1	43.5	230	ug/Kg	11/03/25 16:13	PB170342
88-75-5	2-Nitrophenol	77.3	U	1	77.3	230	ug/Kg	11/03/25 16:13	PB170342
105-67-9	2,4-Dimethylphenol	86.0	U	1	86.0	230	ug/Kg	11/03/25 16:13	PB170342
111-91-1	bis(2-Chloroethoxy)methane	40.9	U	1	40.9	230	ug/Kg	11/03/25 16:13	PB170342
120-83-2	2,4-Dichlorophenol	37.6	U	1	37.6	230	ug/Kg	11/03/25 16:13	PB170342
91-20-3	Naphthalene	30.1	U	1	30.1	230	ug/Kg	11/03/25 16:13	PB170342
106-47-8	4-Chloroaniline	47.0	U	1	47.0	230	ug/Kg	11/03/25 16:13	PB170342
87-68-3	Hexachlorobutadiene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
105-60-2	Caprolactam	69.2	U	1	69.2	440	ug/Kg	11/03/25 16:13	PB170342
59-50-7	4-Chloro-3-methylphenol	38.1	U	1	38.1	230	ug/Kg	11/03/25 16:13	PB170342
91-57-6	2-Methylnaphthalene	34.0	U	1	34.0	230	ug/Kg	11/03/25 16:13	PB170342
77-47-4	Hexachlorocyclopentadiene	150	U	1	150	440	ug/Kg	11/03/25 16:13	PB170342
88-06-2	2,4,6-Trichlorophenol	26.3	U	1	26.3	230	ug/Kg	11/03/25 16:13	PB170342
95-95-4	2,4,5-Trichlorophenol	38.6	U	1	38.6	230	ug/Kg	11/03/25 16:13	PB170342
92-52-4	1,1-Biphenyl	28.9	U	1	28.9	230	ug/Kg	11/03/25 16:13	PB170342
91-58-7	2-Chloronaphthalene	29.9	U	1	29.9	230	ug/Kg	11/03/25 16:13	PB170342
88-74-4	2-Nitroaniline	63.9	U	1	63.9	230	ug/Kg	11/03/25 16:13	PB170342
131-11-3	Dimethylphthalate	36.0	U	1	36.0	230	ug/Kg	11/03/25 16:13	PB170342
208-96-8	Acenaphthylene	38.4	U	1	38.4	230	ug/Kg	11/03/25 16:13	PB170342
606-20-2	2,6-Dinitrotoluene	44.6	U	1	44.6	230	ug/Kg	11/03/25 16:13	PB170342
99-09-2	3-Nitroaniline	61.1	U	1	61.1	230	ug/Kg	11/03/25 16:13	PB170342
83-32-9	Acenaphthene	28.3	U	1	28.3	230	ug/Kg	11/03/25 16:13	PB170342
51-28-5	2,4-Dinitrophenol	300	U	1	300	440	ug/Kg	11/03/25 16:13	PB170342
100-02-7	4-Nitrophenol	140	U	1	140	440	ug/Kg	11/03/25 16:13	PB170342
132-64-9	Dibenzofuran	30.1	U	1	30.1	230	ug/Kg	11/03/25 16:13	PB170342
121-14-2	2,4-Dinitrotoluene	66.5	U	1	66.5	230	ug/Kg	11/03/25 16:13	PB170342
84-66-2	Diethylphthalate	37.6	U	1	37.6	230	ug/Kg	11/03/25 16:13	PB170342
7005-72-3	4-Chlorophenyl-phenylether	35.4	U	1	35.4	230	ug/Kg	11/03/25 16:13	PB170342
86-73-7	Fluorene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
100-01-6	4-Nitroaniline	85.2	U	1	85.2	230	ug/Kg	11/03/25 16:13	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	140	U	1	140	440	ug/Kg	11/03/25 16:13	PB170342

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 10/27/25	
Project: Maclearie Park	Date Received: 10/29/25	
Client Sample ID: SB-1025-2	SDG No.: Q3495	
Lab Sample ID: Q3495-02	Matrix: SOIL	
Analytical Method: 8270E	% Solid: 75.1	
Sample Wt/Vol: 30.09 g	Test: SVOC-TCL BNA -20	
Prep Method : SW3541		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

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	11/03/25 16:13	PB170342
101-55-3	4-Bromophenyl-phenylether	36.9	U	1	36.9	230	ug/Kg	11/03/25 16:13	PB170342
118-74-1	Hexachlorobenzene	33.6	U	1	33.6	230	ug/Kg	11/03/25 16:13	PB170342
1912-24-9	Atrazine	45.1	U	1	45.1	230	ug/Kg	11/03/25 16:13	PB170342
87-86-5	Pentachlorophenol	68.1	U	1	68.1	440	ug/Kg	11/03/25 16:13	PB170342
85-01-8	Phenanthrene	27.7	U	1	27.7	230	ug/Kg	11/03/25 16:13	PB170342
120-12-7	Anthracene	44.2	U	1	44.2	230	ug/Kg	11/03/25 16:13	PB170342
86-74-8	Carbazole	41.4	U	1	41.4	230	ug/Kg	11/03/25 16:13	PB170342
84-74-2	Di-n-butylphthalate	63.6	U	1	63.6	230	ug/Kg	11/03/25 16:13	PB170342
206-44-0	Fluoranthene	39.8	U	1	39.8	230	ug/Kg	11/03/25 16:13	PB170342
129-00-0	Pyrene	47.8	U	1	47.8	230	ug/Kg	11/03/25 16:13	PB170342
85-68-7	Butylbenzylphthalate	94.8	U	1	94.8	230	ug/Kg	11/03/25 16:13	PB170342
91-94-1	3,3-Dichlorobenzidine	48.7	U	1	48.7	440	ug/Kg	11/03/25 16:13	PB170342
56-55-3	Benzo(a)anthracene	30.5	U	1	30.5	230	ug/Kg	11/03/25 16:13	PB170342
218-01-9	Chrysene	26.4	U	1	26.4	230	ug/Kg	11/03/25 16:13	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	1	78.6	230	ug/Kg	11/03/25 16:13	PB170342
117-84-0	Di-n-octyl phthalate	120	U	1	120	440	ug/Kg	11/03/25 16:13	PB170342
205-99-2	Benzo(b)fluoranthene	25.2	U	1	25.2	230	ug/Kg	11/03/25 16:13	PB170342
207-08-9	Benzo(k)fluoranthene	29.7	U	1	29.7	230	ug/Kg	11/03/25 16:13	PB170342
50-32-8	Benzo(a)pyrene	39.2	U	1	39.2	230	ug/Kg	11/03/25 16:13	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	38.6	U	1	38.6	230	ug/Kg	11/03/25 16:13	PB170342
53-70-3	Dibenzo(a,h)anthracene	36.4	U	1	36.4	230	ug/Kg	11/03/25 16:13	PB170342
191-24-2	Benzo(g,h,i)perylene	34.1	U	1	34.1	230	ug/Kg	11/03/25 16:13	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	34.0	U	1	34.0	230	ug/Kg	11/03/25 16:13	PB170342
123-91-1	1,4-Dioxane	60.0	U	1	60.0	230	ug/Kg	11/03/25 16:13	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	36.4	U	1	36.4	230	ug/Kg	11/03/25 16:13	PB170342

SURROGATES

367-12-4	2-Fluorophenol	74.1		18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	74.6		15 - 107	50%	SPK: 150
4165-60-0	Nitrobenzene-d5	50.9		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.6		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	85.3		10 - 116	57%	SPK: 150
1718-51-0	Terphenyl-d14	44.5		10 - 105	44%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	336000
1146-65-2	Naphthalene-d8	1340000
15067-26-2	Acenaphthene-d10	821000
1517-22-2	Phenanthrene-d10	1670000
1719-03-5	Chrysene-d12	1800000
1520-96-3	Perylene-d12	2050000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	320	J	15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	640	J	18.1	ug/Kg



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2		SDG No.:	Q3495
Lab Sample ID:	Q3495-02		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.09 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000057-11-4	Octadecanoic acid	220	J			19.4	ug/Kg		
000080-05-7	Phenol, 4,4-(1-methylethylidene)b	99.6	J			19.7	ug/Kg		
015594-90-8	1-Heneicosanol	170	J			21.3	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_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Quant Time: Nov 03 16:33:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

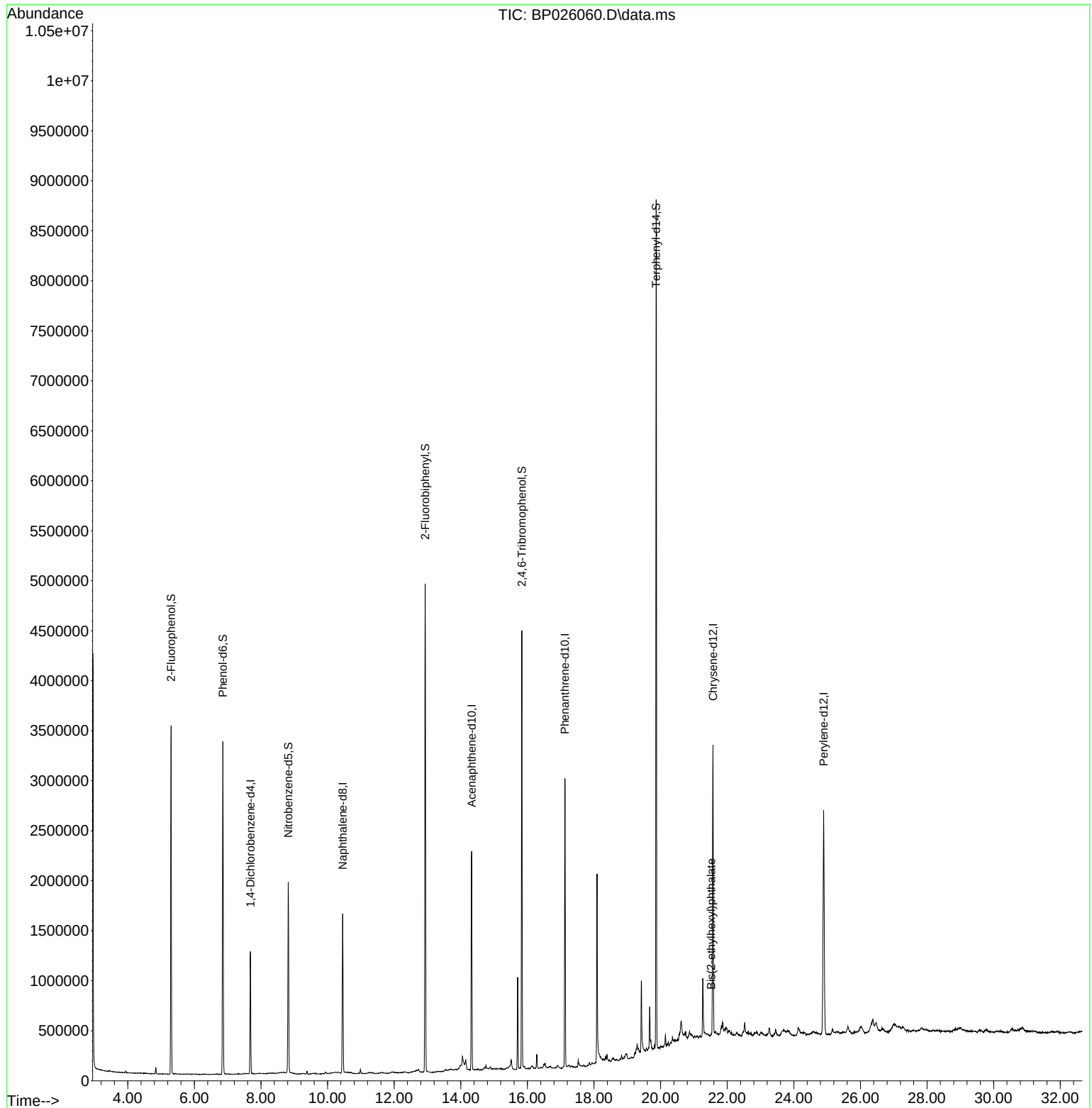
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	335609	20.000	ng	0.00
21) Naphthalene-d8	10.455	136	1339601	20.000	ng	0.00
39) Acenaphthene-d10	14.325	164	820932	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1674460	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1797769	20.000	ng	0.00
86) Perylene-d12	24.895	264	2045798	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	1506944	74.092	ng	0.00
7) Phenol-d6	6.855	99	1931703	74.620	ng	0.00
23) Nitrobenzene-d5	8.819	82	1094006	50.911	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	756973	85.292	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	2550471	44.642	ng	0.00
79) Terphenyl-d14	19.866	244	3935857	44.480	ng	0.00
Target Compounds						
84) Bis(2-ethylhexyl)phtha...	21.519	149	11378	2.746	ng	Qvalue # 84

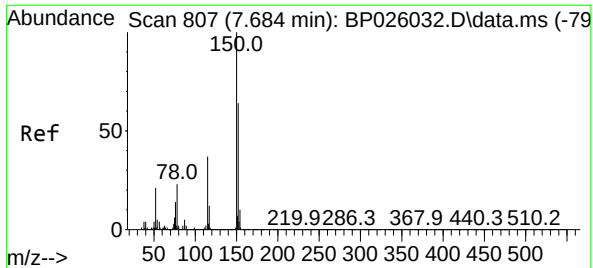
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Quant Time: Nov 03 16:33:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

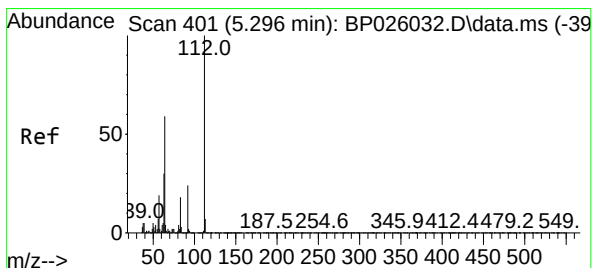
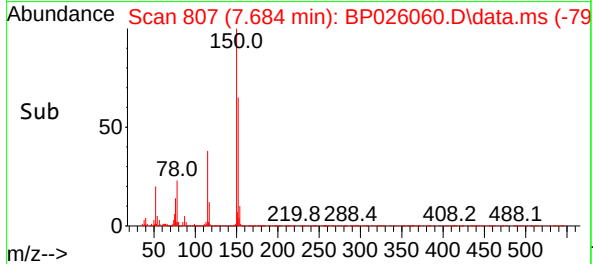
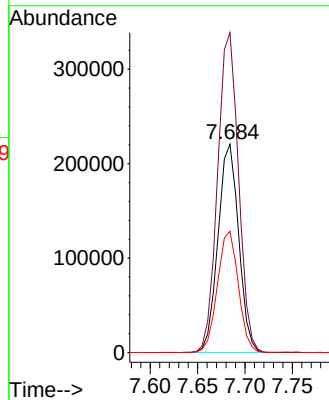
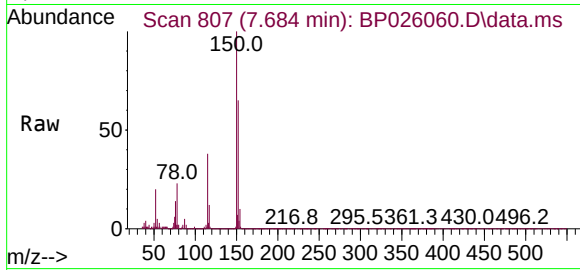




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.006 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

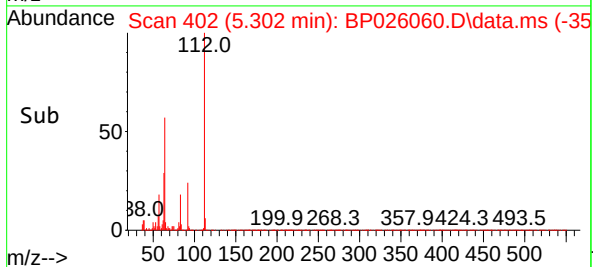
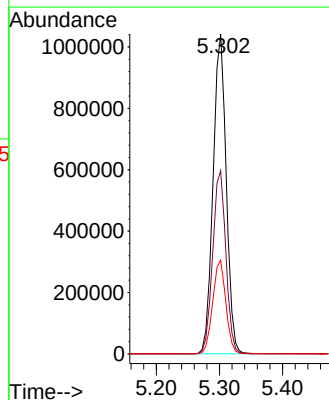
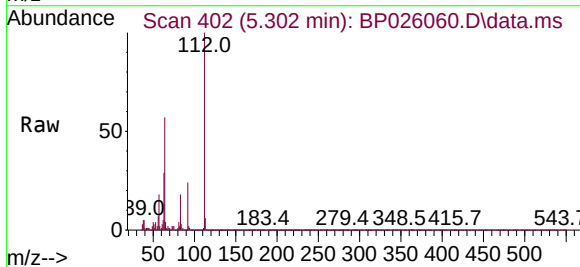
Instrument :
BNA_P
ClientSampleId :
SB-1025-2

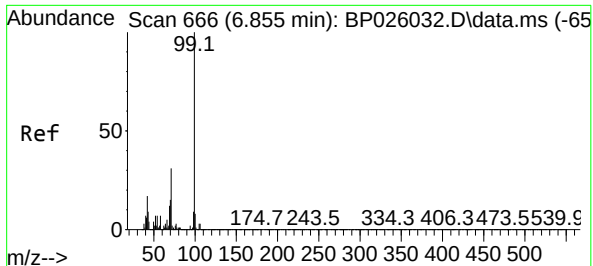
Tgt Ion:152 Resp: 335609
Ion Ratio Lower Upper
152 100
150 153.6 125.7 188.5
115 58.3 46.4 69.6



#5
2-Fluorophenol
Concen: 74.092 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

Tgt Ion:112 Resp: 1506944
Ion Ratio Lower Upper
112 100
64 57.2 47.4 71.2
63 29.3 24.2 36.4

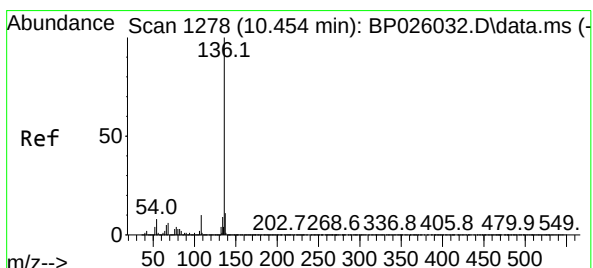
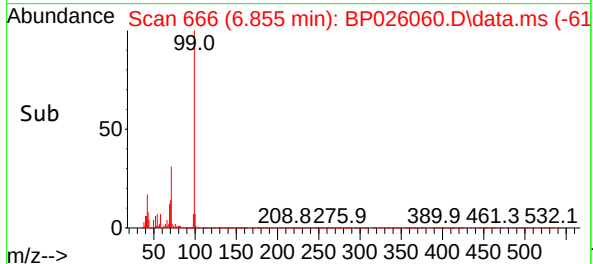
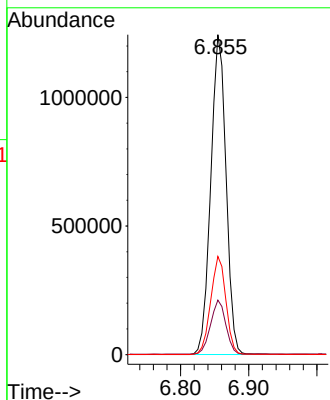
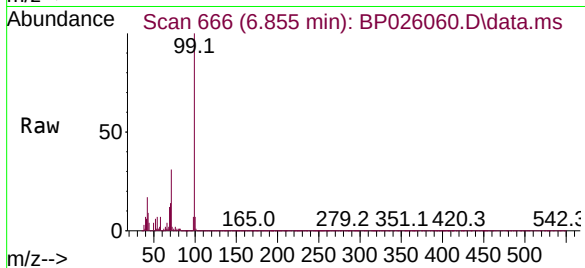




#7
Phenol-d6
Concen: 74.620 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.000 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

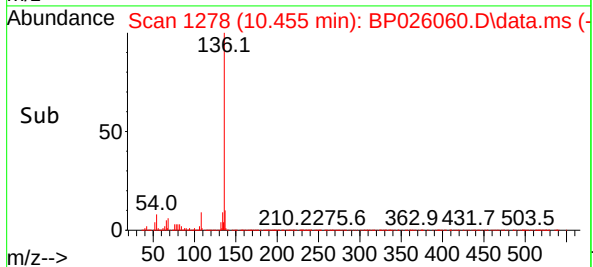
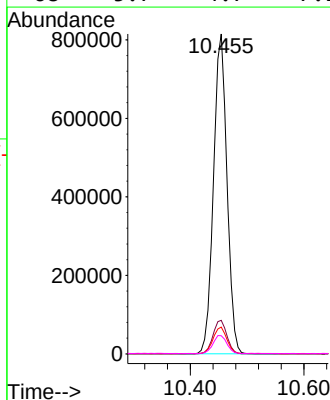
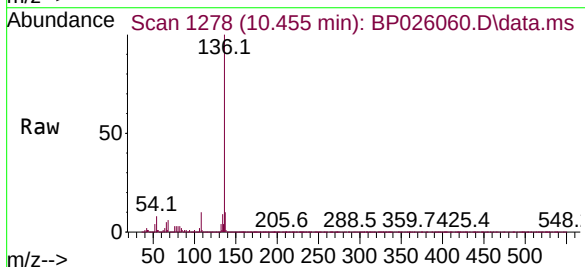
Instrument :
BNA_P
ClientSampleId :
SB-1025-2

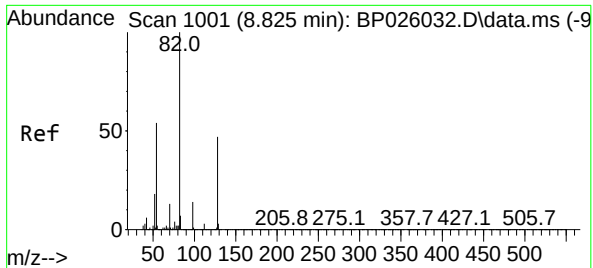
Tgt Ion: 99 Resp: 1931703
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 30.7 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.455 min Scan# 1278
Delta R.T. 0.001 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

Tgt Ion: 136 Resp: 1339601
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.4 6.6 10.0
68 5.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 50.911 ng

RT: 8.819 min Scan# 1000

Delta R.T. -0.006 min

Lab File: BP026060.D

Acq: 03 Nov 2025 16:13

Instrument :

BNA_P

ClientSampleId :

SB-1025-2

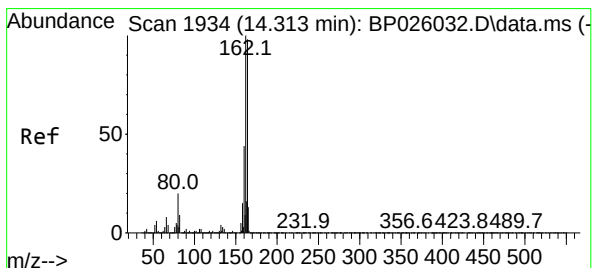
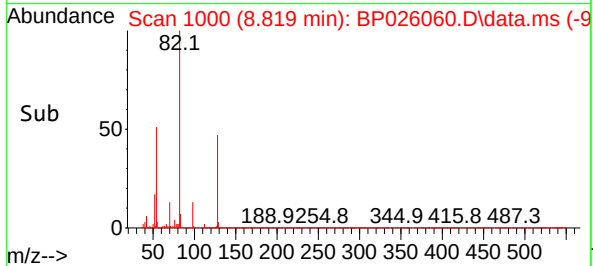
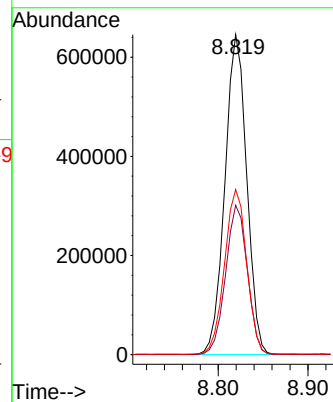
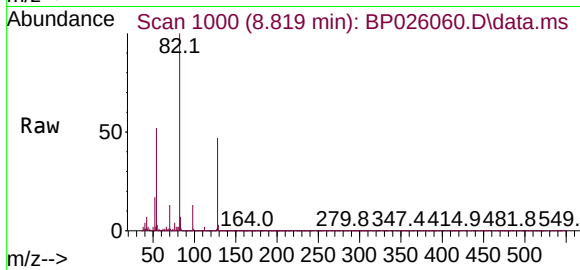
Tgt Ion: 82 Resp: 1094006

Ion Ratio Lower Upper

82 100

128 46.7 37.4 56.0

54 51.6 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.325 min Scan# 1936

Delta R.T. 0.006 min

Lab File: BP026060.D

Acq: 03 Nov 2025 16:13

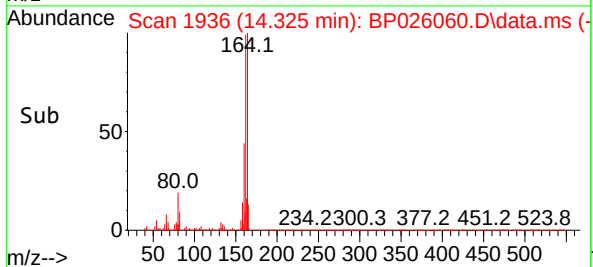
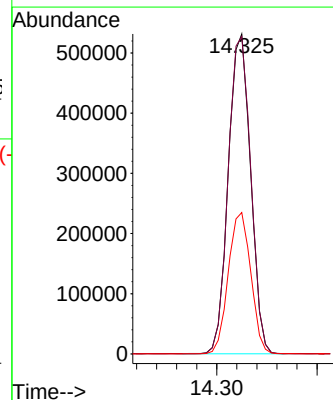
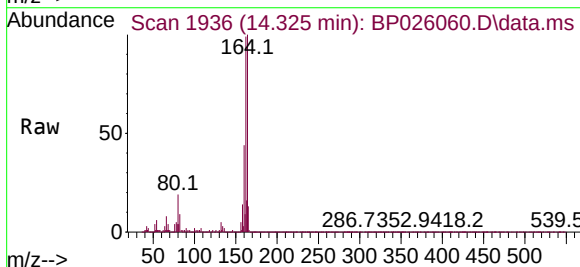
Tgt Ion: 164 Resp: 820932

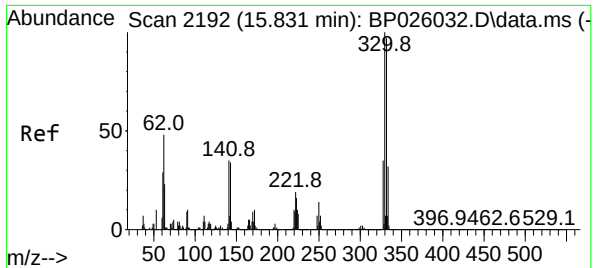
Ion Ratio Lower Upper

164 100

162 99.2 81.5 122.3

160 44.2 36.2 54.4

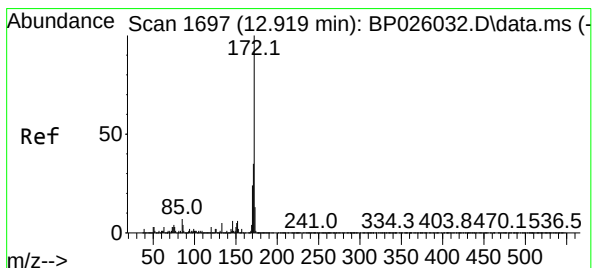
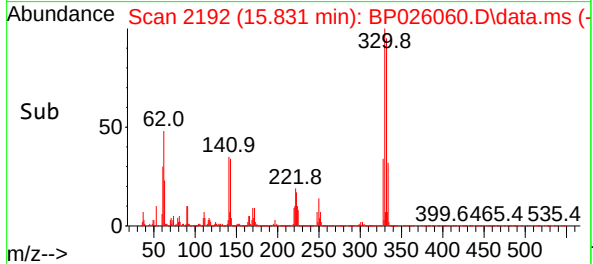
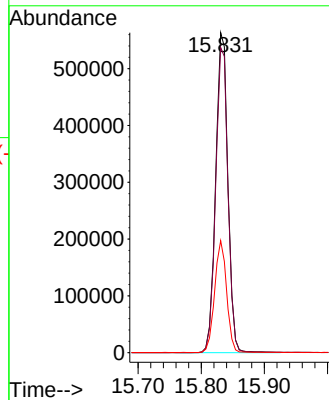
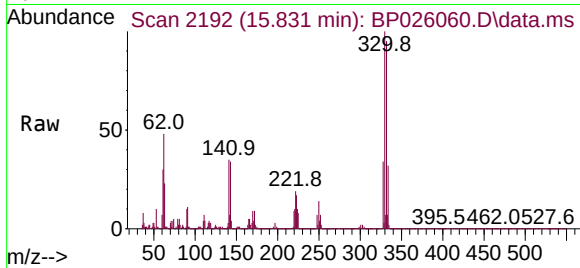




#42
2,4,6-Tribromophenol
Concen: 85.292 ng
RT: 15.831 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

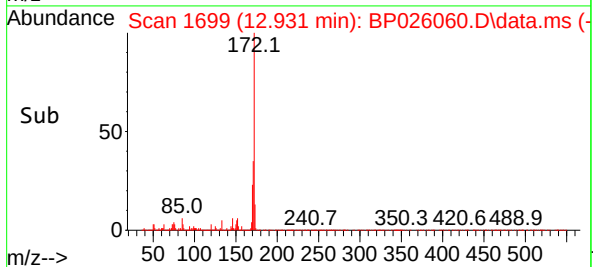
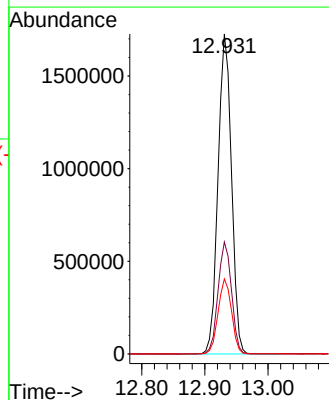
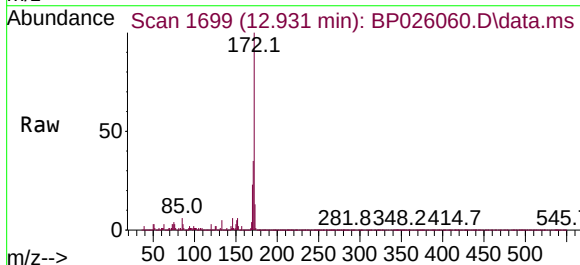
Instrument :
BNA_P
ClientSampleId :
SB-1025-2

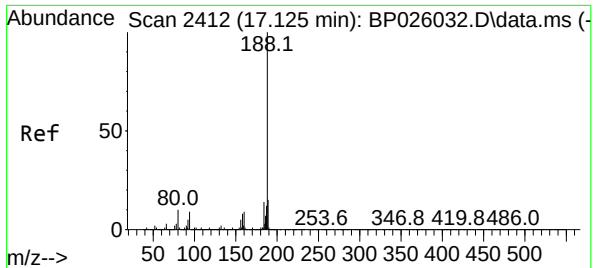
Tgt Ion:330 Resp: 756973
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 34.4 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 44.642 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

Tgt Ion:172 Resp: 2550471
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.4 19.0 28.4

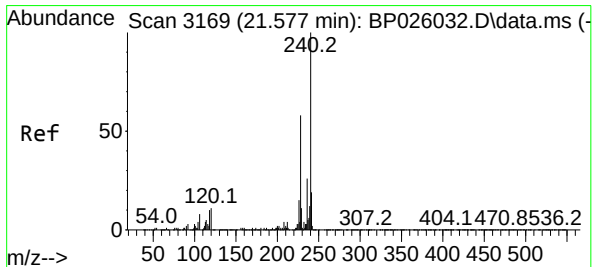
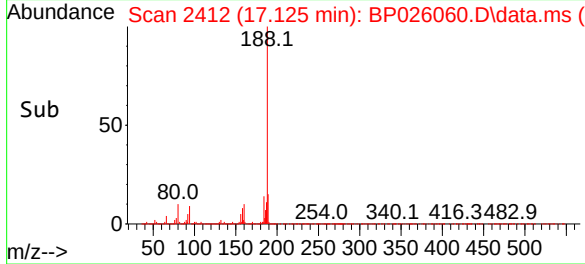
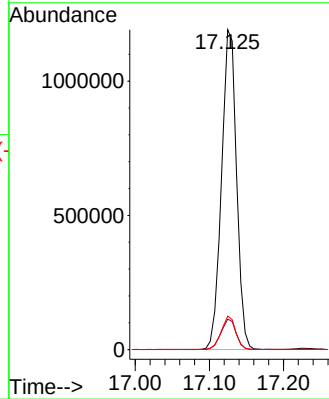
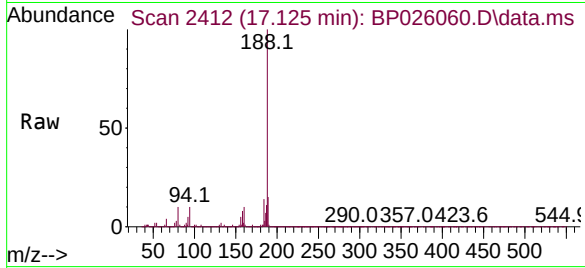




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

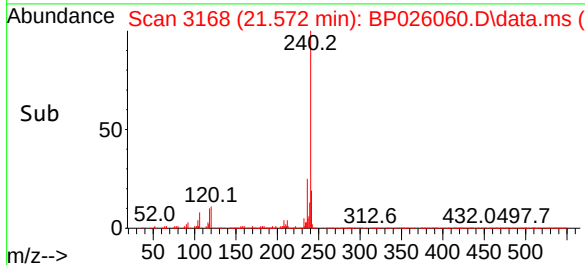
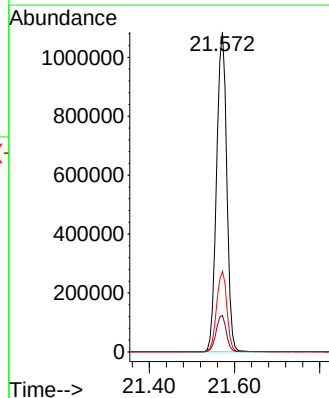
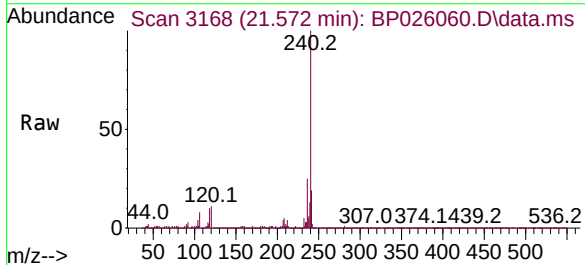
Instrument :
BNA_P
ClientSampleId :
SB-1025-2

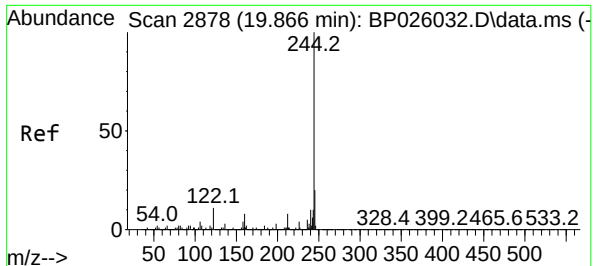
Tgt Ion:188 Resp: 1674460
Ion Ratio Lower Upper
188 100
94 9.5 7.1 10.7
80 10.5 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BP026060.D
Acq: 03 Nov 2025 16:13

Tgt Ion:240 Resp: 1797769
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.2 20.6 31.0

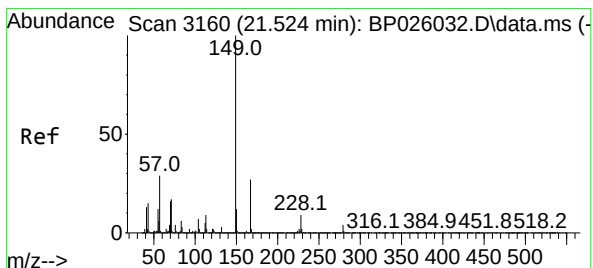
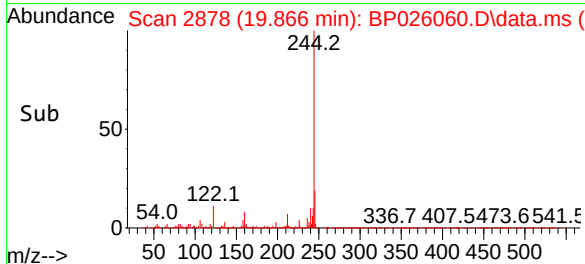
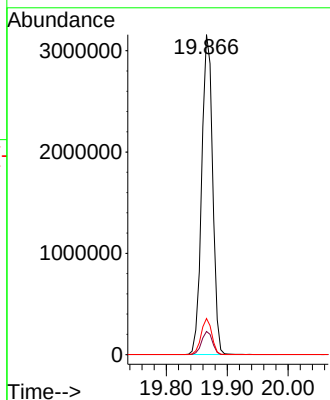
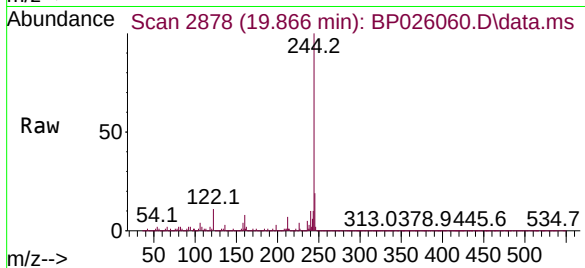




#79
 Terphenyl-d14
 Concen: 44.480 ng
 RT: 19.866 min Scan# 2878
 Delta R.T. 0.000 min
 Lab File: BP026060.D
 Acq: 03 Nov 2025 16:13

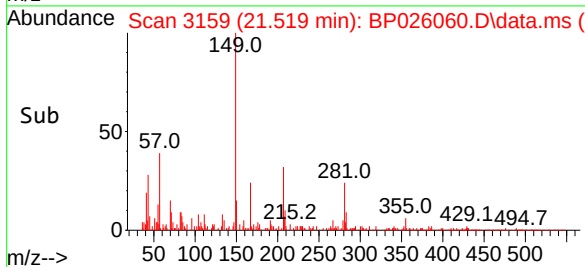
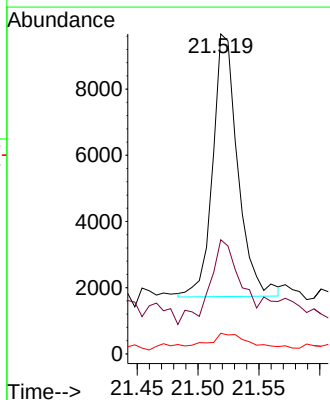
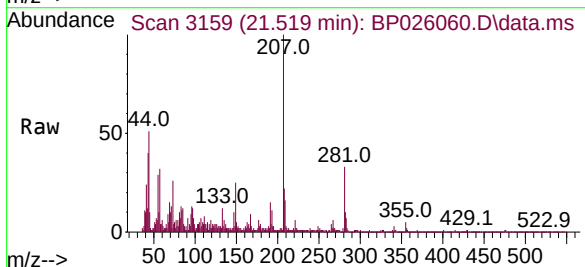
Instrument :
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 ClientSampleId :
 SB-1025-2

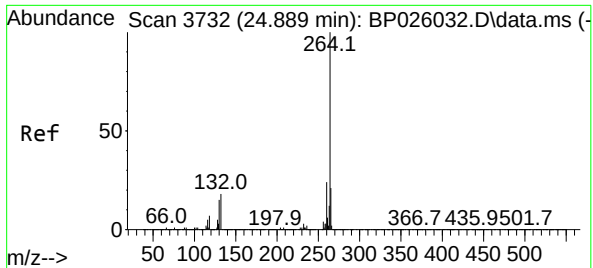
Tgt Ion:244 Resp: 3935857
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.3 9.0 13.6



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.746 ng
 RT: 21.519 min Scan# 3159
 Delta R.T. 0.001 min
 Lab File: BP026060.D
 Acq: 03 Nov 2025 16:13

Tgt Ion:149 Resp: 11378
 Ion Ratio Lower Upper
 149 100
 167 35.7 21.5 32.3#
 279 6.4 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.895 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP026060.D

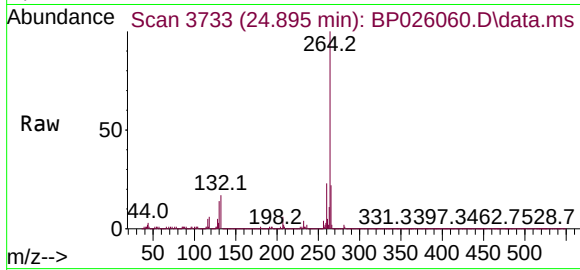
Acq: 03 Nov 2025 16:13

Instrument :

BNA_P

ClientSampleId :

SB-1025-2



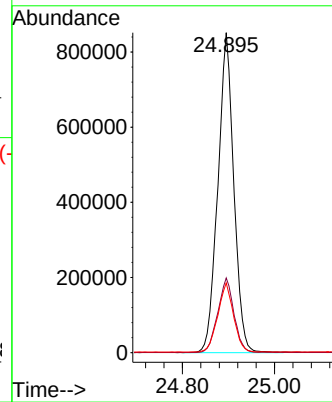
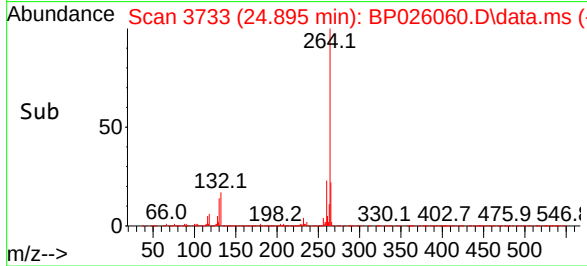
Tgt Ion:264 Resp: 2045798

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

265 21.8 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs : 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026060.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.302	394	402	413	rBV	3486134	5074713	48.25%	7.538%
2	6.855	659	666	676	rBV	3328312	5256310	49.98%	7.808%
3	7.684	800	807	814	rVB	1222421	1887661	17.95%	2.804%
4	8.819	988	1000	1009	rBV	1912442	3312967	31.50%	4.921%
5	10.455	1270	1278	1286	rBV	1593395	2669875	25.39%	3.966%
6	12.931	1692	1699	1706	rBV	4883210	7227287	68.72%	10.736%
7	14.048	1885	1889	1899	rBV2	89961	249292	2.37%	0.370%
8	14.148	1903	1906	1914	rVB2	93568	173379	1.65%	0.258%
9	14.325	1929	1936	1943	rBV	2190292	3460398	32.90%	5.140%
10	15.513	2134	2138	2147	rVB	89963	187710	1.78%	0.279%
11	15.707	2165	2171	2177	rBV	917908	1269074	12.07%	1.885%
12	15.831	2186	2192	2202	rBV	4372626	5831631	55.45%	8.663%
13	16.284	2264	2269	2278	rVB	142295	212311	2.02%	0.315%
14	17.125	2406	2412	2425	rVB	2882635	4076611	38.76%	6.056%
15	18.089	2570	2576	2586	rBV	1891394	2968681	28.23%	4.410%
16	19.419	2798	2802	2819	rBV	712226	1188421	11.30%	1.765%
17	19.672	2841	2845	2849	rBV	414777	534614	5.08%	0.794%
18	19.866	2873	2878	2888	rVB	8486438	10516523	100.00%	15.622%
19	20.142	2923	2925	2929	rVB	112777	126732	1.21%	0.188%
20	21.266	3112	3116	3123	rBV	569121	937798	8.92%	1.393%
21	21.572	3161	3168	3176	rBV2	2887830	4753422	45.20%	7.061%
22	24.895	3724	3733	3747	rVB	2239423	5402664	51.37%	8.026%

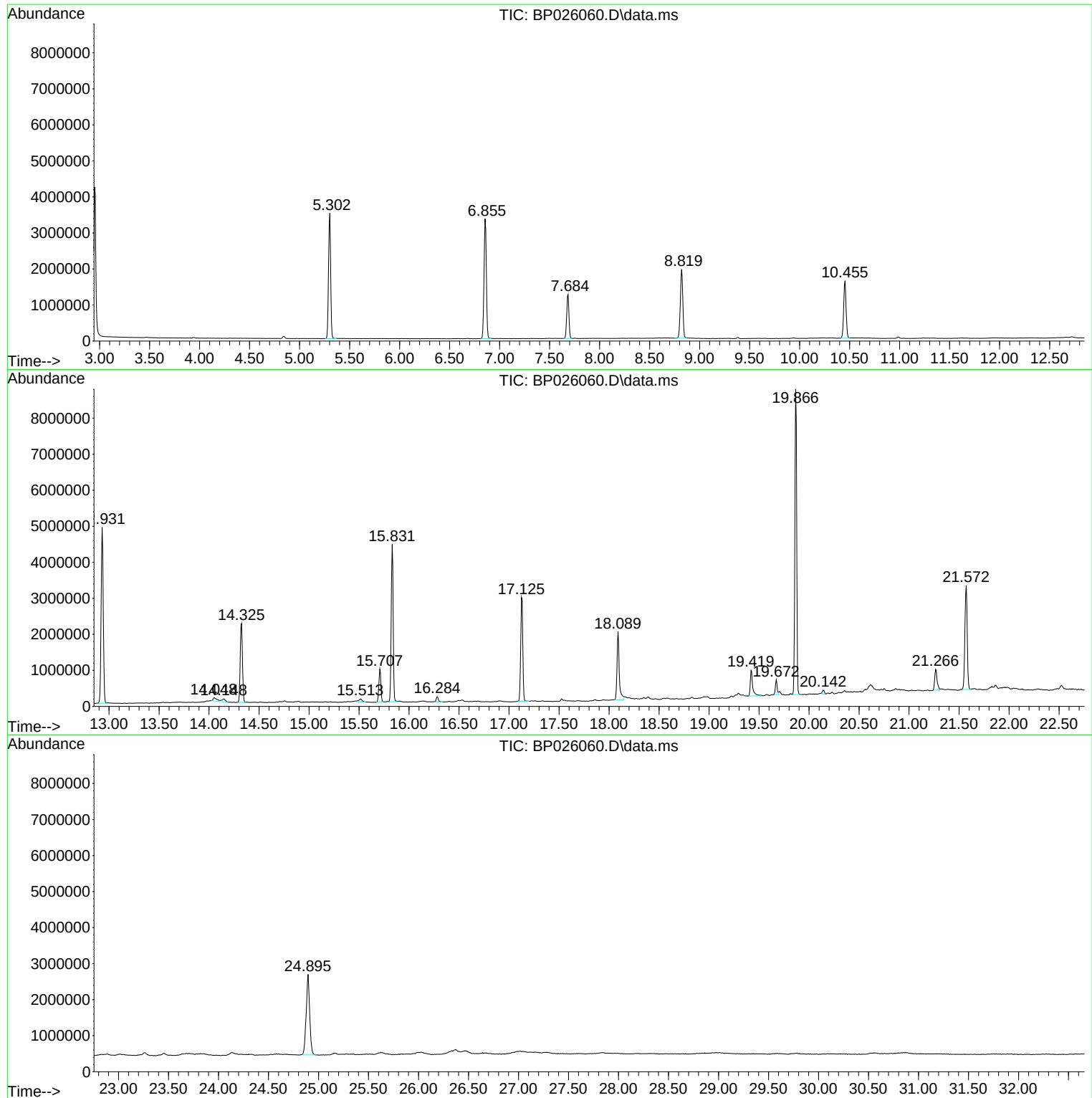
Sum of corrected areas: 67318074

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

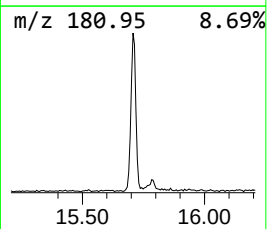
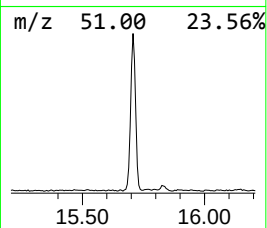
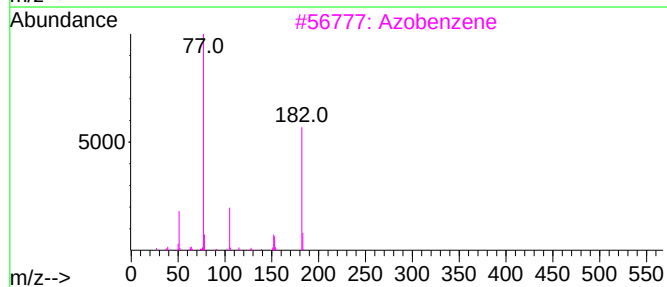
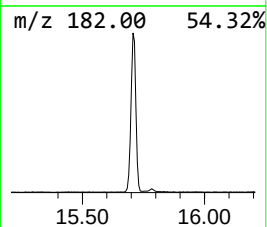
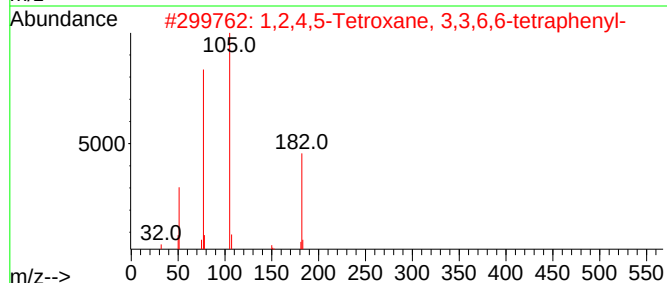
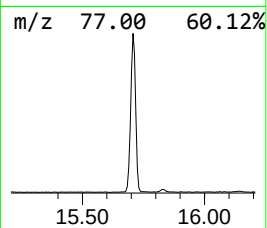
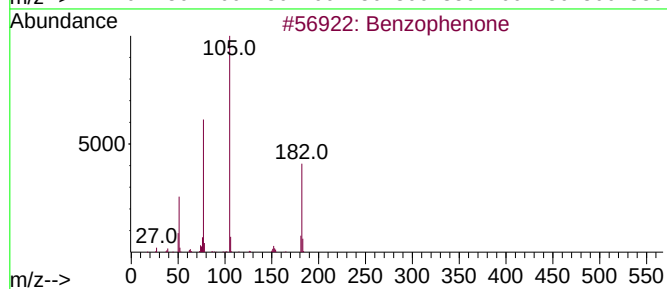
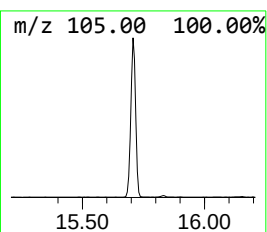
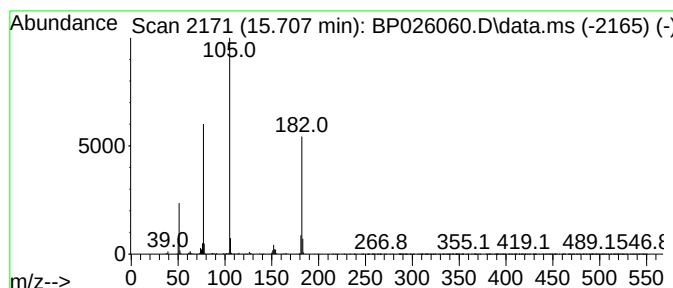
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.707	7.33 ng	1269070	Acenaphthene-d10	14.325

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			Azobenzene	182	C12H10N2	000103-33-3	72
4			Methanone, phenyl-2-pyridinyl-	183	C12H9NO	000091-02-1	50
5			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

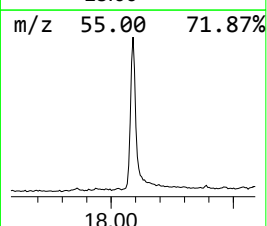
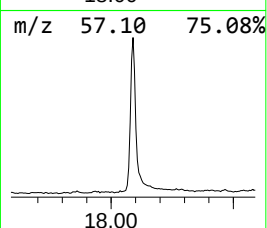
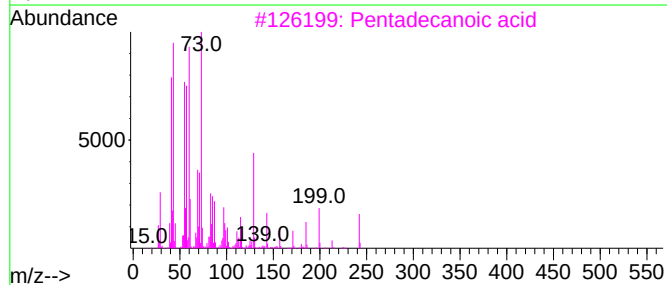
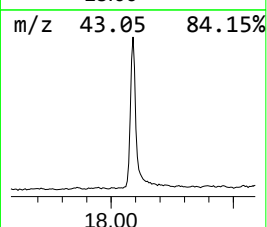
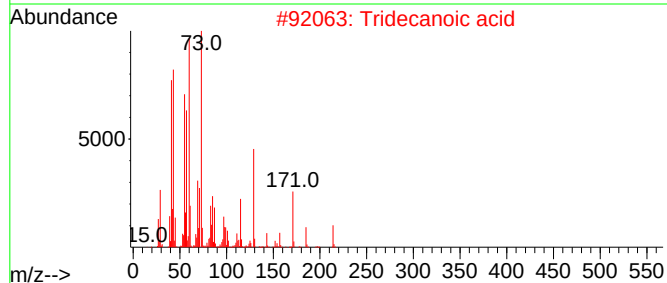
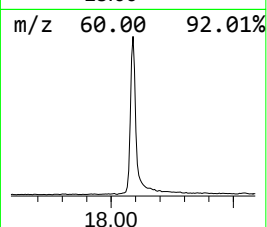
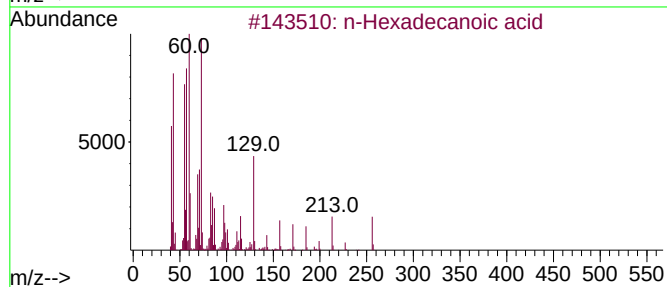
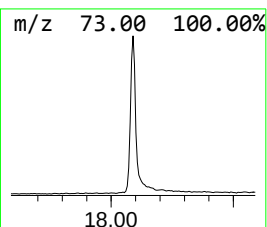
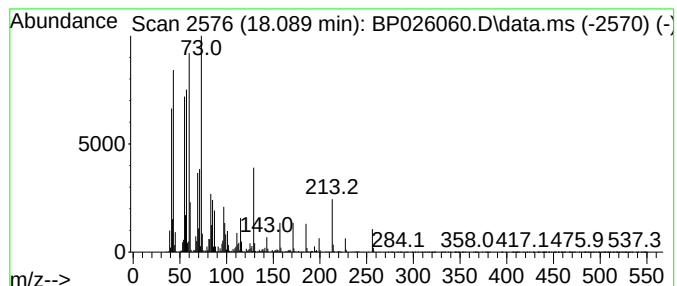
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.089	14.56 ng	2968680	Phenanthrene-d10	17.125

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	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

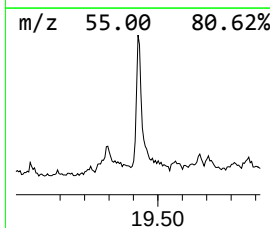
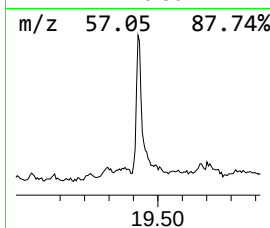
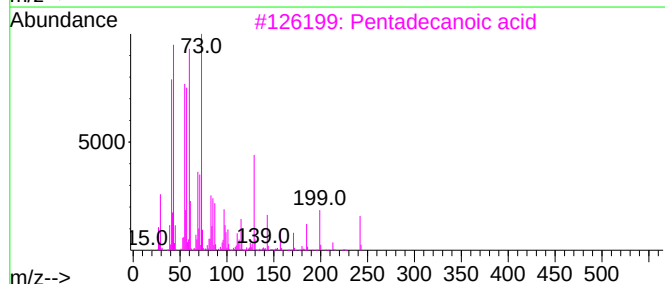
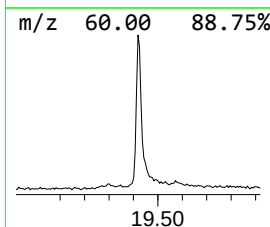
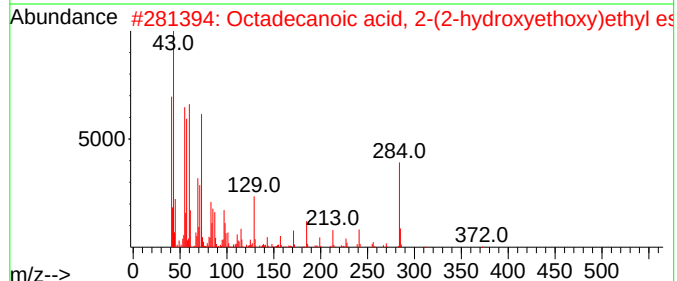
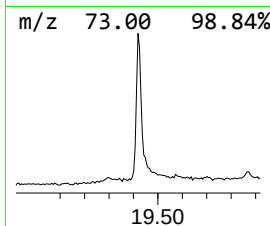
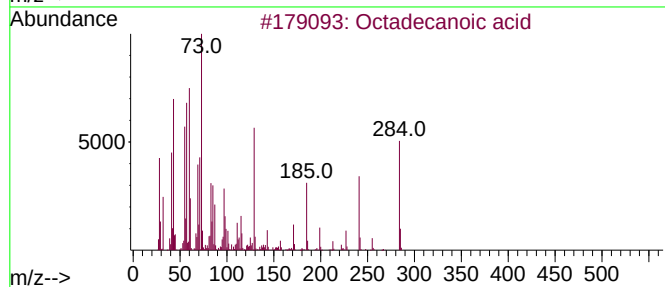
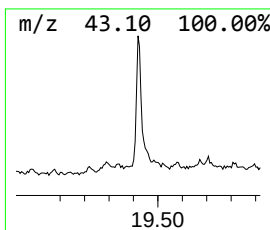
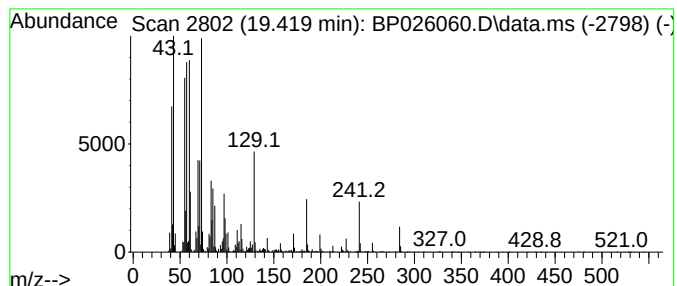
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.419	5.00 ng	1188420	Chrysene-d12	21.572

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	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

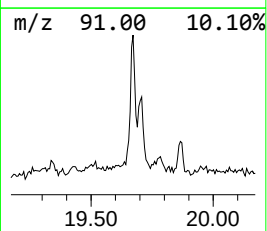
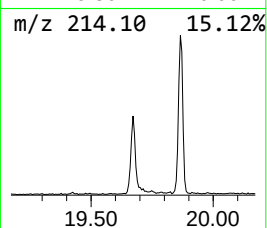
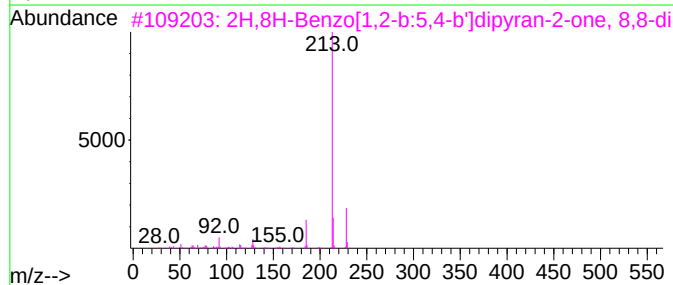
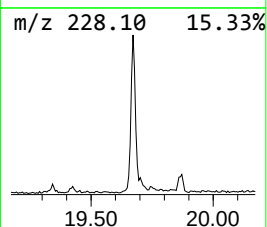
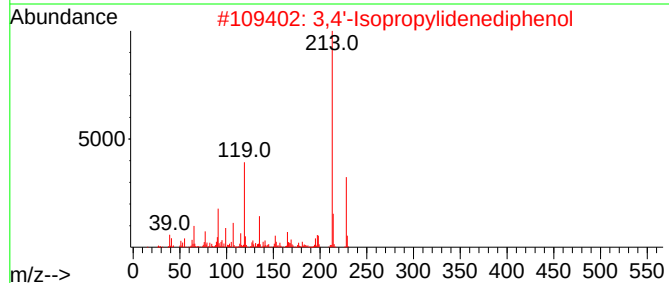
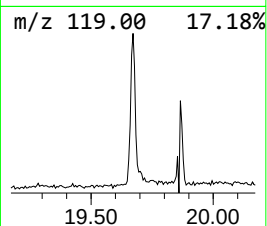
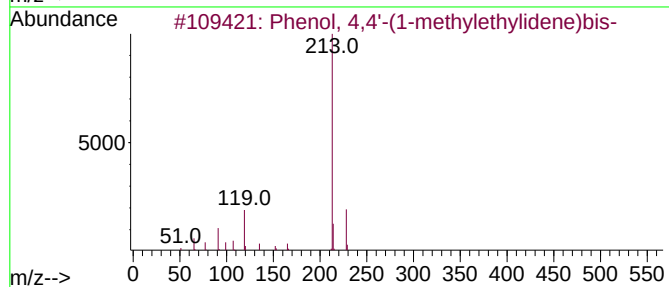
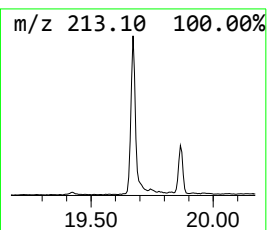
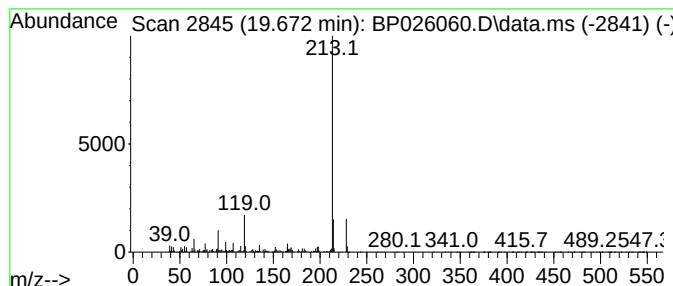
Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.672	2.25 ng	534614	Chrysene-d12	21.572	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	98
2	3,4'-Isopropylidenediphenol	228	C15H16O2	046765-25-7	55
3	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	53
4	3-Cyano-4-ethyl-6-methylcoumarin	213	C13H11NO2	025937-11-5	50
5	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

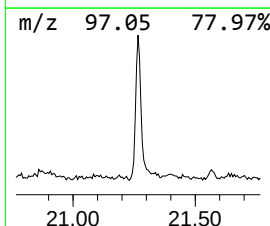
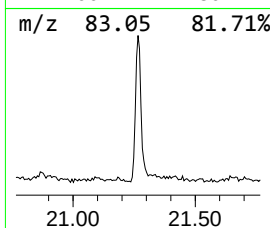
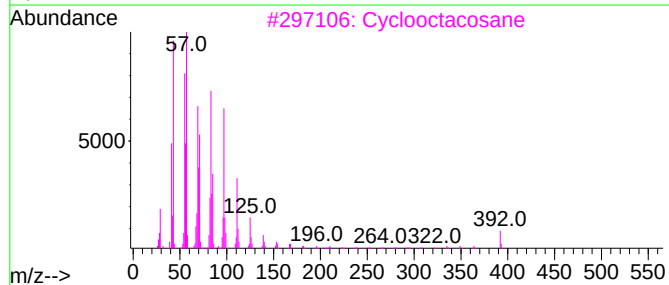
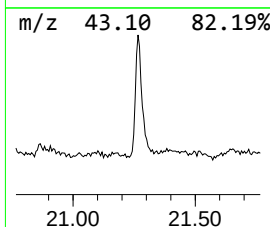
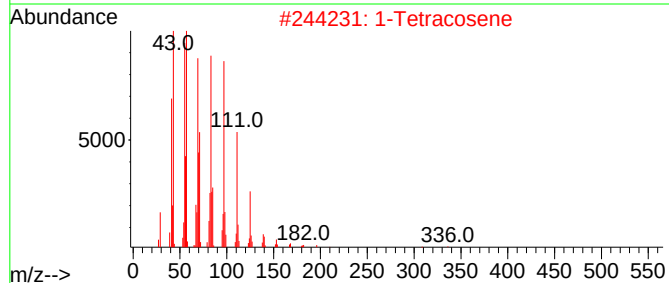
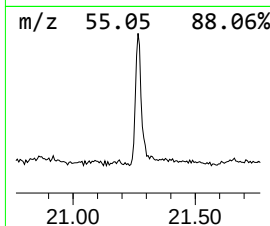
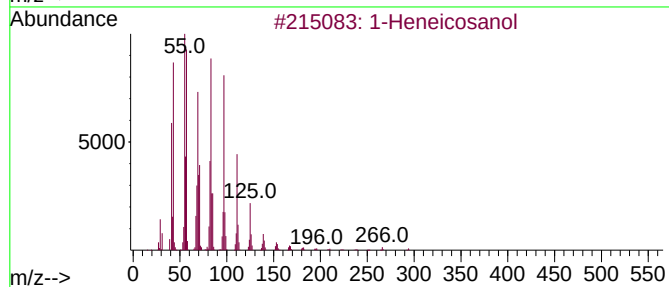
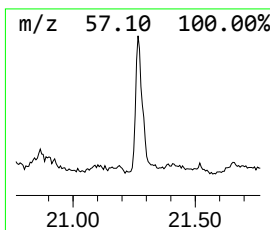
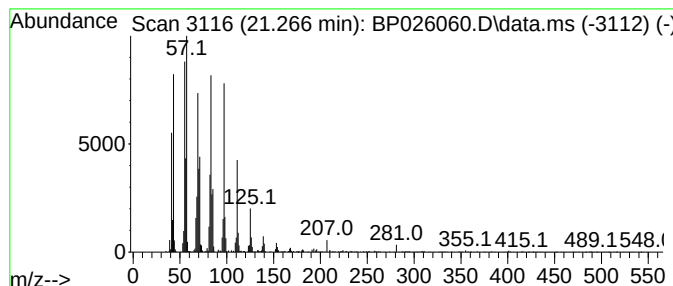
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.266	3.95 ng	937798	Chrysene-d12	21.572

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	95
2			1-Tetracosene	336	C24H48	010192-32-2	95
3			Cyclooctacosane	392	C28H56	000297-24-5	94
4			Pentacos-1-ene	350	C25H50	016980-85-1	94
5			Behenic alcohol	326	C22H46O	000661-19-8	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026060.D
Acq On : 03 Nov 2025 16:13
Operator : RC/JU
Sample : Q3495-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-1025-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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	15.707	7.3	ng	1269070	3	14.325	3460400	20.0
n-Hexadecanoic ...	18.089	14.6	ng	2968680	4	17.125	4076610	20.0
Octadecanoic acid	19.419	5.0	ng	1188420	5	21.572	4753420	20.0
Phenol, 4,4'-(1...	19.672	2.3	ng	534614	5	21.572	4753420	20.0
1-Heneicosanol	21.266	4.0	ng	937798	5	21.572	4753420	20.0

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 10/27/25	
Project: Maclearie Park	Date Received: 10/29/25	
Client Sample ID: TW-1025-1	SDG No.: Q3495	
Lab Sample ID: Q3495-03	Matrix: Water	
Analytical Method: 8270E	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: SVOC-TCL BNA -20	
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	10/31/25 18:57	PB170346
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	10/31/25 18:57	PB170346
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	10/31/25 18:57	PB170346
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	10/31/25 18:57	PB170346
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	10/31/25 18:57	PB170346
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	10/31/25 18:57	PB170346
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	10/31/25 18:57	PB170346
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	10/31/25 18:57	PB170346
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	10/31/25 18:57	PB170346
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	10/31/25 18:57	PB170346
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	10/31/25 18:57	PB170346
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	10/31/25 18:57	PB170346
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	10/31/25 18:57	PB170346
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	10/31/25 18:57	PB170346
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	10/31/25 18:57	PB170346
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
106-47-8	4-Chloroaniline	0.84	U	1	0.84	5.00	ug/L	10/31/25 18:57	PB170346
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	10/31/25 18:57	PB170346
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	10/31/25 18:57	PB170346
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	10/31/25 18:57	PB170346
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	10/31/25 18:57	PB170346
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	10/31/25 18:57	PB170346
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	10/31/25 18:57	PB170346
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	10/31/25 18:57	PB170346
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	10/31/25 18:57	PB170346
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	10/31/25 18:57	PB170346
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	10/31/25 18:57	PB170346
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	10/31/25 18:57	PB170346
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	10/31/25 18:57	PB170346
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	10/31/25 18:57	PB170346
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	10/31/25 18:57	PB170346
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	10/31/25 18:57	PB170346
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	10/31/25 18:57	PB170346
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	10/31/25 18:57	PB170346
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	10/31/25 18:57	PB170346
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	10/31/25 18:57	PB170346
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	10/31/25 18:57	PB170346
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	10/31/25 18:57	PB170346

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 10/27/25	
Project: Maclearie Park	Date Received: 10/29/25	
Client Sample ID: TW-1025-1	SDG No.: Q3495	
Lab Sample ID: Q3495-03	Matrix: Water	
Analytical Method: 8270E	% Solid: 0	
Sample Wt/Vol: 1000 mL	Test: SVOC-TCL BNA -20	
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	10/31/25 18:57	PB170346
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	10/31/25 18:57	PB170346
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	10/31/25 18:57	PB170346
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	10/31/25 18:57	PB170346
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	10/31/25 18:57	PB170346
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	10/31/25 18:57	PB170346
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	10/31/25 18:57	PB170346
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	10/31/25 18:57	PB170346
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	10/31/25 18:57	PB170346
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	10/31/25 18:57	PB170346
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	10/31/25 18:57	PB170346
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	10/31/25 18:57	PB170346
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	10/31/25 18:57	PB170346
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.00	ug/L	10/31/25 18:57	PB170346
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	10/31/25 18:57	PB170346
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	10/31/25 18:57	PB170346
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	10/31/25 18:57	PB170346
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	10/31/25 18:57	PB170346
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	10/31/25 18:57	PB170346
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	10/31/25 18:57	PB170346
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	10/31/25 18:57	PB170346
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	10/31/25 18:57	PB170346
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	10/31/25 18:57	PB170346
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	10/31/25 18:57	PB170346

SURROGATES

367-12-4	2-Fluorophenol	59.4		23 - 138	40%	SPK: 150
13127-88-3	Phenol-d6	40.9		10 - 134	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.6		67 - 132	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		44 - 137	106%	SPK: 150
1718-51-0	Terphenyl-d14	91.0		42 - 152	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	37800
1146-65-2	Naphthalene-d8	155000
15067-26-2	Acenaphthene-d10	121000
1517-22-2	Phenanthrene-d10	273000
1719-03-5	Chrysene-d12	293000
1520-96-3	Perylene-d12	322000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	TW-1025-1		SDG No.:	Q3495
Lab Sample ID:	Q3495-03		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date: 10/31/25		

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_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

Quant Time: Oct 31 23:28:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	37784	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	154992	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	121331	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	273070	20.000	ng	0.00
76) Chrysene-d12	21.849	240	293377	20.000	ng	-0.01
86) Perylene-d12	25.198	264	322218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	133611	59.355	ng	0.00
7) Phenol-d6	7.354	99	126232	40.866	ng	0.00
23) Nitrobenzene-d5	9.381	82	236497	91.647	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	279559	159.641	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	685414	85.626	ng	0.00
79) Terphenyl-d14	20.168	244	1415043	91.024	ng	0.00

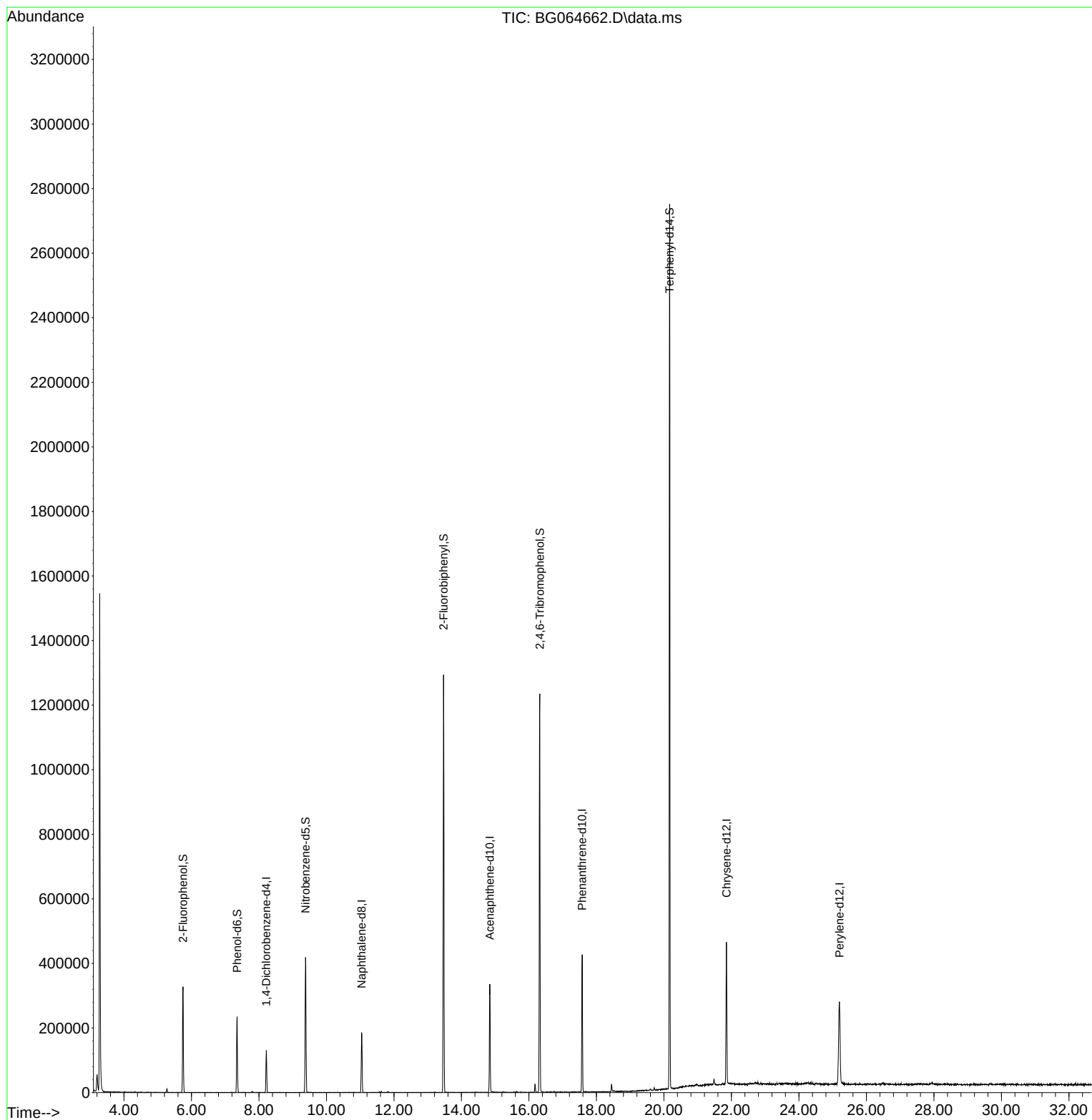
Target Compounds	Qvalue

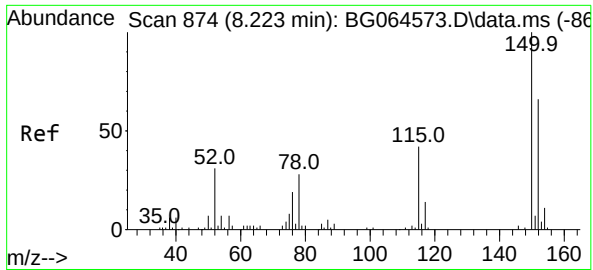
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

Quant Time: Oct 31 23:28:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

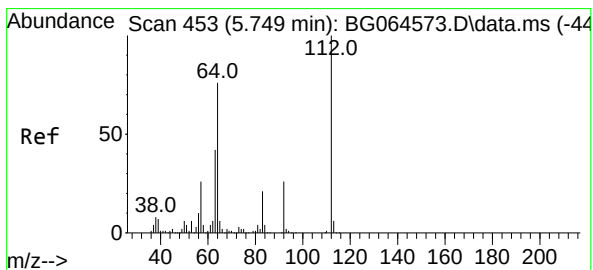
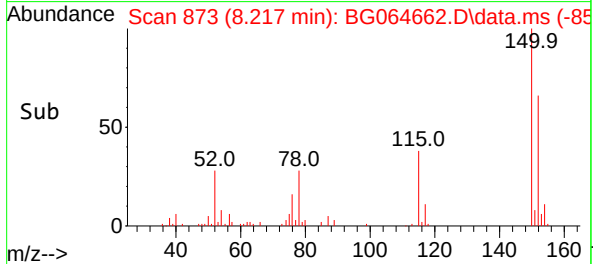
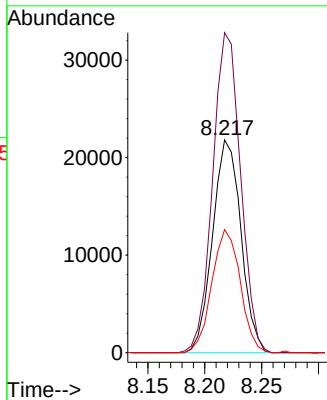
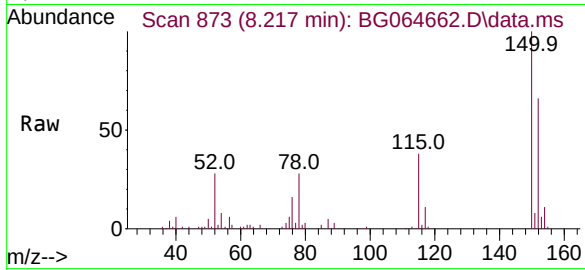




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

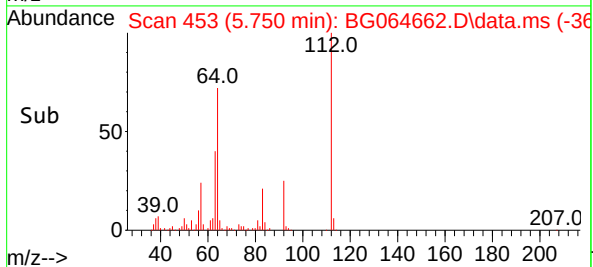
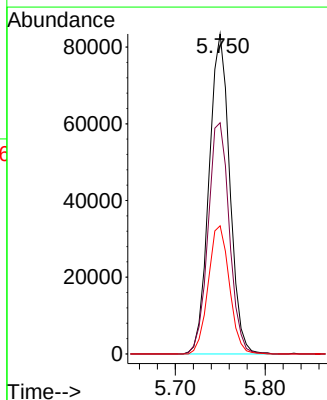
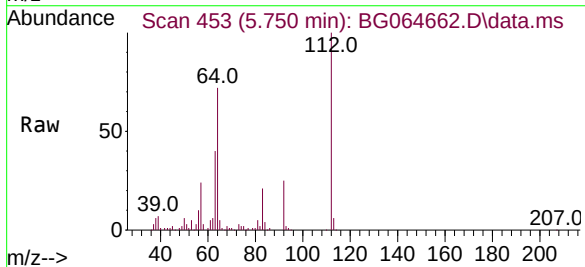
Instrument :
BNA_G
ClientSampleId :
TW-1025-1

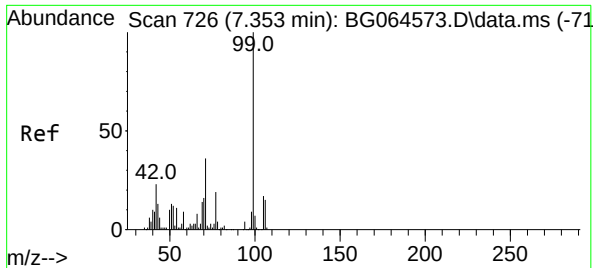
Tgt Ion:152 Resp: 37784
Ion Ratio Lower Upper
152 100
150 150.4 122.2 183.4
115 57.8 50.8 76.2



#5
2-Fluorophenol
Concen: 59.355 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:112 Resp: 133611
Ion Ratio Lower Upper
112 100
64 72.2 60.7 91.1
63 40.0 33.4 50.0

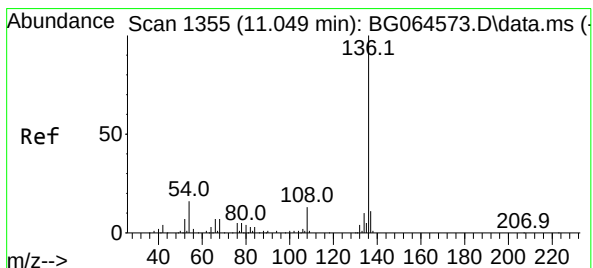
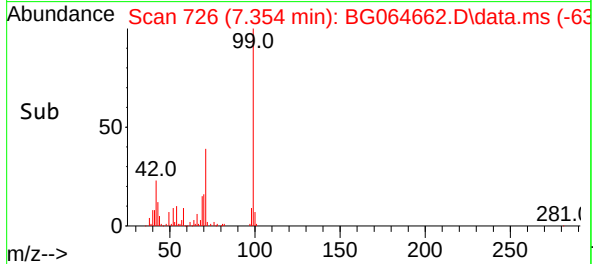
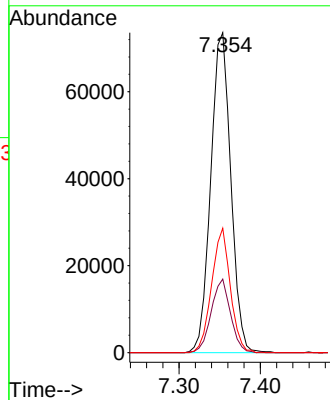
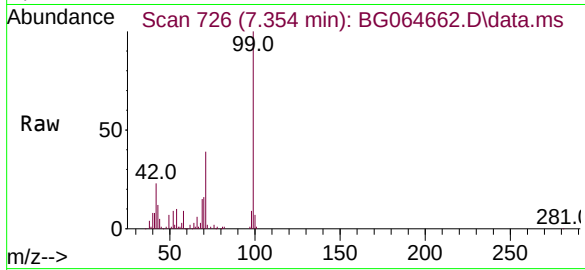




#7
Phenol-d6
Concen: 40.866 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

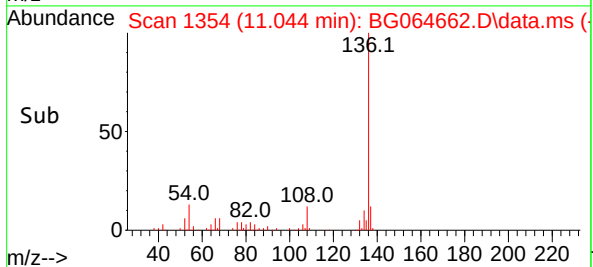
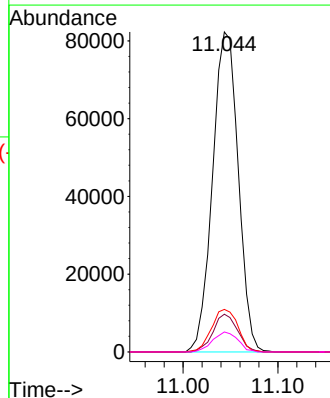
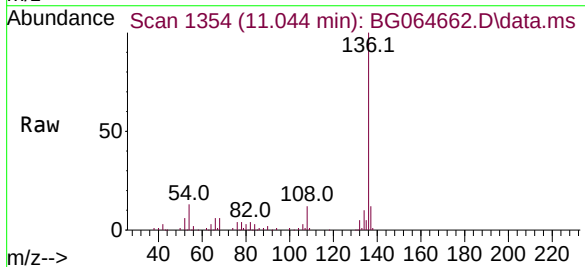
Instrument :
BNA_G
ClientSampleId :
TW-1025-1

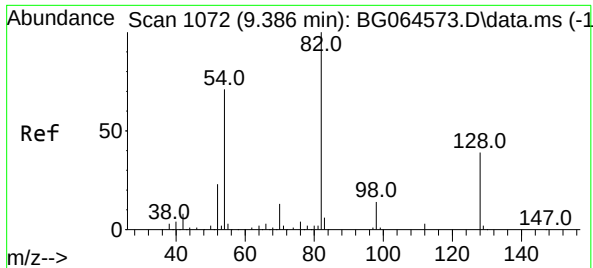
Tgt Ion: 99 Resp: 126232
Ion Ratio Lower Upper
99 100
42 23.0 18.3 27.5
71 38.9 28.6 43.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:136 Resp: 154992
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 13.3 12.6 19.0
68 6.2 5.7 8.5





#23

Nitrobenzene-d5

Concen: 91.647 ng

RT: 9.381 min Scan# 10

Delta R.T. -0.009 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :

TW-1025-1

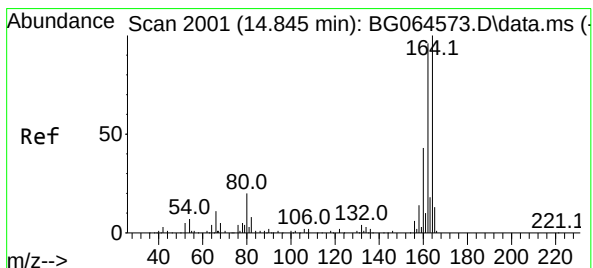
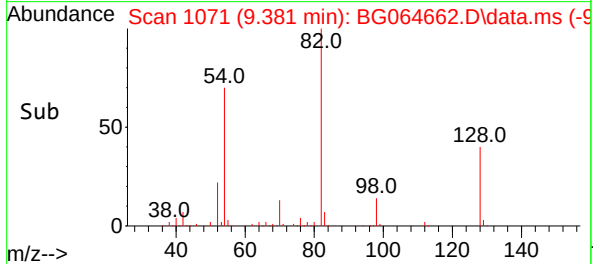
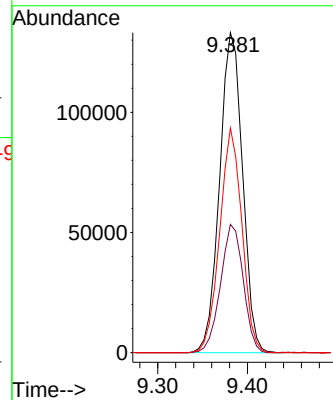
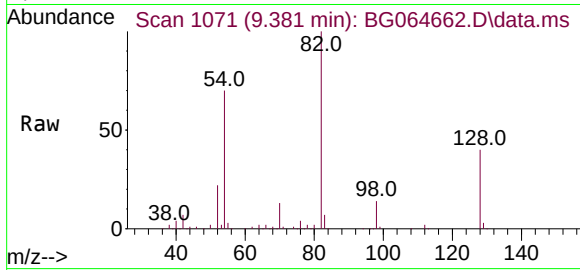
Tgt Ion: 82 Resp: 236497

Ion Ratio Lower Upper

82 100

128 40.1 31.3 46.9

54 70.2 56.6 84.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

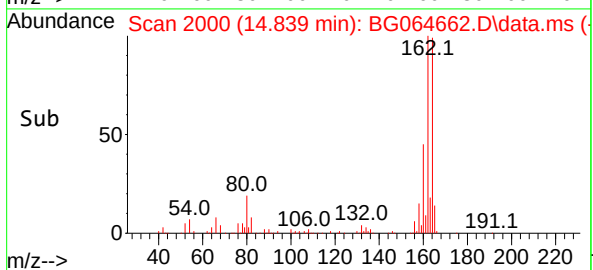
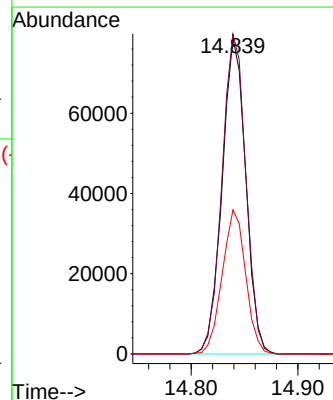
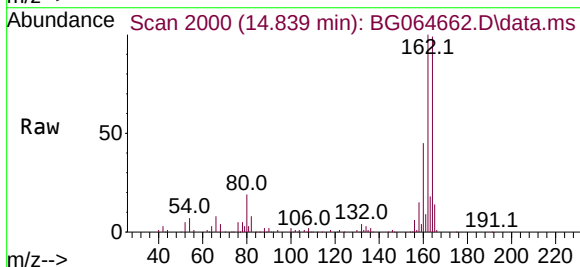
Tgt Ion: 164 Resp: 121331

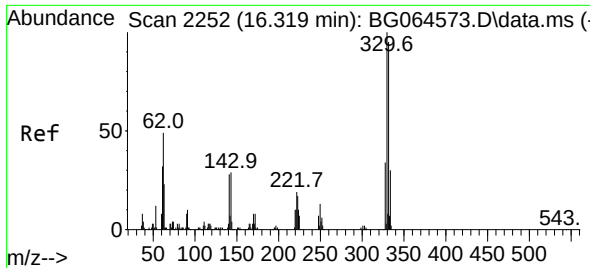
Ion Ratio Lower Upper

164 100

162 101.3 77.0 115.6

160 45.5 34.4 51.6

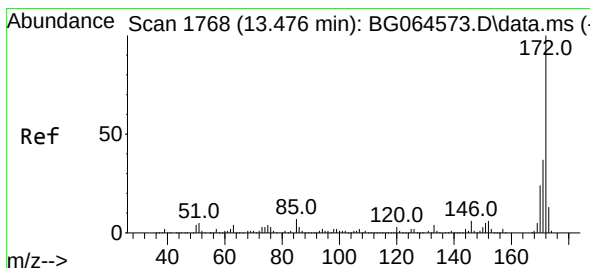
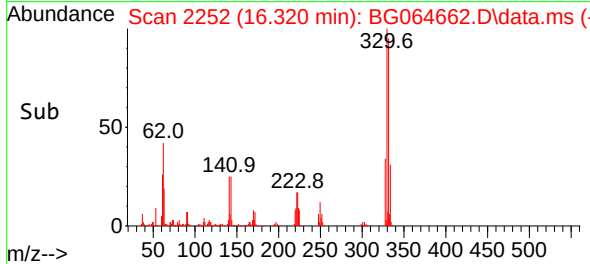
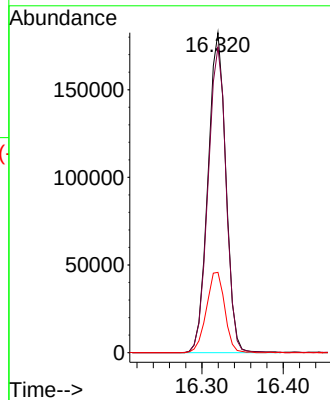
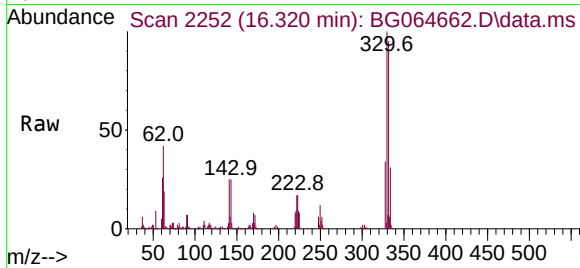




#42
2,4,6-Tribromophenol
Concen: 159.641 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

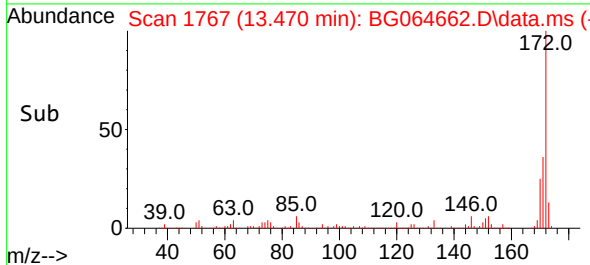
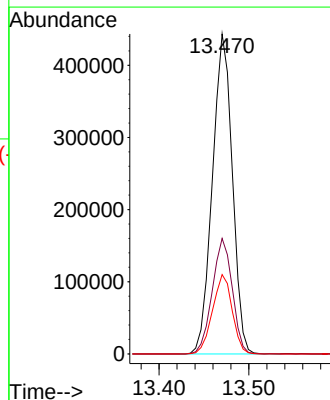
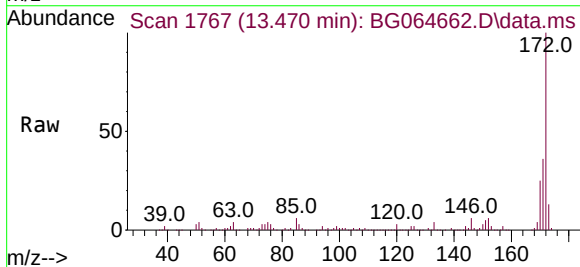
Instrument :
BNA_G
ClientSampleId :
TW-1025-1

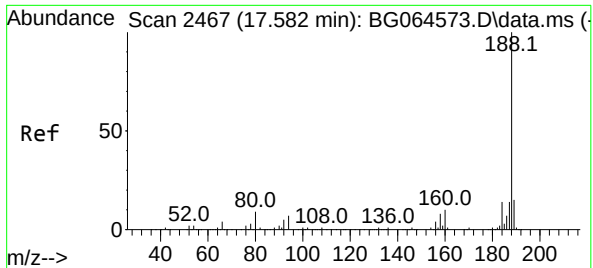
Tgt Ion	330	Resp	279559
Ion Ratio	100	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	25.8	21.8	32.6



#45
2-Fluorobiphenyl
Concen: 85.626 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion	172	Resp	685414
Ion Ratio	100	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.8	19.1	28.7

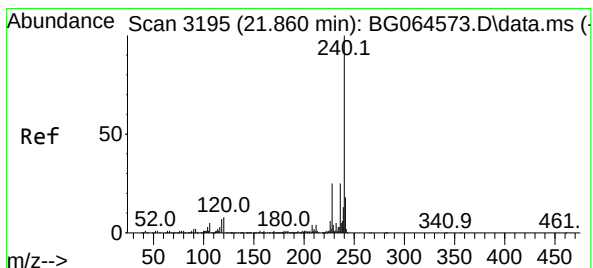
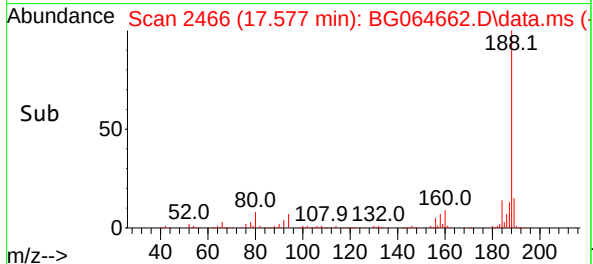
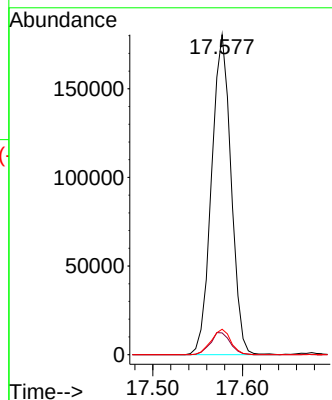
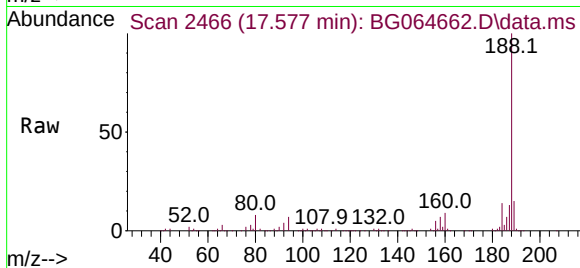




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

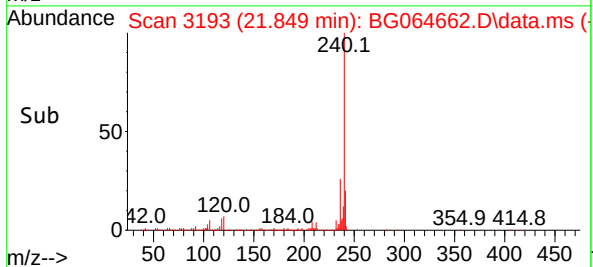
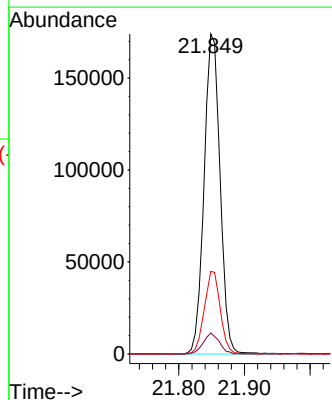
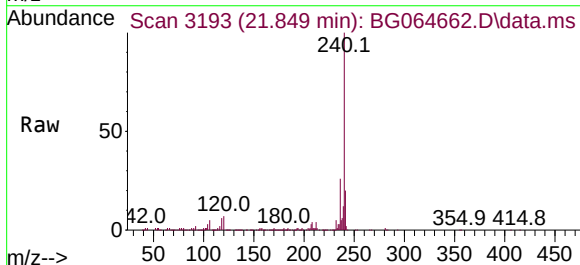
Instrument :
BNA_G
ClientSampleId :
TW-1025-1

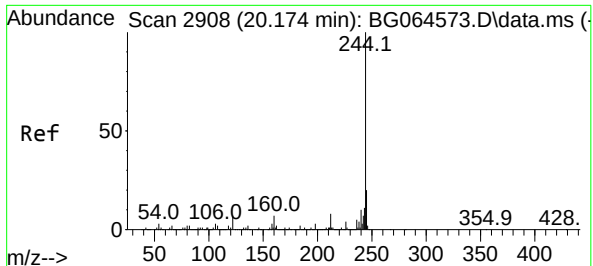
Tgt Ion:188 Resp: 273070
Ion Ratio Lower Upper
188 100
94 6.8 5.7 8.5
80 7.9 6.8 10.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064662.D
Acq: 31 Oct 2025 18:57

Tgt Ion:240 Resp: 293377
Ion Ratio Lower Upper
240 100
120 6.5 6.5 9.7
236 25.8 20.2 30.2





#79

Terphenyl-d14

Concen: 91.024 ng

RT: 20.168 min Scan# 2907

Delta R.T. -0.009 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

Instrument :

BNA_G

ClientSampleId :

TW-1025-1

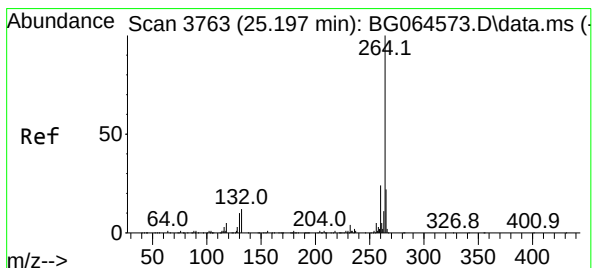
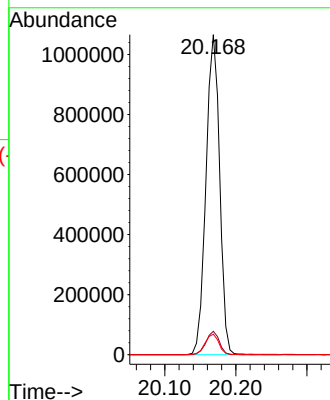
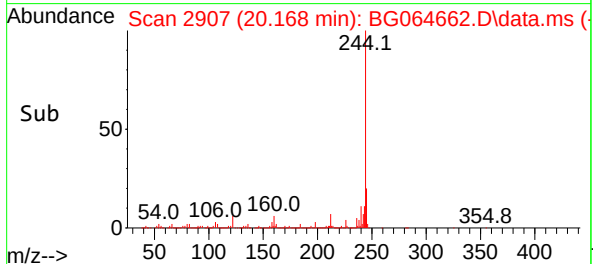
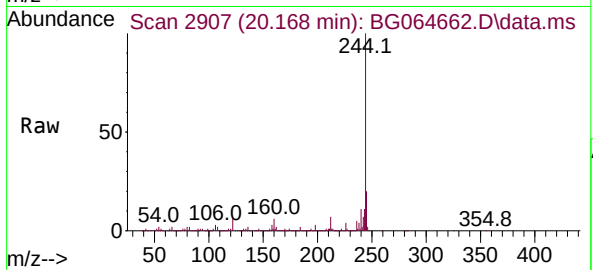
Tgt Ion:244 Resp: 1415043

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

122 6.4 5.6 8.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.198 min Scan# 3763

Delta R.T. -0.003 min

Lab File: BG064662.D

Acq: 31 Oct 2025 18:57

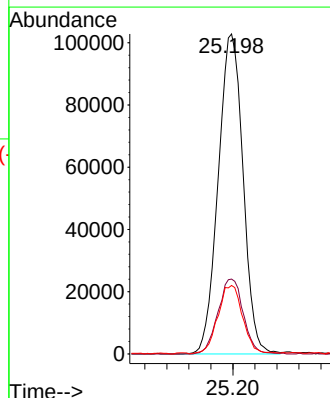
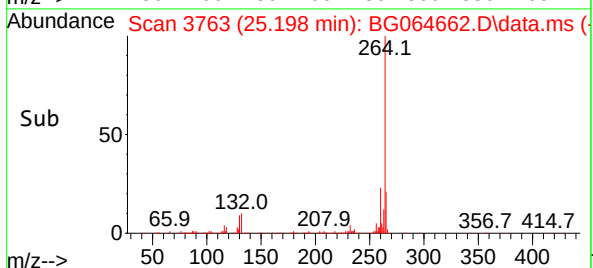
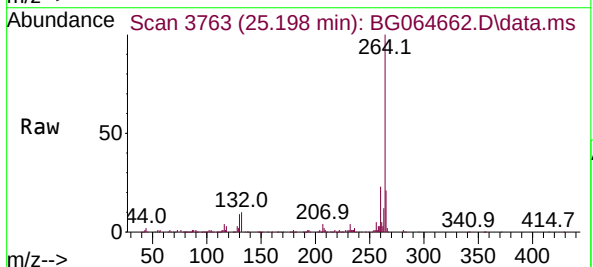
Tgt Ion:264 Resp: 322218

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.4

265 21.4 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

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_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064662.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.206	13	20	27	rBV	50516	107090	2.98%	0.713%
2	3.282	27	33	53	rVB	1543683	2394255	66.53%	15.949%
3	5.750	446	453	464	rBV	327368	535520	14.88%	3.567%
4	7.354	718	726	736	rBV	234453	399311	11.10%	2.660%
5	8.217	865	873	880	rBV	130781	221872	6.17%	1.478%
6	9.381	1063	1071	1080	rBV	418437	743213	20.65%	4.951%
7	11.044	1347	1354	1362	rBV	185567	341306	9.48%	2.274%
8	13.470	1760	1767	1775	rBV	1293761	1993677	55.40%	13.280%
9	14.839	1992	2000	2010	rBV	335312	525606	14.61%	3.501%
10	16.179	2224	2228	2235	rBV	25075	36768	1.02%	0.245%
11	16.320	2244	2252	2265	rBV	1234503	1919480	53.34%	12.786%
12	17.577	2459	2466	2473	rBV2	425553	644118	17.90%	4.291%
13	20.168	2900	2907	2914	rBV	2740835	3598697	100.00%	23.972%
14	21.849	3187	3193	3201	rBV	439962	744298	20.68%	4.958%
15	25.198	3751	3763	3776	rBV	256277	807040	22.43%	5.376%

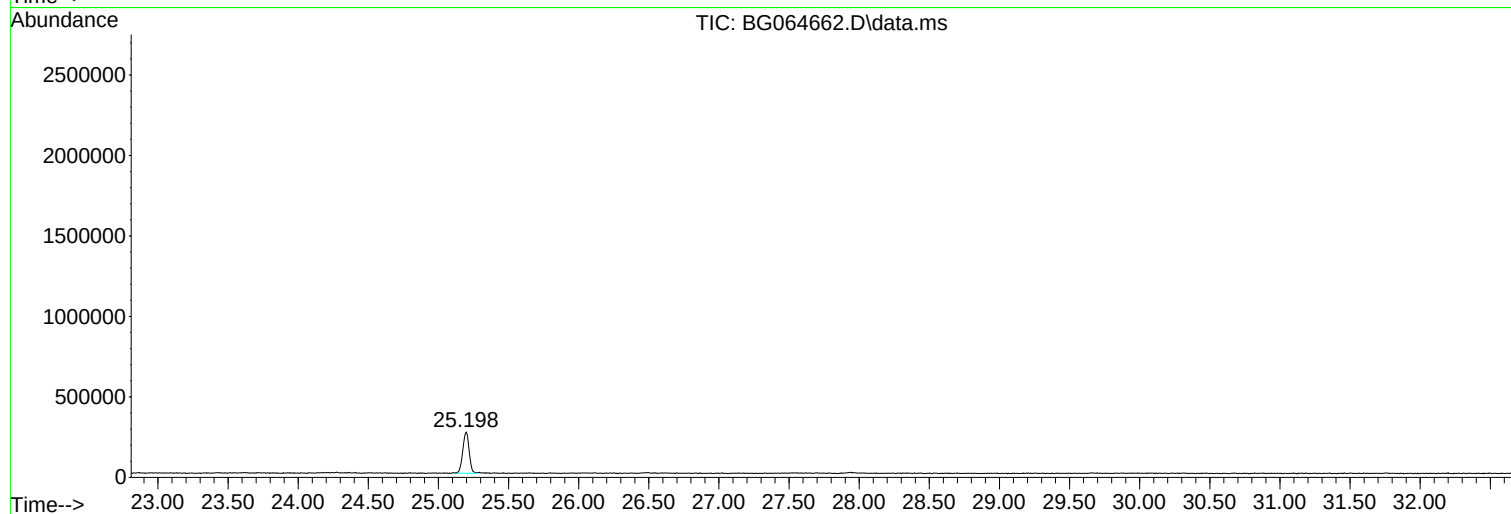
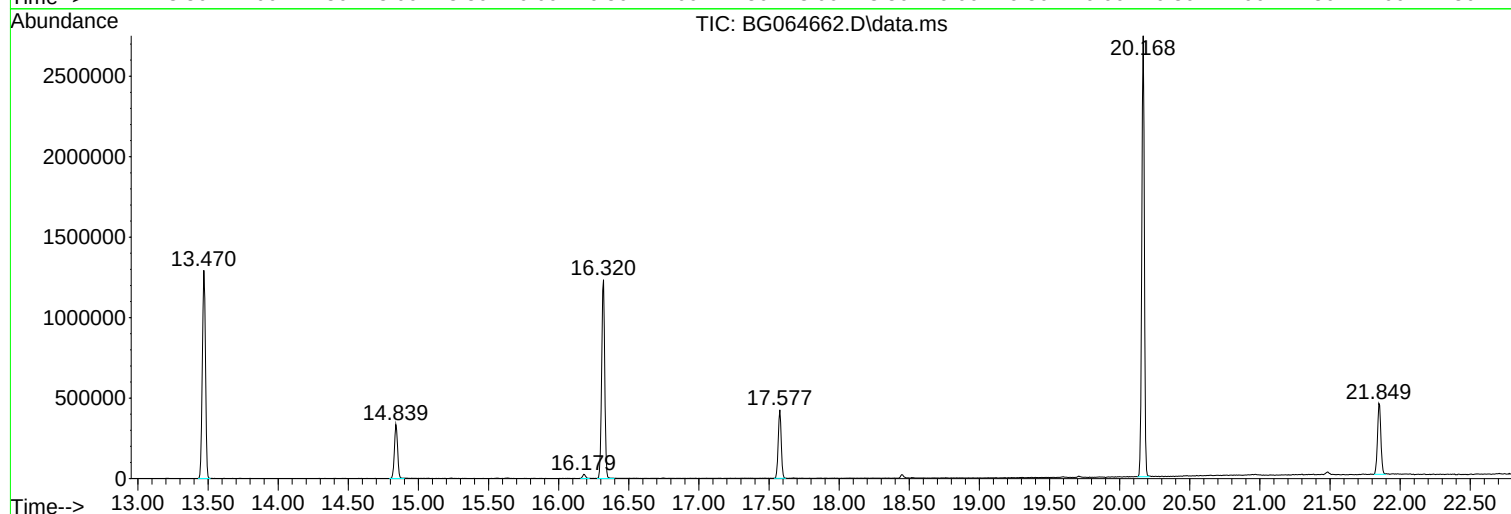
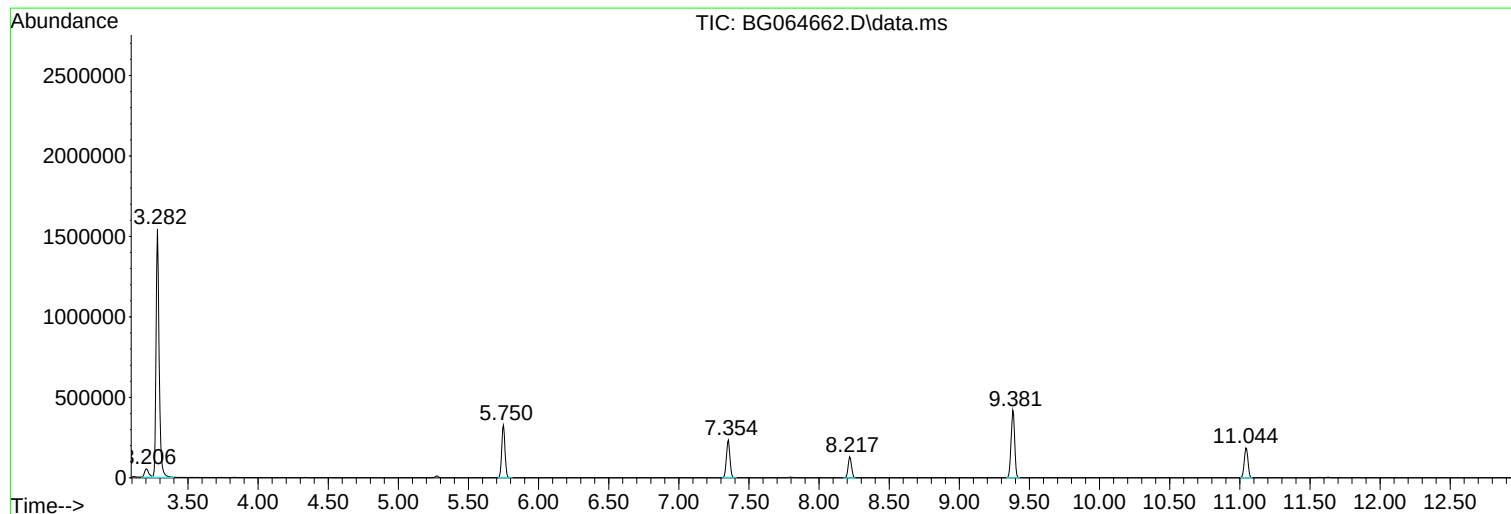
Sum of corrected areas: 15012251

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064662.D
Acq On : 31 Oct 2025 18:57
Operator : RC/JU
Sample : Q3495-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TW-1025-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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	#	RT	Resp	Conc
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CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D			RRF005 = BG064570.D		RRF010 = BG064571.D	
		RRF020 = BG064572.D			RRF040 = BG064573.D		RRF060 = BG064574.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.098	1.207	1.155	1.292	1.318	1.192	7.1
Benzaldehyde			0.942	0.994	0.940	0.981	0.893	14.1
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Phenol		1.665	1.820	1.748	1.944	2.027	1.808	7.4
bis(2-Chloroethyl) ether		1.307	1.409	1.292	1.383	1.443	1.329	6.5
2-Chlorophenol		1.051	1.207	1.197	1.373	1.461	1.247	10.6
2-Methylphenol		1.103	1.225	1.178	1.273	1.345	1.201	7.2
2,2-oxybis(1-Chloropropane)		3.421	3.604	3.396	3.733	3.802	3.487	6.7
Acetophenone		0.535	0.565	0.528	0.584	0.590	0.547	6.0
3+4-Methylphenols			1.652	1.581	1.818	1.895	1.688	8.0
n-Nitroso-di-n-propylamine	1.044	1.038	1.141	1.129	1.227	1.289	1.130	7.9
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
Hexachloroethane		0.468	0.535	0.505	0.541	0.557	0.512	6.4
Nitrobenzene		0.274	0.312	0.344	0.410	0.438	0.362	15.6
Isophorone		0.751	0.796	0.771	0.869	0.891	0.799	7.2
2-Nitrophenol		0.076	0.095	0.110	0.137	0.152	0.121	23.2
2,4-Dimethylphenol		0.236	0.294	0.285	0.335	0.343	0.297	11.9
bis(2-Chloroethoxy) methane		0.452	0.464	0.443	0.490	0.493	0.455	6.5
2,4-Dichlorophenol		0.243	0.299	0.315	0.360	0.373	0.320	13.3
Naphthalene		1.083	1.144	1.084	1.177	1.201	1.109	6.0
4-Chloroaniline		0.390	0.456	0.411	0.459	0.486	0.431	8.3
Hexachlorobutadiene		0.266	0.291	0.282	0.299	0.306	0.284	5.3
Caprolactam			0.112	0.114	0.134	0.142	0.123	9.9
4-Chloro-3-methylphenol		0.323	0.381	0.361	0.426	0.454	0.384	11.2
2-Methylnaphthalene		0.764	0.858	0.797	0.865	0.888	0.814	6.7
Hexachlorocyclopentadiene			0.268	0.279	0.324	0.340	0.302	9.0
2,4,6-Trichlorophenol		0.294	0.333	0.375	0.423	0.456	0.384	14.4
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
2,4,5-Trichlorophenol		0.339	0.425	0.439	0.484	0.517	0.443	12.5
1,1-Biphenyl		1.456	1.450	1.401	1.489	1.498	1.422	5.0
2-Chloronaphthalene		1.065	1.082	1.053	1.132	1.145	1.073	4.7
2-Nitroaniline		0.201	0.234	0.277	0.348	0.404	0.311	24.1
Dimethylphthalate		1.389	1.570	1.488	1.641	1.699	1.530	7.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3

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: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D			RRF005 = BG064570.D		RRF010 = BG064571.D	
		RRF020 = BG064572.D			RRF040 = BG064573.D		RRF060 = BG064574.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.127	0.180	0.193	0.247	0.283	0.218	24.7
3-Nitroaniline		0.180	0.211	0.252	0.294	0.325	0.263	19.7
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
2,4-Dinitrophenol			0.086	0.110	0.137	0.165	0.132	22.1
4-Nitrophenol			0.191	0.213	0.261	0.283	0.244	14.4
Dibenzofuran		1.881	1.972	1.826	1.963	1.988	1.870	6.0
2,4-Dinitrotoluene		0.223	0.269	0.300	0.385	0.434	0.340	22.7
Diethylphthalate		1.417	1.645	1.514	1.657	1.718	1.563	7.1
4-Chlorophenyl-phenylether		0.800	0.864	0.792	0.866	0.888	0.820	6.4
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
4-Nitroaniline		0.194	0.252	0.286	0.327	0.355	0.293	18.6
4,6-Dinitro-2-methylphenol			0.055	0.064	0.083	0.097	0.079	21.0
n-Nitrosodiphenylamine		0.510	0.551	0.525	0.583	0.594	0.540	6.8
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
4-Bromophenyl-phenylether		0.218	0.236	0.230	0.258	0.264	0.237	7.3
Hexachlorobenzene		0.254	0.266	0.262	0.292	0.302	0.270	7.0
Atrazine		0.215	0.227	0.249	0.245	0.261	0.232	8.3
Pentachlorophenol			0.132	0.152	0.180	0.199	0.169	13.9
Phenanthrene		1.084	1.133	1.073	1.162	1.179	1.094	6.2
Anthracene		1.087	1.144	1.101	1.187	1.204	1.113	6.2
Carbazole		0.982	1.037	0.982	1.031	1.028	0.981	5.9
Di-n-butylphthalate		1.011	1.156	1.179	1.240	1.198	1.135	7.1
Fluoranthene		1.385	1.463	1.380	1.440	1.403	1.370	5.9
Pyrene		1.287	1.331	1.284	1.411	1.406	1.307	6.2
Terphenyl-d14		1.074	1.120	1.066	1.142	1.102	1.060	7.2
Butylbenzylphthalate		0.284	0.359	0.388	0.450	0.467	0.395	15.4
3,3-Dichlorobenzidine			0.418	0.428	0.477	0.486	0.443	6.9
Benzo (a) anthracene		1.294	1.355	1.292	1.416	1.430	1.326	5.7
Chrysene		1.249	1.291	1.229	1.344	1.359	1.262	5.8
Bis (2-ethylhexyl) phthalate		0.484	0.555	0.581	0.671	0.667	0.590	11.0
Di-n-octyl phthalate			0.871	0.932	1.087	1.117	0.995	9.3
Benzo (b) fluoranthene		1.138	1.246	1.169	1.322	1.353	1.226	6.8
Benzo (k) fluoranthene		1.175	1.260	1.206	1.285	1.364	1.227	6.5
Benzo (a) pyrene		1.061	1.144	1.093	1.202	1.246	1.127	6.4
Indeno (1,2,3-cd) pyrene		1.383	1.491	1.410	1.568	1.642	1.471	6.8

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: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D		RRF005 = BG064570.D		RRF010 = BG064571.D		
		RRF020 = BG064572.D		RRF040 = BG064573.D		RRF060 = BG064574.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.080	1.162	1.089	1.213	1.280	1.142	6.9
1,2,4,5-Tetrachlorobenzene		0.657	0.684	0.648	0.702	0.717	0.671	4.6
1,4-Dioxane		0.570	0.581	0.524	0.525	0.559	0.528	8.8
2,3,4,6-Tetrachlorophenol		0.312	0.385	0.402	0.466	0.508	0.424	15.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Nov 03 18:16:26 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85	
3)	Pyridine	1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84	
4)	n-Nitrosodimet...		0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08	
5) S	2-Fluorophenol	1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09	
6)	Aniline	2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28	
7) S	Phenol-d6	1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55	
8)	2-Chlorophenol	1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65	
9)	Benzaldehyde		0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09	
10) C	Phenol	1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36	
11)	bis(2-Chloroet...	1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47	
12)	1,3-Dichlorobe...	1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62	
13) C	1,4-Dichlorobe...	1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21	
14)	1,2-Dichlorobe...	1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97	
15)	Benzyl Alcohol		1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97	
16)	2,2'-oxybis(1-...	3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74	
17)	2-Methylphenol	1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22	
18)	Hexachloroethane	0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41	
19) P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)	3+4-Methylphenols		1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04	
23) S	Nitrobenzene-d5	0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02	
24)	Nitrobenzene	0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64	
25)	Isophorone	0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25	
26) C	2-Nitrophenol	0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20	
27)	2,4-Dimethylph...	0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93	
28)	bis(2-Chloroet...	0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48	
29) C	2,4-Dichloroph...	0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34	
30)	1,2,4-Trichlor...	0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44	
31)	Naphthalene	1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96	
32)	Benzoic acid		0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74	
33)	4-Chloroaniline	0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29	
34) C	Hexachlorobuta...	0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33	
35)	Caprolactam		0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85	
36) C	4-Chloro-3-met...	0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18	
37)	2-Methylnaphth...	0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74	
38)	1-Methylnaphth...	0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M

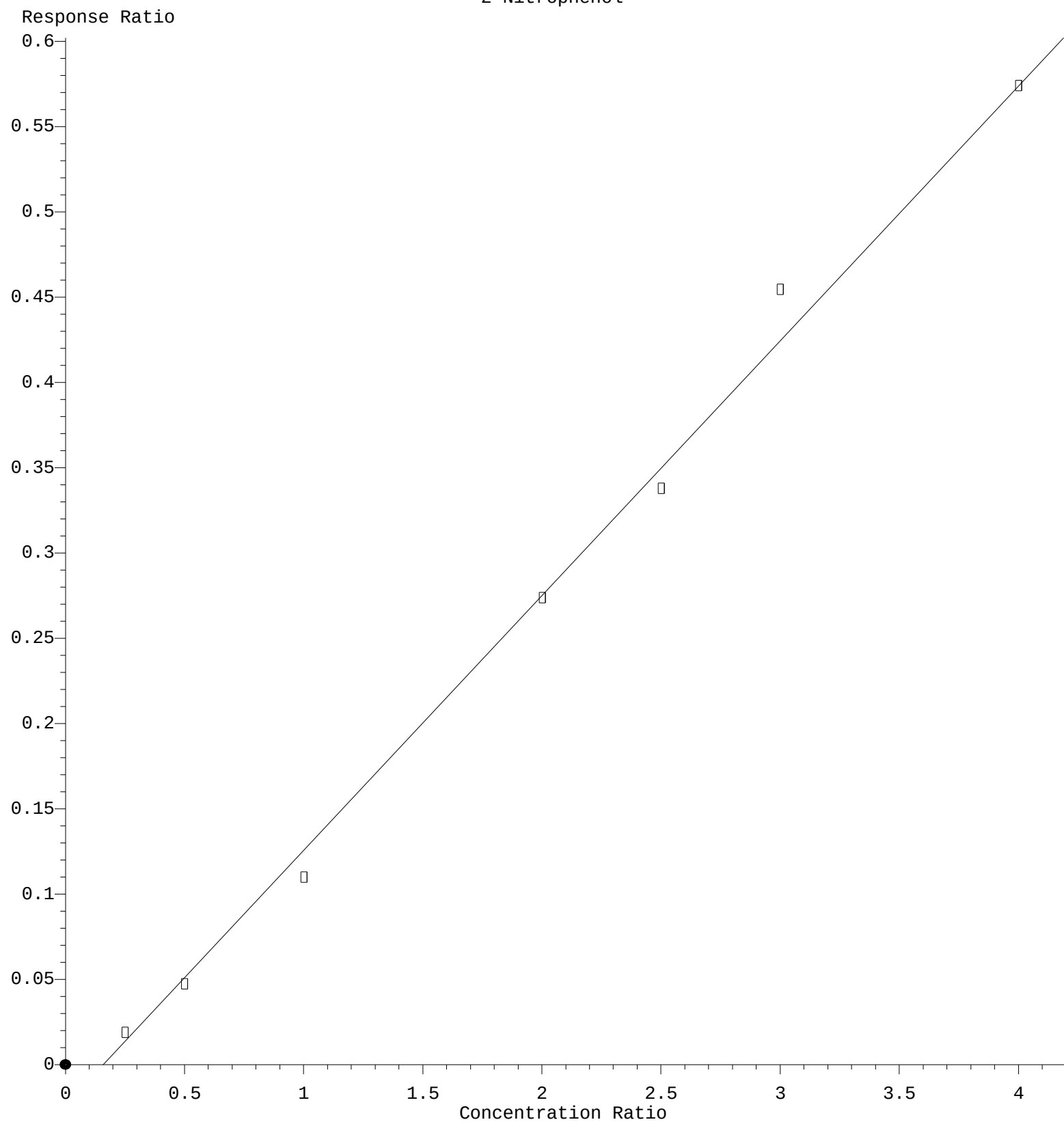
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55	
41) P	Hexachlorocycl...	0.268	0.279	0.324	0.297	0.340	0.305	0.302		8.97	
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04	
43) C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41	
44)	2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48	
45) S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24	
46)	1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98	
47)	2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71	
48)	2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06	
49)	Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30	
50)	Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21	
51)	2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69	
52) C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63	
53)	3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70	
54) P	2,4-Dinitrophenol	0.086	0.110	0.137	0.139	0.165	0.154	0.132		22.11	
55)	Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96	
56) P	4-Nitrophenol	0.191	0.213	0.261	0.250	0.283	0.267	0.244		14.40	
57)	2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67	
58)	Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38	
59)	2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04	
60)	Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06	
61)	4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38	
62)	4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55	
63)	Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.055	0.064	0.083	0.083	0.097	0.093	0.079		21.00	
66) c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79	
67)	4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28	
68)	Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99	
69)	Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27	
70) C	Pentachlorophenol	0.132	0.152	0.180	0.172	0.199	0.177	0.169		13.91	
71)	Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17	
72)	Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17	
73)	Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90	
74)	Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11	
75) C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.392	0.475	0.490	0.416	0.533	0.383	0.448		13.40	
78)	Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24	
79) S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21	
80)	Butylbenzylphth...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43	
81)	Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71	
82)	3,3'-Dichlorob...	0.418	0.428	0.477	0.424	0.486	0.424	0.443		6.88	
83)	Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76	
84)	Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95	
85) c	Di-n-octyl pht...	0.871	0.932	1.087	0.976	1.117	0.986	0.995		9.32	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

(#) = Out of Range

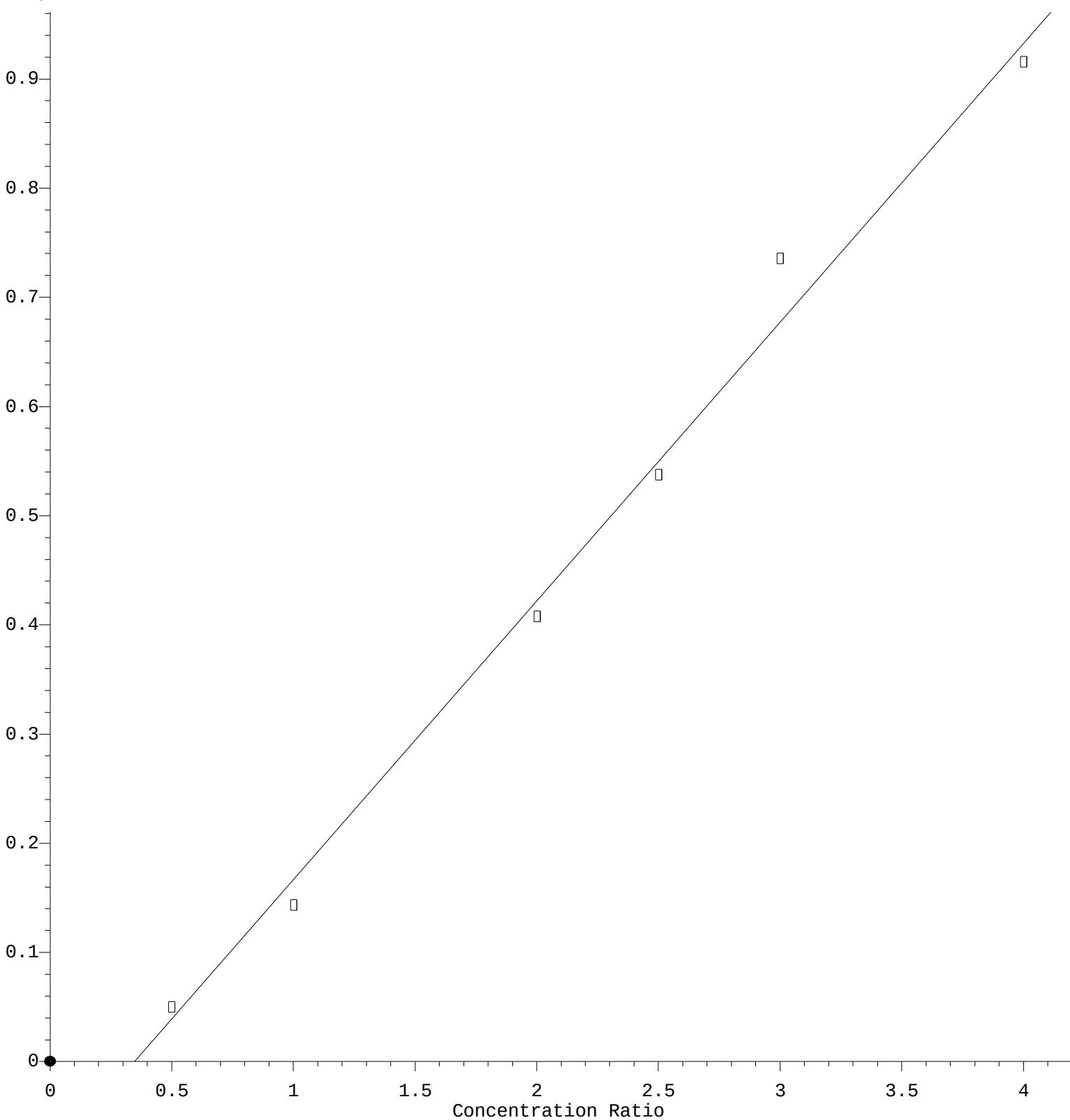
2-Nitrophenol



Response = 1.495e-001 * Amt - 2.340e-002
 Coef of Det (r^2)= 0.995585 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Benzoic acid

Response Ratio



$$\text{Response} = 2.554\text{e-}001 * \text{Amt} - 8.844\text{e-}002$$

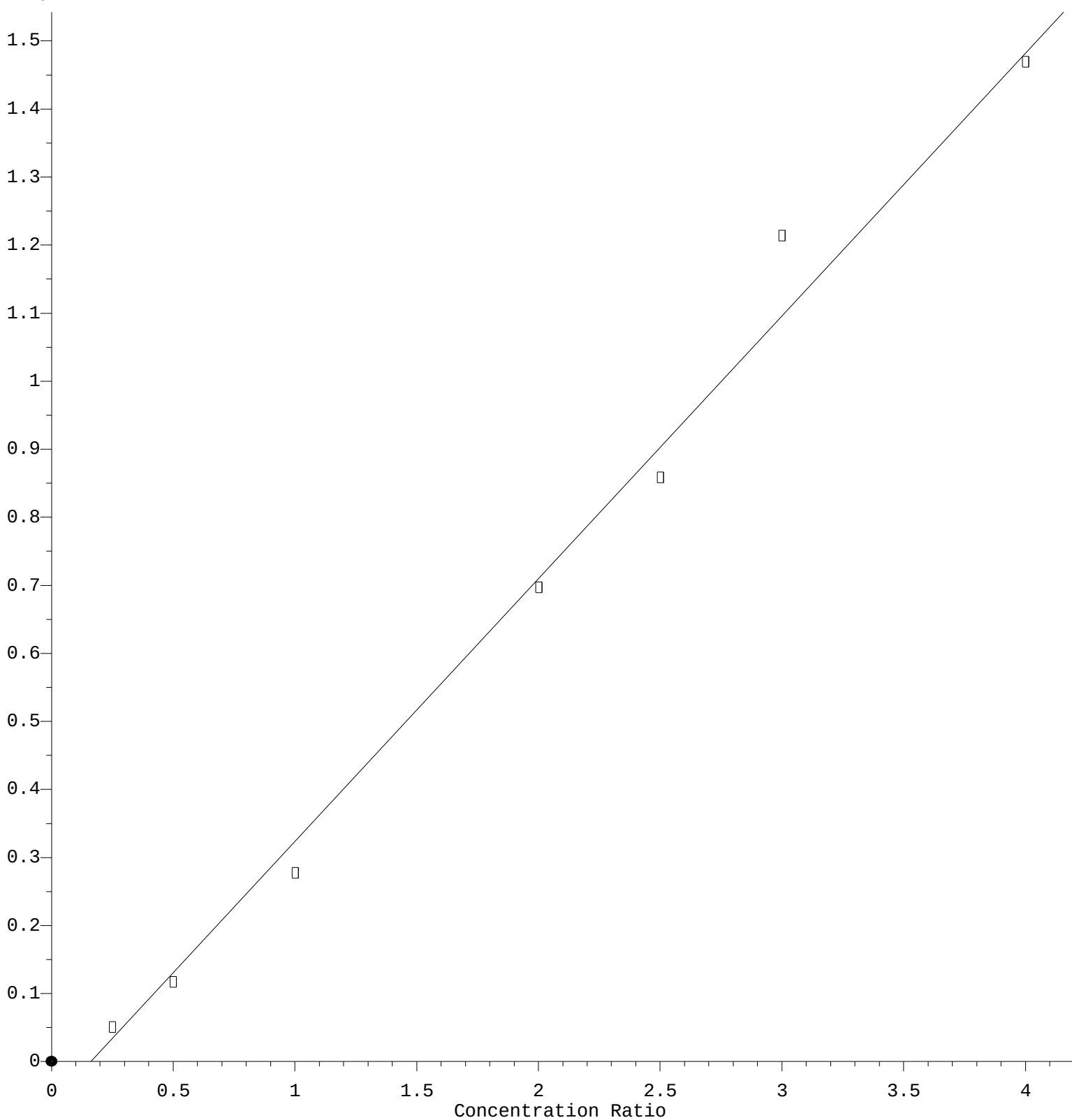
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2-Nitroaniline

Response Ratio



$$\text{Response} = 3.863\text{e-}001 * \text{Amt} - 6.228\text{e-}002$$

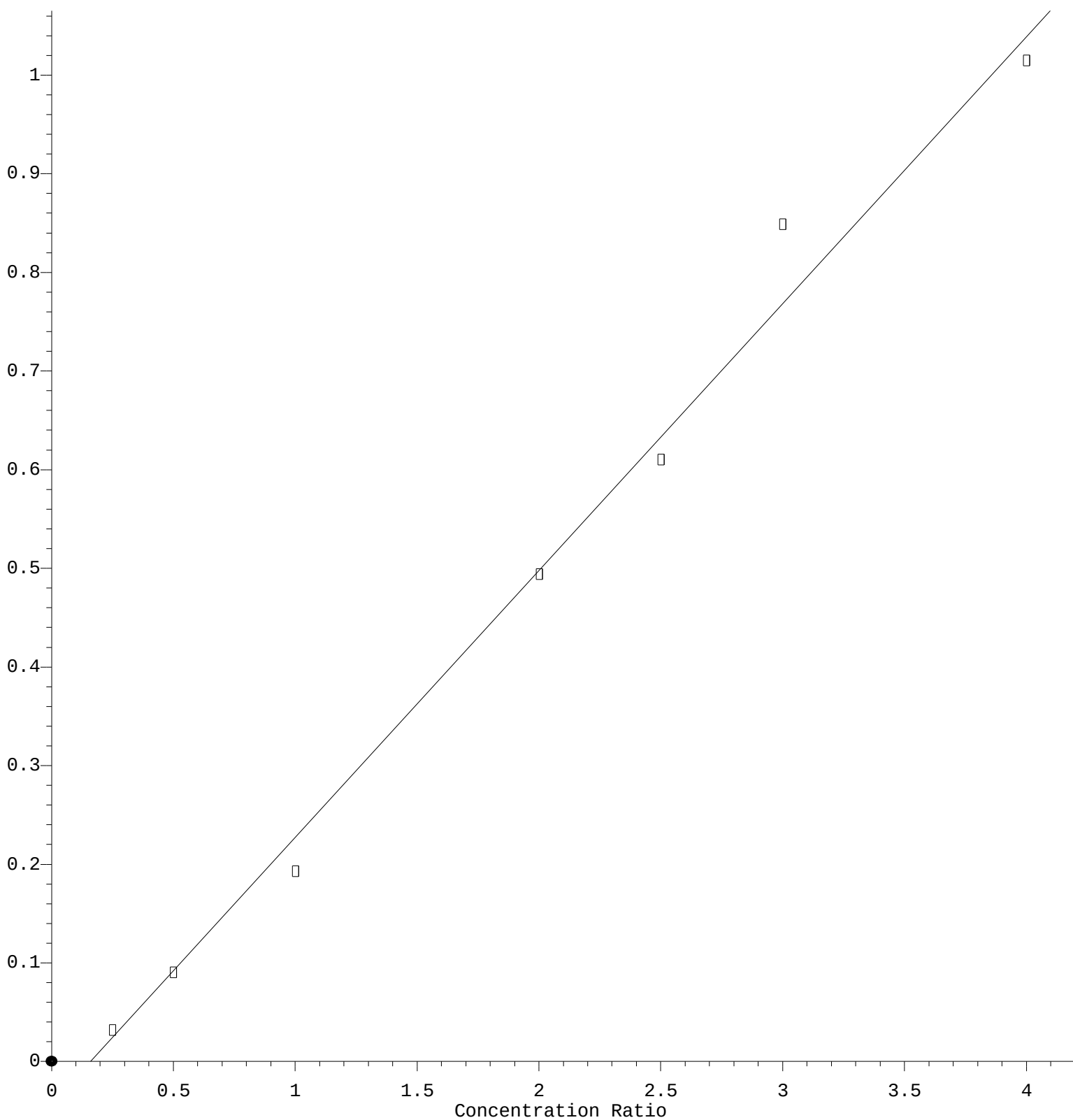
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,6-Dinitrotoluene

Response Ratio



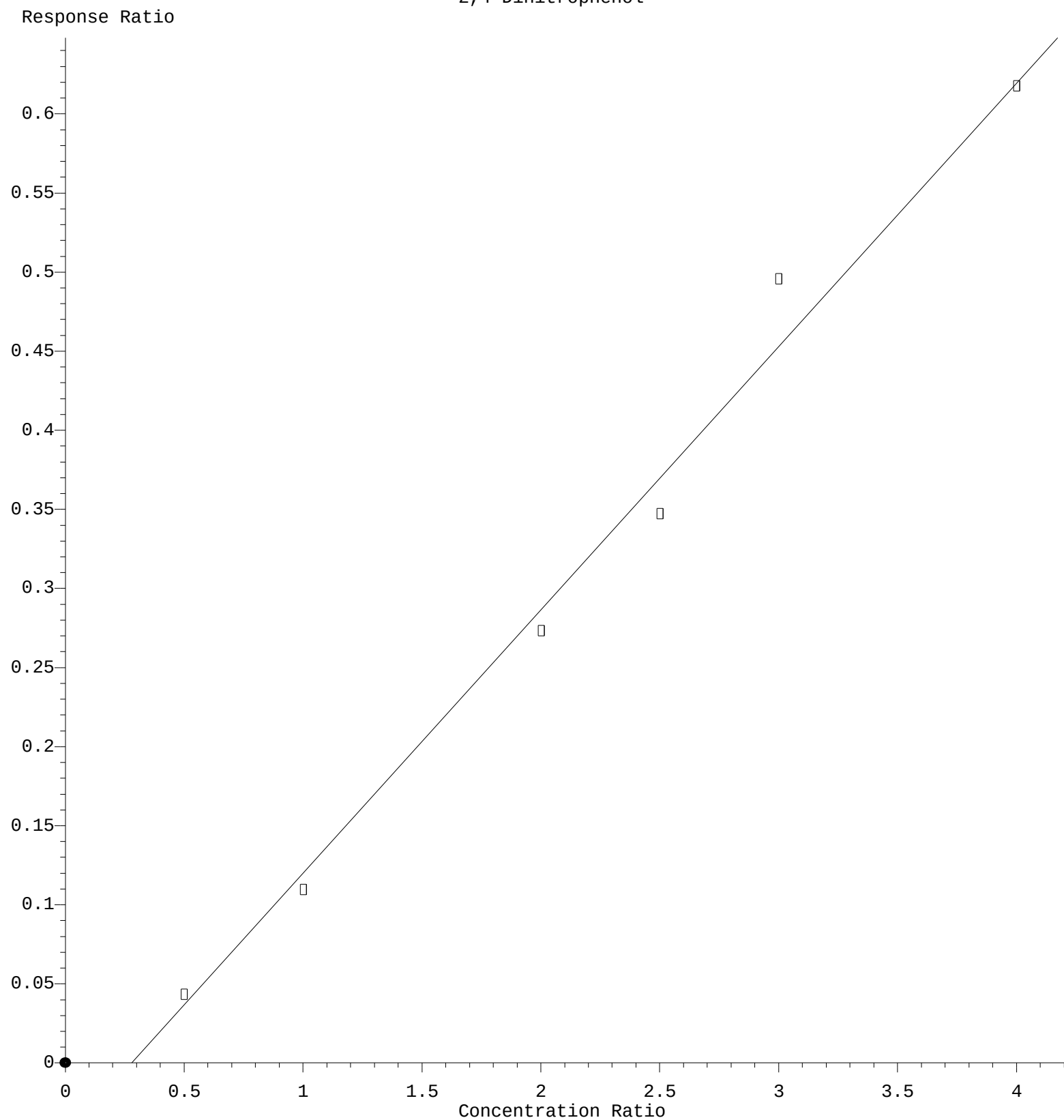
$$\text{Response} = 2.705\text{e-}001 * \text{Amt} - 4.319\text{e-}002$$

Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

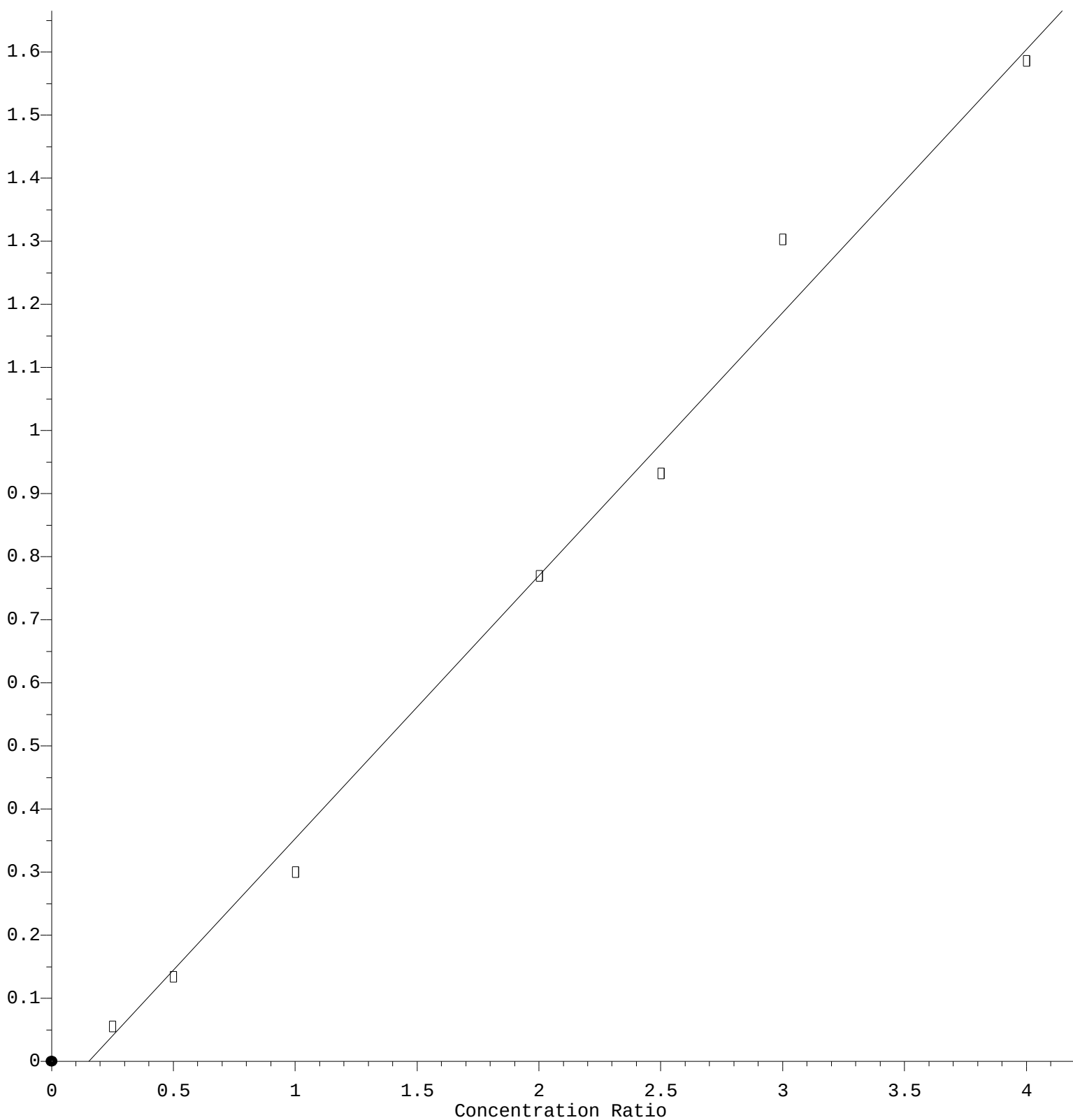
2,4-Dinitrophenol



Response = 1.666e-001 * Amt - 4.640e-002
 Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,4-Dinitrotoluene

Response Ratio



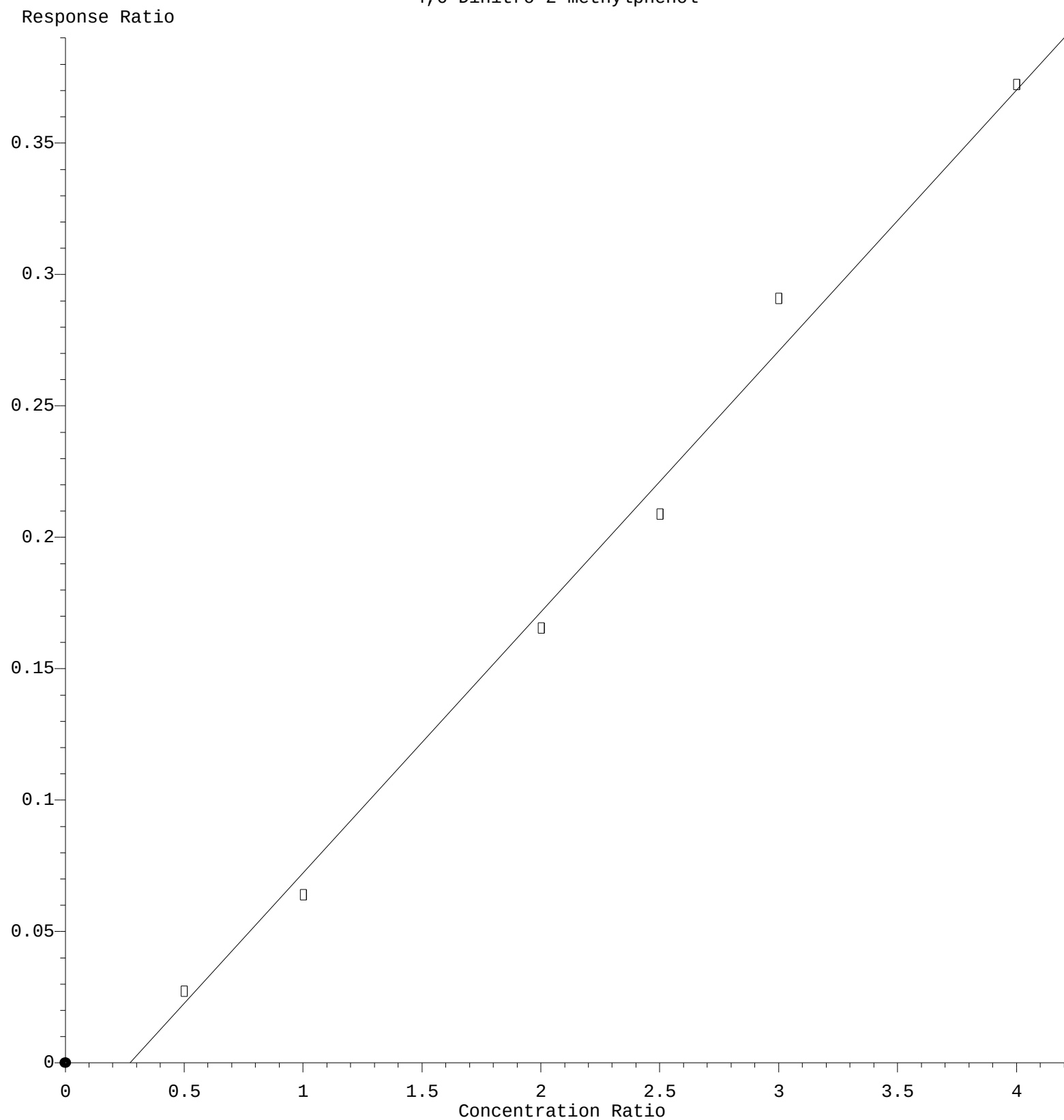
$$\text{Response} = 4.169\text{e-}001 * \text{Amt} - 6.360\text{e-}002$$

Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

4,6-Dinitro-2-methylphenol



Response = $9.922 \times 10^{-2} \times \text{Amt} - 2.692 \times 10^{-2}$
 Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

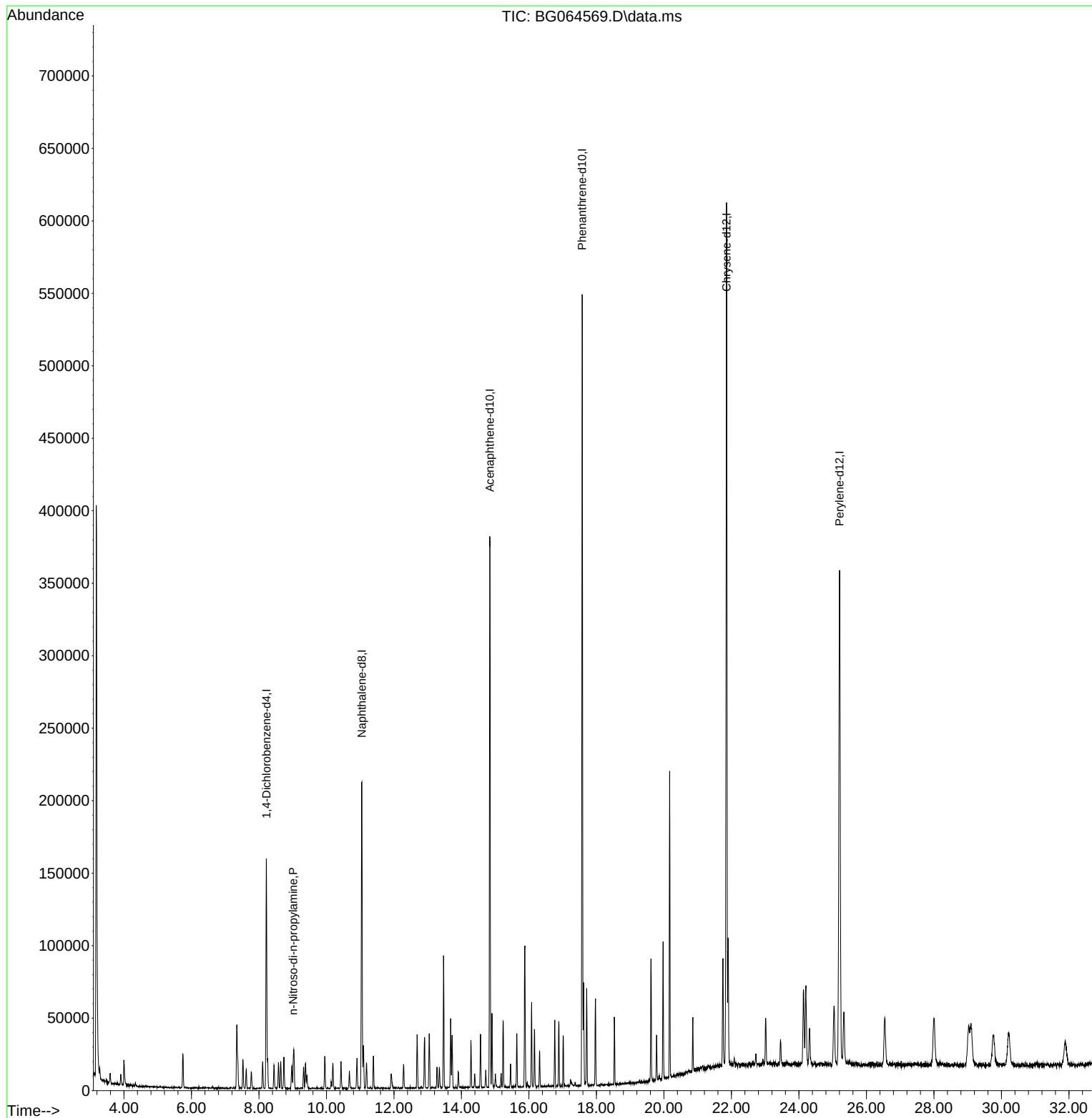
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	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						
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	Qvalue # 90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064570.D
 Acq On : 24 Oct 2025 9:41
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:58:32 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	# 0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng	0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng	0.00
86) Perylene-d12	25.199	264	401350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	22421	9.216	ng	0.00
7) Phenol-d6	7.349	99	30003	8.987	ng	0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng	0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng	95
3) Pyridine	4.000	79	16637	5.143	ng	89
6) Aniline	7.525	93	22494	4.952	ng	98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng	96
10) Phenol	7.373	94	16995	4.603	ng	96
11) bis(2-Chloroethyl)ether	7.619	93	13341	4.915	ng	95
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng	93
13) 1,4-Dichlorobenzene	8.260	146	14610m	4.902	ng	
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng	97
17) 2-Methylphenol	8.648	107	11259	4.593	ng	97
18) Hexachloroethane	9.329	117	4773	4.564	ng	97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng	92
22) Acetophenone	9.035	105	22505	4.892	ng	# 92
24) Nitrobenzene	9.423	77	11526	3.782	ng	# 95
25) Isophorone	9.946	82	31609	4.701	ng	# 93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng	99
27) 2,4-Dimethylphenol	10.193	122	9925	3.969	ng	92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng	95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng	89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng	97
31) Naphthalene	11.098	128	45559	4.883	ng	98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng	93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng	95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng	94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng	97
38) 1-Methylnaphthalene	12.901	142	33565m	4.951	ng	
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng	99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng	93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	# 91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng	95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng	96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng	87
49) Acenaphthylene	14.564	152	54748	4.923	ng	98
50) Dimethylphthalate	14.282	163	45639	4.540	ng	98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	# 91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064570.D
 Acq On : 24 Oct 2025 9:41
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:58:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 17:56:56 2025
 Response via : Initial Calibration

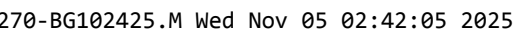
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.905	154	36982	4.867	ng	96
53) 3-Nitroaniline	14.717	138	5903	3.417	ng #	96
55) Dibenzofuran	15.234	168	61779	5.029	ng	97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng #	80
58) Fluorene	15.880	166	48305	5.035	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng #	95
60) Diethylphthalate	15.639	149	46534	4.533	ng	98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng	97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng	90
63) Azobenzene	16.162	77	44729	4.749	ng	98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng	98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng	95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng	95
69) Atrazine	17.014	200	17783	4.616	ng	94
71) Phenanthrene	17.619	178	89771	4.954	ng	99
72) Anthracene	17.713	178	90063	4.886	ng	99
73) Carbazole	17.966	167	81350	5.005	ng	98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng	99
75) Fluoranthene	19.617	202	114724	5.054	ng	98
78) Pyrene	19.975	202	122676	4.923	ng	98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng	94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng	98
83) Chrysene	21.903	228	119080	4.949	ng	97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng	98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng #	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng	98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng	99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng	99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng	96
92) Benzo(g,h,i)perylene	30.216	276	108407	4.731	ng	97

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064571.D
 Acq On : 24 Oct 2025 11:02
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:59:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng	0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng	0.00
86) Perylene-d12	25.198	264	354939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	43837	20.257	ng	0.00
7) Phenol-d6	7.348	99	60084	20.233	ng	0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng	0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng	97
3) Pyridine	3.999	79	29199	10.148	ng	95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	# 92
6) Aniline	7.530	93	42134	10.427	ng	97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng	96
9) Benzaldehyde	7.342	77	17117	10.558	ng	94
10) Phenol	7.372	94	33058	10.066	ng	87
11) bis(2-Chloroethyl)ether	7.618	93	25594	10.600	ng	91
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng	98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng	91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng	96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng	97
17) 2-Methylphenol	8.647	107	22254	10.206	ng	97
18) Hexachloroethane	9.322	117	9723	10.452	ng	93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	# 98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng	95
22) Acetophenone	9.040	105	42851	10.338	ng	# 93
24) Nitrobenzene	9.422	77	23618	8.602	ng	98
25) Isophorone	9.951	82	60347	9.962	ng	98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	# 91
27) 2,4-Dimethylphenol	10.192	122	22259	9.879	ng	96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng	98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng	94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng	93
31) Naphthalene	11.097	128	86750	10.319	ng	99
32) Benzoic acid	10.245	122	10748m	10.637	ng	
33) 4-Chloroaniline	11.185	127	34581	10.583	ng	97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng	95
35) Caprolactam	11.931	113	8521	9.162	ng	92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng	98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng	95
38) 1-Methylnaphthalene	12.906	142	64384	10.540	ng	95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng	98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng	91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064571.D
 Acq On : 24 Oct 2025 11:02
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:59:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng	94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng	96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng	98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng	91
49) Acenaphthylene	14.563	152	101526	10.198	ng	100
50) Dimethylphthalate	14.281	163	92308	10.256	ng	96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng	87
52) Acenaphthene	14.904	154	69273	10.184	ng	97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	# 92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	# 1
55) Dibenzofuran	15.239	168	115990	10.548	ng	97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng	86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	# 94
58) Fluorene	15.879	166	91712	10.679	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	# 99
60) Diethylphthalate	15.644	149	96719	10.525	ng	98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng	97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng	95
63) Azobenzene	16.161	77	88441	10.489	ng	97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng	86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng	99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng	96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng	94
69) Atrazine	17.019	200	34185	9.785	ng	99
70) Pentachlorophenol	17.225	266	19859	7.838	ng	96
71) Phenanthrene	17.618	178	170294	10.361	ng	99
72) Anthracene	17.712	178	171860	10.279	ng	98
73) Carbazole	17.965	167	155907	10.575	ng	99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng	99
75) Fluoranthene	19.616	202	219838	10.677	ng	98
77) Benzidine	19.781	184	67427	8.750	ng	99
78) Pyrene	19.975	202	228905	10.186	ng	99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng	94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng	94
83) Chrysene	21.902	228	222018	10.231	ng	97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	# 99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng	99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng	93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng	98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng	98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng	98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng	99
92) Benzo(g,h,i)perylene	30.210	276	206153	10.173	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064571.D
 Acq On : 24 Oct 2025 11:02
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

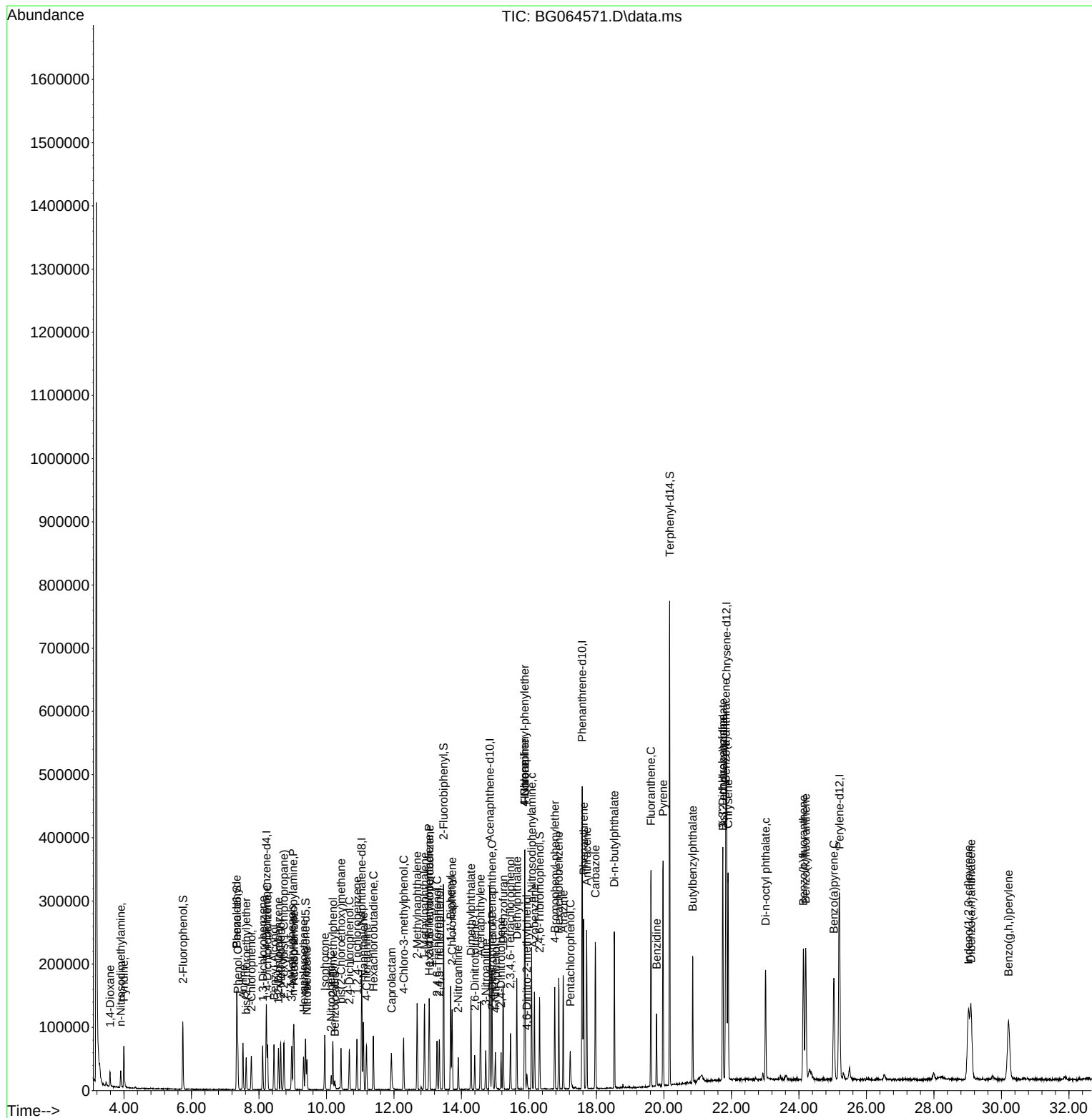
Quant Time: Nov 03 17:59:17 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064572.D
 Acq On : 24 Oct 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng	0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng	0.00
86) Perylene-d12	25.198	264	430370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	108123	38.764	ng	0.00
7) Phenol-d6	7.348	99	146608	38.304	ng	0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng	0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng	99
3) Pyridine	3.999	79	72660	19.593	ng	96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	# 90
6) Aniline	7.530	93	99762	19.155	ng	99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng	93
9) Benzaldehyde	7.342	77	46540	22.273	ng	97
10) Phenol	7.377	94	81849	19.337	ng	97
11) bis(2-Chloroethyl)ether	7.624	93	60495	19.439	ng	93
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng	99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.757	ng	94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng	99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng	97
17) 2-Methylphenol	8.646	107	55174	19.632	ng	97
18) Hexachloroethane	9.322	117	23663	19.735	ng	97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	# 94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng	94
22) Acetophenone	9.040	105	101737	19.328	ng	96
24) Nitrobenzene	9.422	77	66292	19.012	ng	95
25) Isophorone	9.951	82	148388	19.290	ng	98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng	92
27) 2,4-Dimethylphenol	10.192	122	54972	19.211	ng	90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng	97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng	96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng	97
31) Naphthalene	11.096	128	208734	19.552	ng	99
32) Benzoic acid	10.274	122	31567m	18.155	ng	
33) 4-Chloroaniline	11.190	127	79067	19.055	ng	96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng	98
35) Caprolactam	11.931	113	22010	18.635	ng	93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng	92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng	97
38) 1-Methylnaphthalene	12.906	142	149456	19.266	ng	97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng	99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064572.D
 Acq On : 24 Oct 2025 12:23
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng	93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng	94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng	99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng	98
49) Acenaphthylene	14.563	152	242914	19.454	ng	98
50) Dimethylphthalate	14.281	163	219575	19.452	ng	99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng	96
52) Acenaphthene	14.904	154	164542	19.287	ng	96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	# 99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	# 29
55) Dibenzofuran	15.239	168	269419	19.534	ng	98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng	90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	# 96
58) Fluorene	15.885	166	210426	19.536	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng	99
60) Diethylphthalate	15.644	149	223398	19.382	ng	99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng	98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng	99
63) Azobenzene	16.161	77	203101	19.205	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng	92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng	98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng	98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng	96
69) Atrazine	17.019	200	88832	21.392	ng	95
70) Pentachlorophenol	17.219	266	54275	18.022	ng	88
71) Phenanthrene	17.618	178	383359	19.624	ng	99
72) Anthracene	17.712	178	393312	19.792	ng	100
73) Carbazole	17.971	167	350722	20.014	ng	99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng	100
75) Fluoranthene	19.616	202	492924	20.142	ng	99
77) Benzidine	19.780	184	194070	21.201	ng	99
78) Pyrene	19.974	202	524431	19.646	ng	99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng	97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng	100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng	99
83) Chrysene	21.901	228	502125	19.479	ng	97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng	100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng	99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng	99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng	98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng	99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng	98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng	97
92) Benzo(g,h,i)perylene	30.221	276	468496	19.067	ng	99

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

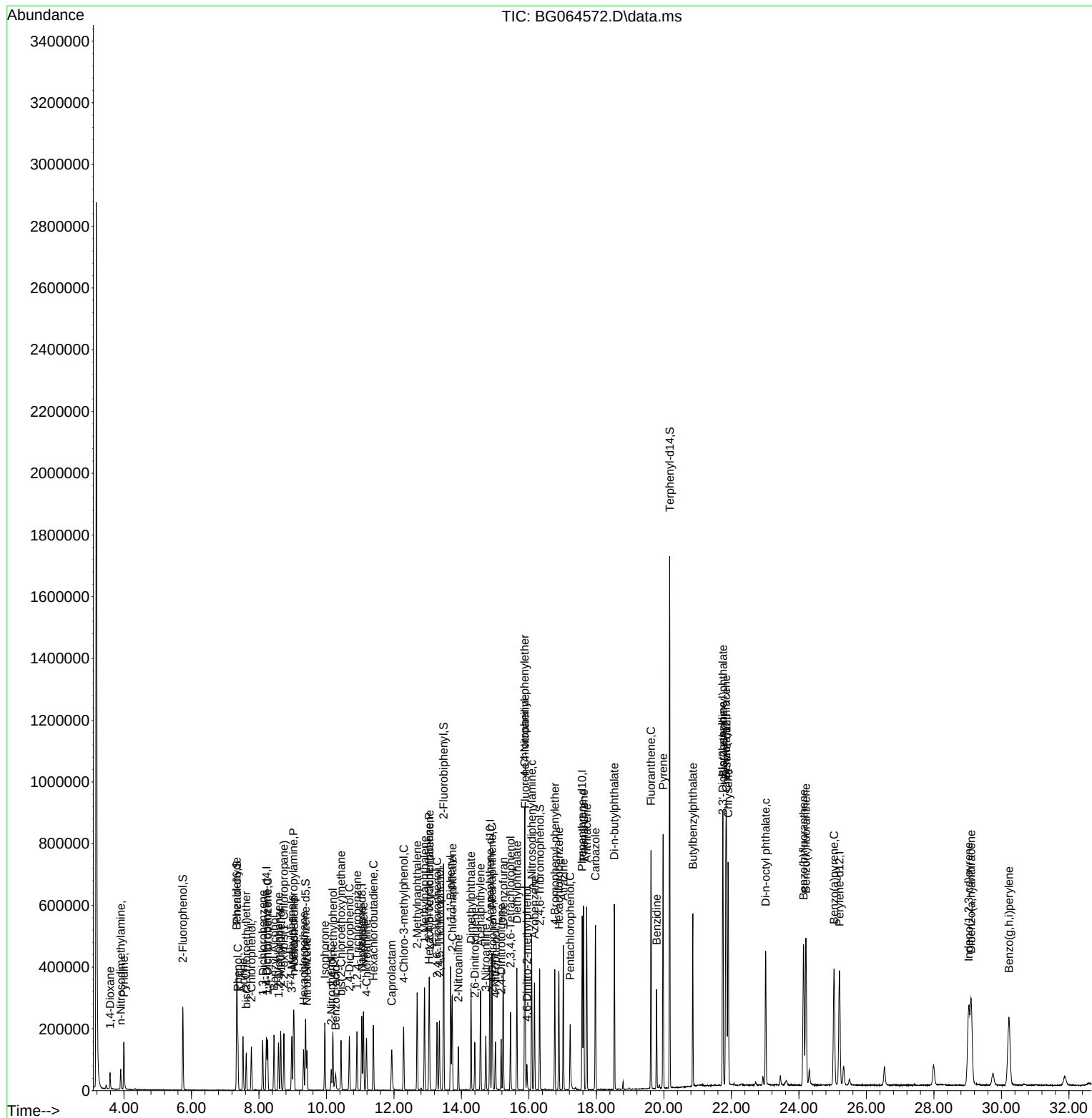
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Data File : BG064572.D  
Acq On    : 24 Oct 2025 12:23  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064573.D
 Acq On : 24 Oct 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 17:56:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.624	93	111183	41.613	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.037	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.652	107	102315	42.405	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	45.129	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	73604m	40.425	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.362	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064573.D
 Acq On : 24 Oct 2025 13:03
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 17:56:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694	ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885	ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182	ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303	ng	100
49) Acenaphthylene	14.568	152	466393	42.209	ng	100
50) Dimethylphthalate	14.286	163	428475	42.894	ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696	ng	100
52) Acenaphthene	14.909	154	319250	42.289	ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762	ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390	ng	100
55) Dibenzofuran	15.238	168	512547	41.995	ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765	ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962	ng	100
58) Fluorene	15.884	166	399745	41.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030	ng	100
60) Diethylphthalate	15.649	149	432571	42.412	ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270	ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662	ng	100
63) Azobenzene	16.166	77	401676	42.922	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770	ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563	ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265	ng	100
69) Atrazine	17.024	200	153706	42.203	ng	100
70) Pentachlorophenol	17.224	266	112769	42.694	ng	100
71) Phenanthrene	17.624	178	728184	42.500	ng	100
72) Anthracene	17.712	178	743567	42.663	ng	100
73) Carbazole	17.970	167	646319	42.053	ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711	ng	100
75) Fluoranthene	19.615	202	902557	42.050	ng	100
77) Benzidine	19.780	184	325845	43.697	ng	100
78) Pyrene	19.974	202	939110	43.186	ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601	ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723	ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131	ng	100
83) Chrysene	21.907	228	894813	42.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494	ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688	ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624	ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108	ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878	ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635	ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430	ng	100
92) Benzo(g,h,i)perylene	30.232	276	851248	42.492	ng	100

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

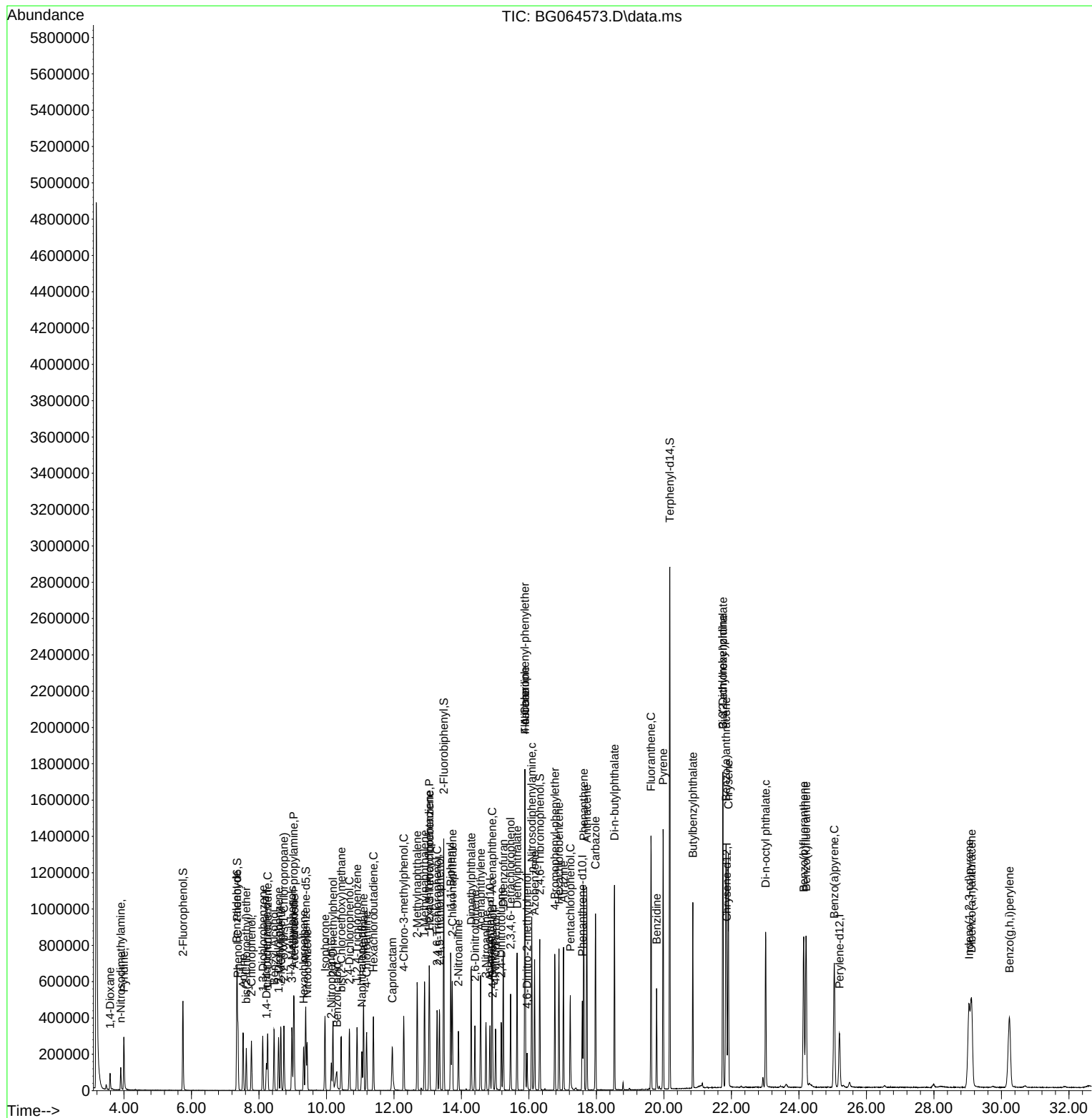
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTIDICC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064574.D
 Acq On : 24 Oct 2025 13:44
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:01:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 17:56:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng	0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng	0.00
86) Perylene-d12	25.205	264	350916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	318446	132.728	ng	0.00
7) Phenol-d6	7.355	99	450449	136.821	ng	0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng	0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng	0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng	0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng	98
3) Pyridine	4.001	79	209372	65.637	ng	98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng	94
6) Aniline	7.532	93	294791	65.803	ng	98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng	98
9) Benzaldehyde	7.344	77	118559	65.963	ng	98
10) Phenol	7.379	94	244914	67.267	ng	98
11) bis(2-Chloroethyl)ether	7.626	93	174337	65.126	ng	100
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng	99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.156	ng	95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng	98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng	100
17) 2-Methylphenol	8.648	107	162536	67.237	ng	98
18) Hexachloroethane	9.324	117	67237	65.193	ng	99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng	99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng	98
22) Acetophenone	9.048	105	297413	64.759	ng	# 96
24) Nitrobenzene	9.430	77	220774	72.567	ng	98
25) Isophorone	9.958	82	449298	66.940	ng	99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng	98
27) 2,4-Dimethylphenol	10.193	122	173061	69.317	ng	97
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng	99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng	96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng	95
31) Naphthalene	11.098	128	605239	64.976	ng	99
32) Benzoic acid	10.340	122	130898m	65.612	ng	
33) 4-Chloroaniline	11.192	127	245101	67.699	ng	98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng	97
35) Caprolactam	11.968	113	71319	69.206	ng	96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng	100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng	98
38) 1-Methylnaphthalene	12.908	142	442677	65.402	ng	99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng	100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng	99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064574.D
 Acq On : 24 Oct 2025 13:44
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:01:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 17:56:56 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng	96
46) 1,1'-Biphenyl	13.683	154	606860	63.233	ng	98
47) 2-Chloronaphthalene	13.730	162	463792	64.022	ng	98
48) 2-Nitroaniline	13.913	65	163796	66.052	ng	95
49) Acenaphthylene	14.571	152	739728	64.738	ng	100
50) Dimethylphthalate	14.289	163	688128	66.616	ng	99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951	ng	95
52) Acenaphthene	14.911	154	510499	65.392	ng	98
53) 3-Nitroaniline	14.729	138	131776	74.231	ng	91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082	ng	# 75
55) Dibenzofuran	15.240	168	804964	63.779	ng	97
56) 4-Nitrophenol	15.017	139	114408	69.512	ng	97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	# 100
58) Fluorene	15.887	166	627437	63.656	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng	99
60) Diethylphthalate	15.652	149	695924	65.982	ng	99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng	99
62) 4-Nitroaniline	15.893	138	143839	72.832	ng	98
63) Azobenzene	16.169	77	633520	65.464	ng	99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng	93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng	99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng	100
68) Hexachlorobenzene	16.891	284	293831	67.001	ng	96
69) Atrazine	17.026	200	254070	67.378	ng	97
70) Pentachlorophenol	17.226	266	193954	70.923	ng	91
71) Phenanthrene	17.626	178	1147317	64.676	ng	99
72) Anthracene	17.714	178	1171223	64.905	ng	99
73) Carbazole	17.972	167	1000680	62.887	ng	99
74) Di-n-butylphthalate	18.536	149	1165396	63.334	ng	99
75) Fluoranthene	19.618	202	1364891	61.419	ng	98
77) Benzidine	19.782	184	544918	71.348	ng	99
78) Pyrene	19.976	202	1437669	64.549	ng	99
80) Butylbenzylphthalate	20.857	149	477358	70.914	ng	98
81) Benzo(a)anthracene	21.839	228	1462488	64.702	ng	99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng	99
83) Chrysene	21.909	228	1389821	64.621	ng	98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng	98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379	ng	100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng	98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng	99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng	99
90) Benzo(a)pyrene	25.052	252	1311701	66.315	ng	100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng	99
92) Benzo(g,h,i)perylene	30.246	276	1347382	67.253	ng	98

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

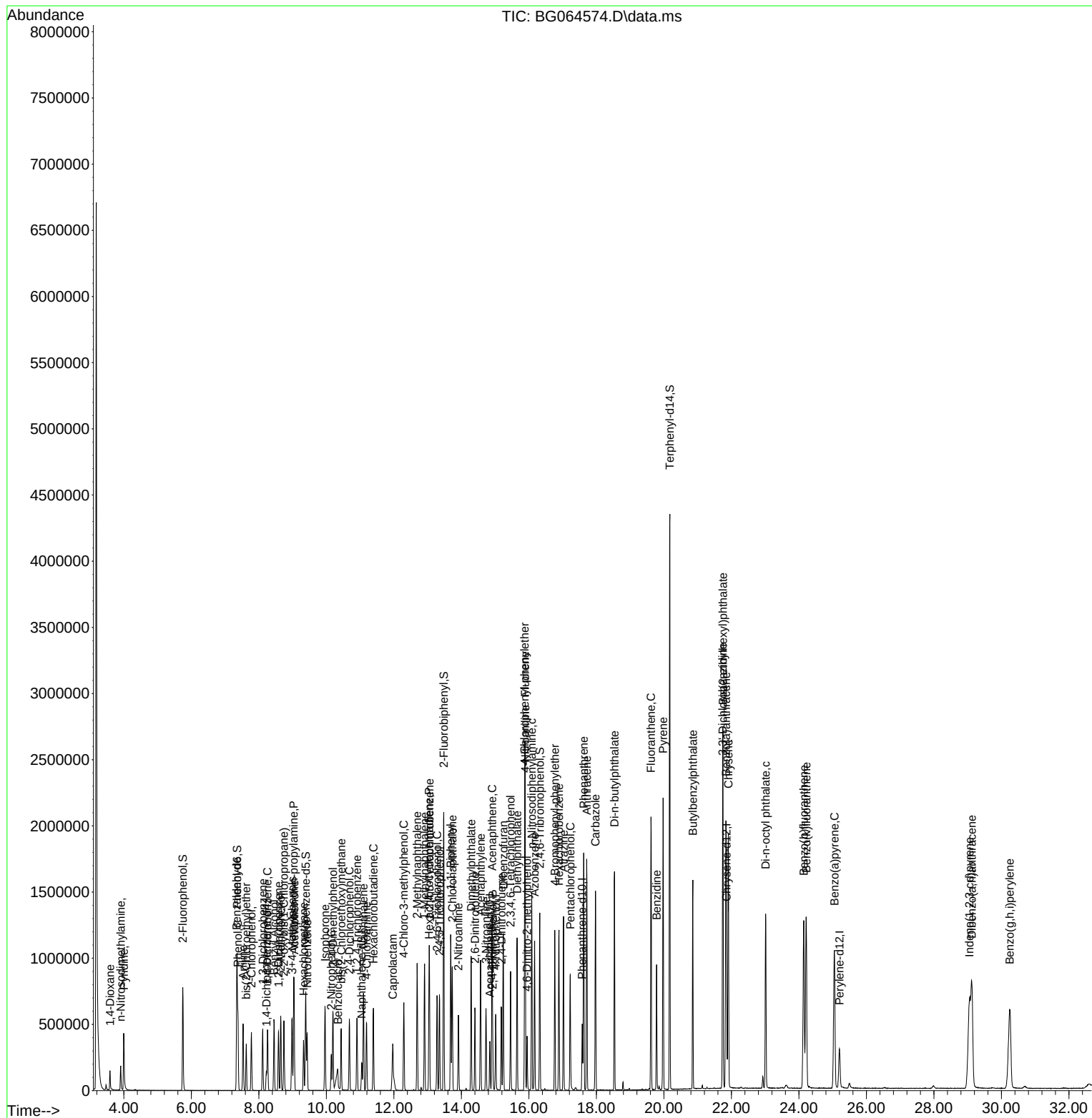
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng	0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng	0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng	0.00
86) Perylene-d12	25.201	264	382372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	411587	151.948	ng	0.00
7) Phenol-d6	7.357	99	554287	149.124	ng	0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng	0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng	99
3) Pyridine	3.996	79	259519	72.062	ng	96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng	99
6) Aniline	7.533	93	364528	72.073	ng	99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng	99
9) Benzaldehyde	7.339	77	120456	59.361	ng	94
10) Phenol	7.386	94	307886	74.900	ng	98
11) bis(2-Chloroethyl)ether	7.627	93	217960	72.119	ng	96
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng	98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.502	ng	97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng	98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng	99
17) 2-Methylphenol	8.649	107	203667	74.625	ng	97
18) Hexachloroethane	9.325	117	87876	75.469	ng	98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng	99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng	98
22) Acetophenone	9.049	105	365265	74.412	ng	# 99
24) Nitrobenzene	9.431	77	273231	84.025	ng	97
25) Isophorone	9.966	82	539122	75.150	ng	100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng	94
27) 2,4-Dimethylphenol	10.195	122	208054	77.967	ng	97
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng	99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng	97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng	97
31) Naphthalene	11.100	128	744985	74.828	ng	99
32) Benzoic acid	10.342	122	169962m	77.917	ng	
33) 4-Chloroaniline	11.188	127	290611	75.100	ng	98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng	99
35) Caprolactam	11.975	113	83266	75.596	ng	93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng	99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng	99
38) 1-Methylnaphthalene	12.909	142	527717	72.945	ng	98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng	99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng	99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng	99
46) 1,1'-Biphenyl	13.685	154	713186	74.977	ng	100
47) 2-Chloronaphthalene	13.732	162	547242	76.218	ng	99
48) 2-Nitroaniline	13.914	65	196580	79.301	ng	95
49) Acenaphthylene	14.566	152	858511	75.806	ng	99
50) Dimethylphthalate	14.290	163	782708	76.450	ng	98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216	ng	98
52) Acenaphthene	14.913	154	589213	76.150	ng	99
53) 3-Nitroaniline	14.731	138	159072	90.409	ng	96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755	ng	# 65
55) Dibenzofuran	15.242	168	923386	73.816	ng	99
56) 4-Nitrophenol	15.018	139	142966	87.640	ng	98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117	ng	96
58) Fluorene	15.888	166	711212	72.801	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng	99
60) Diethylphthalate	15.653	149	803621	76.874	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng	99
62) 4-Nitroaniline	15.894	138	173159	88.462	ng	96
63) Azobenzene	16.170	77	723988	75.482	ng	99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng	95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng	98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng	99
68) Hexachlorobenzene	16.893	284	341338	75.724	ng	96
69) Atrazine	17.028	200	281950	72.745	ng	97
70) Pentachlorophenol	17.228	266	235472	83.771	ng	93
71) Phenanthrene	17.627	178	1340610	73.525	ng	99
72) Anthracene	17.715	178	1367044	73.704	ng	99
73) Carbazole	17.974	167	1195960	73.122	ng	99
74) Di-n-butylphthalate	18.538	149	1433446	75.790	ng	100
75) Fluoranthene	19.619	202	1663673	72.835	ng	98
77) Benzidine	19.783	184	556525	68.376	ng	98
78) Pyrene	19.977	202	1737788	73.215	ng	99
80) Butylbenzylphthalate	20.859	149	595333	82.988	ng	98
81) Benzo(a)anthracene	21.840	228	1805628	74.959	ng	99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng	99
83) Chrysene	21.910	228	1704533	74.368	ng	97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng	98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289	ng	100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng	98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng	99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng	98
90) Benzo(a)pyrene	25.060	252	1649779	76.546	ng	99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng	98
92) Benzo(g,h,i)perylene	30.265	276	1669976	76.498	ng	99

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

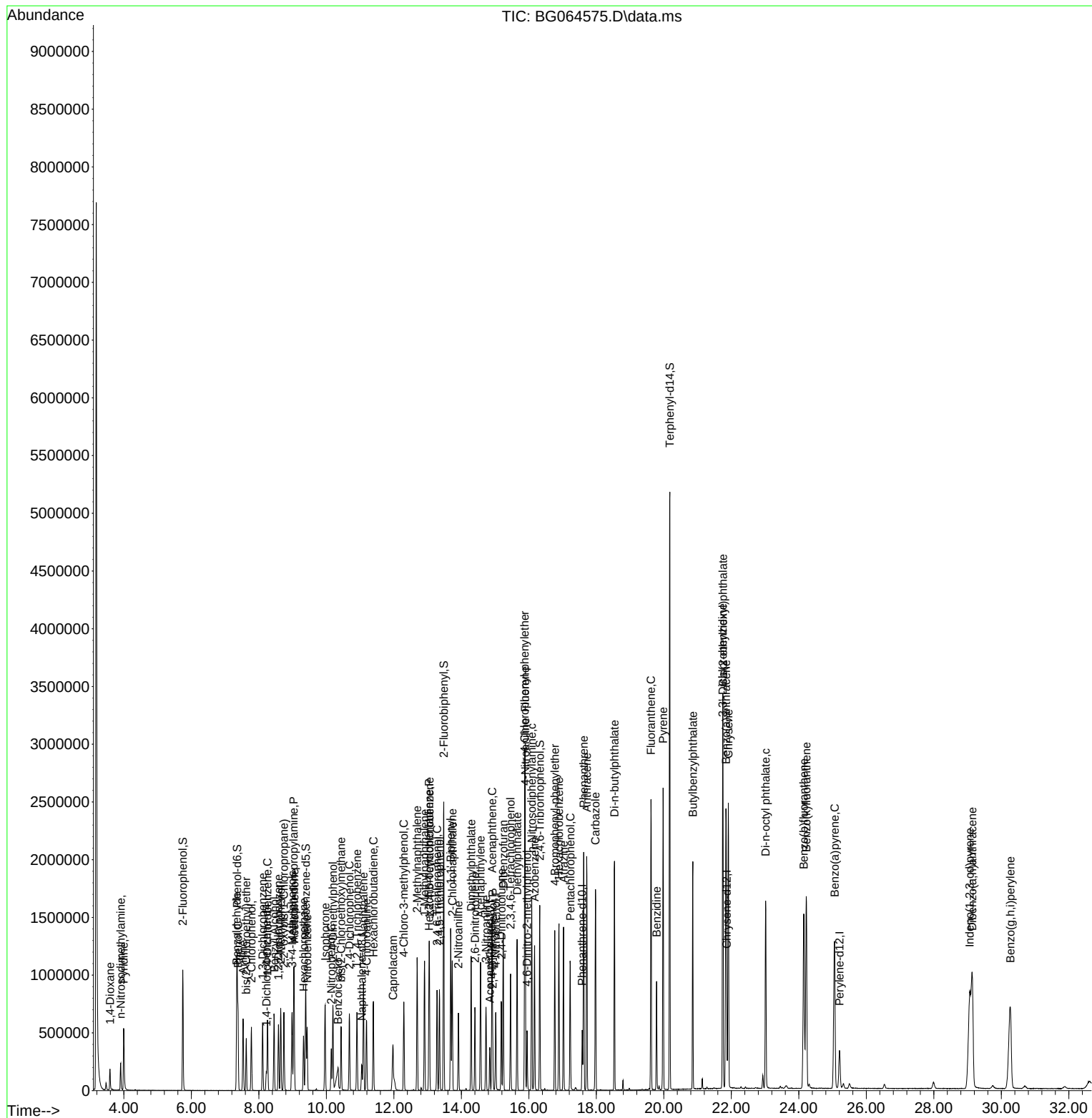
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Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064576.D
 Acq On : 24 Oct 2025 15:32
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng	0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng	0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng	0.00
86) Perylene-d12	25.210	264	385865	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	249333	95.606	ng	0.00
7) Phenol-d6	7.354	99	349586	97.687	ng	0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng	0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng	0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng	99
3) Pyridine	3.999	79	161000	46.434	ng	96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng	92
6) Aniline	7.536	93	228687	46.963	ng	99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng	96
9) Benzaldehyde	7.343	77	91457	46.812	ng	96
10) Phenol	7.384	94	192663	48.681	ng	98
11) bis(2-Chloroethyl)ether	7.630	93	139360	47.894	ng	95
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng	98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.293	ng	93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng	96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng	99
17) 2-Methylphenol	8.653	107	126868	48.282	ng	94
18) Hexachloroethane	9.328	117	54330	48.463	ng	94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng	97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng	99
22) Acetophenone	9.046	105	234956	47.155	ng	# 100
24) Nitrobenzene	9.428	77	171837	52.060	ng	96
25) Isophorone	9.957	82	348174	47.813	ng	97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng	90
27) 2,4-Dimethylphenol	10.198	122	135402	49.988	ng	96
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng	99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng	94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng	94
31) Naphthalene	11.103	128	471891	46.695	ng	98
32) Benzoic acid	10.321	122	97970m	47.410	ng	
33) 4-Chloroaniline	11.191	127	186814	47.560	ng	98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng	98
35) Caprolactam	11.961	113	53689	48.020	ng	# 93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng	98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng	97
38) 1-Methylnaphthalene	12.913	142	342687	46.666	ng	95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng	99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng	98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064576.D
 Acq On : 24 Oct 2025 15:32
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 03 17:56:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng	96
46) 1,1'-Biphenyl	13.688	154	470676	46.613	ng	99
47) 2-Chloronaphthalene	13.729	162	359811	47.208	ng	99
48) 2-Nitroaniline	13.911	65	121908	47.668	ng	92
49) Acenaphthylene	14.569	152	565771	47.060	ng	99
50) Dimethylphthalate	14.293	163	519303	47.781	ng	99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306	ng	99
52) Acenaphthene	14.910	154	388012	47.239	ng	99
53) 3-Nitroaniline	14.734	138	99748	53.405	ng	96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268	ng	89
55) Dibenzofuran	15.239	168	615553	46.355	ng	99
56) 4-Nitrophenol	15.016	139	88609	51.169	ng	95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	# 99
58) Fluorene	15.891	166	481625	46.441	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng	99
60) Diethylphthalate	15.650	149	527594	47.543	ng	100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng	98
62) 4-Nitroaniline	15.891	138	110067	52.970	ng	98
63) Azobenzene	16.168	77	475203	46.671	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng	95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng	99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng	96
68) Hexachlorobenzene	16.890	284	223018	48.043	ng	94
69) Atrazine	17.025	200	187862	47.066	ng	96
70) Pentachlorophenol	17.225	266	147427	50.930	ng	95
71) Phenanthrene	17.625	178	875415	46.621	ng	99
72) Anthracene	17.719	178	893629	46.785	ng	99
73) Carbazole	17.977	167	781031	46.370	ng	100
74) Di-n-butylphthalate	18.535	149	930281	47.762	ng	100
75) Fluoranthene	19.622	202	1092855	46.459	ng	99
77) Benzidine	19.787	184	382418	46.435	ng	100
78) Pyrene	19.981	202	1133345	47.190	ng	99
80) Butylbenzylphthalate	20.856	149	374611	51.609	ng	100
81) Benzo(a)anthracene	21.843	228	1151242	47.234	ng	99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng	97
83) Chrysene	21.908	228	1091456	47.062	ng	98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng	98
85) Di-n-octyl phthalate	23.018	149	896763	49.039	ng	99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng	97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng	100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng	98
90) Benzo(a)pyrene	25.051	252	1029605	47.339	ng	99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng	99
92) Benzo(g,h,i)perylene	30.245	276	1039447	47.184	ng	99

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

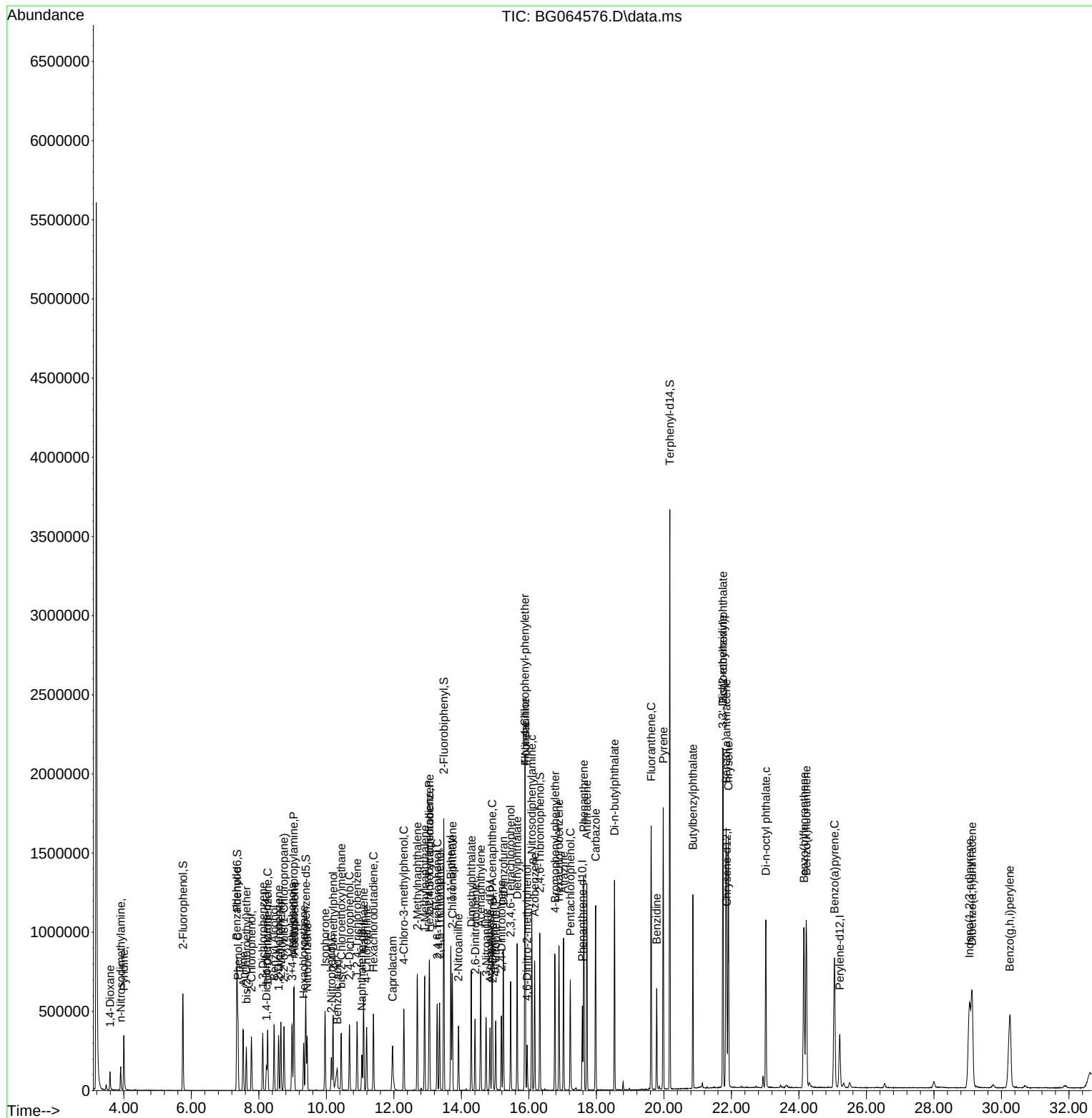

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Data File : BG064576.D  
Acq On    : 24 Oct 2025  15:32  
Operator  : RC/JU  
Sample    : SSTDICC050  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.623	93	86447	34.973	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.634	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.651	107	85863	38.466	ng	93
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	94545	40.491	ng	99
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	48162	29.620	ng	96
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.513	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng	99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng	99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng	97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng	96
49) Acenaphthylene	14.568	152	435836	41.457	ng	98
50) Dimethylphthalate	14.292	163	350600	36.890	ng	100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng	100
52) Acenaphthene	14.908	154	253833	35.340	ng	98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng	99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	# 56
55) Dibenzofuran	15.237	168	419154	36.096	ng	97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng	92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng	96
58) Fluorene	15.890	166	328636	36.238	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng	97
60) Diethylphthalate	15.649	149	348964	35.961	ng	99
61) 4-Chlorophenyl-phenylether	15.878	204	182714	35.902	ng	99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng	97
63) Azobenzene	16.172	77	323432	36.325	ng	97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng	94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng	98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng	97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng	96
69) Atrazine	17.024	200	130007	38.558	ng	96
70) Pentachlorophenol	17.223	266	85166	34.829	ng	90
71) Phenanthrene	17.623	178	569825	35.925	ng	99
72) Anthracene	17.717	178	584246	36.210	ng	99
73) Carbazole	17.975	167	498849	35.061	ng	99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng	99
75) Fluoranthene	19.621	202	676996	34.070	ng	99
77) Benzidine	19.785	184	356547	54.203	ng	99
78) Pyrene	19.979	202	693068	36.130	ng	99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng	98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng	99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng	96
83) Chrysene	21.906	228	658217	35.533	ng	98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng	96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng	99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng	99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng	99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng	99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng	98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng	96
92) Benzo(g,h,i)perylene	30.232	276	653564	37.302	ng	98

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Abundance

TIC: BG064577.D\data.ms

Time-->

1,4-Dioxane
p-Nitrosodiphenylamine,
2-Fluorophenol,S
Benzofuran,C
bis(2-chlorophenyl) ether
1,4-Dichlorobenzene,C
Benzofuran,C
2,2'-bis(4-chlorophenyl)propane
3,4,4'-Trichlorobenzene
Hexachlorobenzene-d5,S
Isobutylene
2-Nitrophenol,C
Benzofuran,C
2,4-Dichlorophenol
Naphthalene-1,4-diol
Hexachlorobutadiene,C
Caprolactam
4-Chloro-3-methylphenol,C
2-Methylphthalate
2,4,6-Trichlorophenol,C
2-Nitroaniline
2-Chlorophenol
2,6-Dinitrotoluene
Dimethylphthalate
Acenaphthylene
Acenaphthene,C
4-Nitrophenol
2,4-Dinitrotoluene
2,3,4,6-Tetrachlorophthalate
4,6-Dinitro-2-methylphenol
p-Nitrosodiphenylamine,c
4,6-Trinitrophenol,S
Azobenzene
4-Nitrophenyl ether
4-Hexoxyphenyl ether
Pentachlorophenol,C
Phenanthrene-d10,
Phenanthrene-d10,
Carbazole
Di-n-butylphthalate
Benzidine
Fluoranthene,C
Pyrene
Butylbenzylphthalate
Chrysene-d12,
Chrysene
3,3'-Bis(4-ethoxyphenyl)phthalate
Di-n-octyl phthalate,c
Benzofuran,C
Benzofuran,C
Benzo(a)pyrene, C
Perylene-d12,l
Indeno(1,2,3-cd)pyrene
Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2	1,4-Dioxane	40.000	33.820	15.4	79	0.00
3	Pyridine	40.000	33.313	16.7	73	0.00
4	n-Nitrosodimethylamine	40.000	36.025	9.9	79	0.00
5 S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6	Aniline	40.000	38.118	4.7	82	0.00
7 S	Phenol-d6	80.000	74.109	7.4	79	0.00
8	2-Chlorophenol	40.000	36.981	7.5	78	0.00
9	Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10 C	Phenol	40.000	36.410	9.0	78	0.00
11	bis(2-Chloroethyl)ether	40.000	34.973	12.6	78	0.00
12	1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13 C	1,4-Dichlorobenzene	40.000	37.634	5.9	83	0.00
14	1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15	Benzyl Alcohol	40.000	37.995	5.0	83	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17	2-Methylphenol	40.000	38.466	3.8	84	0.00
18	Hexachloroethane	40.000	35.743	10.6	78	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20	3+4-Methylphenols	40.000	37.882	5.3	81	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22	Acetophenone	40.000	37.806	5.5	84	0.00
23 S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24	Nitrobenzene	40.000	39.305	1.7	83	0.00
25	Isophorone	40.000	37.733	5.7	83	0.00
26 C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27	2,4-Dimethylphenol	40.000	40.491	-1.2	86	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29 C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30	1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31	Naphthalene	40.000	35.709	10.7	80	0.00
32	Benzoic acid	40.000	29.620	25.9#	65	-0.01
33	4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34 C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35	Caprolactam	40.000	36.326	9.2	79	0.00
36 C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37	2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38	1-Methylnaphthalene	40.000	35.513	11.2	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42 S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44	2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45 S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46	1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47	2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	36.129	9.7	87	0.00
49	Acenaphthylene	40.000	41.457	-3.6	93	0.00
50	Dimethylphthalate	40.000	36.890	7.8	82	0.00
51	2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52 C	Acenaphthene	40.000	35.340	11.6	80	0.00
53	3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54 P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55	Dibenzofuran	40.000	36.096	9.8	82	0.00
56 P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57	2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58	Fluorene	40.000	36.238	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60	Diethylphthalate	40.000	35.961	10.1	81	0.00
61	4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62	4-Nitroaniline	40.000	37.867	5.3	81	0.00
63	Azobenzene	40.000	36.325	9.2	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67	4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68	Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69	Atrazine	40.000	38.558	3.6	85	0.00
70 C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71	Phenanthrene	40.000	35.925	10.2	78	0.00
72	Anthracene	40.000	36.210	9.5	79	0.00
73	Carbazole	40.000	35.061	12.3	77	0.00
74	Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75 C	Fluoranthene	40.000	34.070	14.8	75	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77	Benzydine	40.000	54.203	-35.5#	109	0.00
78	Pyrene	40.000	36.130	9.7	74	0.00
79 S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80	Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81	Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82	3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83	Chrysene	40.000	35.533	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85 c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86 I	Perylene-d12	20.000	20.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	0.00
88	Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89	Benzo(k)fluoranthene	40.000	37.252	6.9	78	0.00
90 C	Benzo(a)pyrene	40.000	37.700	5.7	77	0.00
91	Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	0.01
92	Benzo(g,h,i)perylene	40.000	37.302	6.7	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
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Instrument :
 BNA_G
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Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	1,4-Dioxane	0.528	0.446	15.5	79	0.00
3	Pyridine	1.584	1.319	16.7	73	0.00
4	n-Nitrosodimethylamine	0.850	0.765	10.0	79	0.00
5 S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6	Aniline	2.225	2.120	4.7	82	0.00
7 S	Phenol-d6	1.635	1.515	7.3	79	0.00
8	2-Chlorophenol	1.247	1.153	7.5	78	0.00
9	Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10 C	Phenol	1.808	1.646	9.0	78	0.00
11	bis(2-Chloroethyl)ether	1.329	1.162	12.6	78	0.00
12	1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13 C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14	1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15	Benzyl Alcohol	1.348	1.281	5.0	83	0.00
16	2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17	2-Methylphenol	1.201	1.155	3.8	84	0.00
18	Hexachloroethane	0.512	0.458	10.5	78	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20	3+4-Methylphenols	1.688	1.599	5.3	81	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	Acetophenone	0.547	0.517	5.5	84	0.00
23 S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24	Nitrobenzene	0.362	0.356	1.7	83	0.00
25	Isophorone	0.799	0.754	5.6	83	0.00
26 C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27	2,4-Dimethylphenol	0.297	0.301	-1.3	86	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29 C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30	1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31	Naphthalene	1.109	0.990	10.7	80	0.00
32	Benzoic acid	0.207	0.153	26.1#	65	-0.01
33	4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34 C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35	Caprolactam	0.123	0.111	9.8	79	0.00
36 C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37	2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38	1-Methylnaphthalene	0.806	0.716	11.2	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42 S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44	2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45 S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46	1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47	2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Nov 04 00:39:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	0.311	0.318	-2.3	87	0.00
49	Acenaphthylene	1.693	1.755	-3.7	93	0.00
50	Dimethylphthalate	1.530	1.411	7.8	82	0.00
51	2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52 C	Acenaphthene	1.157	1.022	11.7	80	0.00
53	3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54 P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55	Dibenzofuran	1.870	1.687	9.8	82	0.00
56 P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57	2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58	Fluorene	1.460	1.323	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60	Diethylphthalate	1.563	1.405	10.1	81	0.00
61	4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62	4-Nitroaniline	0.293	0.277	5.5	81	0.00
63	Azobenzene	1.434	1.302	9.2	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67	4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68	Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69	Atrazine	0.232	0.224	3.4	85	0.00
70 C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71	Phenanthrene	1.094	0.982	10.2	78	0.00
72	Anthracene	1.113	1.007	9.5	79	0.00
73	Carbazole	0.981	0.860	12.3	77	0.00
74	Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75 C	Fluoranthene	1.370	1.167	14.8	75	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77	Benzidine	0.448	0.607	-35.5#	109	0.00
78	Pyrene	1.307	1.180	9.7	74	0.00
79 S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80	Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81	Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82	3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83	Chrysene	1.262	1.121	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85 c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86 I	Perylene-d12	1.000	1.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	0.00
88	Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89	Benzo(k)fluoranthene	1.227	1.143	6.8	78	0.00
90 C	Benzo(a)pyrene	1.127	1.062	5.8	77	0.00
91	Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	0.01
92	Benzo(g,h,i)perylene	1.142	1.065	6.7	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_PCalibration Date(s): 10/29/2025 10/29/2025Calibration Time(s): 09:26 14:13

LAB FILE ID:		RRF2.5 = BP026028.D			RRF005 = BP026029.D		RRF010 = BP026030.D	
		RRF020 = BP026031.D			RRF040 = BP026032.D		RRF050 = BP026033.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.055	1.255	1.234	1.249	1.123	1.212	7.4
Benzaldehyde			0.855	0.938	0.809	0.670	0.802	11.5
Phenol-d6		1.366	1.580	1.574	1.606	1.425	1.543	6.8
Phenol		1.542	1.771	1.750	1.773	1.568	1.713	6.4
bis(2-Chloroethyl) ether		1.271	1.434	1.372	1.373	1.228	1.352	5.6
2-Chlorophenol		1.116	1.354	1.356	1.403	1.262	1.342	9.0
2-Methylphenol		0.958	1.129	1.145	1.175	1.057	1.121	7.8
2,2-oxybis(1-Chloropropane)		1.978	2.210	2.102	2.099	1.846	2.043	5.8
Acetophenone		0.481	0.548	0.519	0.518	0.455	0.506	6.1
3+4-Methylphenols			1.521	1.557	1.613	1.430	1.560	5.0
n-Nitroso-di-n-propylamine	0.795	0.894	1.013	1.016	1.027	0.904	0.958	8.8
Nitrobenzene-d5		0.256	0.317	0.327	0.338	0.306	0.321	10.3
Hexachloroethane		0.481	0.562	0.535	0.552	0.490	0.533	6.5
Nitrobenzene		0.282	0.345	0.346	0.357	0.317	0.339	8.8
Isophorone		0.606	0.721	0.705	0.720	0.632	0.687	7.0
2-Nitrophenol		0.069	0.092	0.107	0.128	0.124	0.104	23.2
2,4-Dimethylphenol		0.243	0.306	0.281	0.302	0.269	0.289	8.9
bis(2-Chloroethoxy) methane		0.406	0.466	0.436	0.447	0.396	0.433	5.8
2,4-Dichlorophenol		0.241	0.302	0.308	0.327	0.292	0.305	10.8
Naphthalene		1.039	1.181	1.121	1.115	0.978	1.091	6.3
4-Chloroaniline		0.374	0.440	0.427	0.437	0.384	0.419	6.8
Hexachlorobutadiene		0.198	0.231	0.209	0.216	0.190	0.211	6.7
Caprolactam			0.099	0.103	0.113	0.099	0.107	7.0
4-Chloro-3-methylphenol		0.257	0.314	0.325	0.345	0.303	0.320	10.3
2-Methylnaphthalene		0.717	0.823	0.771	0.795	0.694	0.763	6.0
Hexachlorocyclopentadiene			0.200	0.198	0.237	0.218	0.227	11.5
2,4,6-Trichlorophenol		0.256	0.342	0.372	0.402	0.360	0.367	15.7
2-Fluorobiphenyl		1.350	1.549	1.454	1.421	1.231	1.392	7.5
2,4,5-Trichlorophenol		0.309	0.414	0.425	0.456	0.405	0.419	12.9
1,1-Biphenyl		1.454	1.673	1.577	1.560	1.378	1.531	6.4
2-Chloronaphthalene		1.130	1.304	1.248	1.229	1.090	1.205	6.2
2-Nitroaniline		0.166	0.226	0.269	0.304	0.277	0.272	21.9
Dimethylphthalate		1.282	1.574	1.491	1.522	1.323	1.455	7.8
Acenaphthylene		1.547	1.845	1.832	1.832	1.618	1.756	7.2

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: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_PCalibration Date(s): 10/29/2025 10/29/2025Calibration Time(s): 09:26 14:13

LAB FILE ID:		RRF2.5 = BP026028.D			RRF005 = BP026029.D		RRF010 = BP026030.D	
		RRF020 = BP026031.D			RRF040 = BP026032.D		RRF050 = BP026033.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.142	0.196	0.234	0.264	0.245	0.237	22.6
3-Nitroaniline		0.177	0.254	0.296	0.324	0.295	0.291	20.7
Acenaphthene		1.101	1.285	1.247	1.249	1.089	1.206	6.8
2,4-Dinitrophenol			0.069	0.082	0.100	0.096	0.100	22.4
4-Nitrophenol			0.277	0.309	0.285	0.258	0.290	7.0
Dibenzofuran		1.725	1.997	1.886	1.869	1.614	1.822	6.9
2,4-Dinitrotoluene		0.195	0.288	0.340	0.393	0.360	0.347	24.0
Diethylphthalate		1.240	1.570	1.484	1.549	1.350	1.463	8.7
4-Chlorophenyl-phenylether		0.699	0.803	0.736	0.731	0.623	0.713	8.3
Fluorene		1.347	1.621	1.501	1.450	1.260	1.427	8.8
4-Nitroaniline		0.207	0.294	0.328	0.342	0.298	0.311	16.9
4,6-Dinitro-2-methylphenol			0.053	0.065	0.076	0.075	0.077	22.1
n-Nitrosodiphenylamine		0.574	0.678	0.641	0.647	0.567	0.625	6.8
2,4,6-Tribromophenol		0.155	0.211	0.218	0.236	0.209	0.216	14.2
4-Bromophenyl-phenylether		0.206	0.234	0.222	0.228	0.204	0.222	5.8
Hexachlorobenzene		0.239	0.273	0.256	0.258	0.226	0.253	6.5
Atrazine		0.177	0.213	0.221	0.219	0.193	0.211	9.6
Pentachlorophenol			0.126	0.143	0.161	0.148	0.154	12.4
Phenanthrene		1.133	1.288	1.209	1.189	1.031	1.164	7.1
Anthracene		1.064	1.262	1.195	1.177	1.044	1.154	7.1
Carbazole		0.985	1.172	1.164	1.129	0.969	1.092	7.7
Di-n-butylphthalate		0.937	1.219	1.241	1.333	1.196	1.222	11.6
Fluoranthene		1.259	1.469	1.426	1.411	1.224	1.358	7.1
Pyrene		1.201	1.488	1.395	1.427	1.217	1.353	8.2
Terphenyl-d14		0.953	1.125	1.013	1.014	0.860	0.984	8.8
Butylbenzylphthalate		0.235	0.337	0.407	0.496	0.468	0.432	26.4
3,3-Dichlorobenzidine			0.390	0.424	0.462	0.416	0.443	8.9
Benzo (a) anthracene		1.279	1.497	1.407	1.420	1.224	1.374	7.0
Chrysene		1.210	1.424	1.348	1.345	1.169	1.302	6.9
Bis (2-ethylhexyl) phthalate		0.453	0.613	0.690	0.829	0.768	0.718	20.3
Di-n-octyl phthalate			0.822	1.025	1.287	1.238	1.191	18.9
Benzo (b) fluoranthene		1.074	1.277	1.278	1.306	1.149	1.242	7.7
Benzo (k) fluoranthene		1.119	1.365	1.306	1.331	1.141	1.268	7.9
Benzo (a) pyrene		0.941	1.169	1.171	1.210	1.054	1.141	9.4
Indeno (1,2,3-cd) pyrene		1.190	1.486	1.539	1.564	1.371	1.476	10.1

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: REMI02Lab Code: ACESDG No.: Q3495Instrument ID: BNA_PCalibration Date(s): 10/29/2025 10/29/2025Calibration Time(s): 09:26 14:13

LAB FILE ID:		RRF2.5 = BP026028.D			RRF005 = BP026029.D		RRF010 = BP026030.D	
		RRF020 = BP026031.D			RRF040 = BP026032.D		RRF050 = BP026033.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.978	1.219	1.249	1.274	1.117	1.202	9.7
Benzo(g,h,i)perylene		0.966	1.167	1.219	1.212	1.068	1.156	8.9
1,2,4,5-Tetrachlorobenzene		0.574	0.670	0.637	0.632	0.565	0.621	6.3
1,4-Dioxane		0.472	0.567	0.519	0.515	0.453	0.511	7.6
2,3,4,6-Tetrachlorophenol		0.223	0.303	0.332	0.364	0.328	0.330	16.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Nov 03 18:16:26 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85	
3)	Pyridine	1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84	
4)	n-Nitrosodimet...		0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08	
5) S	2-Fluorophenol	1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09	
6)	Aniline	2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28	
7) S	Phenol-d6	1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55	
8)	2-Chlorophenol	1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65	
9)	Benzaldehyde		0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09	
10) C	Phenol	1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36	
11)	bis(2-Chloroet...	1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47	
12)	1,3-Dichlorobe...	1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62	
13) C	1,4-Dichlorobe...	1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21	
14)	1,2-Dichlorobe...	1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97	
15)	Benzyl Alcohol		1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97	
16)	2,2'-oxybis(1-...	3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74	
17)	2-Methylphenol	1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22	
18)	Hexachloroethane	0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41	
19) P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)	3+4-Methylphenols		1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04	
23) S	Nitrobenzene-d5	0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02	
24)	Nitrobenzene	0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64	
25)	Isophorone	0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25	
26) C	2-Nitrophenol	0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20	
27)	2,4-Dimethylph...	0.236	0.294	0.285	0.335	0.297	0.343	0.290	0.297	11.93	
28)	bis(2-Chloroet...	0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48	
29) C	2,4-Dichloroph...	0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34	
30)	1,2,4-Trichlor...	0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44	
31)	Naphthalene	1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96	
32)	Benzoic acid		0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74	
33)	4-Chloroaniline	0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29	
34) C	Hexachlorobuta...	0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33	
35)	Caprolactam		0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85	
36) C	4-Chloro-3-met...	0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18	
37)	2-Methylnaphth...	0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74	
38)	1-Methylnaphth...	0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG102425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55	
41) P	Hexachlorocycl...	0.268	0.279	0.324	0.297	0.340	0.305	0.302		8.97	
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04	
43) C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41	
44)	2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48	
45) S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24	
46)	1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98	
47)	2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71	
48)	2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06	
49)	Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30	
50)	Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21	
51)	2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69	
52) C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63	
53)	3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70	
54) P	2,4-Dinitrophenol	0.086	0.110	0.137	0.139	0.165	0.154	0.132		22.11	
55)	Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96	
56) P	4-Nitrophenol	0.191	0.213	0.261	0.250	0.283	0.267	0.244		14.40	
57)	2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67	
58)	Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38	
59)	2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04	
60)	Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06	
61)	4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38	
62)	4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55	
63)	Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.055	0.064	0.083	0.083	0.097	0.093	0.079		21.00	
66) c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79	
67)	4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28	
68)	Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99	
69)	Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27	
70) C	Pentachlorophenol	0.132	0.152	0.180	0.172	0.199	0.177	0.169		13.91	
71)	Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17	
72)	Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17	
73)	Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90	
74)	Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11	
75) C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.392	0.475	0.490	0.416	0.533	0.383	0.448		13.40	
78)	Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24	
79) S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21	
80)	Butylbenzylphth...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43	
81)	Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71	
82)	3,3'-Dichlorob...	0.418	0.428	0.477	0.424	0.486	0.424	0.443		6.88	
83)	Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76	
84)	Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95	
85) c	Di-n-octyl pht...	0.871	0.932	1.087	0.976	1.117	0.986	0.995		9.32	

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)	Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)	Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90) C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)	Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)	Benzo(g,h,i)pe...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP102925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 30 11:51:34 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP026035.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.472	0.567	0.519	0.515	0.453	0.541	0.510	0.511	7.57	
3)	Pyridine	1.330	1.538	1.488	1.481	1.304	1.552	1.475	1.453	6.69	
4)	n-Nitrosodimet...	0.601	0.591	0.584	0.522	0.611	0.584	0.582	0.582	5.39	
5) S	2-Fluorophenol	1.055	1.255	1.234	1.249	1.123	1.318	1.250	1.212	7.44	
6)	Aniline	1.893	2.157	2.117	2.112	1.885	2.158	2.091	2.059	5.76	
7) S	Phenol-d6	1.366	1.580	1.574	1.606	1.425	1.644	1.604	1.543	6.77	
8)	2-Chlorophenol	1.116	1.354	1.356	1.403	1.262	1.478	1.426	1.342	8.97	
9)	Benzaldehyde	0.856	0.937	0.809	0.670	0.796	0.744	0.802	0.802	11.45	
10) C	Phenol	1.542	1.771	1.750	1.773	1.568	1.823	1.761	1.713	6.44	
11)	bis(2-Chloroet...	1.271	1.434	1.372	1.373	1.228	1.419	1.363	1.352	5.57	
12)	1,3-Dichlorobe...	1.466	1.660	1.572	1.573	1.385	1.610	1.524	1.541	6.00	
13) C	1,4-Dichlorobe...	1.491	1.681	1.585	1.578	1.399	1.633	1.542	1.558	5.97	
14)	1,2-Dichlorobe...	1.412	1.595	1.517	1.515	1.338	1.550	1.481	1.487	5.83	
15)	Benzyl Alcohol	1.070	1.099	1.140	1.020	1.179	1.165	1.112	1.112	5.47	
16)	2,2'-oxybis(1-...	1.978	2.210	2.102	2.099	1.846	2.083	1.982	2.043	5.75	
17)	2-Methylphenol	0.958	1.129	1.145	1.175	1.057	1.210	1.176	1.121	7.75	
18)	Hexachloroethane	0.481	0.562	0.535	0.552	0.490	0.568	0.546	0.533	6.49	
19) P	n-Nitroso-di-n...	0.795	0.894	1.013	1.016	1.027	0.904	1.025	0.986	0.958	8.83
20)	3+4-Methylphenols	1.521	1.557	1.613	1.430	1.646	1.595	1.560	1.560	4.96	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.481	0.548	0.519	0.518	0.455	0.525	0.494	0.506	6.14	
23) S	Nitrobenzene-d5	0.256	0.317	0.327	0.338	0.306	0.359	0.343	0.321	10.34	
24)	Nitrobenzene	0.282	0.345	0.346	0.357	0.317	0.371	0.354	0.339	8.83	
25)	Isophorone	0.606	0.721	0.705	0.720	0.632	0.730	0.693	0.687	7.03	
26) C	2-Nitrophenol	0.069	0.092	0.107	0.128	0.124	0.104	0.104	0.104	23.21	
27)	2,4-Dimethylph...	0.243	0.306	0.281	0.302	0.269	0.315	0.305	0.289	8.90	
28)	bis(2-Chloroet...	0.406	0.466	0.436	0.447	0.396	0.451	0.427	0.433	5.79	
29) C	2,4-Dichloroph...	0.241	0.302	0.308	0.327	0.292	0.340	0.324	0.305	10.75	
30)	1,2,4-Trichlor...	0.306	0.361	0.337	0.339	0.301	0.347	0.328	0.331	6.52	
31)	Naphthalene	1.039	1.181	1.121	1.115	0.978	1.137	1.063	1.091	6.28	
32)	Benzoic acid	0.100	0.127	0.168	0.162	0.206	0.213	0.163	0.163	26.84	
33)	4-Chloroaniline	0.374	0.440	0.427	0.437	0.384	0.445	0.427	0.419	6.80	
34) C	Hexachlorobuta...	0.198	0.231	0.209	0.216	0.190	0.222	0.207	0.211	6.70	
35)	Caprolactam	0.099	0.103	0.113	0.099	0.116	0.112	0.107	0.107	6.98	
36) C	4-Chloro-3-met...	0.257	0.314	0.325	0.345	0.303	0.356	0.337	0.320	10.33	
37)	2-Methylnaphth...	0.717	0.823	0.771	0.795	0.694	0.793	0.750	0.763	6.02	
38)	1-Methylnaphth...	0.709	0.801	0.754	0.768	0.663	0.770	0.726	0.742	6.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP102925.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.574	0.670	0.637	0.632	0.565	0.654	0.619	0.621	6.33	
41) P	Hexachlorocycl...	0.200	0.198	0.237	0.218	0.260	0.251	0.227		11.46	
42) S	2,4,6-Tribromo...	0.155	0.211	0.218	0.236	0.209	0.250	0.234	0.216	14.19	
43) C	2,4,6-Trichlor...	0.256	0.342	0.372	0.402	0.360	0.427	0.413	0.367	15.70	
44)	2,4,5-Trichlor...	0.309	0.414	0.425	0.456	0.405	0.469	0.456	0.419	12.90	
45) S	2-Fluorobiphenyl	1.350	1.549	1.454	1.421	1.231	1.432	1.307	1.392	7.53	
46)	1,1'-Biphenyl	1.454	1.673	1.577	1.560	1.378	1.585	1.493	1.531	6.36	
47)	2-Chloronaphth...	1.130	1.304	1.248	1.229	1.090	1.253	1.180	1.205	6.23	
48)	2-Nitroaniline	0.166	0.226	0.269	0.304	0.277	0.332	0.329	0.272	21.95	
49)	Acenaphthylene	1.547	1.845	1.832	1.832	1.618	1.876	1.742	1.756	7.23	
50)	Dimethylphthalate	1.282	1.574	1.491	1.522	1.323	1.554	1.438	1.455	7.81	
51)	2,6-Dinitrotol...	0.142	0.196	0.234	0.264	0.245	0.294	0.287	0.237	22.61	
52) C	Acenaphthene	1.101	1.285	1.247	1.249	1.089	1.278	1.192	1.206	6.77	
53)	3-Nitroaniline	0.177	0.254	0.296	0.324	0.295	0.351	0.342	0.291	20.65	
54) P	2,4-Dinitrophenol	0.069	0.082	0.100	0.096	0.123	0.126	0.100		22.44	
55)	Dibenzofuran	1.725	1.997	1.886	1.869	1.614	1.884	1.776	1.822	6.94	
56) P	4-Nitrophenol	0.277	0.309	0.285	0.258	0.310	0.301	0.290		7.04	
57)	2,4-Dinitrotol...	0.195	0.288	0.340	0.393	0.360	0.433	0.418	0.347	23.95	
58)	Fluorene	1.347	1.621	1.501	1.450	1.260	1.492	1.319	1.427	8.77	
59)	2,3,4,6-Tetrac...	0.223	0.303	0.332	0.364	0.328	0.386	0.370	0.330	16.67	
60)	Diethylphthalate	1.240	1.570	1.484	1.549	1.350	1.591	1.454	1.463	8.74	
61)	4-Chlorophenyl...	0.699	0.803	0.736	0.731	0.623	0.739	0.658	0.713	8.29	
62)	4-Nitroaniline	0.207	0.294	0.328	0.342	0.298	0.368	0.339	0.311	16.92	
63)	Azobenzene	1.206	1.475	1.365	1.379	1.188	1.387	1.279	1.325	7.90	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.053	0.065	0.076	0.075	0.096	0.096	0.077		22.06	
66) c	n-Nitrosodiphe...	0.574	0.678	0.641	0.647	0.567	0.659	0.611	0.625	6.80	
67)	4-Bromophenyl-...	0.206	0.234	0.222	0.228	0.204	0.237	0.222	0.222	5.77	
68)	Hexachlorobenzene	0.239	0.273	0.256	0.258	0.226	0.268	0.247	0.253	6.53	
69)	Atrazine	0.177	0.213	0.221	0.219	0.193	0.239	0.216	0.211	9.57	
70) C	Pentachlorophenol	0.126	0.143	0.161	0.148	0.178	0.170	0.154		12.39	
71)	Phenanthrene	1.133	1.288	1.209	1.189	1.031	1.195	1.105	1.164	7.12	
72)	Anthracene	1.064	1.262	1.195	1.177	1.044	1.220	1.115	1.154	7.09	
73)	Carbazole	0.985	1.172	1.164	1.129	0.969	1.148	1.078	1.092	7.74	
74)	Di-n-butylphth...	0.937	1.219	1.241	1.333	1.196	1.378	1.252	1.222	11.57	
75) C	Fluoranthene	1.259	1.469	1.426	1.411	1.224	1.422	1.295	1.358	7.09	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.411	0.508	0.517	0.451	0.598	0.560	0.508		13.50	
78)	Pyrene	1.201	1.488	1.395	1.427	1.217	1.431	1.310	1.353	8.25	
79) S	Terphenyl-d14	0.953	1.125	1.013	1.014	0.860	1.019	0.908	0.984	8.77	
80)	Butylbenzylphth...	0.235	0.337	0.407	0.496	0.468	0.559	0.520	0.432	26.44	
81)	Benzo(a)anthra...	1.279	1.497	1.407	1.420	1.224	1.443	1.350	1.374	6.97	
82)	3,3'-Dichlorob...	0.390	0.424	0.462	0.416	0.497	0.467	0.443		8.87	
83)	Chrysene	1.210	1.424	1.348	1.345	1.169	1.349	1.268	1.302	6.92	
84)	Bis(2-ethylhex...	0.453	0.613	0.690	0.829	0.768	0.866	0.808	0.718	20.27	
85) c	Di-n-octyl pht...	0.822	1.025	1.287	1.238	1.407	1.364	1.191		18.86	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.190	1.491	1.538	1.563	1.369	1.629	1.555	1.477	10.15
88)	Benzo(b)fluora...	1.074	1.277	1.278	1.306	1.149	1.345	1.262	1.242	7.67
89)	Benzo(k)fluora...	1.119	1.365	1.306	1.331	1.141	1.347	1.267	1.268	7.86
90) C	Benzo(a)pyrene	0.941	1.169	1.171	1.210	1.054	1.253	1.186	1.141	9.38
91)	Dibenzo(a,h)an...	0.978	1.219	1.249	1.274	1.117	1.320	1.255	1.202	9.72
92)	Benzo(g,h,i)pe...	0.966	1.167	1.219	1.212	1.068	1.259	1.204	1.156	8.92

(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP102925.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Oct 30 11:51:34 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP026028.D 5 =BP026029.D 10 =BP026030.D 20 =BP026031.D 40 =BP026032.D 50 =BP026033.D 60 =BP026034.D 80 =BP026035.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.472	0.567	0.519	0.515	0.453	0.541	0.510	0.511	7.57	
3)	Pyridine	1.330	1.538	1.488	1.481	1.304	1.552	1.475	1.453	6.69	
4)	n-Nitrosodimet...	0.601	0.591	0.584	0.522	0.611	0.584	0.582	0.582	5.39	
5) S	2-Fluorophenol	1.055	1.255	1.234	1.249	1.123	1.318	1.250	1.212	7.44	
6)	Aniline	1.893	2.157	2.117	2.112	1.885	2.158	2.091	2.059	5.76	
7) S	Phenol-d6	1.366	1.580	1.574	1.606	1.425	1.644	1.604	1.543	6.77	
8)	2-Chlorophenol	1.116	1.354	1.356	1.403	1.262	1.478	1.426	1.342	8.97	
9)	Benzaldehyde	0.856	0.937	0.809	0.670	0.796	0.744	0.802	0.802	11.45	
10) C	Phenol	1.542	1.771	1.750	1.773	1.568	1.823	1.761	1.713	6.44	
11)	bis(2-Chloroet...	1.271	1.434	1.372	1.373	1.228	1.419	1.363	1.352	5.57	
12)	1,3-Dichlorobe...	1.466	1.660	1.572	1.573	1.385	1.610	1.524	1.541	6.00	
13) C	1,4-Dichlorobe...	1.491	1.681	1.585	1.578	1.399	1.633	1.542	1.558	5.97	
14)	1,2-Dichlorobe...	1.412	1.595	1.517	1.515	1.338	1.550	1.481	1.487	5.83	
15)	Benzyl Alcohol	1.070	1.099	1.140	1.020	1.179	1.165	1.112	1.112	5.47	
16)	2,2'-oxybis(1-...	1.978	2.210	2.102	2.099	1.846	2.083	1.982	2.043	5.75	
17)	2-Methylphenol	0.958	1.129	1.145	1.175	1.057	1.210	1.176	1.121	7.75	
18)	Hexachloroethane	0.481	0.562	0.535	0.552	0.490	0.568	0.546	0.533	6.49	
19) P	n-Nitroso-di-n...	0.795	0.894	1.013	1.016	1.027	0.904	1.025	0.986	0.958	8.83
20)	3+4-Methylphenols	1.521	1.557	1.613	1.430	1.646	1.595	1.560	1.560	4.96	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.481	0.548	0.519	0.518	0.455	0.525	0.494	0.506	6.14	
23) S	Nitrobenzene-d5	0.256	0.317	0.327	0.338	0.306	0.359	0.343	0.321	10.34	
24)	Nitrobenzene	0.282	0.345	0.346	0.357	0.317	0.371	0.354	0.339	8.83	
25)	Isophorone	0.606	0.721	0.705	0.720	0.632	0.730	0.693	0.687	7.03	
26) C	2-Nitrophenol	0.069	0.092	0.107	0.128	0.124	0.104	0.104	0.104	23.21	
27)	2,4-Dimethylph...	0.243	0.306	0.281	0.302	0.269	0.315	0.305	0.289	8.90	
28)	bis(2-Chloroet...	0.406	0.466	0.436	0.447	0.396	0.451	0.427	0.433	5.79	
29) C	2,4-Dichloroph...	0.241	0.302	0.308	0.327	0.292	0.340	0.324	0.305	10.75	
30)	1,2,4-Trichlor...	0.306	0.361	0.337	0.339	0.301	0.347	0.328	0.331	6.52	
31)	Naphthalene	1.039	1.181	1.121	1.115	0.978	1.137	1.063	1.091	6.28	
32)	Benzoic acid	0.100	0.127	0.168	0.162	0.206	0.213	0.163	0.163	26.84	
33)	4-Chloroaniline	0.374	0.440	0.427	0.437	0.384	0.445	0.427	0.419	6.80	
34) C	Hexachlorobuta...	0.198	0.231	0.209	0.216	0.190	0.222	0.207	0.211	6.70	
35)	Caprolactam	0.099	0.103	0.113	0.099	0.116	0.112	0.107	0.107	6.98	
36) C	4-Chloro-3-met...	0.257	0.314	0.325	0.345	0.303	0.356	0.337	0.320	10.33	
37)	2-Methylnaphth...	0.717	0.823	0.771	0.795	0.694	0.793	0.750	0.763	6.02	
38)	1-Methylnaphth...	0.709	0.801	0.754	0.768	0.663	0.770	0.726	0.742	6.19	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP102925.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.574	0.670	0.637	0.632	0.565	0.654	0.619	0.621	6.33
41) P	Hexachlorocycl...	0.200	0.198	0.237	0.218	0.260	0.251	0.227		11.46
42) S	2,4,6-Tribromo...	0.155	0.211	0.218	0.236	0.209	0.250	0.234	0.216	14.19
43) C	2,4,6-Trichlor...	0.256	0.342	0.372	0.402	0.360	0.427	0.413	0.367	15.70
44)	2,4,5-Trichlor...	0.309	0.414	0.425	0.456	0.405	0.469	0.456	0.419	12.90
45) S	2-Fluorobiphenyl	1.350	1.549	1.454	1.421	1.231	1.432	1.307	1.392	7.53
46)	1,1'-Biphenyl	1.454	1.673	1.577	1.560	1.378	1.585	1.493	1.531	6.36
47)	2-Chloronaphth...	1.130	1.304	1.248	1.229	1.090	1.253	1.180	1.205	6.23
48)	2-Nitroaniline	0.166	0.226	0.269	0.304	0.277	0.332	0.329	0.272	21.95
49)	Acenaphthylene	1.547	1.845	1.832	1.832	1.618	1.876	1.742	1.756	7.23
50)	Dimethylphthalate	1.282	1.574	1.491	1.522	1.323	1.554	1.438	1.455	7.81
51)	2,6-Dinitrotol...	0.142	0.196	0.234	0.264	0.245	0.294	0.287	0.237	22.61
52) C	Acenaphthene	1.101	1.285	1.247	1.249	1.089	1.278	1.192	1.206	6.77
53)	3-Nitroaniline	0.177	0.254	0.296	0.324	0.295	0.351	0.342	0.291	20.65
54) P	2,4-Dinitrophenol	0.069	0.082	0.100	0.096	0.123	0.126	0.100		22.44
55)	Dibenzofuran	1.725	1.997	1.886	1.869	1.614	1.884	1.776	1.822	6.94
56) P	4-Nitrophenol	0.277	0.309	0.285	0.258	0.310	0.301	0.290		7.04
57)	2,4-Dinitrotol...	0.195	0.288	0.340	0.393	0.360	0.433	0.418	0.347	23.95
58)	Fluorene	1.347	1.621	1.501	1.450	1.260	1.492	1.319	1.427	8.77
59)	2,3,4,6-Tetrac...	0.223	0.303	0.332	0.364	0.328	0.386	0.370	0.330	16.67
60)	Diethylphthalate	1.240	1.570	1.484	1.549	1.350	1.591	1.454	1.463	8.74
61)	4-Chlorophenyl...	0.699	0.803	0.736	0.731	0.623	0.739	0.658	0.713	8.29
62)	4-Nitroaniline	0.207	0.294	0.328	0.342	0.298	0.368	0.339	0.311	16.92
63)	Azobenzene	1.206	1.475	1.365	1.379	1.188	1.387	1.279	1.325	7.90
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.053	0.065	0.076	0.075	0.096	0.096	0.077		22.06
66) c	n-Nitrosodiphe...	0.574	0.678	0.641	0.647	0.567	0.659	0.611	0.625	6.80
67)	4-Bromophenyl-...	0.206	0.234	0.222	0.228	0.204	0.237	0.222	0.222	5.77
68)	Hexachlorobenzene	0.239	0.273	0.256	0.258	0.226	0.268	0.247	0.253	6.53
69)	Atrazine	0.177	0.213	0.221	0.219	0.193	0.239	0.216	0.211	9.57
70) C	Pentachlorophenol	0.126	0.143	0.161	0.148	0.178	0.170	0.154		12.39
71)	Phenanthrene	1.133	1.288	1.209	1.189	1.031	1.195	1.105	1.164	7.12
72)	Anthracene	1.064	1.262	1.195	1.177	1.044	1.220	1.115	1.154	7.09
73)	Carbazole	0.985	1.172	1.164	1.129	0.969	1.148	1.078	1.092	7.74
74)	Di-n-butylphth...	0.937	1.219	1.241	1.333	1.196	1.378	1.252	1.222	11.57
75) C	Fluoranthene	1.259	1.469	1.426	1.411	1.224	1.422	1.295	1.358	7.09
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.411	0.508	0.517	0.451	0.598	0.560	0.508		13.50
78)	Pyrene	1.201	1.488	1.395	1.427	1.217	1.431	1.310	1.353	8.25
79) S	Terphenyl-d14	0.953	1.125	1.013	1.014	0.860	1.019	0.908	0.984	8.77
80)	Butylbenzylpht...	0.235	0.337	0.407	0.496	0.468	0.559	0.520	0.432	26.44
81)	Benzo(a)anthra...	1.279	1.497	1.407	1.420	1.224	1.443	1.350	1.374	6.97
82)	3,3'-Dichlorob...	0.390	0.424	0.462	0.416	0.497	0.467	0.443		8.87
83)	Chrysene	1.210	1.424	1.348	1.345	1.169	1.349	1.268	1.302	6.92
84)	Bis(2-ethylhex...	0.453	0.613	0.690	0.829	0.768	0.866	0.808	0.718	20.27
85) c	Di-n-octyl pht...	0.822	1.025	1.287	1.238	1.407	1.364	1.191		18.86

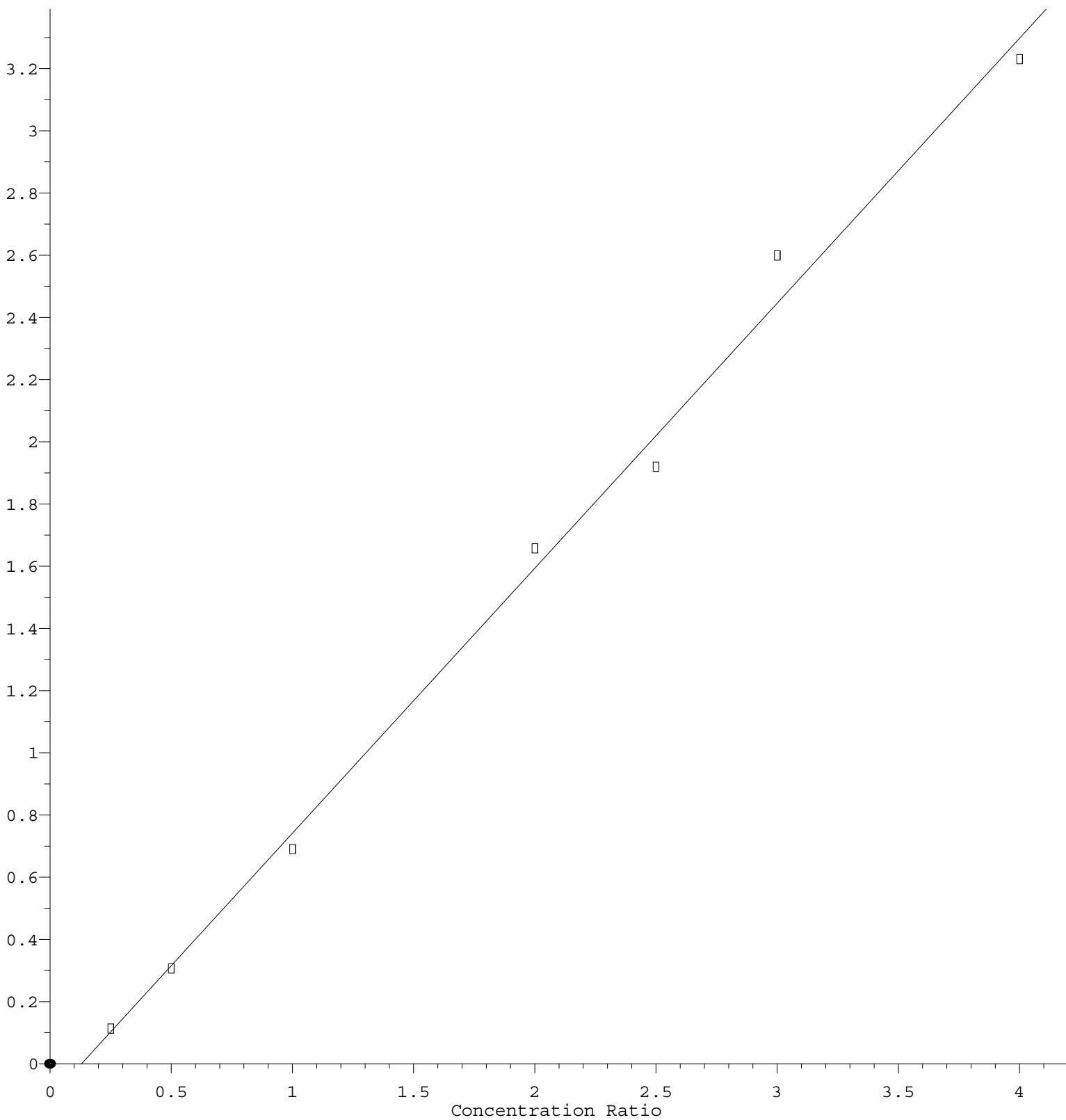
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

		-----ISTD-----	
86) I	Perylene-d12		
87)	Indeno(1,2,3-c...	1.190 1.491 1.538 1.563 1.369 1.629 1.555 1.477	10.15
88)	Benzo(b)fluora...	1.074 1.277 1.278 1.306 1.149 1.345 1.262 1.242	7.67
89)	Benzo(k)fluora...	1.119 1.365 1.306 1.331 1.141 1.347 1.267 1.268	7.86
90) C	Benzo(a)pyrene	0.941 1.169 1.171 1.210 1.054 1.253 1.186 1.141	9.38
91)	Dibenzo(a,h)an...	0.978 1.219 1.249 1.274 1.117 1.320 1.255 1.202	9.72
92)	Benzo(g,h,i)pe...	0.966 1.167 1.219 1.212 1.068 1.259 1.204 1.156	8.92

(#) = Out of Range

Bis(2-ethylhexyl)phthalate

Response Ratio



$$\text{Response} = 8.521\text{e-}001 * \text{Amt} - 1.107\text{e-}001$$

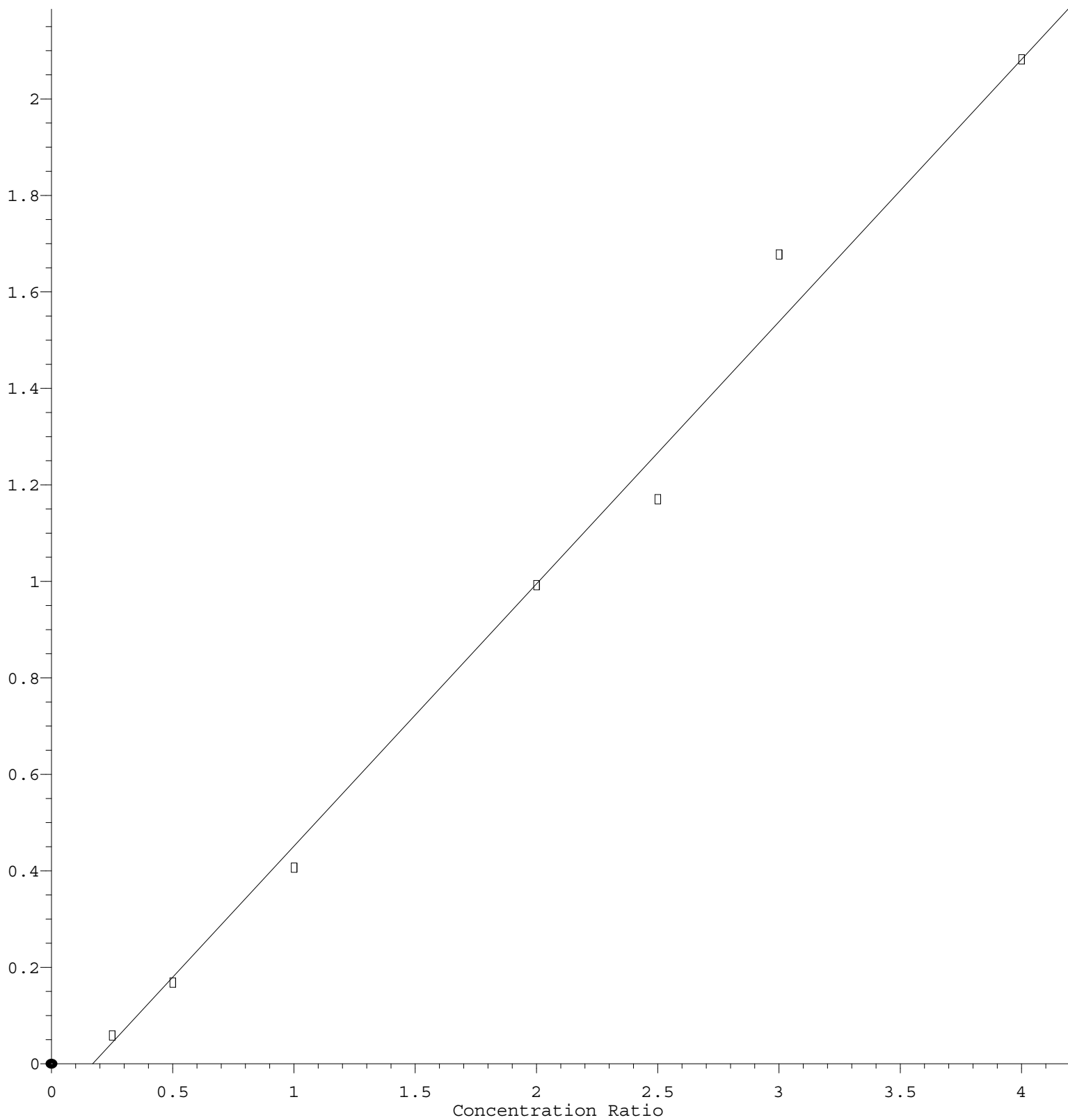
Coef of Det (r^2) = 0.996648 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Butylbenzylphthalate

Response Ratio



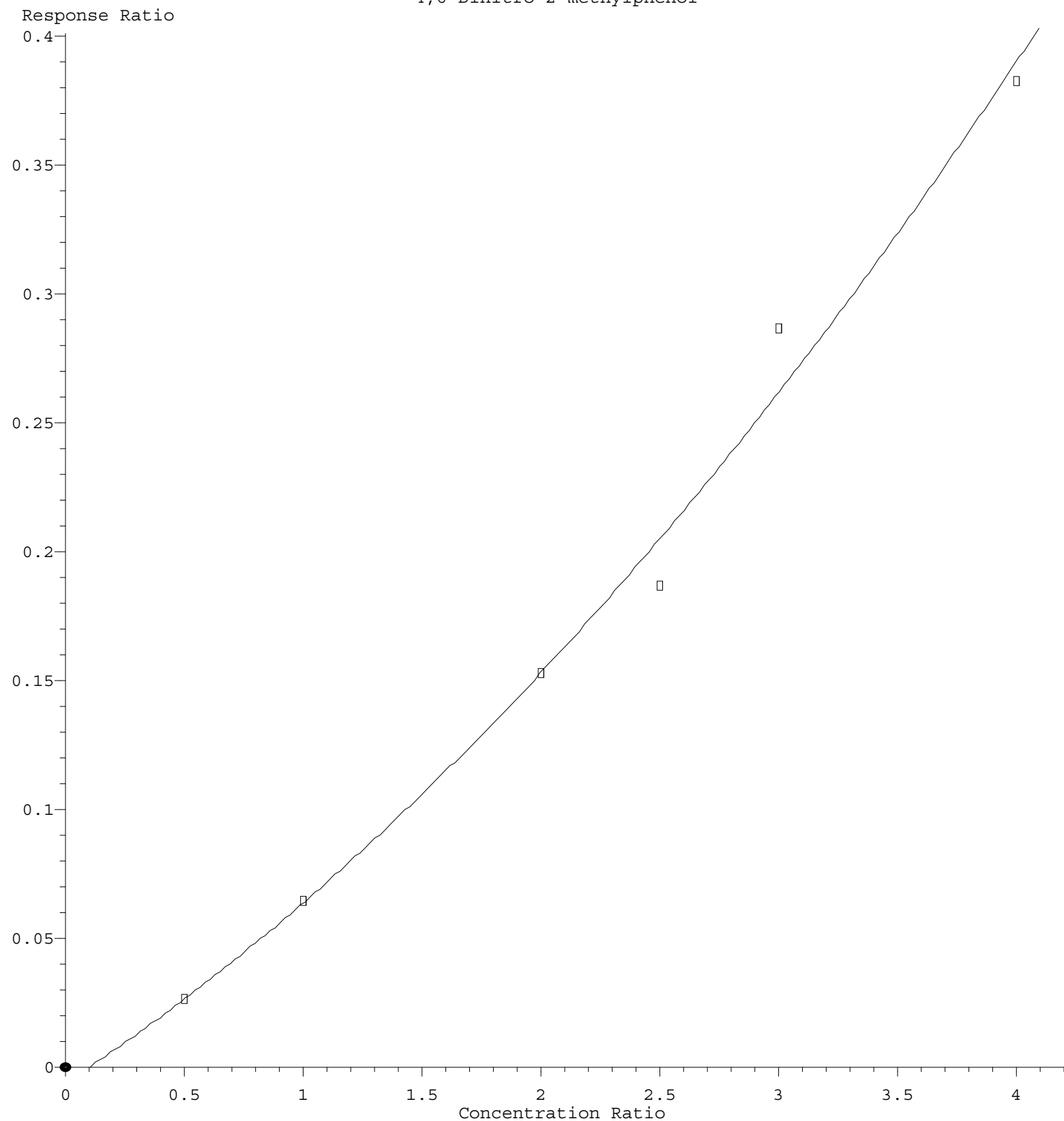
$$\text{Response} = 5.435\text{e-}001 * \text{Amt} - 9.231\text{e-}002$$

Coef of Det (r^2) = 0.993997 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

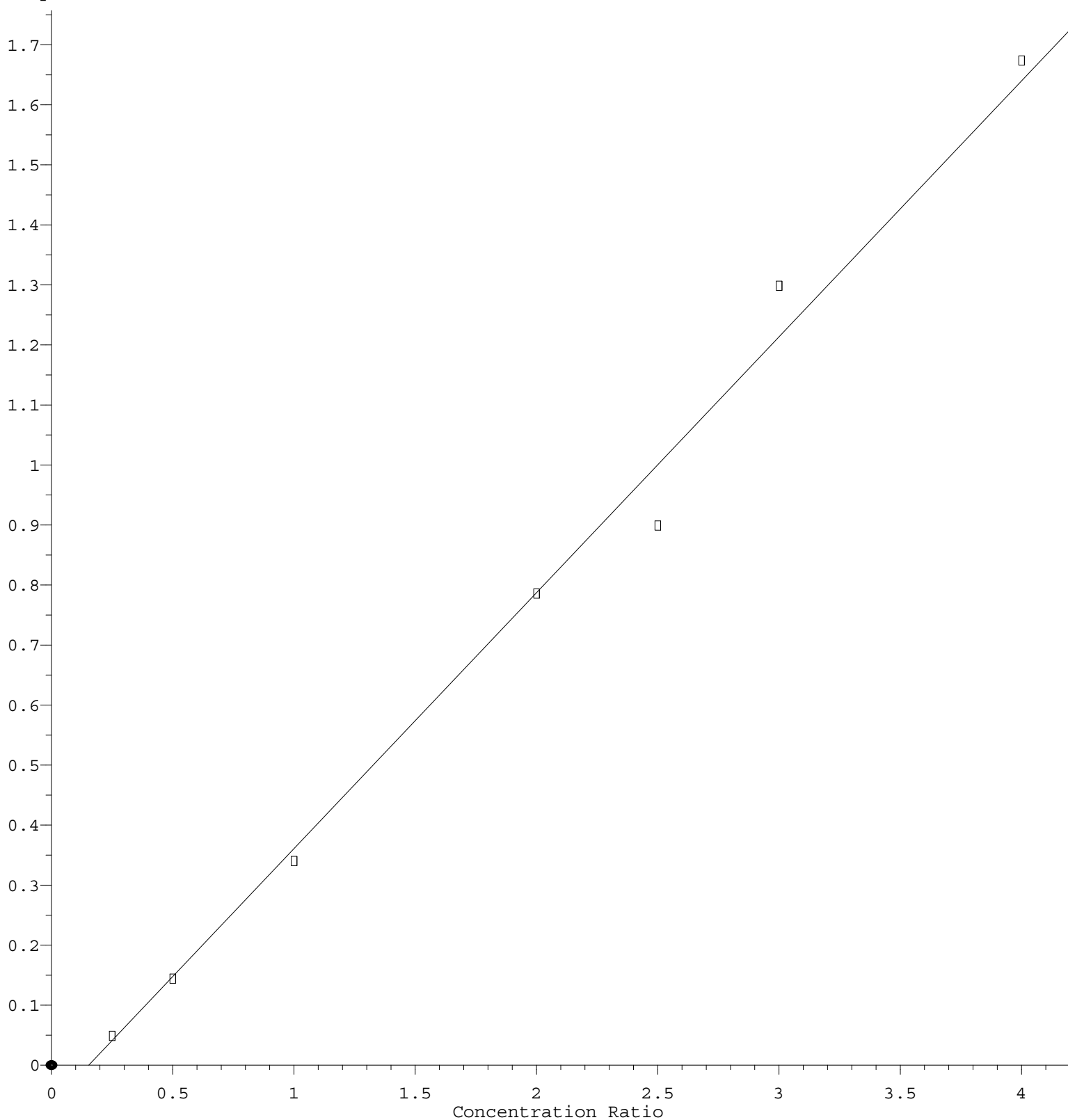
4,6-Dinitro-2-methylphenol



$R = 9.755e-003 A^2 + 5.999e-002 A - 6.001e-003$
 Coef of Det (r^2) = 0.992676 Curve Fit: Quadratic w(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
 Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

2,4-Dinitrotoluene

Response Ratio



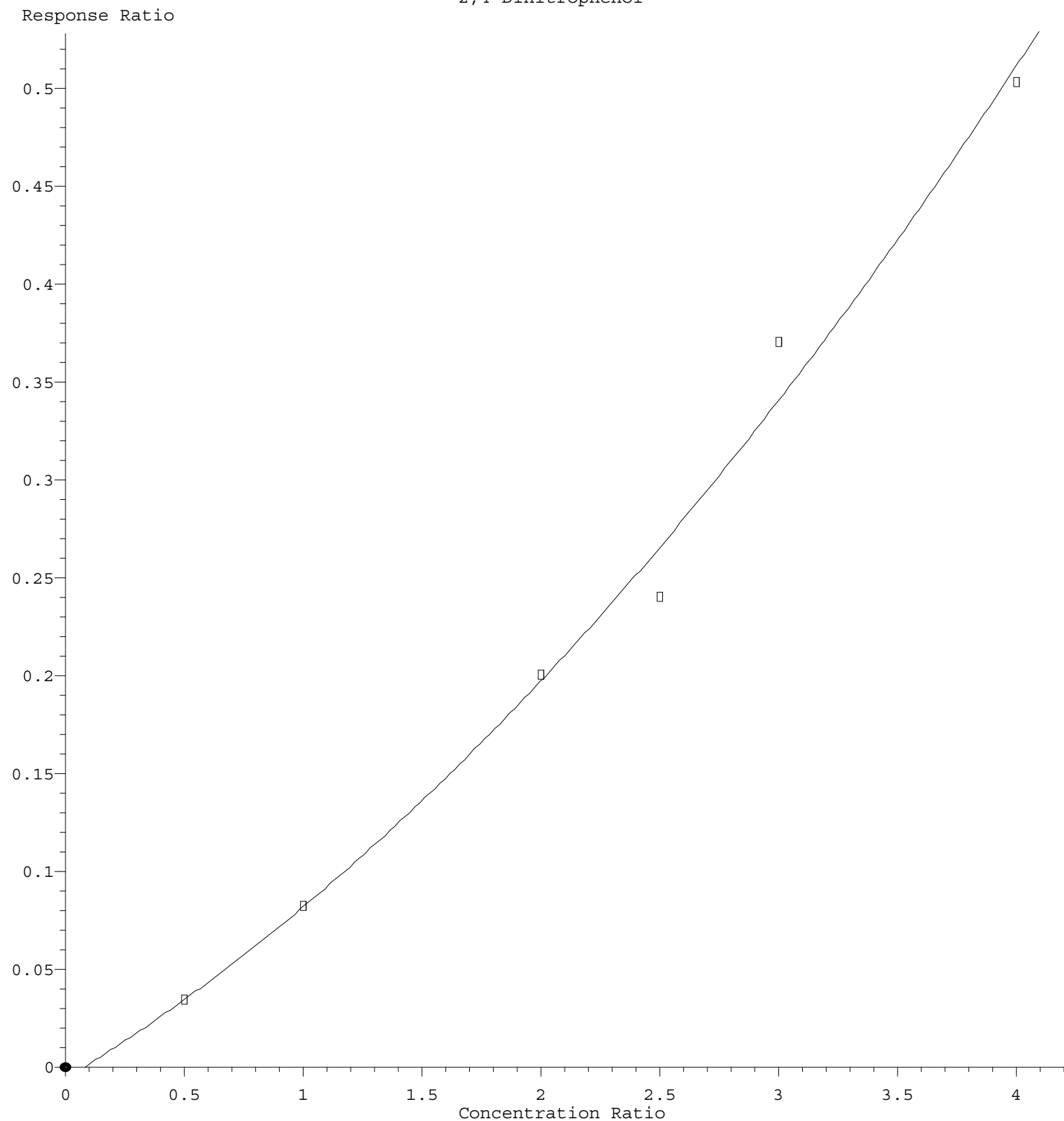
$$\text{Response} = 4.265\text{e-}001 * \text{Amt} - 6.582\text{e-}002$$

Coef of Det (r^2) = 0.994519 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

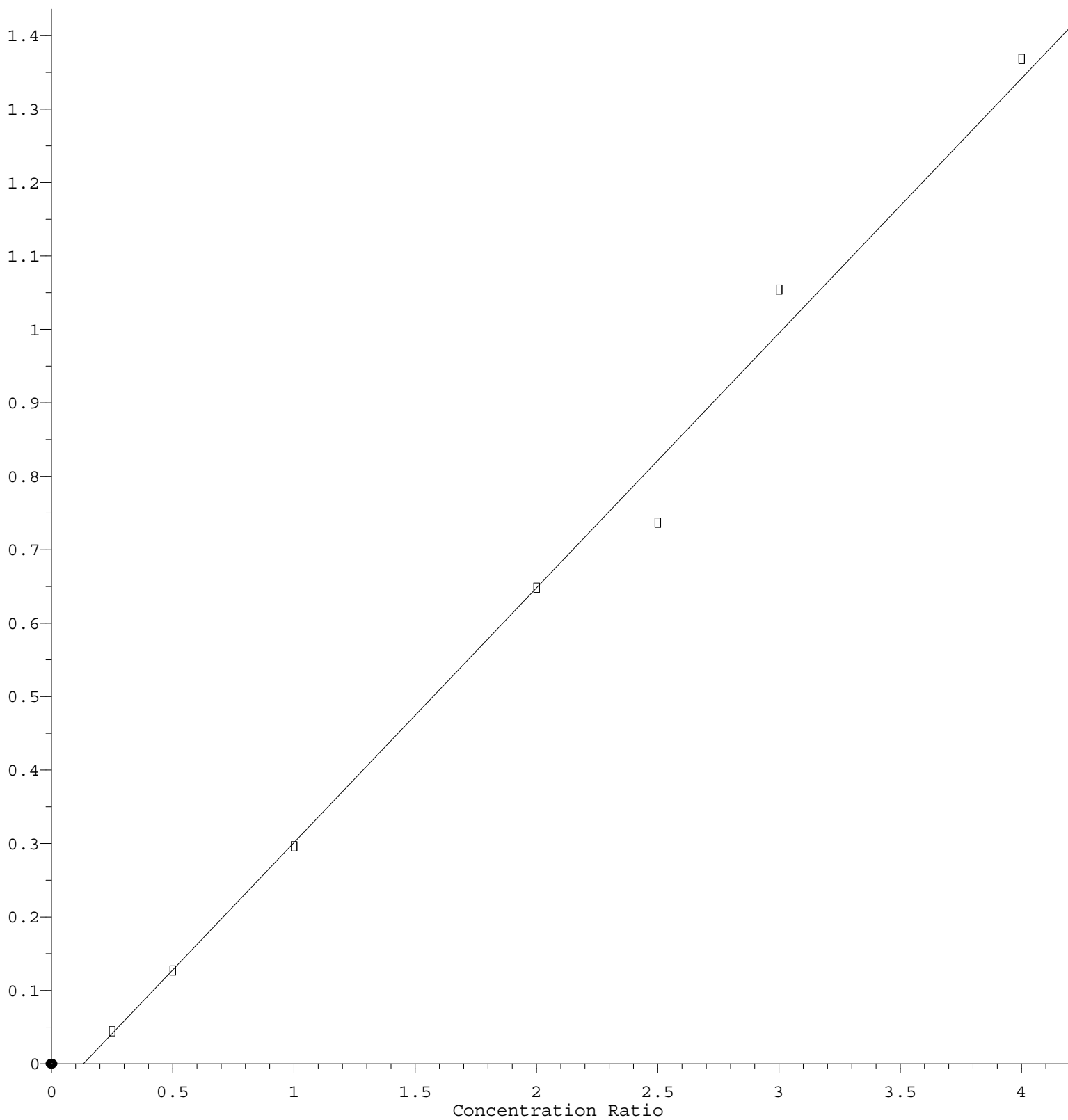
2,4-Dinitrophenol



$R = 1.384e-002 A^2 + 7.400e-002 A - 5.971e-003$
 Coef of Det (r^2) = 0.992971 Curve Fit: Quadratic w(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
 Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

3-Nitroaniline

Response Ratio



$$\text{Response} = 3.468\text{e-}001 * \text{Amt} - 4.573\text{e-}002$$

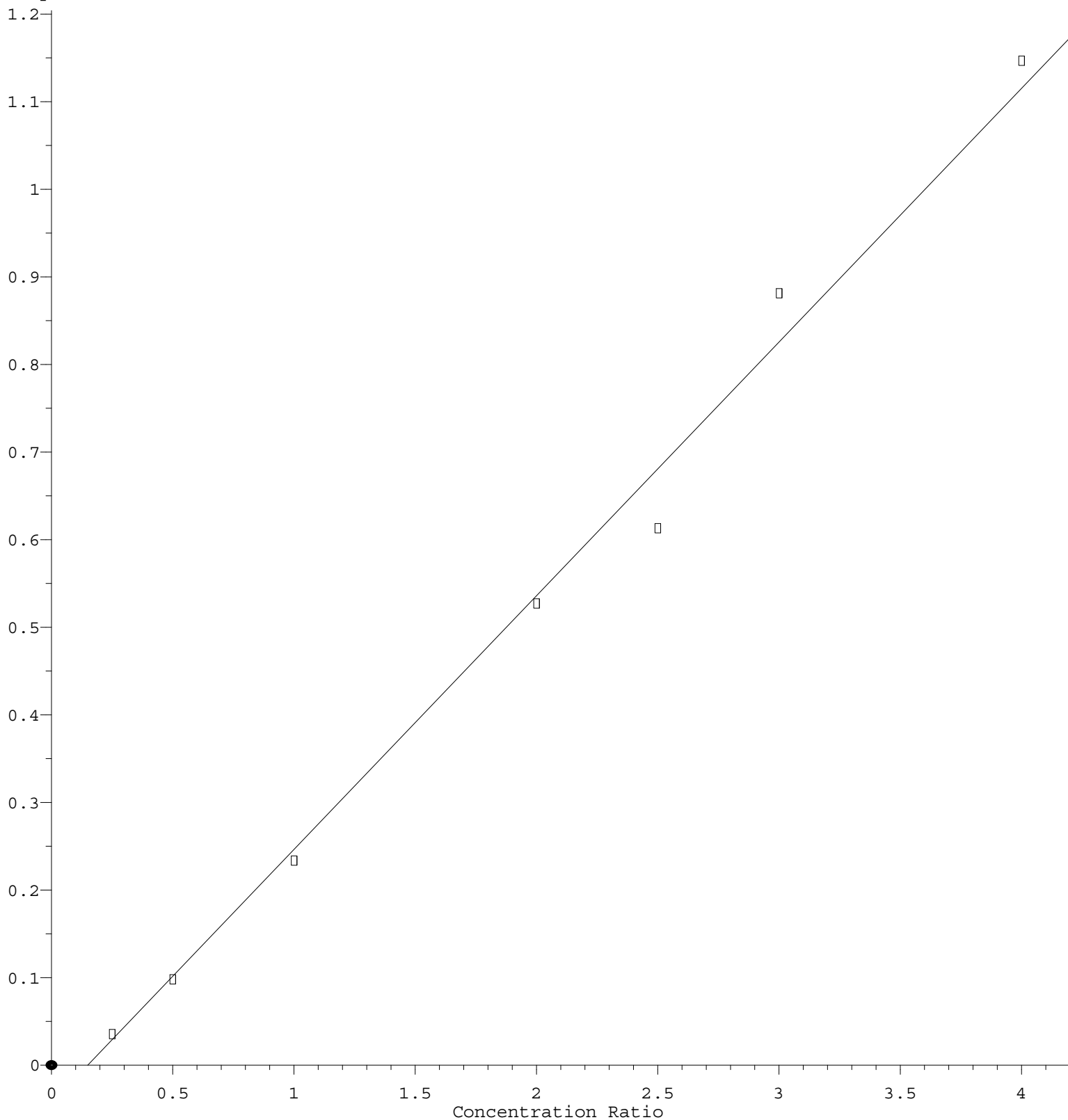
Coef of Det (r^2) = 0.995252 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

2,6-Dinitrotoluene

Response Ratio



$$\text{Response} = 2.897\text{e-}001 * \text{Amt} - 4.332\text{e-}002$$

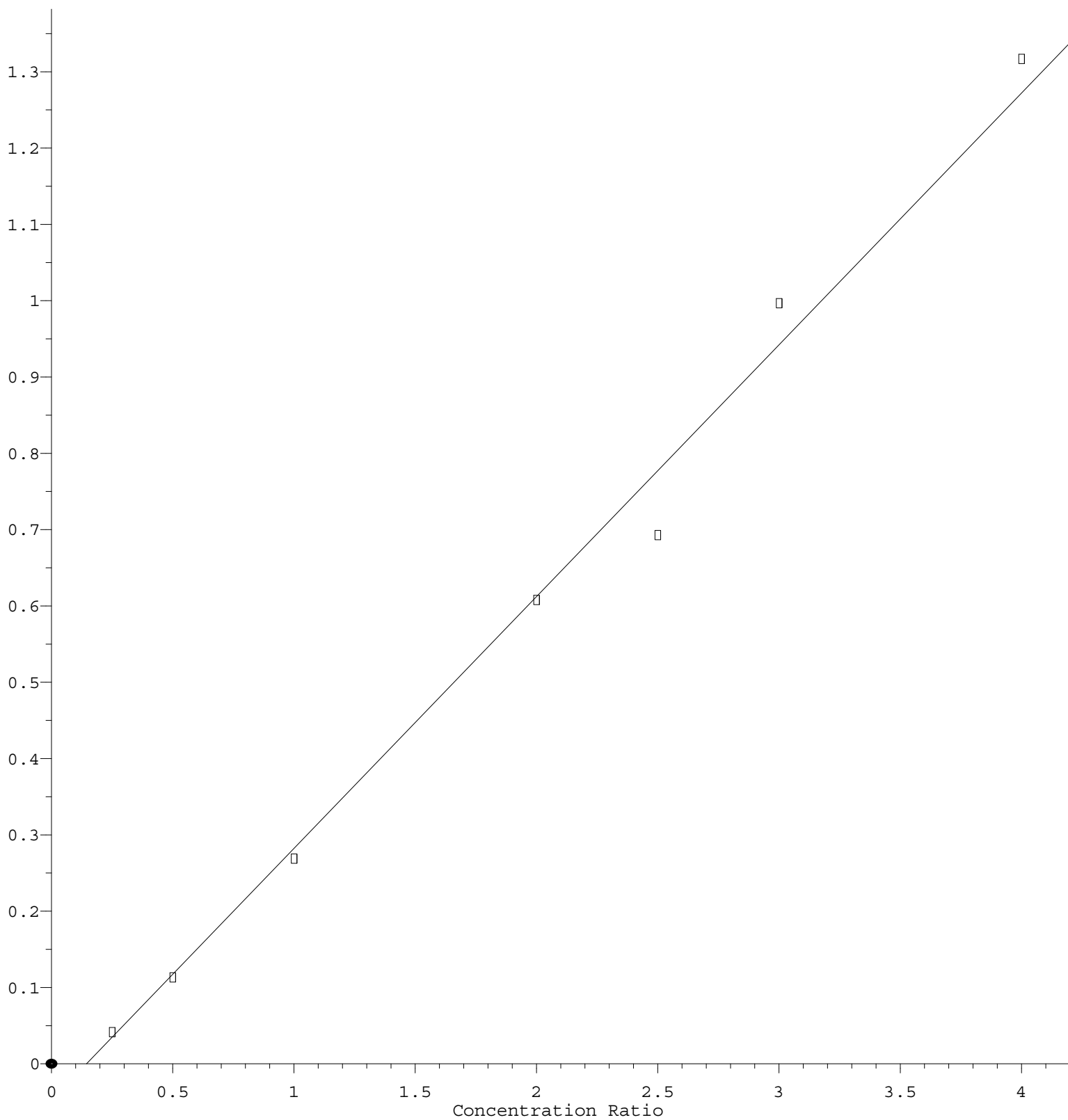
Coef of Det (r^2) = 0.994441 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

2-Nitroaniline

Response Ratio



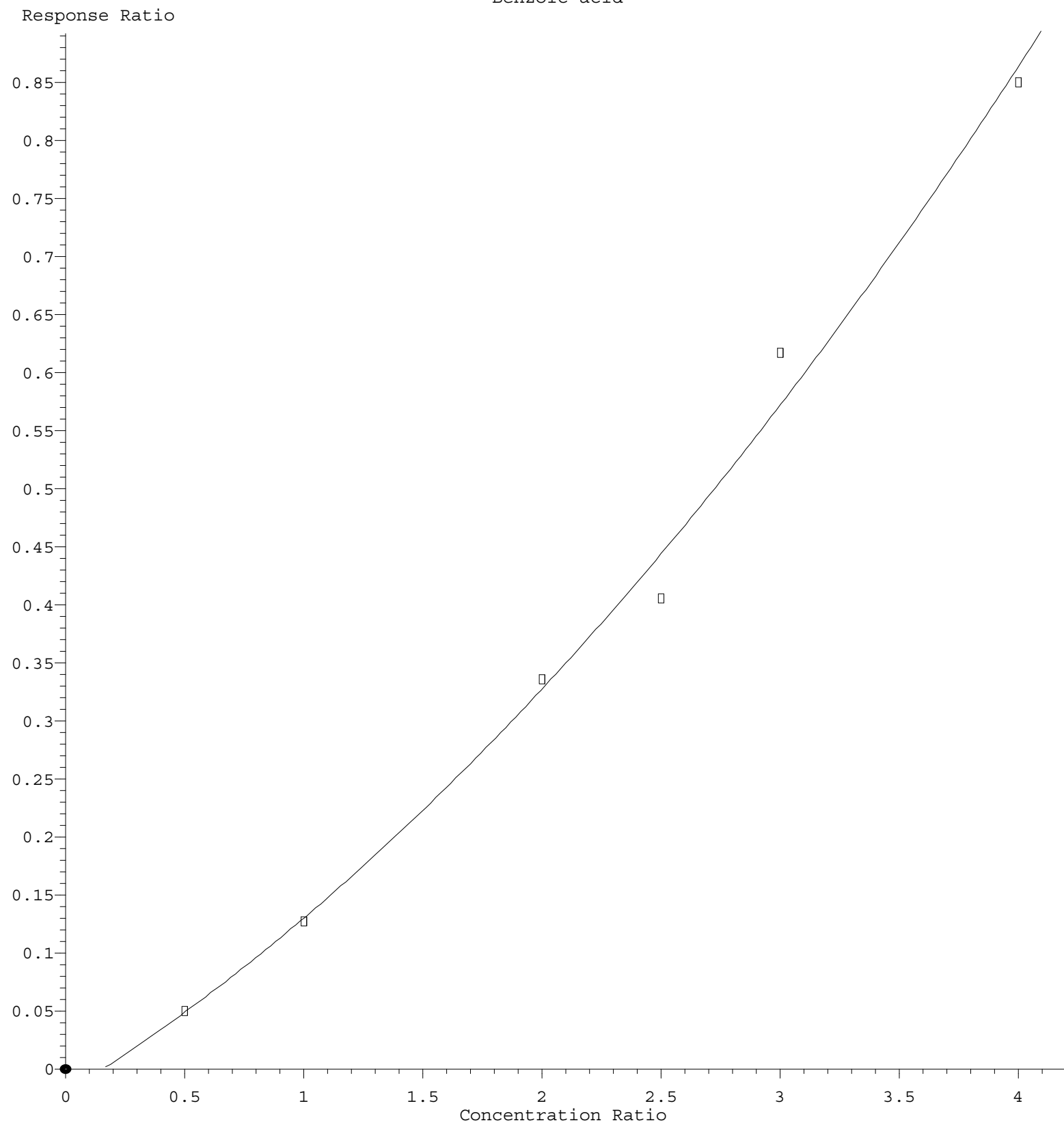
$$\text{Response} = 3.301\text{e-}001 * \text{Amt} - 4.802\text{e-}002$$

Coef of Det (r^2) = 0.994224 Curve Fit: wlr(1/a)

Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M

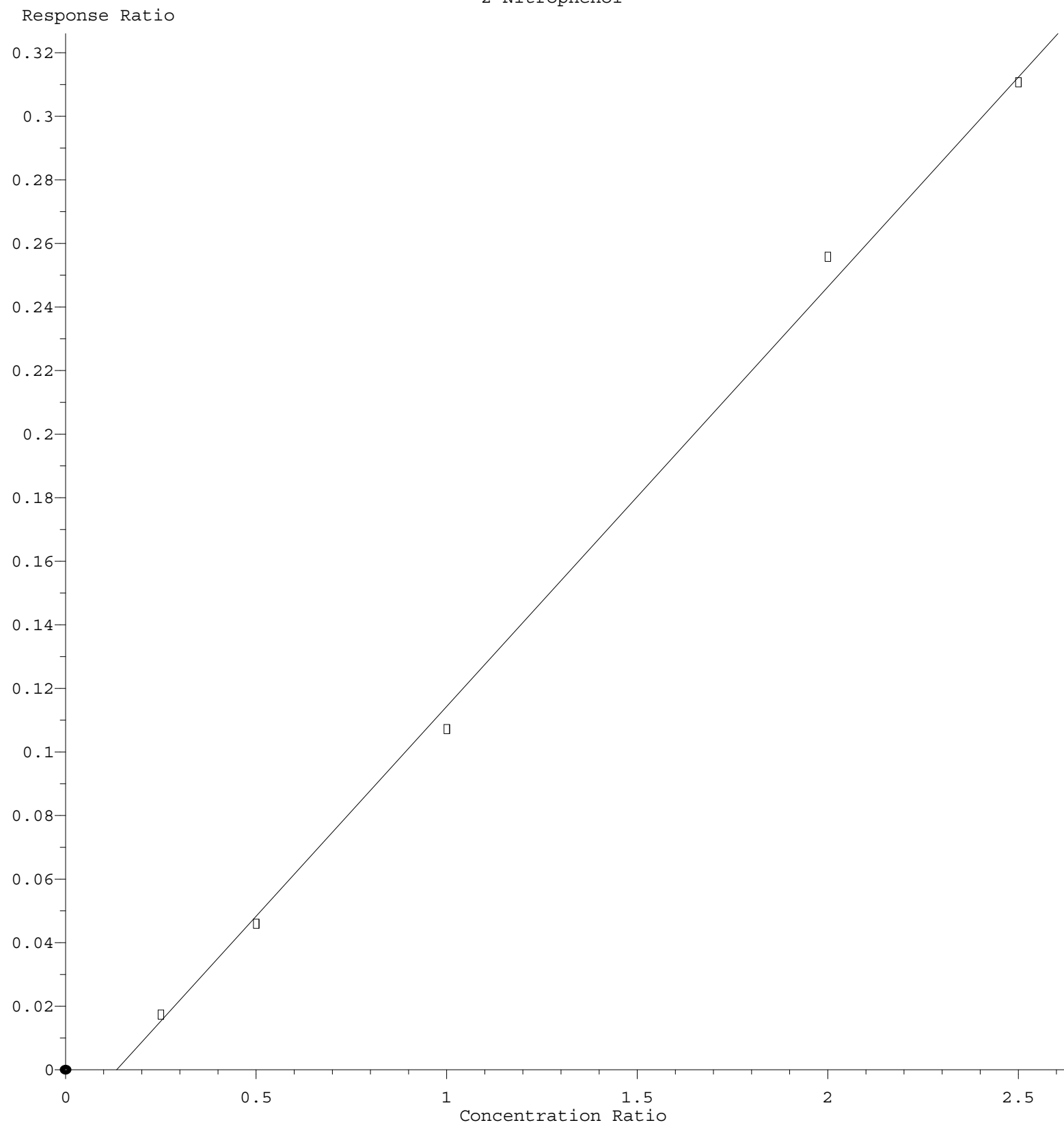
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Benzoic acid



$R = 2.355e-002 A^2 + 1.268e-001 A - 2.032e-002$
 Coef of Det (r^2) = 0.994313 Curve Fit: Quadratic w(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
 Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

2-Nitrophenol



Response = 1.320e-001 * Amt - 1.768e-002
 Coef of Det (r^2) = 0.997680 Curve Fit: wlr(1/a)
 Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
 Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

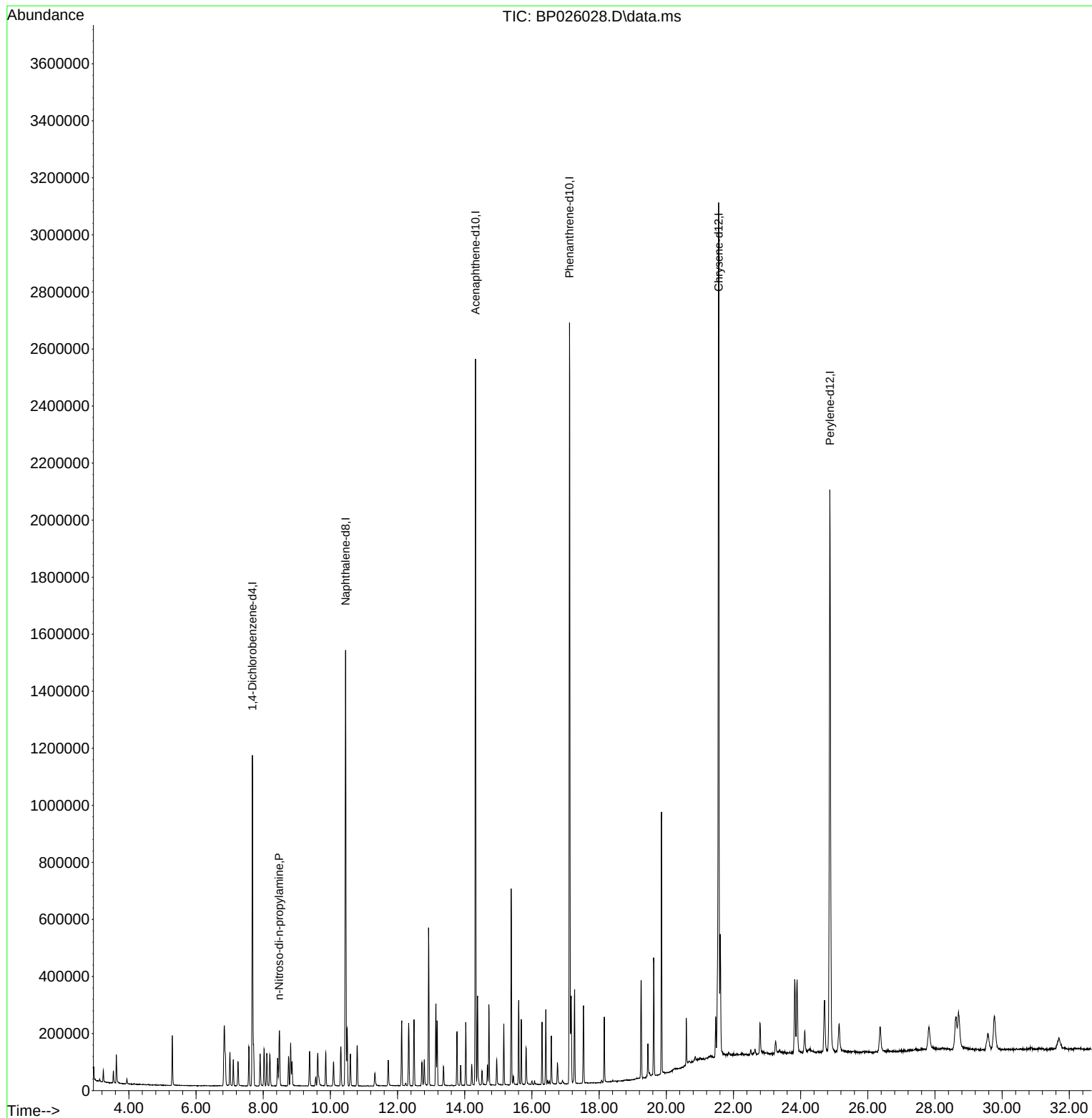
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	314539	20.000	ng	-0.01
21) Naphthalene-d8	10.454	136	1282158	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	817769	20.000	ng	0.00
64) Phenanthrene-d10	17.118	188	1645754	20.000	ng	0.00
76) Chrysene-d12	21.559	240	1828965	20.000	ng	0.00
86) Perylene-d12	24.871	264	1886321	20.000	ng	-0.01
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						
19) n-Nitroso-di-n-propyla...	8.472	70	31253	2.075	ng	Qvalue 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026028.D
Acq On : 29 Oct 2025 09:26
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 29 18:07:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026029.D
 Acq On : 29 Oct 2025 10:07
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 29 18:07:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	341461	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1420199	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	925892	20.000	ng	0.00
64) Phenanthrene-d10	17.131	188	1817309	20.000	ng	0.00
76) Chrysene-d12	21.572	240	2025692	20.000	ng	0.00
86) Perylene-d12	24.860	264	2104784	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	180174	8.707	ng	0.00
7) Phenol-d6	6.849	99	233297	8.858	ng	0.00
23) Nitrobenzene-d5	8.819	82	182124	7.994	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	71861	7.179	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	624927	9.698	ng	0.00
79) Terphenyl-d14	19.866	244	964860	9.677	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.237	88	40256	4.615	ng	98
3) Pyridine	3.626	79	113576	4.580	ng	99
6) Aniline	7.014	93	161620	4.598	ng	99
8) 2-Chlorophenol	7.255	128	95293	4.159	ng	95
10) Phenol	6.872	94	131630	4.502	ng	98
11) bis(2-Chloroethyl)ether	7.108	93	108520	4.703	ng	98
12) 1,3-Dichlorobenzene	7.578	146	125141	4.755	ng	98
13) 1,4-Dichlorobenzene	7.719	146	127251	4.783	ng	98
14) 1,2-Dichlorobenzene	8.025	146	120561	4.748	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	168852	4.841	ng	99
17) 2-Methylphenol	8.108	107	81751	4.270	ng	99
18) Hexachloroethane	8.749	117	41029	4.506	ng	98
19) n-Nitroso-di-n-propyla...	8.472	70	76340	4.669	ng	98
22) Acetophenone	8.484	105	170727	4.753	ng	# 98
24) Nitrobenzene	8.861	77	100098	4.161	ng	95
25) Isophorone	9.378	82	215193	4.413	ng	98
26) 2-Nitrophenol	9.566	139	24644	5.305	ng	98
27) 2,4-Dimethylphenol	9.625	122	86372	4.212	ng	98
28) bis(2-Chloroethoxy)met...	9.866	93	144278	4.695	ng	100
29) 2,4-Dichlorophenol	10.090	162	85429	3.946	ng	98
30) 1,2,4-Trichlorobenzene	10.313	180	108660	4.617	ng	98
31) Naphthalene	10.502	128	368922	4.764	ng	99
33) 4-Chloroaniline	10.602	127	132749	4.461	ng	98
34) Hexachlorobutadiene	10.796	225	70220	4.696	ng	99
36) 4-Chloro-3-methylphenol	11.719	107	91199	4.018	ng	99
37) 2-Methylnaphthalene	12.113	142	254416	4.694	ng	99
38) 1-Methylnaphthalene	12.343	142	251883	4.783	ng	97
40) 1,2,4,5-Tetrachloroben...	12.484	216	132759	4.615	ng	99
43) 2,4,6-Trichlorophenol	12.731	196	59158	3.479	ng	99
44) 2,4,5-Trichlorophenol	12.796	196	71602	3.690	ng	97
46) 1,1'-Biphenyl	13.137	154	336536	4.747	ng	99
47) 2-Chloronaphthalene	13.178	162	261657	4.691	ng	97
48) 2-Nitroaniline	13.372	65	38315	5.289	ng	96
49) Acenaphthylene	14.031	152	358129	4.405	ng	100
50) Dimethylphthalate	13.772	163	296661	4.405	ng	100
51) 2,6-Dinitrotoluene	13.878	165	32784	5.334	ng	89

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026029.D
 Acq On : 29 Oct 2025 10:07
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Oct 29 18:07:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

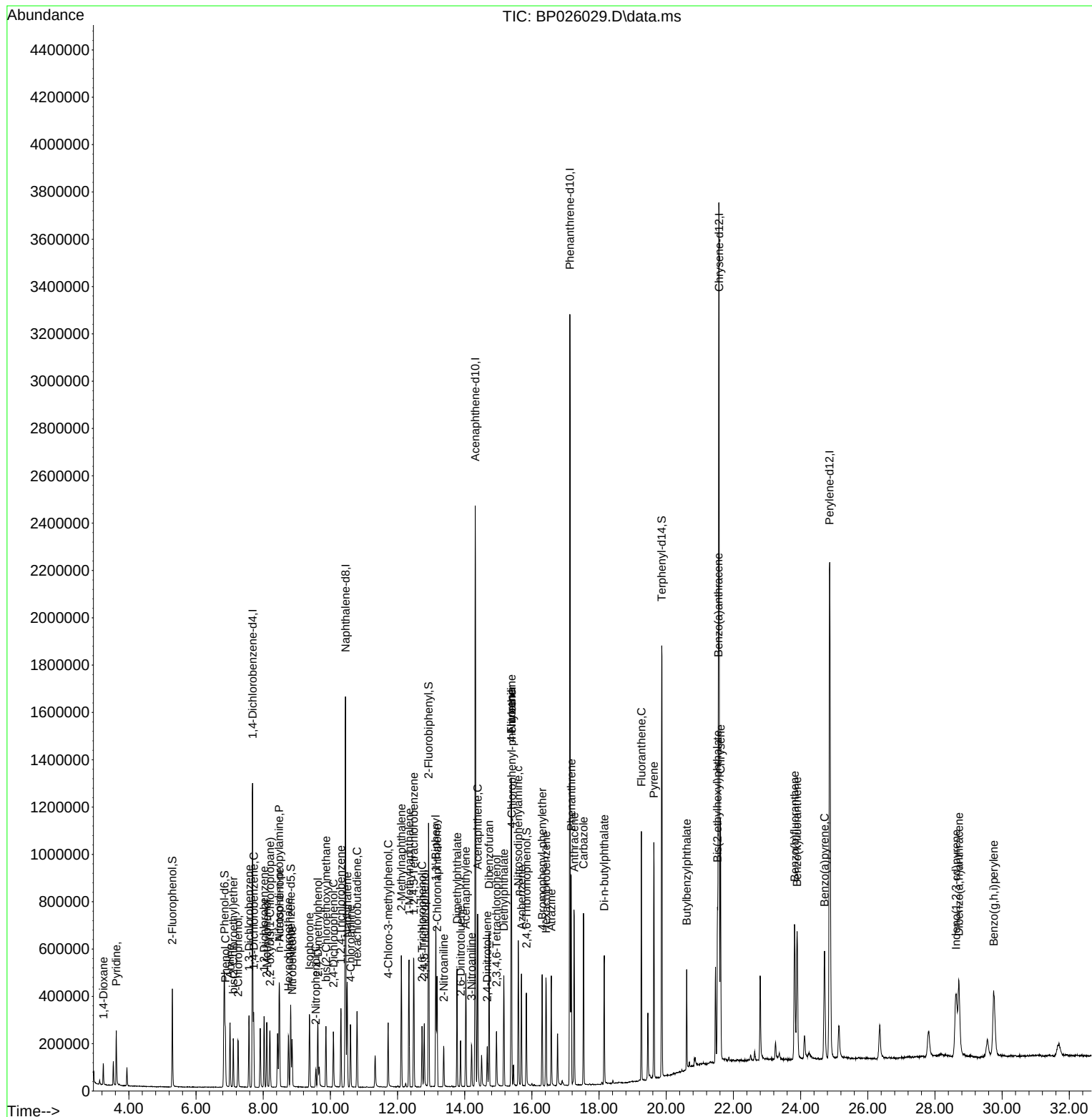
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Acenaphthene	14.384	154	254758	4.564	ng	97
53) 3-Nitroaniline	14.201	138	40998	5.191	ng	# 90
55) Dibenzofuran	14.725	168	399319	4.735	ng	99
57) 2,4-Dinitrotoluene	14.672	165	45113	5.098	ng	98
58) Fluorene	15.384	166	311704	4.718	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.948	232	51676	3.387	ng	96
60) Diethylphthalate	15.166	149	287071	4.240	ng	98
61) 4-Chlorophenyl-phenyle...	15.396	204	161882	4.907	ng	96
62) 4-Nitroaniline	15.390	138	47887	3.327	ng	90
63) Azobenzene	15.690	77	279169	4.550	ng	99
66) n-Nitrosodiphenylamine	15.595	169	260751	4.589	ng	99
67) 4-Bromophenyl-phenylether	16.307	248	93744	4.650	ng	97
68) Hexachlorobenzene	16.419	284	108797	4.741	ng	99
69) Atrazine	16.578	200	80346	4.192	ng	99
71) Phenanthrene	17.172	178	514616	4.865	ng	99
72) Anthracene	17.260	178	483312	4.609	ng	99
73) Carbazole	17.537	167	447699	4.511	ng	99
74) Di-n-butylphthalate	18.154	149	425656	3.833	ng	99
75) Fluoranthene	19.260	202	572045	4.636	ng	98
78) Pyrene	19.631	202	608386	4.441	ng	99
80) Butylbenzylphthalate	20.607	149	118757	5.554	ng	97
81) Benzo(a)anthracene	21.548	228	647742	4.653	ng	99
83) Chrysene	21.613	228	612715	4.647	ng	100
84) Bis(2-ethylhexyl)phtha...	21.525	149	229182	5.327	ng	99
87) Indeno(1,2,3-cd)pyrene	28.630	276	626036	4.030	ng	97
88) Benzo(b)fluoranthene	23.824	252	565252	4.326	ng	98
89) Benzo(k)fluoranthene	23.895	252	588563	4.411	ng	97
90) Benzo(a)pyrene	24.713	252	495105	4.124	ng	99
91) Dibenzo(a,h)anthracene	28.712	278	514485	4.069	ng	97
92) Benzo(g,h,i)perylene	29.748	276	508408	4.178	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026029.D
Acq On : 29 Oct 2025 10:07
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Oct 29 18:07:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026030.D
 Acq On : 29 Oct 2025 10:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:07:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	288854	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1158283	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	734566	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1497196	20.000	ng	0.00
76) Chrysene-d12	21.566	240	1590140	20.000	ng	0.00
86) Perylene-d12	24.883	264	1674719	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	362577	20.712	ng	0.00
7) Phenol-d6	6.849	99	456392	20.484	ng	0.00
23) Nitrobenzene-d5	8.819	82	367535	19.781	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	154869	19.502	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	1138070	22.262	ng	0.00
79) Terphenyl-d14	19.860	244	1788115	22.846	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	81890	11.097	ng	98
3) Pyridine	3.625	79	222154	10.590	ng	98
4) n-Nitrosodimethylamine	3.537	42	86859	10.330	ng	# 96
6) Aniline	7.013	93	311508	10.476	ng	99
8) 2-Chlorophenol	7.249	128	195513	10.086	ng	99
9) Benzaldehyde	6.831	77	123534m	10.666	ng	
10) Phenol	6.878	94	255762	10.340	ng	99
11) bis(2-Chloroethyl)ether	7.114	93	207158	10.612	ng	98
12) 1,3-Dichlorobenzene	7.578	146	239783	10.771	ng	99
13) 1,4-Dichlorobenzene	7.719	146	242788	10.787	ng	99
14) 1,2-Dichlorobenzene	8.031	146	230430	10.729	ng	100
15) Benzyl Alcohol	7.908	79	154491	9.618	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	319172	10.818	ng	99
17) 2-Methylphenol	8.113	107	163076	10.068	ng	99
18) Hexachloroethane	8.755	117	81158	10.537	ng	96
19) n-Nitroso-di-n-propyla...	8.472	70	146354	10.582	ng	99
20) 3+4-Methylphenols	8.431	107	219610	9.746	ng	99
22) Acetophenone	8.490	105	317614	10.842	ng	# 98
24) Nitrobenzene	8.860	77	200078	10.199	ng	98
25) Isophorone	9.378	82	417831	10.506	ng	98
26) 2-Nitrophenol	9.566	139	53200	9.634	ng	96
27) 2,4-Dimethylphenol	9.625	122	177027	10.585	ng	98
28) bis(2-Chloroethoxy)met...	9.866	93	269975	10.772	ng	99
29) 2,4-Dichlorophenol	10.096	162	175015	9.911	ng	100
30) 1,2,4-Trichlorobenzene	10.313	180	209064	10.893	ng	97
31) Naphthalene	10.502	128	684226	10.833	ng	99
32) Benzoic acid	9.684	122	58000	10.150	ng	90
33) 4-Chloroaniline	10.596	127	255029	10.507	ng	100
34) Hexachlorobutadiene	10.796	225	133883	10.977	ng	99
35) Caprolactam	11.331	113	57604	9.290	ng	99
36) 4-Chloro-3-methylphenol	11.719	107	181561	9.808	ng	99
37) 2-Methylnaphthalene	12.113	142	476697	10.783	ng	99
38) 1-Methylnaphthalene	12.331	142	463905	10.801	ng	99
40) 1,2,4,5-Tetrachloroben...	12.484	216	245958	10.776	ng	100
41) Hexachlorocyclopentadiene	12.472	237	73538	8.806	ng	95
43) 2,4,6-Trichlorophenol	12.719	196	125693	9.317	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026030.D
 Acq On : 29 Oct 2025 10:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:07:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	151902	9.868	ng	97
46) 1,1'-Biphenyl	13.131	154	614441	10.924	ng	99
47) 2-Chloronaphthalene	13.172	162	479020	10.824	ng	99
48) 2-Nitroaniline	13.366	65	83149	9.741	ng	92
49) Acenaphthylene	14.031	152	677627	10.506	ng	100
50) Dimethylphthalate	13.766	163	578145	10.820	ng	100
51) 2,6-Dinitrotoluene	13.878	165	71941	9.731	ng	88
52) Acenaphthene	14.384	154	471935	10.658	ng	99
53) 3-Nitroaniline	14.201	138	93292	9.962	ng	# 90
54) 2,4-Dinitrophenol	14.413	184	25388	10.017	ng	# 90
55) Dibenzofuran	14.725	168	733645	10.966	ng	99
56) 4-Nitrophenol	14.513	139	101905	9.565	ng	93
57) 2,4-Dinitrotoluene	14.678	165	105824	9.727	ng	97
58) Fluorene	15.390	166	595481	11.361	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	111275	9.194	ng	99
60) Diethylphthalate	15.166	149	576582	10.734	ng	99
61) 4-Chlorophenyl-phenyle...	15.390	204	294916	11.267	ng	98
62) 4-Nitroaniline	15.390	138	108022	9.461	ng	93
63) Azobenzene	15.690	77	541815	11.130	ng	100
65) 4,6-Dinitro-2-methylph...	15.448	198	39648	10.014	ng	94
66) n-Nitrosodiphenylamine	15.601	169	507903	10.850	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	175158	10.547	ng	96
68) Hexachlorobenzene	16.419	284	204634	10.824	ng	97
69) Atrazine	16.578	200	159536	10.103	ng	99
70) Pentachlorophenol	16.766	266	94142	8.152	ng	97
71) Phenanthrene	17.166	178	964196	11.064	ng	99
72) Anthracene	17.260	178	945078	10.941	ng	100
73) Carbazole	17.536	167	877310	10.729	ng	100
74) Di-n-butylphthalate	18.154	149	912617	9.974	ng	100
75) Fluoranthene	19.254	202	1100035	10.821	ng	99
77) Benzidine	19.454	184	327160	8.106	ng	99
78) Pyrene	19.630	202	1182711	10.997	ng	99
80) Butylbenzylphthalate	20.607	149	267569	9.589	ng	98
81) Benzo(a)anthracene	21.542	228	1190374	10.894	ng	100
82) 3,3'-Dichlorobenzidine	21.472	252	310231	8.812	ng	99
83) Chrysene	21.607	228	1132388	10.940	ng	98
84) Bis(2-ethylhexyl)phtha...	21.525	149	487334	9.805	ng	100
85) Di-n-octyl phthalate	22.795	149	653399	6.903	ng	96
87) Indeno(1,2,3-cd)pyrene	28.618	276	1244503m	10.070	ng	
88) Benzo(b)fluoranthene	23.830	252	1069169	10.284	ng	99
89) Benzo(k)fluoranthene	23.901	252	1143258	10.769	ng	100
90) Benzo(a)pyrene	24.724	252	978750	10.247	ng	99
91) Dibenzo(a,h)anthracene	28.712	278	1020484	10.142	ng	99
92) Benzo(g,h,i)perylene	29.777	276	977235	10.093	ng	98

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

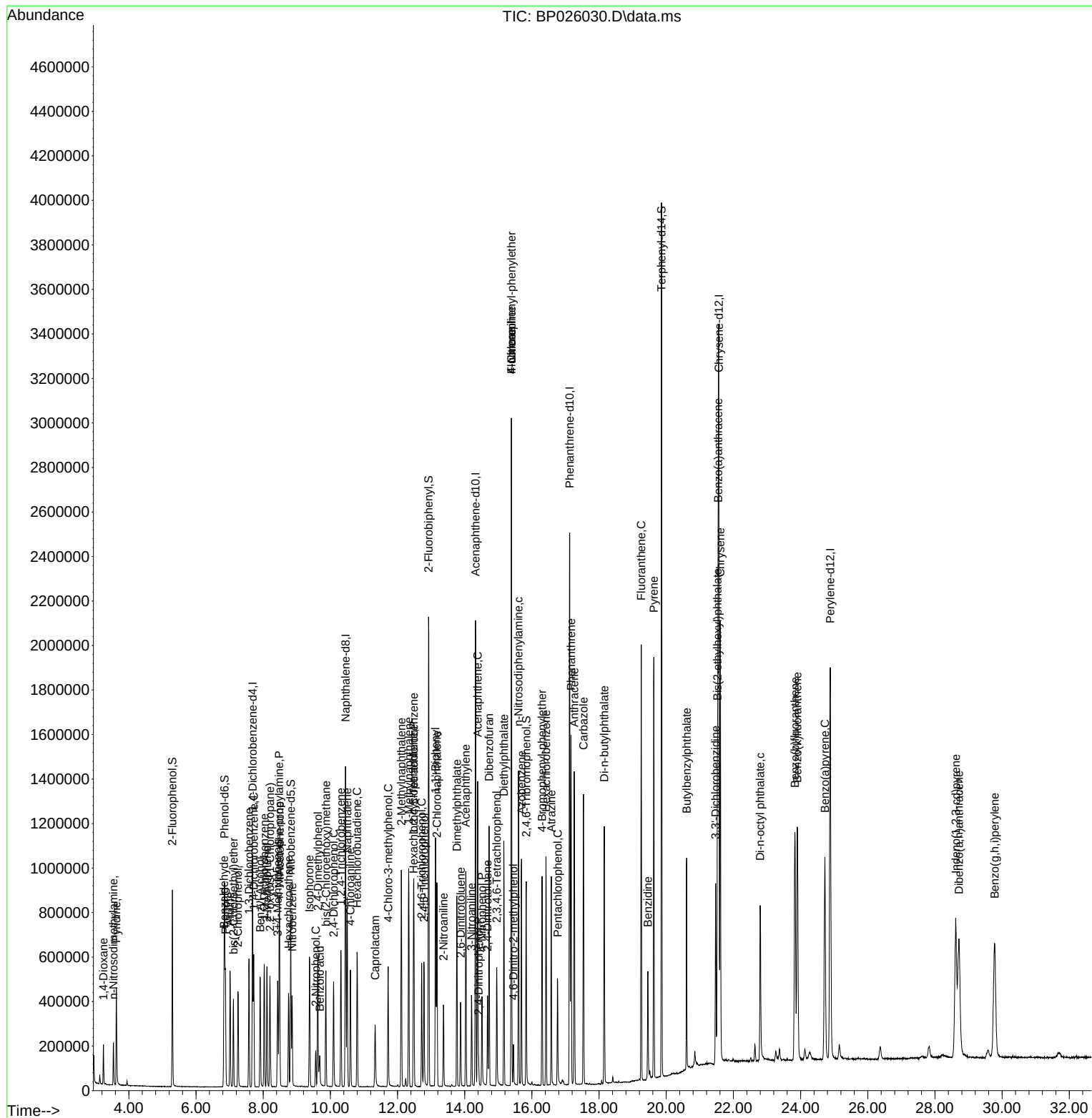
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Data File : BP026030.D  
Acq On    : 29 Oct 2025  10:48  
Operator   : RC/JU  
Sample     : SSTDICC010  
Misc       :  
ALS Vial   : 4    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jaagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:07:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026031.D
 Acq On : 29 Oct 2025 11:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	347170	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1426046	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	884189	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1764983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1935916	20.000	ng	0.01
86) Perylene-d12	24.889	264	2082873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	856596	40.714	ng	0.00
7) Phenol-d6	6.849	99	1092661	40.803	ng	0.00
23) Nitrobenzene-d5	8.819	82	931308	40.712	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	385788	40.359	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	2570497	41.774	ng	-0.01
79) Terphenyl-d14	19.860	244	3920732	41.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	180212	20.318	ng	100
3) Pyridine	3.625	79	516467	20.483	ng	99
4) n-Nitrosodimethylamine	3.537	42	205014	20.287	ng	99
6) Aniline	7.013	93	735067	20.567	ng	100
8) 2-Chlorophenol	7.255	128	470651	20.201	ng	97
9) Benzaldehyde	6.831	77	325513m	23.383	ng	
10) Phenol	6.878	94	607568	20.436	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	476458	20.308	ng	99
12) 1,3-Dichlorobenzene	7.578	146	545717	20.396	ng	100
13) 1,4-Dichlorobenzene	7.719	146	550164	20.337	ng	100
14) 1,2-Dichlorobenzene	8.031	146	526607	20.400	ng	98
15) Benzyl Alcohol	7.913	79	381569	19.765	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	729715	20.579	ng	100
17) 2-Methylphenol	8.113	107	397383	20.413	ng	99
18) Hexachloroethane	8.760	117	185631	20.053	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	352850	21.226	ng	99
20) 3+4-Methylphenols	8.437	107	540688	19.965	ng	99
22) Acetophenone	8.484	105	739513	20.505	ng	99
24) Nitrobenzene	8.860	77	492888	20.407	ng	98
25) Isophorone	9.378	82	1005233	20.531	ng	99
26) 2-Nitrophenol	9.566	139	152813	18.908	ng	99
27) 2,4-Dimethylphenol	9.625	122	401111	19.481	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	622000	20.157	ng	99
29) 2,4-Dichlorophenol	10.090	162	438904	20.189	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	480041	20.315	ng	98
31) Naphthalene	10.496	128	1598863	20.560	ng	100
32) Benzoic acid	9.713	122	181442	19.682	ng	97
33) 4-Chloroaniline	10.596	127	609114	20.383	ng	99
34) Hexachlorobutadiene	10.796	225	298535	19.881	ng	98
35) Caprolactam	11.343	113	146841	19.234	ng	97
36) 4-Chloro-3-methylphenol	11.719	107	464170	20.367	ng	99
37) 2-Methylnaphthalene	12.107	142	1100141	20.213	ng	99
38) 1-Methylnaphthalene	12.331	142	1075202	20.334	ng	98
40) 1,2,4,5-Tetrachloroben...	12.484	216	562803	20.486	ng	100
41) Hexachlorocyclopentadiene	12.472	237	175347	17.444	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	328962	20.258	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026031.D
 Acq On : 29 Oct 2025 11:29
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/30/2025

Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:05 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 29 15:29:49 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.790	196	375399	20.260	ng	97
46) 1,1'-Biphenyl	13.137	154	1394592	20.599	ng	100
47) 2-Chloronaphthalene	13.172	162	1103115	20.709	ng	99
48) 2-Nitroaniline	13.366	65	237733	19.391	ng	98
49) Acenaphthylene	14.031	152	1619778	20.863	ng	100
50) Dimethylphthalate	13.766	163	1318220	20.496	ng	100
51) 2,6-Dinitrotoluene	13.872	165	206491	19.266	ng	96
52) Acenaphthene	14.372	154	1102148	20.678	ng	100
53) 3-Nitroaniline	14.201	138	261900	19.720	ng	99
54) 2,4-Dinitrophenol	14.407	184	72866	20.106	ng	93
55) Dibenzofuran	14.713	168	1667180	20.703	ng	99
56) 4-Nitrophenol	14.507	139	273512	21.327	ng	97
57) 2,4-Dinitrotoluene	14.666	165	300694	19.242	ng	99
58) Fluorene	15.378	166	1326773	21.030	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	293495	20.145	ng	99
60) Diethylphthalate	15.154	149	1311790	20.288	ng	99
61) 4-Chlorophenyl-phenyle...	15.378	204	650778	20.656	ng	100
62) 4-Nitroaniline	15.378	138	290147	21.112	ng	98
63) Azobenzene	15.678	77	1206973	20.597	ng	98
65) 4,6-Dinitro-2-methylph...	15.448	198	113887	20.196	ng	99
66) n-Nitrosodiphenylamine	15.590	169	1131476	20.503	ng	100
67) 4-Bromophenyl-phenylether	16.295	248	391458	19.995	ng	99
68) Hexachlorobenzene	16.407	284	452701	20.312	ng	98
69) Atrazine	16.572	200	389382	20.916	ng	96
70) Pentachlorophenol	16.754	266	252504	18.548	ng	99
71) Phenanthrene	17.166	178	2134410	20.777	ng	100
72) Anthracene	17.254	178	2109900	20.719	ng	100
73) Carbazole	17.536	167	2054988	21.318	ng	99
74) Di-n-butylphthalate	18.148	149	2189917	20.303	ng	100
75) Fluoranthene	19.254	202	2516802	21.002	ng	99
77) Benzidine	19.454	184	984237	20.030	ng	99
78) Pyrene	19.630	202	2700976	20.628	ng	100
80) Butylbenzylphthalate	20.607	149	787044	18.358	ng	98
81) Benzo(a)anthracene	21.554	228	2723711	20.474	ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	821245	19.160	ng	100
83) Chrysene	21.624	228	2610441	20.715	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	1336224	18.694	ng	100
85) Di-n-octyl phthalate	22.807	149	1984874	17.224	ng	99
87) Indeno(1,2,3-cd)pyrene	28.648	276	3205879m	20.856	ng	
88) Benzo(b)fluoranthene	23.836	252	2661543	20.584	ng	100
89) Benzo(k)fluoranthene	23.907	252	2720350	20.602	ng	99
90) Benzo(a)pyrene	24.724	252	2440075	20.541	ng	100
91) Dibenzo(a,h)anthracene	28.730	278	2601046	20.785	ng	99
92) Benzo(g,h,i)perylene	29.806	276	2538211	21.078	ng	99

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

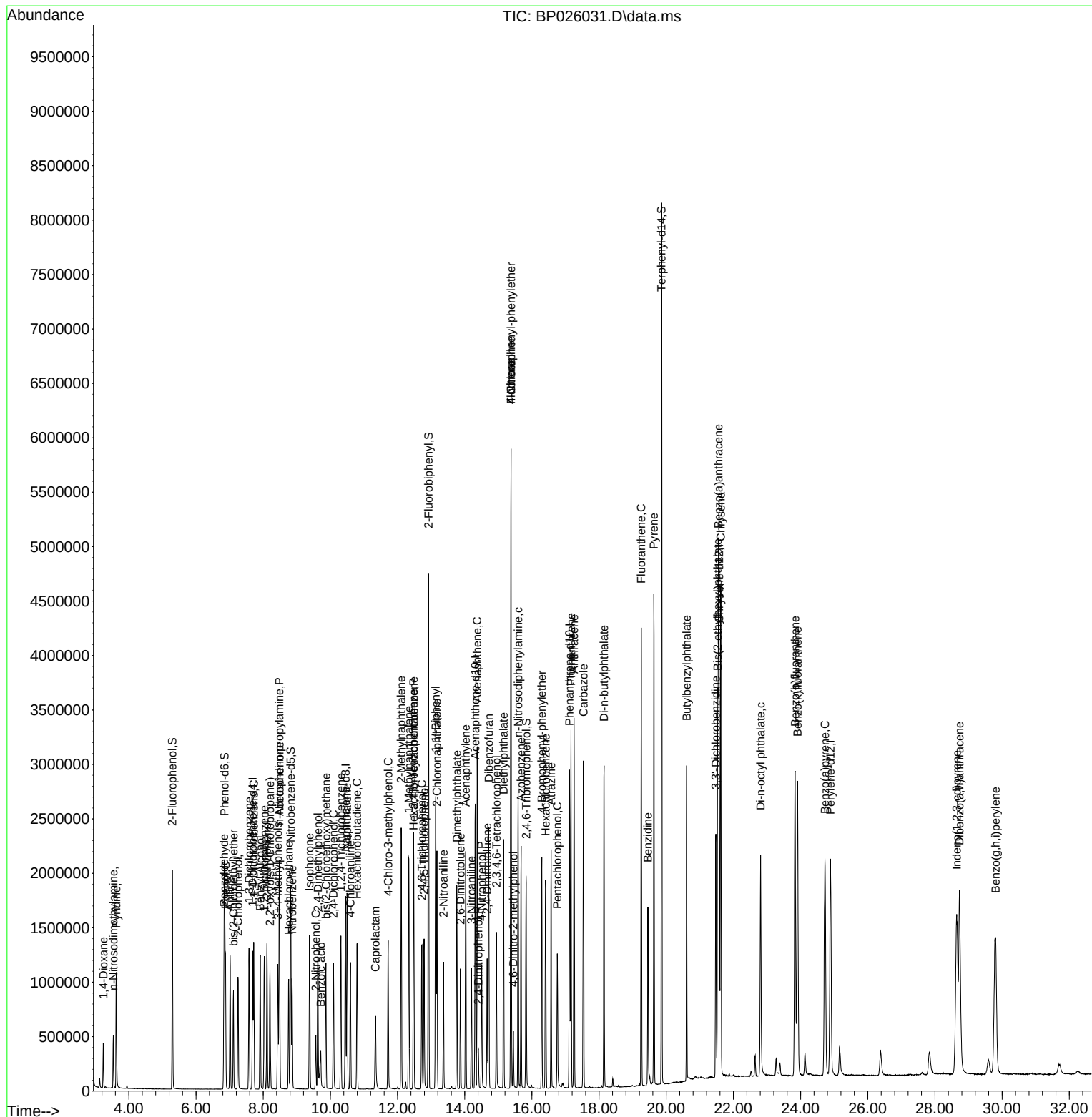
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Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jaagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026032.D
 Acq On : 29 Oct 2025 12:10
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	293060	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1204929	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	764236	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1555861	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1646604	20.000	ng	0.01
86) Perylene-d12	24.889	264	1760712	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1464250	82.445	ng	0.00
7) Phenol-d6	6.855	99	1882712	83.286	ng	0.00
23) Nitrobenzene-d5	8.825	82	1630132	84.339	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	722838	87.488	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4342634	81.651	ng	-0.01
79) Terphenyl-d14	19.866	244	6676375	82.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	302066	40.344	ng	100
3) Pyridine	3.625	79	867862	40.775	ng	100
4) n-Nitrosodimethylamine	3.537	42	342452	40.144	ng	100
6) Aniline	7.019	93	1237729	41.026	ng	100
8) 2-Chlorophenol	7.255	128	822579	41.826	ng	100
9) Benzaldehyde	6.831	77	474239	40.357	ng	100
10) Phenol	6.884	94	1039468	41.420	ng	100
11) bis(2-Chloroethyl)ether	7.119	93	804729	40.632	ng	100
12) 1,3-Dichlorobenzene	7.578	146	921791	40.813	ng	100
13) 1,4-Dichlorobenzene	7.719	146	925177	40.514	ng	100
14) 1,2-Dichlorobenzene	8.031	146	888039	40.753	ng	100
15) Benzyl Alcohol	7.913	79	668211	41.003	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1230074	41.095	ng	100
17) 2-Methylphenol	8.113	107	688795	41.915	ng	100
18) Hexachloroethane	8.760	117	323386	41.385	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	601712	42.881	ng	100
20) 3+4-Methylphenols	8.437	107	945490	41.358	ng	100
22) Acetophenone	8.490	105	1247543	40.939	ng	100
24) Nitrobenzene	8.866	77	859810	42.132	ng	100
25) Isophorone	9.390	82	1734781	41.932	ng	100
26) 2-Nitrophenol	9.566	139	308209	41.419	ng	100
27) 2,4-Dimethylphenol	9.631	122	728530	41.876	ng	100
28) bis(2-Chloroethoxy)met...	9.866	93	1076336	41.282	ng	100
29) 2,4-Dichlorophenol	10.101	162	788938	42.949	ng	100
30) 1,2,4-Trichlorobenzene	10.319	180	817950	40.968	ng	100
31) Naphthalene	10.501	128	2686976	40.893	ng	100
32) Benzoic acid	9.743	122	404584	40.754	ng	100
33) 4-Chloroaniline	10.601	127	1052918	41.701	ng	100
34) Hexachlorobutadiene	10.801	225	520749	41.043	ng	100
35) Caprolactam	11.360	113	271877	42.147	ng	100
36) 4-Chloro-3-methylphenol	11.731	107	831835	43.198	ng	100
37) 2-Methylnaphthalene	12.119	142	1916037	41.663	ng	100
38) 1-Methylnaphthalene	12.337	142	1850373	41.416	ng	100
40) 1,2,4,5-Tetrachloroben...	12.484	216	966620	40.707	ng	100
41) Hexachlorocyclopentadiene	12.478	237	361557	41.615	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	614032	43.748	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026032.D
 Acq On : 29 Oct 2025 12:10
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

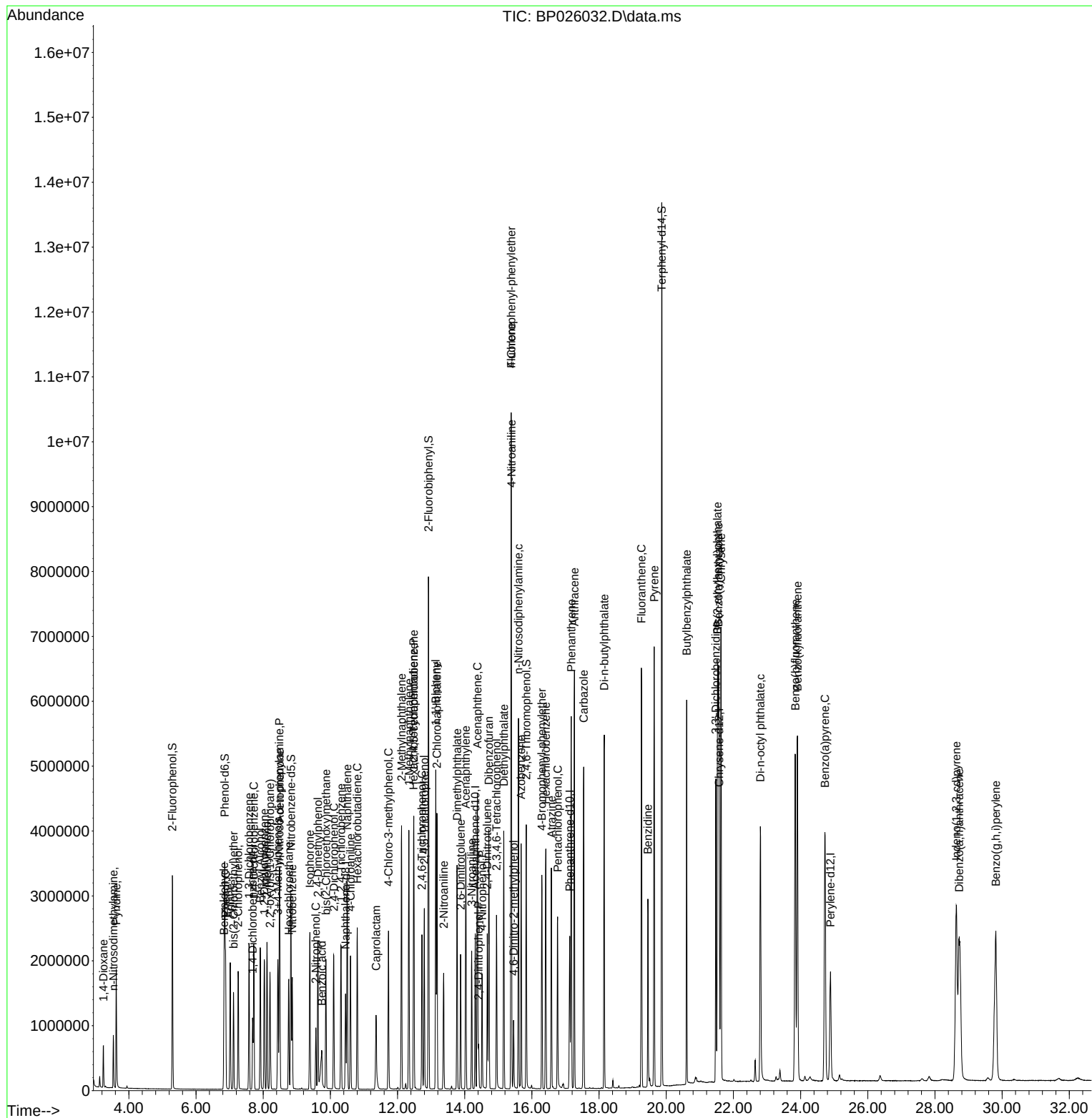
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	697254	43.536	ng	100
46) 1,1'-Biphenyl	13.137	154	2384975	40.756	ng	100
47) 2-Chloronaphthalene	13.172	162	1878852	40.808	ng	100
48) 2-Nitroaniline	13.372	65	464490	40.401	ng	100
49) Acenaphthylene	14.031	152	2800152	41.727	ng	100
50) Dimethylphthalate	13.772	163	2326622	41.854	ng	100
51) 2,6-Dinitrotoluene	13.878	165	402854	39.911	ng	100
52) Acenaphthene	14.378	154	1909071	41.440	ng	100
53) 3-Nitroaniline	14.207	138	495409	40.022	ng	100
54) 2,4-Dinitrophenol	14.413	184	153212	40.475	ng	100
55) Dibenzofuran	14.719	168	2856737	41.043	ng	100
56) 4-Nitrophenol	14.519	139	436072	39.340	ng	100
57) 2,4-Dinitrotoluene	14.672	165	600497	40.877	ng	100
58) Fluorene	15.384	166	2216283	40.643	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	556750	44.213	ng	100
60) Diethylphthalate	15.160	149	2367180	42.357	ng	100
61) 4-Chlorophenyl-phenyle...	15.384	204	1116700	41.008	ng	100
62) 4-Nitroaniline	15.389	138	522724	44.005	ng	100
63) Azobenzene	15.678	77	2107059	41.601	ng	100
65) 4,6-Dinitro-2-methylph...	15.454	198	237899	39.981	ng	100
66) n-Nitrosodiphenylamine	15.601	169	2012448	41.369	ng	100
67) 4-Bromophenyl-phenylether	16.295	248	710184	41.150	ng	100
68) Hexachlorobenzene	16.413	284	801740	40.808	ng	100
69) Atrazine	16.583	200	681323	41.518	ng	100
70) Pentachlorophenol	16.766	266	499791	41.647	ng	100
71) Phenanthrene	17.172	178	3699137	40.848	ng	100
72) Anthracene	17.266	178	3661573	40.790	ng	100
73) Carbazole	17.542	167	3513761	41.351	ng	100
74) Di-n-butylphthalate	18.154	149	4146570	43.610	ng	100
75) Fluoranthene	19.260	202	4389430	41.552	ng	100
77) Benzidine	19.454	184	1702883	40.744	ng	100
78) Pyrene	19.642	202	4699012	42.194	ng	100
80) Butylbenzylphthalate	20.607	149	1633601	39.905	ng	100
81) Benzo(a)anthracene	21.554	228	4675082	41.317	ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	1520065	41.695	ng	100
83) Chrysene	21.630	228	4430345	41.334	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	2729269	41.098	ng	100
85) Di-n-octyl phthalate	22.801	149	4237623	43.233	ng	100
87) Indeno(1,2,3-cd)pyrene	28.636	276	5507457	42.386	ng	100
88) Benzo(b)fluoranthene	23.842	252	4599800	42.083	ng	100
89) Benzo(k)fluoranthene	23.907	252	4686005	41.983	ng	100
90) Benzo(a)pyrene	24.724	252	4261972	42.443	ng	100
91) Dibenzo(a,h)anthracene	28.724	278	4484851	42.397	ng	100
92) Benzo(g,h,i)perylene	29.812	276	4266684	41.915	ng	100

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\  
Data File : BP026032.D  
Acq On    : 29 Oct 2025 12:10  
Operator  : RC/JU  
Sample    : SSTDICCC040  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Oct 29 18:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026033.D
 Acq On : 29 Oct 2025 12:51
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	349214	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1438966	20.000	ng	0.00
39) Acenaphthene-d10	14.325	164	904273	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1803155	20.000	ng	0.00
76) Chrysene-d12	21.566	240	1902632	20.000	ng	0.00
86) Perylene-d12	24.883	264	2091380	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1961372	92.678	ng	0.00
7) Phenol-d6	6.855	99	2487382	92.341	ng	0.00
23) Nitrobenzene-d5	8.825	82	2201797	95.388	ng	0.00
42) 2,4,6-Tribromophenol	15.836	330	946601	96.828	ng	0.00
45) 2-Fluorobiphenyl	12.937	172	5564834	88.427	ng	0.00
79) Terphenyl-d14	19.866	244	8183730	87.388	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	395783	44.361	ng	99
3) Pyridine	3.625	79	1138611	44.894	ng	100
4) n-Nitrosodimethylamine	3.537	42	455456	44.806	ng	99
6) Aniline	7.019	93	1645368	45.768	ng	99
8) 2-Chlorophenol	7.255	128	1102018	47.024	ng	99
9) Benzaldehyde	6.837	77	584865	41.768	ng	98
10) Phenol	6.884	94	1369223	45.786	ng	99
11) bis(2-Chloroethyl)ether	7.119	93	1072428	45.441	ng	100
12) 1,3-Dichlorobenzene	7.578	146	1208921	44.919	ng	100
13) 1,4-Dichlorobenzene	7.719	146	1221221	44.879	ng	100
14) 1,2-Dichlorobenzene	8.037	146	1168413	44.998	ng	99
15) Benzyl Alcohol	7.919	79	890562	45.860	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1611516	45.181	ng	100
17) 2-Methylphenol	8.113	107	922978	47.134	ng	99
18) Hexachloroethane	8.755	117	427757	45.939	ng	98
19) n-Nitroso-di-n-propyla...	8.484	70	789416	47.211	ng	98
20) 3+4-Methylphenols	8.437	107	1248064	45.814	ng	99
22) Acetophenone	8.496	105	1638579	45.025	ng	# 98
24) Nitrobenzene	8.866	77	1139668	46.762	ng	100
25) Isophorone	9.390	82	2274125	46.029	ng	99
26) 2-Nitrophenol	9.572	139	447065	49.734	ng	97
27) 2,4-Dimethylphenol	9.631	122	966770	46.532	ng	98
28) bis(2-Chloroethoxy)met...	9.872	93	1423542	45.719	ng	99
29) 2,4-Dichlorophenol	10.096	162	1050277	47.877	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1082702	45.408	ng	98
31) Naphthalene	10.501	128	3517083	44.821	ng	99
32) Benzoic acid	9.760	122	583423	46.816	ng	98
33) 4-Chloroaniline	10.607	127	1380084	45.768	ng	99
34) Hexachlorobutadiene	10.801	225	683383	45.101	ng	99
35) Caprolactam	11.372	113	356316	46.253	ng	95
36) 4-Chloro-3-methylphenol	11.725	107	1091555	47.466	ng	99
37) 2-Methylnaphthalene	12.113	142	2496690	45.460	ng	99
38) 1-Methylnaphthalene	12.343	142	2384802	44.696	ng	98
40) 1,2,4,5-Tetrachloroben...	12.490	216	1276225	45.422	ng	99
41) Hexachlorocyclopentadiene	12.478	237	492338	47.892	ng	97
43) 2,4,6-Trichlorophenol	12.725	196	814315	49.033	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026033.D
 Acq On : 29 Oct 2025 12:51
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	915816	48.327	ng	98
46) 1,1'-Biphenyl	13.143	154	3114348	44.979	ng	99
47) 2-Chloronaphthalene	13.184	162	2465203	45.251	ng	99
48) 2-Nitroaniline	13.378	65	626496	45.673	ng	100
49) Acenaphthylene	14.037	152	3657970	46.069	ng	99
50) Dimethylphthalate	13.772	163	2990506	45.465	ng	100
51) 2,6-Dinitrotoluene	13.884	165	554294	45.947	ng	100
52) Acenaphthene	14.389	154	2461012	45.148	ng	100
53) 3-Nitroaniline	14.213	138	666202	45.125	ng	98
54) 2,4-Dinitrophenol	14.413	184	217265	46.408	ng	# 85
55) Dibenzofuran	14.725	168	3647999	44.295	ng	98
56) 4-Nitrophenol	14.519	139	583197	44.465	ng	99
57) 2,4-Dinitrotoluene	14.684	165	812960	46.376	ng	96
58) Fluorene	15.395	166	2848597	44.149	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	741007	49.733	ng	100
60) Diethylphthalate	15.178	149	3052331	46.159	ng	99
61) 4-Chlorophenyl-phenyle...	15.389	204	1408511	43.714	ng	99
62) 4-Nitroaniline	15.401	138	673347	47.907	ng	100
63) Azobenzene	15.695	77	2685827	44.816	ng	98
65) 4,6-Dinitro-2-methylph...	15.460	198	336876	46.617	ng	94
66) n-Nitrosodiphenylamine	15.613	169	2556770	45.350	ng	100
67) 4-Bromophenyl-phenylether	16.307	248	918587	45.926	ng	99
68) Hexachlorobenzene	16.419	284	1017148	44.671	ng	98
69) Atrazine	16.583	200	868165	45.648	ng	98
70) Pentachlorophenol	16.766	266	667717	48.009	ng	100
71) Phenanthrene	17.172	178	4646242	44.270	ng	100
72) Anthracene	17.266	178	4704548	45.221	ng	100
73) Carbazole	17.542	167	4367887	44.353	ng	99
74) Di-n-butylphthalate	18.160	149	5391627	48.928	ng	100
75) Fluoranthene	19.260	202	5518479	45.075	ng	99
77) Benzidine	19.460	184	2144466	44.405	ng	100
78) Pyrene	19.636	202	5789133	44.987	ng	99
80) Butylbenzylphthalate	20.607	149	2226346	46.457	ng	99
81) Benzo(a)anthracene	21.548	228	5824139	44.546	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	1980734	47.020	ng	99
83) Chrysene	21.619	228	5558878	44.884	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3652585	47.172	ng	98
85) Di-n-octyl phthalate	22.807	149	5887832	51.985	ng	99
87) Indeno(1,2,3-cd)pyrene	28.659	276	7169922m	46.456	ng	
88) Benzo(b)fluoranthene	23.854	252	6008578	46.280	ng	100
89) Benzo(k)fluoranthene	23.924	252	5963953	44.984	ng	100
90) Benzo(a)pyrene	24.742	252	5510203	46.197	ng	99
91) Dibenzo(a,h)anthracene	28.753	278	5841467	46.490	ng	99
92) Benzo(g,h,i)perylene	29.812	276	5581541	46.163	ng	99

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

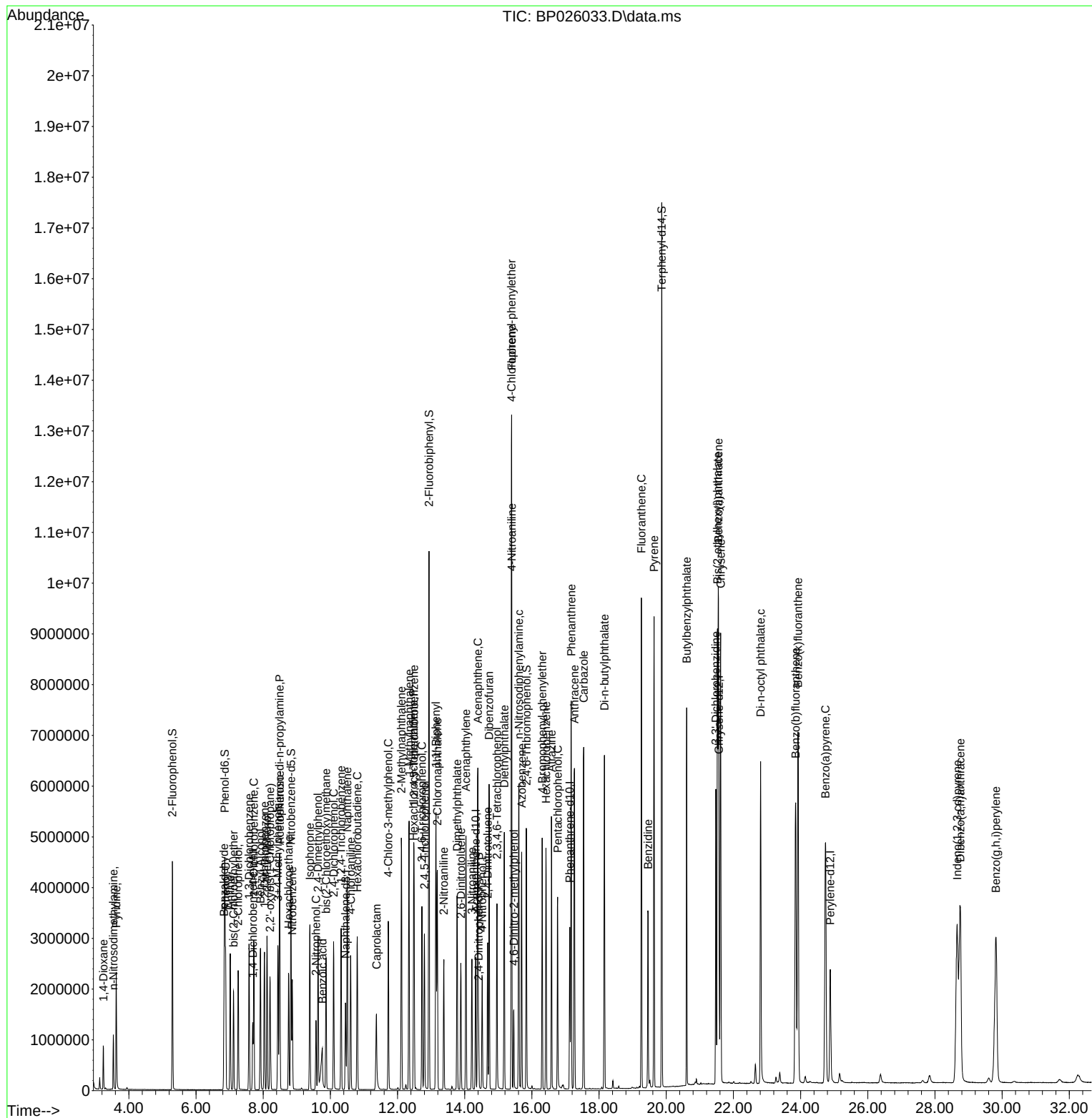
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Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026034.D
 Acq On : 29 Oct 2025 13:32
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Oct 29 18:08:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	294204	20.000	ng	0.00
21) Naphthalene-d8	10.448	136	1188234	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	740246	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1468570	20.000	ng	0.00
76) Chrysene-d12	21.583	240	1519622	20.000	ng	0.02
86) Perylene-d12	24.895	264	1658930	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2326169	130.467	ng	0.00
7) Phenol-d6	6.855	99	2901394	127.851	ng	0.00
23) Nitrobenzene-d5	8.825	82	2556249	134.112	ng	0.00
42) 2,4,6-Tribromophenol	15.842	330	1109676	138.661	ng	0.01
45) 2-Fluorobiphenyl	12.931	172	6359685	123.451	ng	0.00
79) Terphenyl-d14	19.871	244	9289969	124.204	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	477216	63.490	ng	99
3) Pyridine	3.625	79	1369619	64.099	ng	99
4) n-Nitrosodimethylamine	3.543	42	538920	62.930	ng	96
6) Aniline	7.019	93	1904638	62.886	ng	99
8) 2-Chlorophenol	7.255	128	1304563	66.075	ng	99
9) Benzaldehyde	6.831	77	702436	59.544	ng	99
10) Phenol	6.884	94	1609307	63.877	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	1252563	62.998	ng	99
12) 1,3-Dichlorobenzene	7.578	146	1421445	62.690	ng	99
13) 1,4-Dichlorobenzene	7.719	146	1441195	62.866	ng	99
14) 1,2-Dichlorobenzene	8.031	146	1368134	62.542	ng	98
15) Benzyl Alcohol	7.913	79	1040602	63.606	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1838598	61.185	ng	99
17) 2-Methylphenol	8.113	107	1068062	64.741	ng	99
18) Hexachloroethane	8.754	117	501286	63.902	ng	98
19) n-Nitroso-di-n-propyla...	8.484	70	904719	64.223	ng	97
20) 3+4-Methylphenols	8.437	107	1452480	63.287	ng	99
22) Acetophenone	8.490	105	1872894	62.324	ng	# 99
24) Nitrobenzene	8.866	77	1321111	65.646	ng	99
25) Isophorone	9.384	82	2601391	63.763	ng	99
27) 2,4-Dimethylphenol	9.625	122	1124076	65.520	ng	98
28) bis(2-Chloroethoxy)met...	9.872	93	1608539	62.561	ng	99
29) 2,4-Dichlorophenol	10.096	162	1213575	66.994	ng	100
30) 1,2,4-Trichlorobenzene	10.313	180	1238545	62.905	ng	98
31) Naphthalene	10.501	128	4053338	62.555	ng	100
32) Benzoic acid	9.766	122	733177	63.317	ng	97
33) 4-Chloroaniline	10.601	127	1586613	63.721	ng	99
34) Hexachlorobutadiene	10.790	225	792964	63.376	ng	99
35) Caprolactam	11.372	113	414253	65.121	ng	93
36) 4-Chloro-3-methylphenol	11.725	107	1268077	66.778	ng	100
37) 2-Methylnaphthalene	12.113	142	2826130	62.316	ng	100
38) 1-Methylnaphthalene	12.337	142	2744994	62.303	ng	99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1452519	63.152	ng	100
41) Hexachlorocyclopentadiene	12.478	237	577139	68.581	ng	97
43) 2,4,6-Trichlorophenol	12.731	196	947367	69.685	ng	99
44) 2,4,5-Trichlorophenol	12.795	196	1042039	67.173	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026034.D
 Acq On : 29 Oct 2025 13:32
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Oct 29 18:08:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

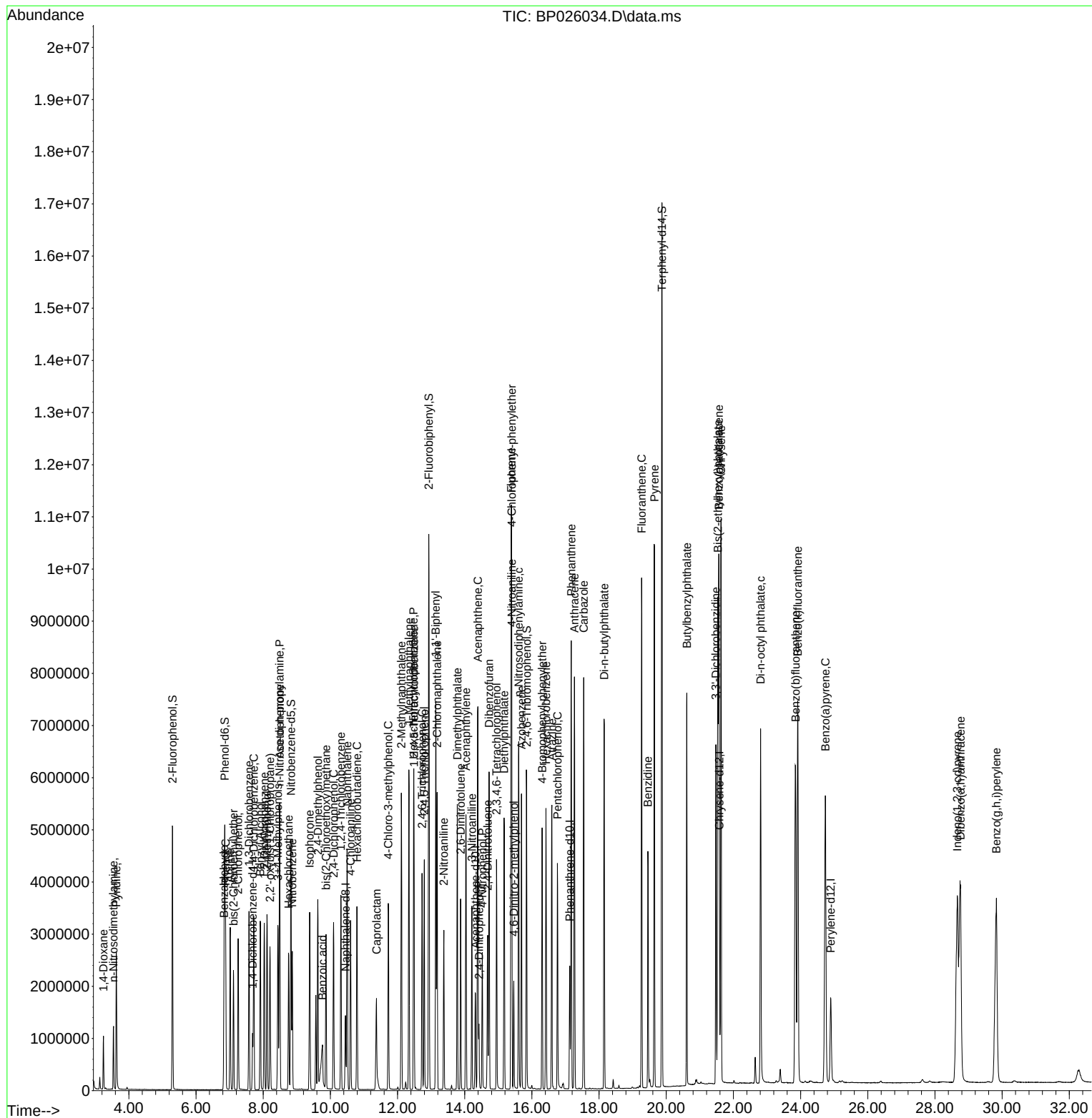
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.137	154	3519299	62.090	ng	100
47) 2-Chloronaphthalene	13.178	162	2781932	62.380	ng	98
48) 2-Nitroaniline	13.378	65	737734	64.505	ng	98
49) Acenaphthylene	14.037	152	4167114	64.110	ng	100
50) Dimethylphthalate	13.778	163	3449991	64.073	ng	100
51) 2,6-Dinitrotoluene	13.878	165	652327	64.811	ng	99
52) Acenaphthene	14.389	154	2837620	63.592	ng	99
53) 3-Nitroaniline	14.213	138	780369	63.434	ng	99
54) 2,4-Dinitrophenol	14.425	184	274254	63.744	ng	95
55) Dibenzofuran	14.725	168	4183126	62.047	ng	100
56) 4-Nitrophenol	14.525	139	688114	64.089	ng	99
57) 2,4-Dinitrotoluene	14.684	165	961200	65.768	ng	95
58) Fluorene	15.383	166	3313648	62.737	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	858179	70.360	ng	100
60) Diethylphthalate	15.172	149	3534128	65.288	ng	100
61) 4-Chlorophenyl-phenyle...	15.395	204	1640879	62.210	ng	99
62) 4-Nitroaniline	15.401	138	817496	71.051	ng	99
63) Azobenzene	15.689	77	3079138	62.764	ng	98
65) 4,6-Dinitro-2-methylph...	15.460	198	420911	64.124	ng	95
66) n-Nitrosodiphenylamine	15.607	169	2901612	63.193	ng	100
67) 4-Bromophenyl-phenylether	16.307	248	1043905	64.082	ng	98
68) Hexachlorobenzene	16.419	284	1180264	63.645	ng	100
69) Atrazine	16.595	200	1050788	67.838	ng	98
70) Pentachlorophenol	16.760	266	783472	69.166	ng	99
71) Phenanthrene	17.172	178	5263383	61.576	ng	99
72) Anthracene	17.266	178	5375909	63.447	ng	100
73) Carbazole	17.542	167	5059908	63.086	ng	100
74) Di-n-butylphthalate	18.154	149	6072603	67.663	ng	100
75) Fluoranthene	19.266	202	6263426	62.816	ng	99
77) Benzidine	19.454	184	2726283	70.680	ng	100
78) Pyrene	19.648	202	6521771	63.454	ng	99
80) Butylbenzylphthalate	20.613	149	2549176	65.127	ng	97
81) Benzo(a)anthracene	21.566	228	6577757	62.991	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2266707	67.371	ng	100
83) Chrysene	21.630	228	6150315	62.176	ng	99
84) Bis(2-ethylhexyl)phtha...	21.536	149	3949393	62.903	ng	99
85) Di-n-octyl phthalate	22.807	149	6415656	70.922	ng	99
87) Indeno(1,2,3-cd)pyrene	28.665	276	8109098	66.237	ng	99
88) Benzo(b)fluoranthene	23.848	252	6695122	65.011	ng	100
89) Benzo(k)fluoranthene	23.912	252	6702900	63.737	ng	99
90) Benzo(a)pyrene	24.736	252	6233786	65.888	ng	99
91) Dibenzo(a,h)anthracene	28.759	278	6571045	65.929	ng	100
92) Benzo(g,h,i)perylene	29.830	276	6265775	65.331	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026034.D
Acq On : 29 Oct 2025 13:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Oct 29 18:08:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026035.D
 Acq On : 29 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	285372	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1176810	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	727864	20.000	ng	0.00
64) Phenanthrene-d10	17.124	188	1454350	20.000	ng	0.00
76) Chrysene-d12	21.565	240	1518010	20.000	ng	0.00
86) Perylene-d12	24.883	264	1693006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2853584	165.001	ng	0.00
7) Phenol-d6	6.854	99	3663018	166.407	ng	0.00
23) Nitrobenzene-d5	8.825	82	3225718	170.878	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	1360572	172.904	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	7610514	150.244	ng	0.00
79) Terphenyl-d14	19.865	244	11030199	147.627	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	581796	79.799	ng	98
3) Pyridine	3.619	79	1683455	81.225	ng	99
4) n-Nitrosodimethylamine	3.537	42	667192	80.319	ng	95
6) Aniline	7.019	93	2386368	81.230	ng	99
8) 2-Chlorophenol	7.254	128	1627396	84.977	ng	98
9) Benzaldehyde	6.831	77	848919	74.188	ng	99
10) Phenol	6.884	94	2009800	82.242	ng	99
11) bis(2-Chloroethyl)ether	7.119	93	1555565	80.659	ng	99
12) 1,3-Dichlorobenzene	7.578	146	1739151	79.076	ng	99
13) 1,4-Dichlorobenzene	7.725	146	1760668	79.178	ng	100
14) 1,2-Dichlorobenzene	8.031	146	1691085	79.697	ng	100
15) Benzyl Alcohol	7.913	79	1329833	83.801	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.201	45	2262252	77.614	ng	99
17) 2-Methylphenol	8.113	107	1342933	83.922	ng	99
18) Hexachloroethane	8.760	117	623268	81.910	ng	99
19) n-Nitroso-di-n-propyla...	8.490	70	1125887	82.397	ng	97
20) 3+4-Methylphenols	8.443	107	1820304	81.769	ng	99
22) Acetophenone	8.495	105	2326587	78.173	ng	99
24) Nitrobenzene	8.866	77	1665956	83.585	ng	99
25) Isophorone	9.390	82	3260235	80.688	ng	100
27) 2,4-Dimethylphenol	9.631	122	1434677	84.436	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	2010418	78.950	ng	99
29) 2,4-Dichlorophenol	10.095	162	1524906	84.998	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1545459	79.255	ng	99
31) Naphthalene	10.501	128	5003853	77.974	ng	99
32) Benzoic acid	9.778	122	1000336	79.140	ng	97
33) 4-Chloroaniline	10.595	127	2008519	81.448	ng	99
34) Hexachlorobutadiene	10.795	225	976216	78.780	ng	99
35) Caprolactam	11.384	113	526808	83.619	ng	94
36) 4-Chloro-3-methylphenol	11.731	107	1587177	84.393	ng	99
37) 2-Methylnaphthalene	12.113	142	3532026	78.637	ng	99
38) 1-Methylnaphthalene	12.336	142	3416923	78.306	ng	99
40) 1,2,4,5-Tetrachloroben...	12.489	216	1802921	79.720	ng	100
41) Hexachlorocyclopentadiene	12.478	237	732085	88.474	ng	96
43) 2,4,6-Trichlorophenol	12.725	196	1201855	89.908	ng	100
44) 2,4,5-Trichlorophenol	12.795	196	1327296	87.017	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026035.D
 Acq On : 29 Oct 2025 14:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 15:29:49 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.136	154	4347017	77.997	ng	100
47) 2-Chloronaphthalene	13.172	162	3434628	78.326	ng	100
48) 2-Nitroaniline	13.378	65	958497	84.358	ng	96
49) Acenaphthylene	14.036	152	5073069	79.376	ng	100
50) Dimethylphthalate	13.772	163	4187309	79.090	ng	100
51) 2,6-Dinitrotoluene	13.878	165	834638	83.478	ng	99
52) Acenaphthene	14.383	154	3469946	79.085	ng	99
53) 3-Nitroaniline	14.207	138	995927	81.547	ng	99
54) 2,4-Dinitrophenol	14.419	184	366262	79.098	ng	96
55) Dibenzofuran	14.725	168	5170871	78.003	ng	100
56) 4-Nitrophenol	14.519	139	875195	82.900	ng	100
57) 2,4-Dinitrotoluene	14.678	165	1218227	83.983	ng	98
58) Fluorene	15.383	166	3839303	73.925	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	1077698	89.860	ng	100
60) Diethylphthalate	15.166	149	4232388	79.517	ng	100
61) 4-Chlorophenyl-phenyle...	15.389	204	1914592	73.822	ng	99
62) 4-Nitroaniline	15.401	138	986852	87.229	ng	97
63) Azobenzene	15.689	77	3723361	77.187	ng	98
65) 4,6-Dinitro-2-methylph...	15.454	198	556384	78.914	ng	97
66) n-Nitrosodiphenylamine	15.601	169	3556221	78.206	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	1290917	80.020	ng	98
68) Hexachlorobenzene	16.419	284	1439069	78.359	ng	99
69) Atrazine	16.583	200	1256682	81.924	ng	98
70) Pentachlorophenol	16.766	266	990090	88.261	ng	99
71) Phenanthrene	17.172	178	6425576	75.907	ng	99
72) Anthracene	17.260	178	6487799	77.318	ng	99
73) Carbazole	17.536	167	6270446	78.943	ng	99
74) Di-n-butylphthalate	18.154	149	7283617	81.950	ng	99
75) Fluoranthene	19.260	202	7531112	76.268	ng	99
77) Benzidine	19.454	184	3400762	88.260	ng	99
78) Pyrene	19.636	202	7955581	77.487	ng	99
80) Butylbenzylphthalate	20.607	149	3160394	80.010	ng	99
81) Benzo(a)anthracene	21.548	228	8199298	78.602	ng	99
82) 3,3'-Dichlorobenzidine	21.477	252	2837103	84.414	ng	100
83) Chrysene	21.618	228	7696535	77.890	ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	4903538	77.525	ng	99
85) Di-n-octyl phthalate	22.801	149	8284794	91.682	ng	99
87) Indeno(1,2,3-cd)pyrene	28.659	276	10532958m	84.304	ng	
88) Benzo(b)fluoranthene	23.848	252	8542978	81.284	ng	100
89) Benzo(k)fluoranthene	23.924	252	8579950	79.943	ng	99
90) Benzo(a)pyrene	24.742	252	8034864	83.215	ng	99
91) Dibenzo(a,h)anthracene	28.747	278	8497246	83.540	ng	99
92) Benzo(g,h,i)perylene	29.830	276	8153149	83.299	ng	99

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

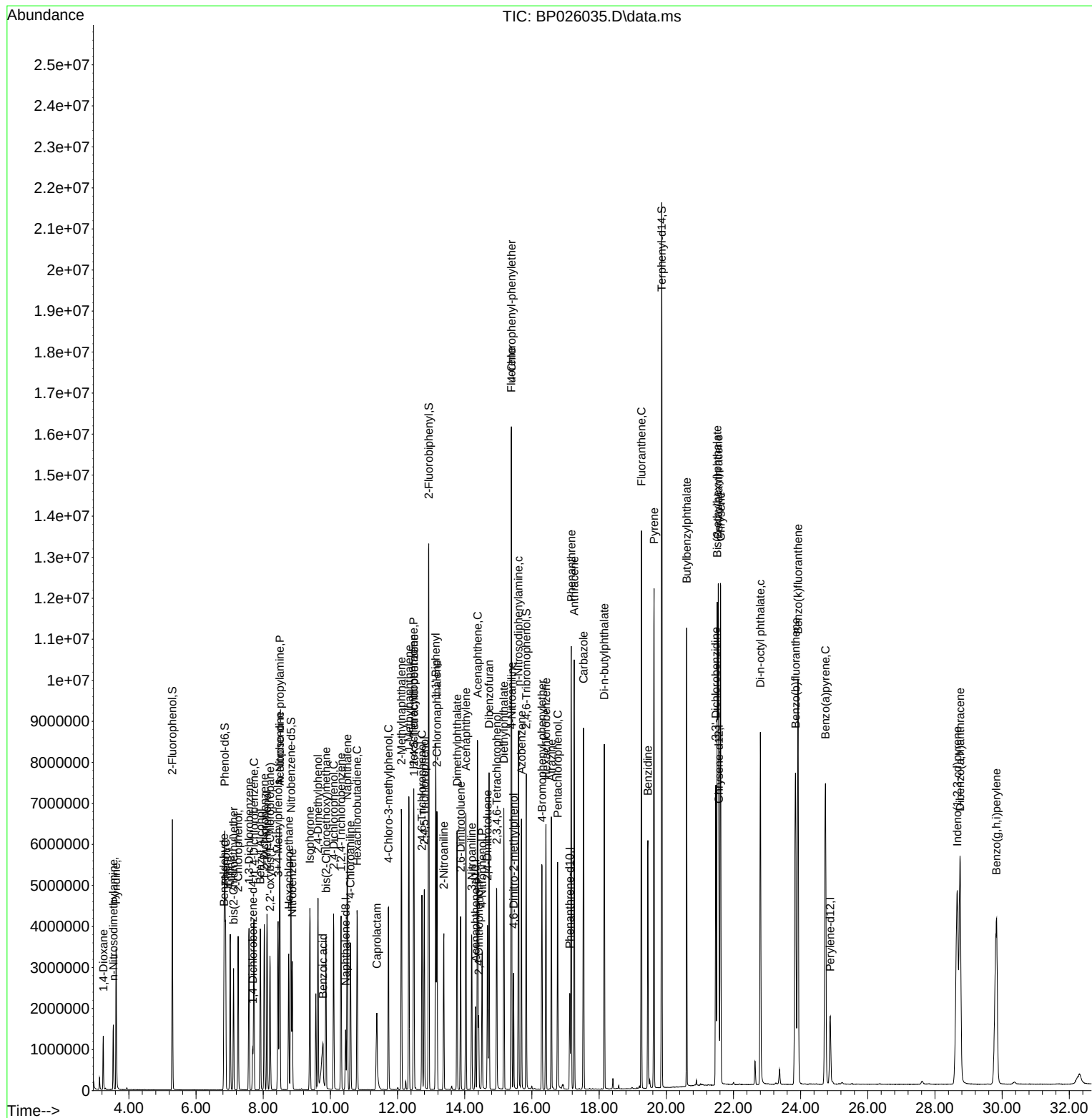
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\  
Data File : BP026035.D  
Acq On    : 29 Oct 2025  14:13  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 9    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 29 18:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:29:49 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP102925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.637	152	281938	20.000	ng	-0.05
21) Naphthalene-d8	10.413	136	1165829	20.000	ng	-0.04
39) Acenaphthene-d10	14.313	164	734180	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1529844	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1603754	20.000	ng	0.01
86) Perylene-d12	24.901	264	1688986	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	1169189	68.429	ng	-0.05
7) Phenol-d6	6.807	99	1480783	68.090	ng	-0.05
23) Nitrobenzene-d5	8.784	82	1283881	68.652	ng	-0.04
42) 2,4,6-Tribromophenol	15.830	330	577899	72.809	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	3425177	67.037	ng	-0.02
79) Terphenyl-d14	19.871	244	5329468	67.515	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.214	88	239880	33.303	ng	100
3) Pyridine	3.590	79	668959	32.670	ng	99
4) n-Nitrosodimethylamine	3.508	42	288399	35.142	ng	97
6) Aniline	6.972	93	1040197	35.839	ng	100
8) 2-Chlorophenol	7.202	128	654572	34.596	ng	97
9) Benzaldehyde	6.784	77	520334m	46.027	ng	
10) Phenol	6.831	94	816366	33.813	ng	99
11) bis(2-Chloroethyl)ether	7.066	93	645531	33.880	ng	99
12) 1,3-Dichlorobenzene	7.531	146	750462	34.538	ng	99
13) 1,4-Dichlorobenzene	7.678	146	771097	35.099	ng	98
14) 1,2-Dichlorobenzene	7.990	146	735657	35.092	ng	99
15) Benzyl Alcohol	7.866	79	551625	35.185	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.172	45	965445	33.526	ng	98
17) 2-Methylphenol	8.078	107	553305	34.998	ng	99
18) Hexachloroethane	8.713	117	259803	34.560	ng	100
19) n-Nitroso-di-n-propyla...	8.443	70	490575	36.340	ng	98
20) 3+4-Methylphenols	8.396	107	753178	34.245	ng	98
22) Acetophenone	8.449	105	1054241	35.756	ng	# 98
24) Nitrobenzene	8.825	77	687636	34.825	ng	98
25) Isophorone	9.343	82	1403746	35.069	ng	100
26) 2-Nitrophenol	9.525	139	257308	36.106	ng	97
27) 2,4-Dimethylphenol	9.584	122	632451	37.573	ng	99
28) bis(2-Chloroethoxy)met...	9.837	93	869155	34.454	ng	99
29) 2,4-Dichlorophenol	10.060	162	614929	34.599	ng	99
30) 1,2,4-Trichlorobenzene	10.278	180	684636	35.441	ng	97
31) Naphthalene	10.466	128	2154430	33.888	ng	100
32) Benzoic acid	9.690	122	351760	37.646	ng	98
33) 4-Chloroaniline	10.566	127	949777	38.877	ng	99
34) Hexachlorobutadiene	10.760	225	415865	33.876	ng	99
35) Caprolactam	11.319	113	217407	34.833	ng	96
36) 4-Chloro-3-methylphenol	11.695	107	646328	34.690	ng	98
37) 2-Methylnaphthalene	12.084	142	1378858	30.988	ng	99
38) 1-Methylnaphthalene	12.319	142	1423665	32.934	ng	100
40) 1,2,4,5-Tetrachloroben...	12.460	216	786568	34.481	ng	100
41) Hexachlorocyclopentadiene	12.448	237	393924	47.197	ng	99
43) 2,4,6-Trichlorophenol	12.701	196	489212	36.282	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP102925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/30/2025
 Supervised By :Jagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.766	196	543516	35.326	ng	96
46) 1,1'-Biphenyl	13.113	154	1971667	35.073	ng	100
47) 2-Chloronaphthalene	13.154	162	1471874	33.277	ng	98
48) 2-Nitroaniline	13.354	65	374554	33.821	ng	99
49) Acenaphthylene	14.031	152	2509218	38.923	ng	100
50) Dimethylphthalate	13.760	163	1875076	35.112	ng	100
51) 2,6-Dinitrotoluene	13.866	165	367251	37.528	ng	96
52) Acenaphthene	14.378	154	1458746	32.961	ng	99
53) 3-Nitroaniline	14.195	138	425192	36.037	ng	97
54) 2,4-Dinitrophenol	14.413	184	126516	36.040	ng	97
55) Dibenzofuran	14.719	168	2269310	33.938	ng	99
56) 4-Nitrophenol	14.507	139	348249	32.703	ng	97
57) 2,4-Dinitrotoluene	14.678	165	499801	35.013	ng	100
58) Fluorene	15.378	166	1851395	35.342	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	474164	39.197	ng	99
60) Diethylphthalate	15.166	149	1879900	35.015	ng	99
61) 4-Chlorophenyl-phenyle...	15.389	204	887559	33.928	ng	99
62) 4-Nitroaniline	15.395	138	432391	37.891	ng	98
63) Azobenzene	15.689	77	1705483	35.051	ng	99
65) 4,6-Dinitro-2-methylph...	15.454	198	200079	35.409	ng	93
66) n-Nitrosodiphenylamine	15.601	169	1610105	33.661	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	556621	32.800	ng	98
68) Hexachlorobenzene	16.419	284	633716	32.804	ng	99
69) Atrazine	16.583	200	598775	37.108	ng	97
70) Pentachlorophenol	16.760	266	397848	33.716	ng	99
71) Phenanthrene	17.166	178	2914044	32.726	ng	100
72) Anthracene	17.260	178	2948850	33.409	ng	100
73) Carbazole	17.536	167	2792407	33.421	ng	100
74) Di-n-butylphthalate	18.154	149	3284045	35.126	ng	100
75) Fluoranthene	19.266	202	3440878	33.126	ng	99
77) Benzidine	19.454	184	1960099	48.151	ng	100
78) Pyrene	19.642	202	3569948	32.912	ng	99
80) Butylbenzylphthalate	20.613	149	1317625	33.630	ng	98
81) Benzo(a)anthracene	21.560	228	3642485	33.052	ng	100
82) 3,3'-Dichlorobenzidine	21.483	252	1322765	37.253	ng	100
83) Chrysene	21.624	228	3395520	32.526	ng	99
84) Bis(2-ethylhexyl)phtha...	21.530	149	2128720	33.750	ng	99
85) Di-n-octyl phthalate	22.818	149	3214231	33.668	ng	99
87) Indeno(1,2,3-cd)pyrene	28.671	276	4151592m	33.295	ng	
88) Benzo(b)fluoranthene	23.848	252	3575209	34.098	ng	99
89) Benzo(k)fluoranthene	23.930	252	3681173	34.381	ng	100
90) Benzo(a)pyrene	24.742	252	3373695	35.024	ng	99
91) Dibenzo(a,h)anthracene	28.765	278	3437827	33.879	ng	99
92) Benzo(g,h,i)perylene	29.836	276	3306526	33.862	ng	99

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

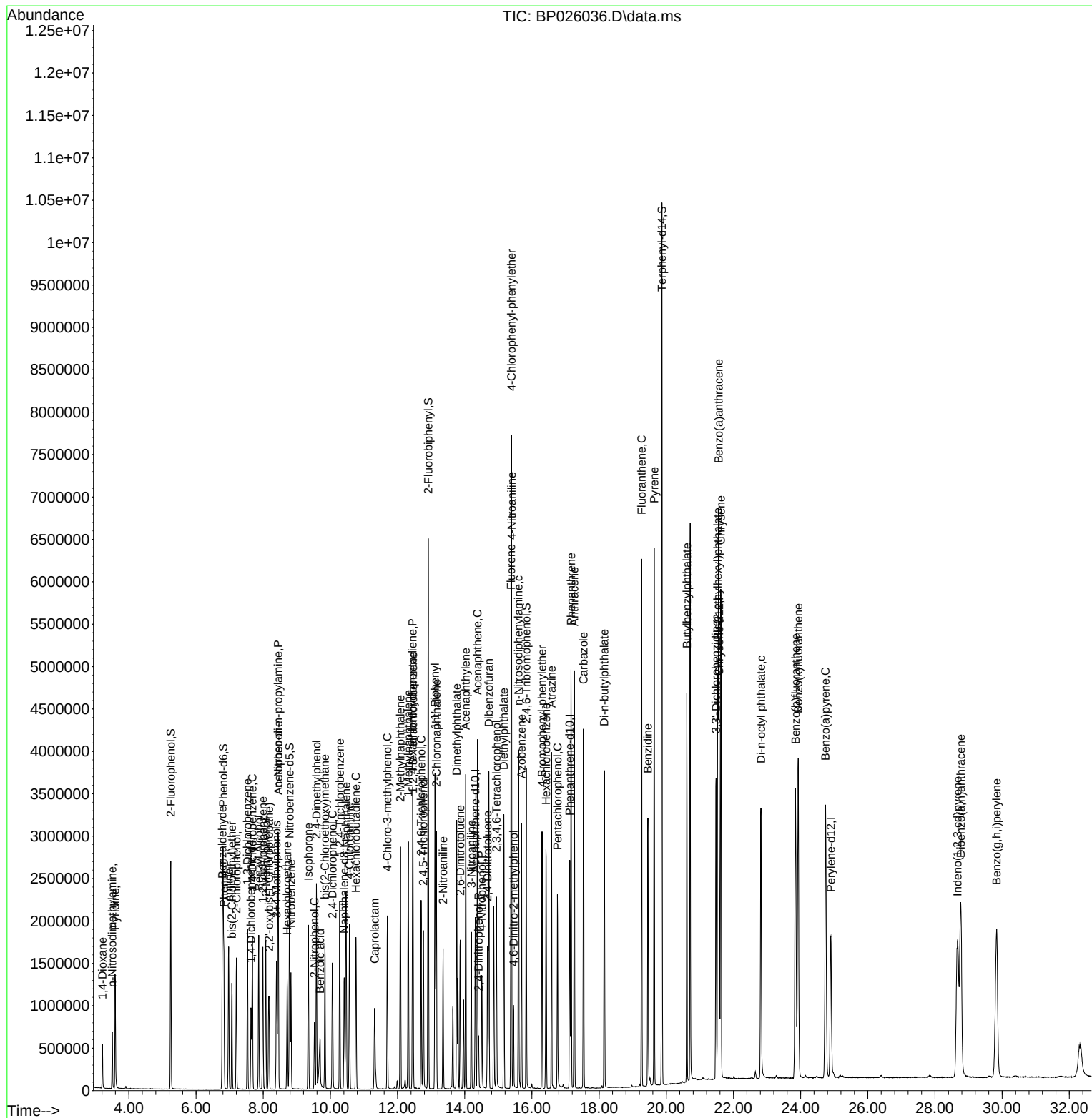
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On    : 29 Oct 2025 16:09
Operator  : RC/JU
Sample    : SSTDICV040
Misc      :
ALS Vial  : 10    Sample Multiplier: 1
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Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :Jaagrut Upadhyay 11/04/2025

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP102925

Quant Time: Oct 30 11:55:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	96	-0.05
2	1,4-Dioxane	0.511	0.425	16.8	79	-0.02
3	Pyridine	1.453	1.186	18.4	77	-0.03
4	n-Nitrosodimethylamine	0.582	0.511	12.2	84	-0.03
5 S	2-Fluorophenol	1.212	1.037	14.4	80	-0.05
6	Aniline	2.059	1.845	10.4	84	-0.05
7 S	Phenol-d6	1.543	1.313	14.9	79	-0.05
8	2-Chlorophenol	1.342	1.161	13.5	80	-0.05
9	Benzaldehyde	0.802	0.923	-15.1	110	-0.05
10 C	Phenol	1.713	1.448	15.5	79	-0.05
11	bis(2-Chloroethyl)ether	1.352	1.145	15.3	80	-0.05
12	1,3-Dichlorobenzene	1.541	1.331	13.6	81	-0.05
13 C	1,4-Dichlorobenzene	1.558	1.367	12.3	83	-0.05
14	1,2-Dichlorobenzene	1.487	1.305	12.2	83	-0.04
15	Benzyl Alcohol	1.112	0.978	12.1	83	-0.05
16	2,2'-oxybis(1-Chloropropane	2.043	1.712	16.2	78	-0.03
17	2-Methylphenol	1.121	0.981	12.5	80	-0.04
18	Hexachloroethane	0.533	0.461	13.5	80	-0.05
19 P	n-Nitroso-di-n-propylamine	0.958	0.870	9.2	82	-0.05
20	3+4-Methylphenols	1.560	1.336	14.4	80	-0.05
21 I	Naphthalene-d8	1.000	1.000	0.0	97	-0.04
22	Acetophenone	0.506	0.452	10.7	85	-0.05
23 S	Nitrobenzene-d5	0.321	0.275	14.3	79	-0.04
24	Nitrobenzene	0.339	0.295	13.0	80	-0.04
25	Isophorone	0.687	0.602	12.4	81	-0.05
26 C	2-Nitrophenol	0.104	0.110	-5.8	83	-0.04
27	2,4-Dimethylphenol	0.289	0.271	6.2	87	-0.05
28	bis(2-Chloroethoxy)methane	0.433	0.373	13.9	81	-0.03
29 C	2,4-Dichlorophenol	0.305	0.264	13.4	78	-0.03
30	1,2,4-Trichlorobenzene	0.331	0.294	11.2	84	-0.04
31	Naphthalene	1.091	0.924	15.3	80	-0.04
32	Benzoic acid	0.163	0.151	7.4	87	-0.09
33	4-Chloroaniline	0.419	0.407	2.9	90	-0.03
34 C	Hexachlorobutadiene	0.211	0.178	15.6	80	-0.04
35	Caprolactam	0.107	0.093	13.1	80	-0.07
36 C	4-Chloro-3-methylphenol	0.320	0.277	13.4	78	-0.04
37	2-Methylnaphthalene	0.763	0.591	22.5	72	-0.03
38	1-Methylnaphthalene	0.742	0.611	17.7	77	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40	1,2,4,5-Tetrachlorobenzene	0.621	0.536	13.7	81	-0.03
41 P	Hexachlorocyclopentadiene	0.227	0.268	-18.1	109	-0.03
42 S	2,4,6-Tribromophenol	0.216	0.197	8.8	80	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.333	9.3	80	-0.02
44	2,4,5-Trichlorophenol	0.419	0.370	11.7	78	-0.03
45 S	2-Fluorobiphenyl	1.392	1.166	16.2	79	-0.02
46	1,1'-Biphenyl	1.531	1.343	12.3	83	-0.02
47	2-Chloronaphthalene	1.205	1.002	16.8	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP102925

Quant Time: Oct 30 11:55:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	0.272	0.255	6.3	81	-0.02
49	Acenaphthylene	1.756	1.709	2.7	90	0.00
50	Dimethylphthalate	1.455	1.277	12.2	81	-0.01
51	2,6-Dinitrotoluene	0.237	0.250	-5.5	91	-0.01
52 C	Acenaphthene	1.206	0.993	17.7	76	0.00
53	3-Nitroaniline	0.291	0.290	0.3	86	-0.01
54 P	2,4-Dinitrophenol	0.100	0.086	14.0	83	0.00
55	Dibenzofuran	1.822	1.545	15.2	79	0.00
56 P	4-Nitrophenol	0.290	0.237	18.3	80	-0.01
57	2,4-Dinitrotoluene	0.347	0.340	2.0	83	0.00
58	Fluorene	1.427	1.261	11.6	84	0.00
59	2,3,4,6-Tetrachlorophenol	0.330	0.323	2.1	85	-0.01
60	Diethylphthalate	1.463	1.280	12.5	79	0.00
61	4-Chlorophenyl-phenylether	0.713	0.604	15.3	79	0.00
62	4-Nitroaniline	0.311	0.294	5.5	83	0.00
63	Azobenzene	1.325	1.161	12.4	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	0.077	0.065	15.6	84	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.526	15.8	80	0.00
67	4-Bromophenyl-phenylether	0.222	0.182	18.0	78	0.00
68	Hexachlorobenzene	0.253	0.207	18.2	79	0.00
69	Atrazine	0.211	0.196	7.1	88	0.00
70 C	Pentachlorophenol	0.154	0.130	15.6	80	0.00
71	Phenanthrene	1.164	0.952	18.2	79	0.00
72	Anthracene	1.154	0.964	16.5	81	0.00
73	Carbazole	1.092	0.913	16.4	79	0.00
74	Di-n-butylphthalate	1.222	1.073	12.2	79	0.00
75 C	Fluoranthene	1.358	1.125	17.2	78	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	97	0.01
77	Benzidine	0.508	0.611	-20.3	115	0.00
78	Pyrene	1.353	1.113	17.7	76	0.00
79 S	Terphenyl-d14	0.984	0.831	15.5	80	0.00
80	Butylbenzylphthalate	0.432	0.411	4.9	81	0.00
81	Benzo(a)anthracene	1.374	1.136	17.3	78	0.01
82	3,3'-Dichlorobenzidine	0.443	0.412	7.0	87	0.00
83	Chrysene	1.302	1.059	18.7	77	0.00
84	Bis(2-ethylhexyl)phthalate	0.718	0.664	7.5	78	0.01
85 c	Di-n-octyl phthalate	1.191	1.002	15.9	76	0.02
86 I	Perylene-d12	1.000	1.000	0.0	96	0.02
87	Indeno(1,2,3-cd)pyrene	1.477	1.229	16.8	75	0.01
88	Benzo(b)fluoranthene	1.242	1.058	14.8	78	0.00
89	Benzo(k)fluoranthene	1.268	1.090	14.0	79	0.00
90 C	Benzo(a)pyrene	1.141	0.999	12.4	79	0.00
91	Dibenzo(a,h)anthracene	1.202	1.018	15.3	77	0.02
92	Benzo(g,h,i)perylene	1.156	0.979	15.3	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
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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	96	-0.05
2	1,4-Dioxane	40.000	33.303	16.7	79	-0.02
3	Pyridine	40.000	32.670	18.3	77	-0.03
4	n-Nitrosodimethylamine	40.000	35.142	12.1	84	-0.03
5 S	2-Fluorophenol	80.000	68.429	14.5	80	-0.05
6	Aniline	40.000	35.839	10.4	84	-0.05
7 S	Phenol-d6	80.000	68.090	14.9	79	-0.05
8	2-Chlorophenol	40.000	34.596	13.5	80	-0.05
9	Benzaldehyde	40.000	46.027	-15.1	110	-0.05
10 C	Phenol	40.000	33.813	15.5	79	-0.05
11	bis(2-Chloroethyl)ether	40.000	33.880	15.3	80	-0.05
12	1,3-Dichlorobenzene	40.000	34.538	13.7	81	-0.05
13 C	1,4-Dichlorobenzene	40.000	35.099	12.3	83	-0.05
14	1,2-Dichlorobenzene	40.000	35.092	12.3	83	-0.04
15	Benzyl Alcohol	40.000	35.185	12.0	83	-0.05
16	2,2'-oxybis(1-Chloropropane	40.000	33.526	16.2	78	-0.03
17	2-Methylphenol	40.000	34.998	12.5	80	-0.04
18	Hexachloroethane	40.000	34.560	13.6	80	-0.05
19 P	n-Nitroso-di-n-propylamine	40.000	36.340	9.1	82	-0.05
20	3+4-Methylphenols	40.000	34.245	14.4	80	-0.05
21 I	Naphthalene-d8	20.000	20.000	0.0	97	-0.04
22	Acetophenone	40.000	35.756	10.6	85	-0.05
23 S	Nitrobenzene-d5	80.000	68.652	14.2	79	-0.04
24	Nitrobenzene	40.000	34.825	12.9	80	-0.04
25	Isophorone	40.000	35.069	12.3	81	-0.05
26 C	2-Nitrophenol	40.000	36.106	9.7	83	-0.04
27	2,4-Dimethylphenol	40.000	37.573	6.1	87	-0.05
28	bis(2-Chloroethoxy)methane	40.000	34.454	13.9	81	-0.03
29 C	2,4-Dichlorophenol	40.000	34.599	13.5	78	-0.03
30	1,2,4-Trichlorobenzene	40.000	35.441	11.4	84	-0.04
31	Naphthalene	40.000	33.888	15.3	80	-0.04
32	Benzoic acid	40.000	37.646	5.9	87	-0.09
33	4-Chloroaniline	40.000	38.877	2.8	90	-0.03
34 C	Hexachlorobutadiene	40.000	33.876	15.3	80	-0.04
35	Caprolactam	40.000	34.833	12.9	80	-0.07
36 C	4-Chloro-3-methylphenol	40.000	34.690	13.3	78	-0.04
37	2-Methylnaphthalene	40.000	30.988	22.5	72	-0.03
38	1-Methylnaphthalene	40.000	32.934	17.7	77	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	34.481	13.8	81	-0.03
41 P	Hexachlorocyclopentadiene	40.000	47.197	-18.0	109	-0.03
42 S	2,4,6-Tribromophenol	80.000	72.809	9.0	80	0.00
43 C	2,4,6-Trichlorophenol	40.000	36.282	9.3	80	-0.02
44	2,4,5-Trichlorophenol	40.000	35.326	11.7	78	-0.03
45 S	2-Fluorobiphenyl	80.000	67.037	16.2	79	-0.02
46	1,1'-Biphenyl	40.000	35.073	12.3	83	-0.02
47	2-Chloronaphthalene	40.000	33.277	16.8	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
 Data File : BP026036.D
 Acq On : 29 Oct 2025 16:09
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP102925

Quant Time: Oct 30 11:55:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	33.821	15.4	81	-0.02
49	Acenaphthylene	40.000	38.923	2.7	90	0.00
50	Dimethylphthalate	40.000	35.112	12.2	81	-0.01
51	2,6-Dinitrotoluene	40.000	37.528	6.2	91	-0.01
52 C	Acenaphthene	40.000	32.961	17.6	76	0.00
53	3-Nitroaniline	40.000	36.037	9.9	86	-0.01
54 P	2,4-Dinitrophenol	40.000	36.040	9.9	83	0.00
55	Dibenzofuran	40.000	33.938	15.2	79	0.00
56 P	4-Nitrophenol	40.000	32.703	18.2	80	-0.01
57	2,4-Dinitrotoluene	40.000	35.013	12.5	83	0.00
58	Fluorene	40.000	35.342	11.6	84	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	39.197	2.0	85	-0.01
60	Diethylphthalate	40.000	35.015	12.5	79	0.00
61	4-Chlorophenyl-phenylether	40.000	33.928	15.2	79	0.00
62	4-Nitroaniline	40.000	37.891	5.3	83	0.00
63	Azobenzene	40.000	35.051	12.4	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65	4,6-Dinitro-2-methylphenol	40.000	35.409	11.5	84	0.00
66 c	n-Nitrosodiphenylamine	40.000	33.661	15.8	80	0.00
67	4-Bromophenyl-phenylether	40.000	32.800	18.0	78	0.00
68	Hexachlorobenzene	40.000	32.804	18.0	79	0.00
69	Atrazine	40.000	37.108	7.2	88	0.00
70 C	Pentachlorophenol	40.000	33.716	15.7	80	0.00
71	Phenanthrene	40.000	32.726	18.2	79	0.00
72	Anthracene	40.000	33.409	16.5	81	0.00
73	Carbazole	40.000	33.421	16.4	79	0.00
74	Di-n-butylphthalate	40.000	35.126	12.2	79	0.00
75 C	Fluoranthene	40.000	33.126	17.2	78	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	97	0.01
77	Benzydine	40.000	48.151	-20.4	115	0.00
78	Pyrene	40.000	32.912	17.7	76	0.00
79 S	Terphenyl-d14	80.000	67.515	15.6	80	0.00
80	Butylbenzylphthalate	40.000	33.630	15.9	81	0.00
81	Benzo(a)anthracene	40.000	33.052	17.4	78	0.01
82	3,3'-Dichlorobenzidine	40.000	37.253	6.9	87	0.00
83	Chrysene	40.000	32.526	18.7	77	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	33.750	15.6	78	0.01
85 c	Di-n-octyl phthalate	40.000	33.668	15.8	76	0.02
86 I	Perylene-d12	20.000	20.000	0.0	96	0.02
87	Indeno(1,2,3-cd)pyrene	40.000	33.295	16.8	75	0.01
88	Benzo(b)fluoranthene	40.000	34.098	14.8	78	0.00
89	Benzo(k)fluoranthene	40.000	34.381	14.0	79	0.00
90 C	Benzo(a)pyrene	40.000	35.024	12.4	79	0.00
91	Dibenzo(a,h)anthracene	40.000	33.879	15.3	77	0.02
92	Benzo(g,h,i)perylene	40.000	33.862	15.3	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Quant Time: Oct 30 11:55:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3495</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/31/2025 13:24</u>
Lab File ID:	<u>BG064654.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.264		6.0	
Benzaldehyde	0.893	1.004		12.4	
Phenol-d6	1.635	1.731		5.9	
Phenol	1.808	1.889		4.5	20.0
bis(2-Chloroethyl)ether	1.329	1.357		2.1	
2-Chlorophenol	1.247	1.415		13.5	
2-Methylphenol	1.201	1.282		6.7	
2,2-oxybis(1-Chloropropane)	3.487	3.486		0.0	
Acetophenone	0.547	0.577		5.5	
3+4-Methylphenols	1.688	1.788		5.9	
n-Nitroso-di-n-propylamine	1.130	1.179	0.050	4.3	
Nitrobenzene-d5	0.333	0.422		26.7	
Hexachloroethane	0.512	0.562		9.8	
Nitrobenzene	0.362	0.439		21.3	
Isophorone	0.799	0.850		6.4	
2-Nitrophenol	0.121	0.179		47.9	20.0
2,4-Dimethylphenol	0.297	0.320		7.7	
bis(2-Chloroethoxy)methane	0.455	0.476		4.6	
2,4-Dichlorophenol	0.320	0.369		15.3	20.0
Naphthalene	1.109	1.162		4.8	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.312		9.9	20.0
Caprolactam	0.123	0.135		9.8	
4-Chloro-3-methylphenol	0.384	0.428		11.5	20.0
2-Methylnaphthalene	0.814	0.868		6.6	
Hexachlorocyclopentadiene	0.302	0.364	0.050	20.5	
2,4,6-Trichlorophenol	0.384	0.465		21.1	20.0
2-Fluorobiphenyl	1.319	1.388		5.2	
2,4,5-Trichlorophenol	0.443	0.516		16.5	
1,1-Biphenyl	1.422	1.474		3.7	
2-Chloronaphthalene	1.073	1.118		4.2	
2-Nitroaniline	0.311	0.422		35.7	
Dimethylphthalate	1.530	1.657		8.3	
Acenaphthylene	1.693	1.769		4.5	
2,6-Dinitrotoluene	0.218	0.300		37.6	
3-Nitroaniline	0.263	0.354		34.6	
Acenaphthene	1.157	1.252		8.2	20.0
2,4-Dinitrophenol	0.132	0.207	0.050	56.8	
4-Nitrophenol	0.244	0.316	0.050	29.5	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02
 Lab Code: ACE SDG No.: Q3495
 Instrument ID: BNA_G Calibration Date/Time: 10/31/2025 13:24
 Lab File ID: BG064654.D Init. Calib. Date(s): 10/24/2025 10/24/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.961		4.9	
2,4-Dinitrotoluene	0.340	0.487		43.2	
Diethylphthalate	1.563	1.669		6.8	
4-Chlorophenyl-phenylether	0.820	0.888		8.3	
Fluorene	1.460	1.563		7.1	
4-Nitroaniline	0.293	0.397		35.5	
4,6-Dinitro-2-methylphenol	0.079	0.121		53.2	
n-Nitrosodiphenylamine	0.540	0.554		2.6	20.0
2,4,6-Tribromophenol	0.289	0.369		27.7	
4-Bromophenyl-phenylether	0.237	0.258		8.9	
Hexachlorobenzene	0.270	0.296		9.6	
Atrazine	0.232	0.243		4.7	
Pentachlorophenol	0.169	0.202		19.5	20.0
Phenanthrene	1.094	1.147		4.8	
Anthracene	1.113	1.152		3.5	
Carbazole	0.981	1.034		5.4	
Di-n-butylphthalate	1.135	1.193		5.1	
Fluoranthene	1.370	1.478		7.9	20.0
Pyrene	1.307	1.306		-0.1	
Terphenyl-d14	1.060	1.084		2.3	
Butylbenzylphthalate	0.395	0.453		14.7	
3,3-Dichlorobenzidine	0.443	0.498		12.4	
Benzo (a) anthracene	1.326	1.407		6.1	
Chrysene	1.262	1.325		5.0	
Bis(2-ethylhexyl)phthalate	0.590	0.658		11.5	
Di-n-octyl phthalate	0.995	1.141		14.7	20.0
Benzo (b) fluoranthene	1.226	1.288		5.1	
Benzo (k) fluoranthene	1.227	1.284		4.6	
Benzo (a) pyrene	1.127	1.181		4.8	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.539		4.6	
Dibenzo (a,h) anthracene	1.195	1.255		5.0	
Benzo (g,h,i) perylene	1.142	1.193		4.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.718		7.0	
1,4-Dioxane	0.528	0.542		2.7	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.528		24.5	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	29760	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	121809	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	99146	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	255812	20.000	ng	0.00
76) Chrysene-d12	21.853	240	303338	20.000	ng	0.00
86) Perylene-d12	25.196	264	334065	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	150501	84.884	ng	0.00
7) Phenol-d6	7.353	99	206000	84.671	ng	0.00
23) Nitrobenzene-d5	9.380	82	205739	101.448	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	146464	102.353	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	550409	84.147	ng	0.00
79) Terphenyl-d14	20.167	244	1315419	81.837	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	32251	41.086	ng	95
3) Pyridine	3.998	79	93547	39.685	ng	98
4) n-Nitrosodimethylamine	3.904	42	51503	40.742	ng	95
6) Aniline	7.529	93	136762	41.310	ng	99
8) 2-Chlorophenol	7.776	128	84243	45.394	ng	98
9) Benzaldehyde	7.341	77	59732	44.971	ng	96
10) Phenol	7.382	94	112447	41.792	ng	97
11) bis(2-Chloroethyl)ether	7.623	93	80745	40.817	ng	95
12) 1,3-Dichlorobenzene	8.111	146	91656	42.911	ng	97
13) 1,4-Dichlorobenzene	8.257	146	92453	42.569	ng	95
14) 1,2-Dichlorobenzene	8.581	146	89742	42.840	ng	98
15) Benzyl Alcohol	8.445	79	87326	43.527	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.739	45	207478	39.984	ng	98
17) 2-Methylphenol	8.645	107	76321	42.723	ng	98
18) Hexachloroethane	9.321	117	33456	43.896	ng	92
19) n-Nitroso-di-n-propyla...	9.021	70	70193	41.746	ng	99
20) 3+4-Methylphenols	8.974	107	106425	42.362	ng	96
22) Acetophenone	9.039	105	140475	42.188	ng	95
24) Nitrobenzene	9.427	77	106834	48.433	ng	97
25) Isophorone	9.950	82	207109	42.559	ng	99
26) 2-Nitrophenol	10.143	139	43580	50.996	ng	91
27) 2,4-Dimethylphenol	10.190	122	77929	43.051	ng	98
28) bis(2-Chloroethoxy)met...	10.431	93	116027	41.876	ng	98
29) 2,4-Dichlorophenol	10.678	162	89869	46.132	ng	96
30) 1,2,4-Trichlorobenzene	10.901	180	95331	43.070	ng	99
31) Naphthalene	11.095	128	282988	41.902	ng	98
32) Benzoic acid	10.296	122	59106	43.506	ng	94
33) 4-Chloroaniline	11.189	127	110439	42.073	ng	96
34) Hexachlorobutadiene	11.383	225	75914	43.856	ng	98
35) Caprolactam	11.947	113	32886	44.014	ng	# 93
36) 4-Chloro-3-methylphenol	12.288	107	104310	44.546	ng	99
37) 2-Methylnaphthalene	12.688	142	211429	42.641	ng	97
38) 1-Methylnaphthalene	12.905	142	206713	42.113	ng	99
40) 1,2,4,5-Tetrachloroben...	13.046	216	142351	42.781	ng	99
41) Hexachlorocyclopentadiene	13.034	237	72118	48.153	ng	94
43) 2,4,6-Trichlorophenol	13.275	196	92265	48.476	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102397	46.620	ng	97
46) 1,1'-Biphenyl	13.681	154	292218	41.458	ng	95
47) 2-Chloronaphthalene	13.722	162	221744	41.677	ng	100
48) 2-Nitroaniline	13.910	65	83630	46.901	ng	93
49) Acenaphthylene	14.562	152	350872	41.810	ng	98
50) Dimethylphthalate	14.280	163	328584	43.311	ng	99
51) 2,6-Dinitrotoluene	14.397	165	59510	47.570	ng	98
52) Acenaphthene	14.903	154	248302	43.306	ng	98
53) 3-Nitroaniline	14.720	138	70138	53.795	ng	96
54) 2,4-Dinitrophenol	14.926	184	40959	55.180	ng	# 53
55) Dibenzofuran	15.238	168	388830	41.947	ng	98
56) 4-Nitrophenol	15.014	139	62759	51.918	ng	95
57) 2,4-Dinitrotoluene	15.179	165	96588	49.783	ng	# 97
58) Fluorene	15.884	166	310016	42.824	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	104637	49.820	ng	99
60) Diethylphthalate	15.643	149	330924	42.720	ng	100
61) 4-Chlorophenyl-phenyle...	15.872	204	176129	43.354	ng	98
62) 4-Nitroaniline	15.884	138	78755	54.295	ng	96
63) Azobenzene	16.160	77	295018	41.508	ng	98
65) 4,6-Dinitro-2-methylph...	15.943	198	61671	54.019	ng	97
66) n-Nitrosodiphenylamine	16.078	169	283639	41.047	ng	99
67) 4-Bromophenyl-phenylether	16.765	248	131799	43.477	ng	94
68) Hexachlorobenzene	16.889	284	151216	43.724	ng	96
69) Atrazine	17.018	200	124468	41.856	ng	96
70) Pentachlorophenol	17.218	266	103163	47.836	ng	93
71) Phenanthrene	17.617	178	587037	41.963	ng	99
72) Anthracene	17.711	178	589385	41.417	ng	99
73) Carbazole	17.970	167	528932	42.151	ng	100
74) Di-n-butylphthalate	18.528	149	610367	42.063	ng	99
75) Fluoranthene	19.615	202	756083	43.143	ng	99
77) Benzidine	19.779	184	330565	48.641	ng	99
78) Pyrene	19.973	202	792145	39.970	ng	100
80) Butylbenzylphthalate	20.849	149	274852	45.886	ng	96
81) Benzo(a)anthracene	21.836	228	853793	42.450	ng	99
82) 3,3'-Dichlorobenzidine	21.736	252	302039	44.970	ng	99
83) Chrysene	21.900	228	803594	41.990	ng	98
84) Bis(2-ethylhexyl)phtha...	21.736	149	399327	44.616	ng	97
85) Di-n-octyl phthalate	22.999	149	692038	45.860	ng	98
87) Indeno(1,2,3-cd)pyrene	29.039	276	1028556	41.854	ng	98
88) Benzo(b)fluoranthene	24.133	252	860704	42.017	ng	98
89) Benzo(k)fluoranthene	24.203	252	858121	41.862	ng	97
90) Benzo(a)pyrene	25.038	252	789156	41.910	ng	99
91) Dibenzo(a,h)anthracene	29.104	278	838779	42.012	ng	98
92) Benzo(g,h,i)perylene	30.232	276	797168	41.797	ng	96

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	74	0.00
2	1,4-Dioxane	0.528	0.542	-2.7	76	0.00
3	Pyridine	1.584	1.572	0.8	70	0.00
4	n-Nitrosodimethylamine	0.850	0.865	-1.8	71	0.00
5 S	2-Fluorophenol	1.192	1.264	-6.0	72	0.00
6	Aniline	2.225	2.298	-3.3	71	0.00
7 S	Phenol-d6	1.635	1.731	-5.9	72	0.00
8	2-Chlorophenol	1.247	1.415	-13.5	76	0.00
9	Benzaldehyde	0.893	1.004	-12.4	79	0.00
10 C	Phenol	1.808	1.889	-4.5	72	0.00
11	bis(2-Chloroethyl)ether	1.329	1.357	-2.1	73	0.00
12	1,3-Dichlorobenzene	1.435	1.540	-7.3	75	0.00
13 C	1,4-Dichlorobenzene	1.460	1.553	-6.4	75	0.00
14	1,2-Dichlorobenzene	1.408	1.508	-7.1	75	0.00
15	Benzyl Alcohol	1.348	1.467	-8.8	76	0.00
16	2,2'-oxybis(1-Chloropropane	3.487	3.486	0.0	69	0.00
17	2-Methylphenol	1.201	1.282	-6.7	75	0.00
18	Hexachloroethane	0.512	0.562	-9.8	77	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.179	-4.3	71	0.00
20	3+4-Methylphenols	1.688	1.788	-5.9	73	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	74	0.00
22	Acetophenone	0.547	0.577	-5.5	73	0.00
23 S	Nitrobenzene-d5	0.333	0.422	-26.7#	83	0.00
24	Nitrobenzene	0.362	0.439	-21.3	79	0.00
25	Isophorone	0.799	0.850	-6.4	72	0.00
26 C	2-Nitrophenol	0.121	0.179	-47.9#	97	0.00
27	2,4-Dimethylphenol	0.297	0.320	-7.7	71	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.476	-4.6	72	0.00
29 C	2,4-Dichlorophenol	0.320	0.369	-15.3	76	0.00
30	1,2,4-Trichlorobenzene	0.363	0.391	-7.7	74	0.00
31	Naphthalene	1.109	1.162	-4.8	73	0.00
32	Benzoic acid	0.207	0.243	-17.4	80	-0.01
33	4-Chloroaniline	0.431	0.453	-5.1	73	0.00
34 C	Hexachlorobutadiene	0.284	0.312	-9.9	77	0.00
35	Caprolactam	0.123	0.135	-9.8	74	0.00
36 C	4-Chloro-3-methylphenol	0.384	0.428	-11.5	74	0.00
37	2-Methylnaphthalene	0.814	0.868	-6.6	74	0.00
38	1-Methylnaphthalene	0.806	0.849	-5.3	73	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.718	-7.0	78	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.364	-20.5	85	0.00
42 S	2,4,6-Tribromophenol	0.289	0.369	-27.7#	88	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.465	-21.1#	83	0.00
44	2,4,5-Trichlorophenol	0.443	0.516	-16.5	81	0.00
45 S	2-Fluorobiphenyl	1.319	1.388	-5.2	76	0.00
46	1,1'-Biphenyl	1.422	1.474	-3.7	75	0.00
47	2-Chloronaphthalene	1.073	1.118	-4.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	0.311	0.422	-35.7#	92	0.00
49	Acenaphthylene	1.693	1.769	-4.5	75	0.00
50	Dimethylphthalate	1.530	1.657	-8.3	77	0.00
51	2,6-Dinitrotoluene	0.218	0.300	-37.6#	92	0.00
52 C	Acenaphthene	1.157	1.252	-8.2	78	0.00
53	3-Nitroaniline	0.263	0.354	-34.6#	91	0.00
54 P	2,4-Dinitrophenol	0.132	0.207	-56.8#	115	0.00
55	Dibenzofuran	1.870	1.961	-4.9	76	0.00
56 P	4-Nitrophenol	0.244	0.316	-29.5#	92	0.00
57	2,4-Dinitrotoluene	0.340	0.487	-43.2#	96	0.00
58	Fluorene	1.460	1.563	-7.1	78	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.528	-24.5	86	0.00
60	Diethylphthalate	1.563	1.669	-6.8	77	0.00
61	4-Chlorophenyl-phenylether	0.820	0.888	-8.3	78	0.00
62	4-Nitroaniline	0.293	0.397	-35.5#	92	0.00
63	Azobenzene	1.434	1.488	-3.8	73	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.121	-53.2#	119	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.554	-2.6	78	0.00
67	4-Bromophenyl-phenylether	0.237	0.258	-8.9	81	0.00
68	Hexachlorobenzene	0.270	0.296	-9.6	83	0.00
69	Atrazine	0.232	0.243	-4.7	81	0.00
70 C	Pentachlorophenol	0.169	0.202	-19.5	91	0.00
71	Phenanthrene	1.094	1.147	-4.8	81	0.00
72	Anthracene	1.113	1.152	-3.5	79	0.00
73	Carbazole	0.981	1.034	-5.4	82	0.00
74	Di-n-butylphthalate	1.134	1.193	-5.2	79	0.00
75 C	Fluoranthene	1.370	1.478	-7.9	84	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77	Benzydine	0.448	0.545	-21.7	101	0.00
78	Pyrene	1.307	1.306	0.1	84	0.00
79 S	Terphenyl-d14	1.060	1.084	-2.3	86	0.00
80	Butylbenzylphthalate	0.395	0.453	-14.7	92	0.00
81	Benzo(a)anthracene	1.326	1.407	-6.1	91	0.00
82	3,3'-Dichlorobenzidine	0.443	0.498	-12.4	95	0.00
83	Chrysene	1.262	1.325	-5.0	90	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.658	-11.5	89	-0.01
85 c	Di-n-octyl phthalate	0.995	1.141	-14.7	96	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	95	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.539	-4.6	93	0.00
88	Benzo(b)fluoranthene	1.226	1.288	-5.1	93	0.00
89	Benzo(k)fluoranthene	1.227	1.284	-4.6	95	0.00
90 C	Benzo(a)pyrene	1.127	1.181	-4.8	94	0.00
91	Dibenzo(a,h)anthracene	1.195	1.255	-5.0	94	0.00
92	Benzo(g,h,i)perylene	1.142	1.193	-4.5	94	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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 = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
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Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	74	0.00
2	1,4-Dioxane	40.000	41.086	-2.7	76	0.00
3	Pyridine	40.000	39.685	0.8	70	0.00
4	n-Nitrosodimethylamine	40.000	40.742	-1.9	71	0.00
5 S	2-Fluorophenol	80.000	84.884	-6.1	72	0.00
6	Aniline	40.000	41.310	-3.3	71	0.00
7 S	Phenol-d6	80.000	84.671	-5.8	72	0.00
8	2-Chlorophenol	40.000	45.394	-13.5	76	0.00
9	Benzaldehyde	40.000	44.971	-12.4	79	0.00
10 C	Phenol	40.000	41.792	-4.5	72	0.00
11	bis(2-Chloroethyl)ether	40.000	40.817	-2.0	73	0.00
12	1,3-Dichlorobenzene	40.000	42.911	-7.3	75	0.00
13 C	1,4-Dichlorobenzene	40.000	42.569	-6.4	75	0.00
14	1,2-Dichlorobenzene	40.000	42.840	-7.1	75	0.00
15	Benzyl Alcohol	40.000	43.527	-8.8	76	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	39.984	0.0	69	0.00
17	2-Methylphenol	40.000	42.723	-6.8	75	0.00
18	Hexachloroethane	40.000	43.896	-9.7	77	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.746	-4.4	71	0.00
20	3+4-Methylphenols	40.000	42.362	-5.9	73	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	74	0.00
22	Acetophenone	40.000	42.188	-5.5	73	0.00
23 S	Nitrobenzene-d5	80.000	101.448	-26.8#	83	0.00
24	Nitrobenzene	40.000	48.433	-21.1	79	0.00
25	Isophorone	40.000	42.559	-6.4	72	0.00
26 C	2-Nitrophenol	40.000	50.996	-27.5#	97	0.00
27	2,4-Dimethylphenol	40.000	43.051	-7.6	71	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.876	-4.7	72	0.00
29 C	2,4-Dichlorophenol	40.000	46.132	-15.3	76	0.00
30	1,2,4-Trichlorobenzene	40.000	43.070	-7.7	74	0.00
31	Naphthalene	40.000	41.902	-4.8	73	0.00
32	Benzoic acid	40.000	43.506	-8.8	80	-0.01
33	4-Chloroaniline	40.000	42.073	-5.2	73	0.00
34 C	Hexachlorobutadiene	40.000	43.856	-9.6	77	0.00
35	Caprolactam	40.000	44.014	-10.0	74	0.00
36 C	4-Chloro-3-methylphenol	40.000	44.546	-11.4	74	0.00
37	2-Methylnaphthalene	40.000	42.641	-6.6	74	0.00
38	1-Methylnaphthalene	40.000	42.113	-5.3	73	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	76	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.781	-7.0	78	0.00
41 P	Hexachlorocyclopentadiene	40.000	48.153	-20.4	85	0.00
42 S	2,4,6-Tribromophenol	80.000	102.353	-27.9#	88	0.00
43 C	2,4,6-Trichlorophenol	40.000	48.476	-21.2#	83	0.00
44	2,4,5-Trichlorophenol	40.000	46.620	-16.5	81	0.00
45 S	2-Fluorobiphenyl	80.000	84.147	-5.2	76	0.00
46	1,1'-Biphenyl	40.000	41.458	-3.6	75	0.00
47	2-Chloronaphthalene	40.000	41.677	-4.2	75	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
 Data File : BG064654.D
 Acq On : 31 Oct 2025 13:24
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 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	46.901	-17.3	92	0.00
49	Acenaphthylene	40.000	41.810	-4.5	75	0.00
50	Dimethylphthalate	40.000	43.311	-8.3	77	0.00
51	2,6-Dinitrotoluene	40.000	47.570	-18.9	92	0.00
52 C	Acenaphthene	40.000	43.306	-8.3	78	0.00
53	3-Nitroaniline	40.000	53.795	-34.5#	91	0.00
54 P	2,4-Dinitrophenol	40.000	55.180	-38.0#	115	0.00
55	Dibenzofuran	40.000	41.947	-4.9	76	0.00
56 P	4-Nitrophenol	40.000	51.918	-29.8#	92	0.00
57	2,4-Dinitrotoluene	40.000	49.783	-24.5	96	0.00
58	Fluorene	40.000	42.824	-7.1	78	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	49.820	-24.6	86	0.00
60	Diethylphthalate	40.000	42.720	-6.8	77	0.00
61	4-Chlorophenyl-phenylether	40.000	43.354	-8.4	78	0.00
62	4-Nitroaniline	40.000	54.295	-35.7#	92	0.00
63	Azobenzene	40.000	41.508	-3.8	73	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	82	0.00
65	4,6-Dinitro-2-methylphenol	40.000	54.019	-35.0#	119	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.047	-2.6	78	0.00
67	4-Bromophenyl-phenylether	40.000	43.477	-8.7	81	0.00
68	Hexachlorobenzene	40.000	43.724	-9.3	83	0.00
69	Atrazine	40.000	41.856	-4.6	81	0.00
70 C	Pentachlorophenol	40.000	47.836	-19.6	91	0.00
71	Phenanthrene	40.000	41.963	-4.9	81	0.00
72	Anthracene	40.000	41.417	-3.5	79	0.00
73	Carbazole	40.000	42.151	-5.4	82	0.00
74	Di-n-butylphthalate	40.000	42.063	-5.2	79	0.00
75 C	Fluoranthene	40.000	43.143	-7.9	84	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77	Benzydine	40.000	48.641	-21.6	101	0.00
78	Pyrene	40.000	39.970	0.1	84	0.00
79 S	Terphenyl-d14	80.000	81.837	-2.3	86	0.00
80	Butylbenzylphthalate	40.000	45.886	-14.7	92	0.00
81	Benzo(a)anthracene	40.000	42.450	-6.1	91	0.00
82	3,3'-Dichlorobenzidine	40.000	44.970	-12.4	95	0.00
83	Chrysene	40.000	41.990	-5.0	90	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	44.616	-11.5	89	-0.01
85 c	Di-n-octyl phthalate	40.000	45.860	-14.6	96	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	95	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.854	-4.6	93	0.00
88	Benzo(b)fluoranthene	40.000	42.017	-5.0	93	0.00
89	Benzo(k)fluoranthene	40.000	41.862	-4.7	95	0.00
90 C	Benzo(a)pyrene	40.000	41.910	-4.8	94	0.00
91	Dibenzo(a,h)anthracene	40.000	42.012	-5.0	94	0.00
92	Benzo(g,h,i)perylene	40.000	41.797	-4.5	94	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064654.D
Acq On : 31 Oct 2025 13:24
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 03:35:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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 = 2



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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3495</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>11/03/2025 11:06</u>
Lab File ID:	<u>BP026053.D</u>	Init. Calib. Date(s):	<u>10/29/2025 10/29/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:26 14:13</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.212	1.217		0.4	
Benzaldehyde	0.802	0.703		-12.3	
Phenol-d6	1.543	1.579		2.3	
Phenol	1.713	1.731		1.1	20.0
bis(2-Chloroethyl)ether	1.352	1.405		3.9	
2-Chlorophenol	1.342	1.364		1.6	
2-Methylphenol	1.121	1.153		2.9	
2,2-oxybis(1-Chloropropane)	2.043	2.143		4.9	
Acetophenone	0.506	0.516		2.0	
3+4-Methylphenols	1.560	1.560		0.0	
n-Nitroso-di-n-propylamine	0.958	1.020	0.050	6.5	
Nitrobenzene-d5	0.321	0.336		4.7	
Hexachloroethane	0.533	0.534		0.2	
Nitrobenzene	0.339	0.351		3.5	
Isophorone	0.687	0.709		3.2	
2-Nitrophenol	0.104	0.124		19.2	20.0
2,4-Dimethylphenol	0.289	0.287		-0.7	
bis(2-Chloroethoxy)methane	0.433	0.442		2.1	
2,4-Dichlorophenol	0.305	0.308		1.0	20.0
Naphthalene	1.091	1.101		0.9	
4-Chloroaniline	0.419	0.430		2.6	
Hexachlorobutadiene	0.211	0.207		-1.9	20.0
Caprolactam	0.107	0.108		0.9	
4-Chloro-3-methylphenol	0.320	0.333		4.1	20.0
2-Methylnaphthalene	0.763	0.765		0.3	
Hexachlorocyclopentadiene	0.227	0.232	0.050	2.2	
2,4,6-Trichlorophenol	0.367	0.381		3.8	20.0
2-Fluorobiphenyl	1.392	1.389		-0.2	
2,4,5-Trichlorophenol	0.419	0.436		4.1	
1,1-Biphenyl	1.531	1.559		1.8	
2-Chloronaphthalene	1.205	1.213		0.7	
2-Nitroaniline	0.272	0.298		9.6	
Dimethylphthalate	1.455	1.469		1.0	
Acenaphthylene	1.756	1.802		2.6	
2,6-Dinitrotoluene	0.237	0.261		10.1	
3-Nitroaniline	0.291	0.328		12.7	
Acenaphthene	1.206	1.235		2.4	20.0
2,4-Dinitrophenol	0.100	0.115	0.050	15.0	
4-Nitrophenol	0.290	0.277	0.050	-4.5	



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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3495</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>11/03/2025 11:06</u>
Lab File ID:	<u>BP026053.D</u>	Init. Calib. Date(s):	<u>10/29/2025 10/29/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:26 14:13</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.822	1.828		0.3	
2,4-Dinitrotoluene	0.347	0.392		13.0	
Diethylphthalate	1.463	1.489		1.8	
4-Chlorophenyl-phenylether	0.713	0.723		1.4	
Fluorene	1.427	1.458		2.2	
4-Nitroaniline	0.311	0.349		12.2	
4,6-Dinitro-2-methylphenol	0.077	0.083		7.8	
n-Nitrosodiphenylamine	0.625	0.635		1.6	20.0
2,4,6-Tribromophenol	0.216	0.215		-0.5	
4-Bromophenyl-phenylether	0.222	0.225		1.4	
Hexachlorobenzene	0.253	0.250		-1.2	
Atrazine	0.211	0.209		-0.9	
Pentachlorophenol	0.154	0.151		-1.9	20.0
Phenanthrene	1.164	1.162		-0.2	
Anthracene	1.154	1.174		1.7	
Carbazole	1.092	1.126		3.1	
Di-n-butylphthalate	1.222	1.248		2.1	
Fluoranthene	1.358	1.380		1.6	20.0
Pyrene	1.353	1.388		2.6	
Terphenyl-d14	0.984	1.002		1.8	
Butylbenzylphthalate	0.432	0.480		11.1	
3,3-Dichlorobenzidine	0.443	0.455		2.7	
Benzo (a) anthracene	1.374	1.402		2.0	
Chrysene	1.302	1.324		1.7	
Bis(2-ethylhexyl)phthalate	0.718	0.765		6.5	
Di-n-octyl phthalate	1.191	1.230		3.3	20.0
Benzo (b) fluoranthene	1.242	1.277		2.8	
Benzo (k) fluoranthene	1.268	1.281		1.0	
Benzo (a) pyrene	1.141	1.181		3.5	20.0
Indeno (1,2,3-cd) pyrene	1.476	1.531		3.7	
Dibenzo (a,h) anthracene	1.202	1.240		3.2	
Benzo (g,h,i) perylene	1.156	1.186		2.6	
1,2,4,5-Tetrachlorobenzene	0.621	0.614		-1.1	
1,4-Dioxane	0.511	0.528		3.3	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.342		3.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026053.D
 Acq On : 03 Nov 2025 11:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	297452	20.000	ng	-0.04
21) Naphthalene-d8	10.425	136	1230692	20.000	ng	-0.03
39) Acenaphthene-d10	14.301	164	771148	20.000	ng	-0.02
64) Phenanthrene-d10	17.125	188	1552564	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1613817	20.000	ng	0.00
86) Perylene-d12	24.877	264	1763249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.261	112	1447651	80.308	ng	-0.04
7) Phenol-d6	6.819	99	1879097	81.899	ng	-0.04
23) Nitrobenzene-d5	8.784	82	1655613	83.864	ng	-0.04
42) 2,4,6-Tribromophenol	15.825	330	664210	79.671	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	4283094	79.809	ng	-0.02
79) Terphenyl-d14	19.866	244	6466975	81.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.220	88	314245	41.352	ng	99
3) Pyridine	3.602	79	900604	41.689	ng	98
4) n-Nitrosodimethylamine	3.514	42	356772	41.206	ng	98
6) Aniline	6.978	93	1255272	40.993	ng	100
8) 2-Chlorophenol	7.213	128	811625	40.660	ng	100
9) Benzaldehyde	6.796	77	417932	35.040	ng	99
10) Phenol	6.843	94	1029773	40.428	ng	100
11) bis(2-Chloroethyl)ether	7.072	93	836070	41.591	ng	98
12) 1,3-Dichlorobenzene	7.537	146	945897	41.262	ng	100
13) 1,4-Dichlorobenzene	7.684	146	949644	40.972	ng	99
14) 1,2-Dichlorobenzene	7.996	146	901561	40.763	ng	98
15) Benzyl Alcohol	7.878	79	659007	39.842	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.166	45	1274894	41.963	ng	100
17) 2-Methylphenol	8.078	107	685698	41.110	ng	99
18) Hexachloroethane	8.725	117	317888	40.081	ng	98
19) n-Nitroso-di-n-propyla...	8.443	70	606891	42.611	ng	97
20) 3+4-Methylphenols	8.402	107	927767	39.983	ng	98
22) Acetophenone	8.455	105	1270454	40.818	ng	99
24) Nitrobenzene	8.825	77	864798	41.489	ng	100
25) Isophorone	9.360	82	1745149	41.300	ng	100
26) 2-Nitrophenol	9.531	139	304900	40.201	ng	97
27) 2,4-Dimethylphenol	9.602	122	707520	39.817	ng	99
28) bis(2-Chloroethoxy)met...	9.831	93	1086823	40.812	ng	99
29) 2,4-Dichlorophenol	10.072	162	759262	40.468	ng	99
30) 1,2,4-Trichlorobenzene	10.290	180	826394	40.524	ng	98
31) Naphthalene	10.472	128	2708813	40.363	ng	100
32) Benzoic acid	9.719	122	406842	40.287	ng	99
33) 4-Chloroaniline	10.572	127	1059245	41.073	ng	100
34) Hexachlorobutadiene	10.772	225	510044	39.358	ng	100
35) Caprolactam	11.343	113	266312	40.420	ng	96
36) 4-Chloro-3-methylphenol	11.713	107	820348	41.710	ng	96
37) 2-Methylnaphthalene	12.101	142	1883967	40.108	ng	99
38) 1-Methylnaphthalene	12.319	142	1853656	40.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.472	216	947227	39.533	ng	100
41) Hexachlorocyclopentadiene	12.460	237	357331	40.760	ng	96
43) 2,4,6-Trichlorophenol	12.707	196	587266	41.466	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026053.D
 Acq On : 03 Nov 2025 11:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

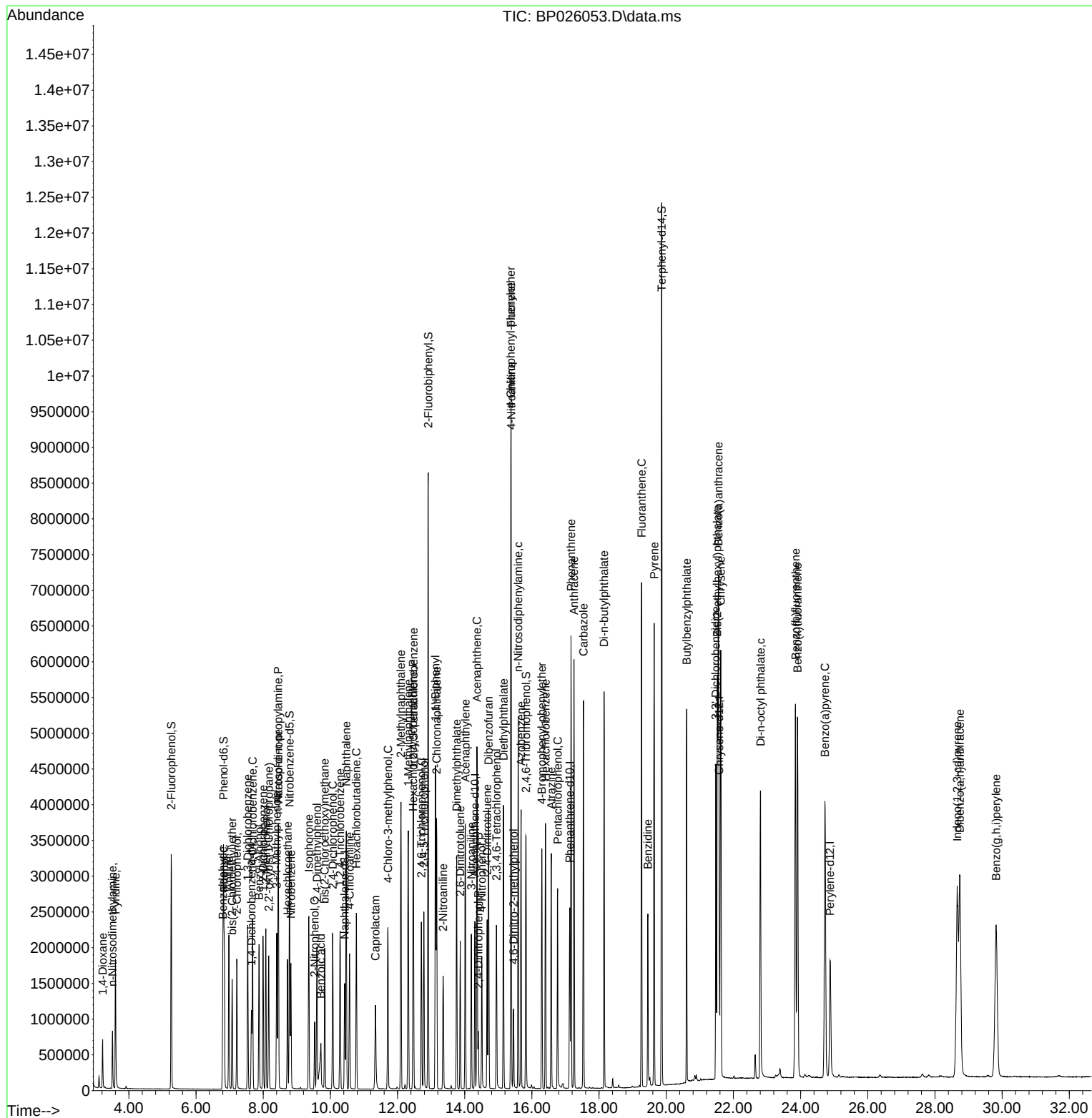
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.784	196	673132	41.653	ng	97
46) 1,1'-Biphenyl	13.131	154	2403856	40.711	ng	99
47) 2-Chloronaphthalene	13.160	162	1870666	40.266	ng	99
48) 2-Nitroaniline	13.354	65	459878	39.043	ng	97
49) Acenaphthylene	14.019	152	2778493	41.034	ng	99
50) Dimethylphthalate	13.760	163	2265312	40.386	ng	100
51) 2,6-Dinitrotoluene	13.866	165	402708	39.047	ng	96
52) Acenaphthene	14.366	154	1905089	40.983	ng	99
53) 3-Nitroaniline	14.195	138	505979	40.477	ng	98
54) 2,4-Dinitrophenol	14.407	184	176825	44.809	ng	97
55) Dibenzofuran	14.707	168	2818741	40.134	ng	100
56) 4-Nitrophenol	14.507	139	426445	38.126	ng	94
57) 2,4-Dinitrotoluene	14.666	165	604639	39.858	ng	98
58) Fluorene	15.378	166	2248602	40.866	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.942	232	526708	41.453	ng	99
60) Diethylphthalate	15.154	149	2296000	40.716	ng	99
61) 4-Chlorophenyl-phenyle...	15.372	204	1114438	40.558	ng	100
62) 4-Nitroaniline	15.384	138	538250	44.906	ng	97
63) Azobenzene	15.678	77	2117253	41.428	ng	99
65) 4,6-Dinitro-2-methylph...	15.454	198	256279	42.409	ng	99
66) n-Nitrosodiphenylamine	15.589	169	1971204	40.607	ng	99
67) 4-Bromophenyl-phenylether	16.295	248	698840	40.578	ng	99
68) Hexachlorobenzene	16.407	284	776612	39.612	ng	99
69) Atrazine	16.578	200	649090	39.638	ng	98
70) Pentachlorophenol	16.766	266	468280	39.104	ng	99
71) Phenanthrene	17.166	178	3609118	39.938	ng	99
72) Anthracene	17.254	178	3643926	40.679	ng	100
73) Carbazole	17.536	167	3495591	41.224	ng	100
74) Di-n-butylphthalate	18.148	149	3873926	40.829	ng	100
75) Fluoranthene	19.266	202	4285797	40.657	ng	99
77) Benzidine	19.454	184	1415964	34.567	ng	99
78) Pyrene	19.642	202	4481226	41.056	ng	100
80) Butylbenzylphthalate	20.607	149	1547745	38.689	ng	98
81) Benzo(a)anthracene	21.548	228	4525063	40.804	ng	100
82) 3,3'-Dichlorobenzidine	21.477	252	1468580	41.101	ng	100
83) Chrysene	21.624	228	4273359	40.679	ng	99
84) Bis(2-ethylhexyl)phtha...	21.519	149	2468157	38.492	ng	100
85) Di-n-octyl phthalate	22.807	149	3969888	41.324	ng	99
87) Indeno(1,2,3-cd)pyrene	28.659	276	5399335	41.477	ng	# 93
88) Benzo(b)fluoranthene	23.848	252	4501948	41.128	ng	99
89) Benzo(k)fluoranthene	23.907	252	4518935	40.428	ng	100
90) Benzo(a)pyrene	24.724	252	4164029	41.408	ng	99
91) Dibenzo(a,h)anthracene	28.742	278	4373466	41.284	ng	98
92) Benzo(g,h,i)perylene	29.818	276	4182266	41.027	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026053.D
Acq On : 03 Nov 2025 11:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026053.D
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 SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	101	-0.04
2	1,4-Dioxane	0.511	0.528	-3.3	104	-0.02
3	Pyridine	1.453	1.514	-4.2	104	-0.02
4	n-Nitrosodimethylamine	0.582	0.600	-3.1	104	-0.02
5 S	2-Fluorophenol	1.212	1.217	-0.4	99	-0.04
6	Aniline	2.059	2.110	-2.5	101	-0.04
7 S	Phenol-d6	1.543	1.579	-2.3	100	-0.04
8	2-Chlorophenol	1.342	1.364	-1.6	99	-0.04
9	Benzaldehyde	0.802	0.703	12.3	88	-0.04
10 C	Phenol	1.713	1.731	-1.1	99	-0.04
11	bis(2-Chloroethyl)ether	1.352	1.405	-3.9	104	-0.05
12	1,3-Dichlorobenzene	1.541	1.590	-3.2	103	-0.04
13 C	1,4-Dichlorobenzene	1.558	1.596	-2.4	103	-0.04
14	1,2-Dichlorobenzene	1.487	1.515	-1.9	102	-0.04
15	Benzyl Alcohol	1.112	1.108	0.4	99	-0.04
16	2,2'-oxybis(1-Chloropropane	2.043	2.143	-4.9	104	-0.04
17	2-Methylphenol	1.121	1.153	-2.9	100	-0.04
18	Hexachloroethane	0.533	0.534	-0.2	98	-0.04
19 P	n-Nitroso-di-n-propylamine	0.958	1.020	-6.5	101	-0.05
20	3+4-Methylphenols	1.560	1.560	0.0	98	-0.04
21 I	Naphthalene-d8	1.000	1.000	0.0	102	-0.03
22	Acetophenone	0.506	0.516	-2.0	102	-0.04
23 S	Nitrobenzene-d5	0.321	0.336	-4.7	102	-0.04
24	Nitrobenzene	0.339	0.351	-3.5	101	-0.04
25	Isophorone	0.687	0.709	-3.2	101	-0.03
26 C	2-Nitrophenol	0.104	0.124	-19.2	99	-0.04
27	2,4-Dimethylphenol	0.289	0.287	0.7	97	-0.03
28	bis(2-Chloroethoxy)methane	0.433	0.442	-2.1	101	-0.04
29 C	2,4-Dichlorophenol	0.305	0.308	-1.0	96	-0.02
30	1,2,4-Trichlorobenzene	0.331	0.336	-1.5	101	-0.03
31	Naphthalene	1.091	1.101	-0.9	101	-0.03
32	Benzoic acid	0.163	0.165	-1.2	101	-0.06
33	4-Chloroaniline	0.419	0.430	-2.6	101	-0.02
34 C	Hexachlorobutadiene	0.211	0.207	1.9	98	-0.02
35	Caprolactam	0.107	0.108	-0.9	98	-0.04
36 C	4-Chloro-3-methylphenol	0.320	0.333	-4.1	99	-0.02
37	2-Methylnaphthalene	0.763	0.765	-0.3	98	-0.01
38	1-Methylnaphthalene	0.742	0.753	-1.5	100	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	101	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.621	0.614	1.1	98	-0.02
41 P	Hexachlorocyclopentadiene	0.227	0.232	-2.2	99	-0.02
42 S	2,4,6-Tribromophenol	0.216	0.215	0.5	92	0.00
43 C	2,4,6-Trichlorophenol	0.367	0.381	-3.8	96	-0.02
44	2,4,5-Trichlorophenol	0.419	0.436	-4.1	97	-0.01
45 S	2-Fluorobiphenyl	1.392	1.389	0.2	99	-0.02
46	1,1'-Biphenyl	1.531	1.559	-1.8	101	0.00
47	2-Chloronaphthalene	1.205	1.213	-0.7	100	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026053.D
 Acq On : 03 Nov 2025 11:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	0.272	0.298	-9.6	99	-0.02
49	Acenaphthylene	1.756	1.802	-2.6	99	-0.02
50	Dimethylphthalate	1.455	1.469	-1.0	97	-0.01
51	2,6-Dinitrotoluene	0.237	0.261	-10.1	100	-0.01
52 C	Acenaphthene	1.206	1.235	-2.4	100	-0.02
53	3-Nitroaniline	0.291	0.328	-12.7	102	-0.01
54 P	2,4-Dinitrophenol	0.100	0.115	-15.0	115	-0.01
55	Dibenzofuran	1.822	1.828	-0.3	99	-0.02
56 P	4-Nitrophenol	0.290	0.277	4.5	98	-0.01
57	2,4-Dinitrotoluene	0.347	0.392	-13.0	101	-0.01
58	Fluorene	1.427	1.458	-2.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	0.330	0.342	-3.6	95	-0.01
60	Diethylphthalate	1.463	1.489	-1.8	97	-0.01
61	4-Chlorophenyl-phenylether	0.713	0.723	-1.4	100	-0.02
62	4-Nitroaniline	0.311	0.349	-12.2	103	-0.02
63	Azobenzene	1.325	1.373	-3.6	100	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	0.077	0.083	-7.8	108	0.00
66 c	n-Nitrosodiphenylamine	0.625	0.635	-1.6	98	-0.01
67	4-Bromophenyl-phenylether	0.222	0.225	-1.4	98	0.00
68	Hexachlorobenzene	0.253	0.250	1.2	97	-0.01
69	Atrazine	0.211	0.209	0.9	95	0.00
70 C	Pentachlorophenol	0.154	0.151	1.9	94	0.00
71	Phenanthrene	1.164	1.162	0.2	98	0.00
72	Anthracene	1.154	1.174	-1.7	100	0.00
73	Carbazole	1.092	1.126	-3.1	99	0.00
74	Di-n-butylphthalate	1.222	1.248	-2.1	93	0.00
75 C	Fluoranthene	1.358	1.380	-1.6	98	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77	Benzidine	0.508	0.439	13.6	83	0.00
78	Pyrene	1.353	1.388	-2.6	95	0.00
79 S	Terphenyl-d14	0.984	1.002	-1.8	97	0.00
80	Butylbenzylphthalate	0.432	0.480	-11.1	95	0.00
81	Benzo(a)anthracene	1.374	1.402	-2.0	97	0.00
82	3,3'-Dichlorobenzidine	0.443	0.455	-2.7	97	0.00
83	Chrysene	1.302	1.324	-1.7	96	0.00
84	Bis(2-ethylhexyl)phthalate	0.718	0.765	-6.5	90	0.00
85 c	Di-n-octyl phthalate	1.191	1.230	-3.3	94	0.00
86 I	Perylene-d12	1.000	1.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	1.477	1.531	-3.7	98	0.00
88	Benzo(b)fluoranthene	1.242	1.277	-2.8	98	0.00
89	Benzo(k)fluoranthene	1.268	1.281	-1.0	96	-0.02
90 C	Benzo(a)pyrene	1.141	1.181	-3.5	98	-0.02
91	Dibenzo(a,h)anthracene	1.202	1.240	-3.2	98	0.00
92	Benzo(g,h,i)perylene	1.156	1.186	-2.6	98	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026053.D
Acq On : 03 Nov 2025 11:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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_P\Data\BP110325\
 Data File : BP026053.D
 Acq On : 03 Nov 2025 11:06
 Operator : RC/JU
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Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	101	-0.04
2	1,4-Dioxane	40.000	41.352	-3.4	104	-0.02
3	Pyridine	40.000	41.689	-4.2	104	-0.02
4	n-Nitrosodimethylamine	40.000	41.206	-3.0	104	-0.02
5 S	2-Fluorophenol	80.000	80.308	-0.4	99	-0.04
6	Aniline	40.000	40.993	-2.5	101	-0.04
7 S	Phenol-d6	80.000	81.899	-2.4	100	-0.04
8	2-Chlorophenol	40.000	40.660	-1.6	99	-0.04
9	Benzaldehyde	40.000	35.040	12.4	88	-0.04
10 C	Phenol	40.000	40.428	-1.1	99	-0.04
11	bis(2-Chloroethyl)ether	40.000	41.591	-4.0	104	-0.05
12	1,3-Dichlorobenzene	40.000	41.262	-3.2	103	-0.04
13 C	1,4-Dichlorobenzene	40.000	40.972	-2.4	103	-0.04
14	1,2-Dichlorobenzene	40.000	40.763	-1.9	102	-0.04
15	Benzyl Alcohol	40.000	39.842	0.4	99	-0.04
16	2,2'-oxybis(1-Chloropropane	40.000	41.963	-4.9	104	-0.04
17	2-Methylphenol	40.000	41.110	-2.8	100	-0.04
18	Hexachloroethane	40.000	40.081	-0.2	98	-0.04
19 P	n-Nitroso-di-n-propylamine	40.000	42.611	-6.5	101	-0.05
20	3+4-Methylphenols	40.000	39.983	0.0	98	-0.04
21 I	Naphthalene-d8	20.000	20.000	0.0	102	-0.03
22	Acetophenone	40.000	40.818	-2.0	102	-0.04
23 S	Nitrobenzene-d5	80.000	83.864	-4.8	102	-0.04
24	Nitrobenzene	40.000	41.489	-3.7	101	-0.04
25	Isophorone	40.000	41.300	-3.2	101	-0.03
26 C	2-Nitrophenol	40.000	40.201	-0.5	99	-0.04
27	2,4-Dimethylphenol	40.000	39.817	0.5	97	-0.03
28	bis(2-Chloroethoxy)methane	40.000	40.812	-2.0	101	-0.04
29 C	2,4-Dichlorophenol	40.000	40.468	-1.2	96	-0.02
30	1,2,4-Trichlorobenzene	40.000	40.524	-1.3	101	-0.03
31	Naphthalene	40.000	40.363	-0.9	101	-0.03
32	Benzoic acid	40.000	40.287	-0.7	101	-0.06
33	4-Chloroaniline	40.000	41.073	-2.7	101	-0.02
34 C	Hexachlorobutadiene	40.000	39.358	1.6	98	-0.02
35	Caprolactam	40.000	40.420	-1.1	98	-0.04
36 C	4-Chloro-3-methylphenol	40.000	41.710	-4.3	99	-0.02
37	2-Methylnaphthalene	40.000	40.108	-0.3	98	-0.01
38	1-Methylnaphthalene	40.000	40.621	-1.6	100	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	101	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	39.533	1.2	98	-0.02
41 P	Hexachlorocyclopentadiene	40.000	40.760	-1.9	99	-0.02
42 S	2,4,6-Tribromophenol	80.000	79.671	0.4	92	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.466	-3.7	96	-0.02
44	2,4,5-Trichlorophenol	40.000	41.653	-4.1	97	-0.01
45 S	2-Fluorobiphenyl	80.000	79.809	0.2	99	-0.02
46	1,1'-Biphenyl	40.000	40.711	-1.8	101	0.00
47	2-Chloronaphthalene	40.000	40.266	-0.7	100	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026053.D
 Acq On : 03 Nov 2025 11:06
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 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	39.043	2.4	99	-0.02
49	Acenaphthylene	40.000	41.034	-2.6	99	-0.02
50	Dimethylphthalate	40.000	40.386	-1.0	97	-0.01
51	2,6-Dinitrotoluene	40.000	39.047	2.4	100	-0.01
52 C	Acenaphthene	40.000	40.983	-2.5	100	-0.02
53	3-Nitroaniline	40.000	40.477	-1.2	102	-0.01
54 P	2,4-Dinitrophenol	40.000	44.809	-12.0	115	-0.01
55	Dibenzofuran	40.000	40.134	-0.3	99	-0.02
56 P	4-Nitrophenol	40.000	38.126	4.7	98	-0.01
57	2,4-Dinitrotoluene	40.000	39.858	0.4	101	-0.01
58	Fluorene	40.000	40.866	-2.2	101	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.453	-3.6	95	-0.01
60	Diethylphthalate	40.000	40.716	-1.8	97	-0.01
61	4-Chlorophenyl-phenylether	40.000	40.558	-1.4	100	-0.02
62	4-Nitroaniline	40.000	44.906	-12.3	103	-0.02
63	Azobenzene	40.000	41.428	-3.6	100	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.409	-6.0	108	0.00
66 c	n-Nitrosodiphenylamine	40.000	40.607	-1.5	98	-0.01
67	4-Bromophenyl-phenylether	40.000	40.578	-1.4	98	0.00
68	Hexachlorobenzene	40.000	39.612	1.0	97	-0.01
69	Atrazine	40.000	39.638	0.9	95	0.00
70 C	Pentachlorophenol	40.000	39.104	2.2	94	0.00
71	Phenanthrene	40.000	39.938	0.2	98	0.00
72	Anthracene	40.000	40.679	-1.7	100	0.00
73	Carbazole	40.000	41.224	-3.1	99	0.00
74	Di-n-butylphthalate	40.000	40.829	-2.1	93	0.00
75 C	Fluoranthene	40.000	40.657	-1.6	98	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77	Benzidine	40.000	34.567	13.6	83	0.00
78	Pyrene	40.000	41.056	-2.6	95	0.00
79 S	Terphenyl-d14	80.000	81.415	-1.8	97	0.00
80	Butylbenzylphthalate	40.000	38.689	3.3	95	0.00
81	Benzo(a)anthracene	40.000	40.804	-2.0	97	0.00
82	3,3'-Dichlorobenzidine	40.000	41.101	-2.8	97	0.00
83	Chrysene	40.000	40.679	-1.7	96	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	38.492	3.8	90	0.00
85 c	Di-n-octyl phthalate	40.000	41.324	-3.3	94	0.00
86 I	Perylene-d12	20.000	20.000	0.0	100	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.477	-3.7	98	0.00
88	Benzo(b)fluoranthene	40.000	41.128	-2.8	98	0.00
89	Benzo(k)fluoranthene	40.000	40.428	-1.1	96	-0.02
90 C	Benzo(a)pyrene	40.000	41.408	-3.5	98	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.284	-3.2	98	0.00
92	Benzo(g,h,i)perylene	40.000	41.027	-2.6	98	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026053.D
Acq On : 03 Nov 2025 11:06
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Nov 03 11:33:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 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



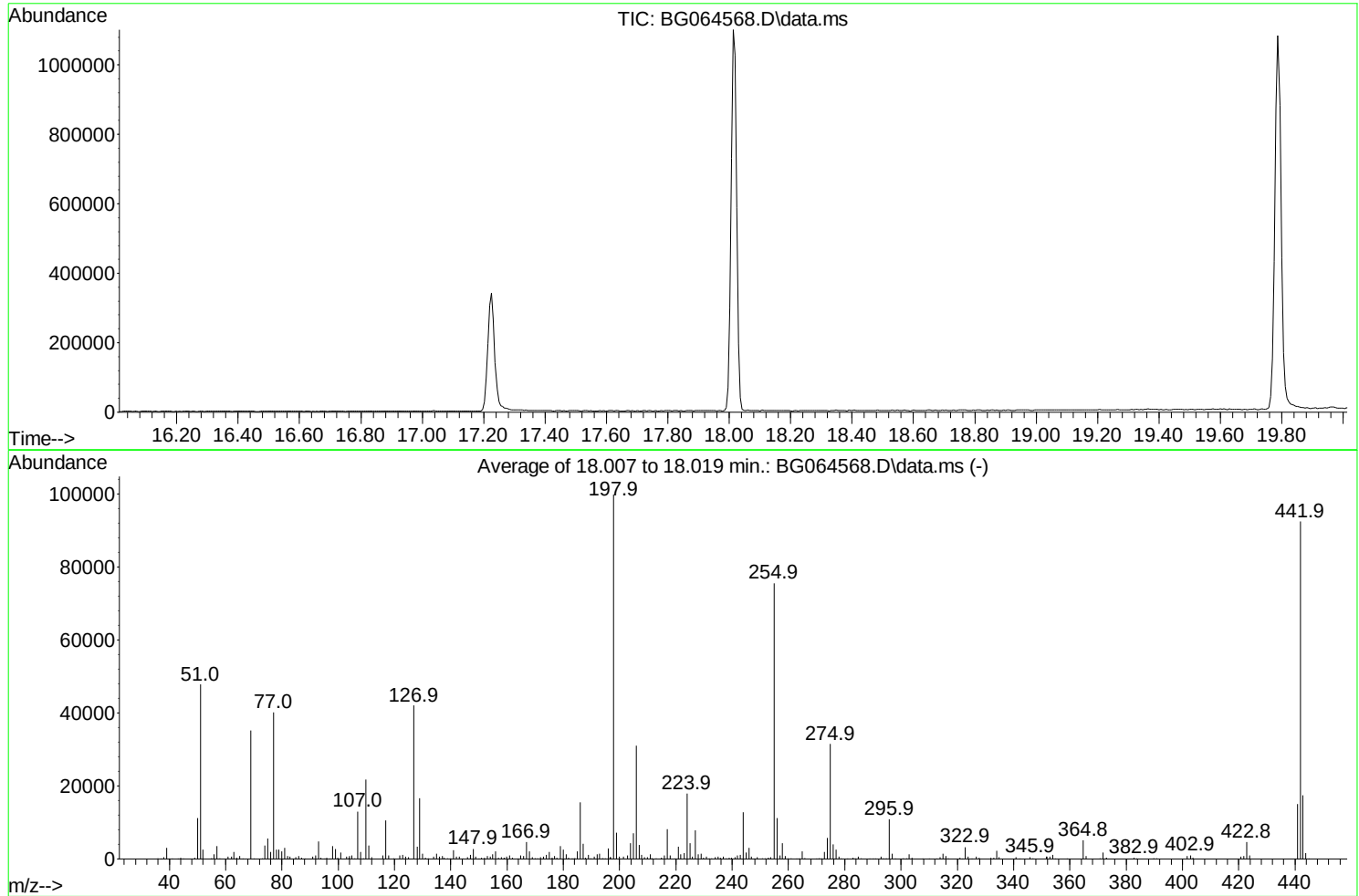
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



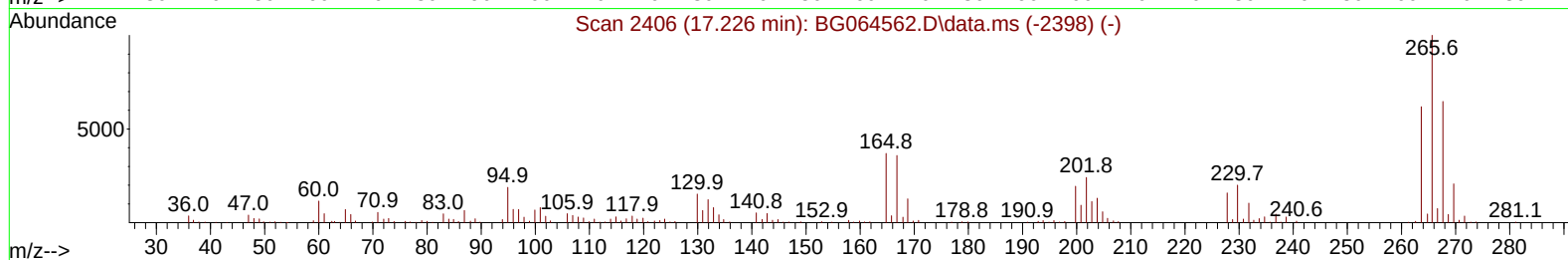
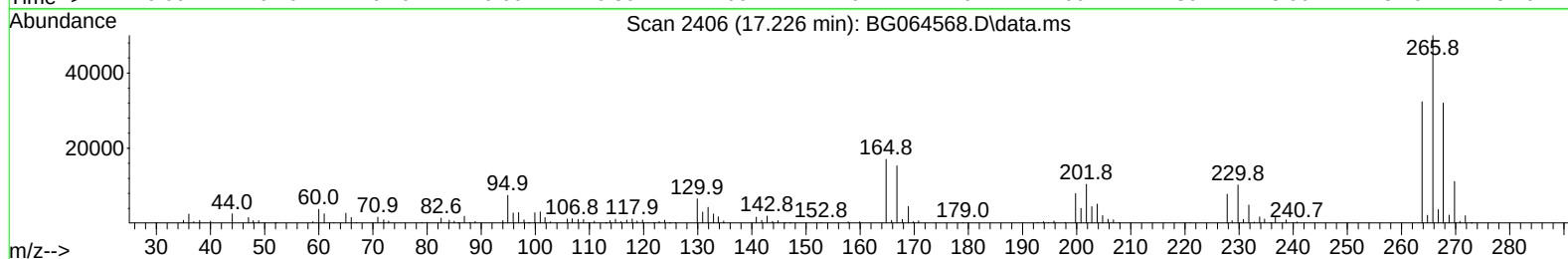
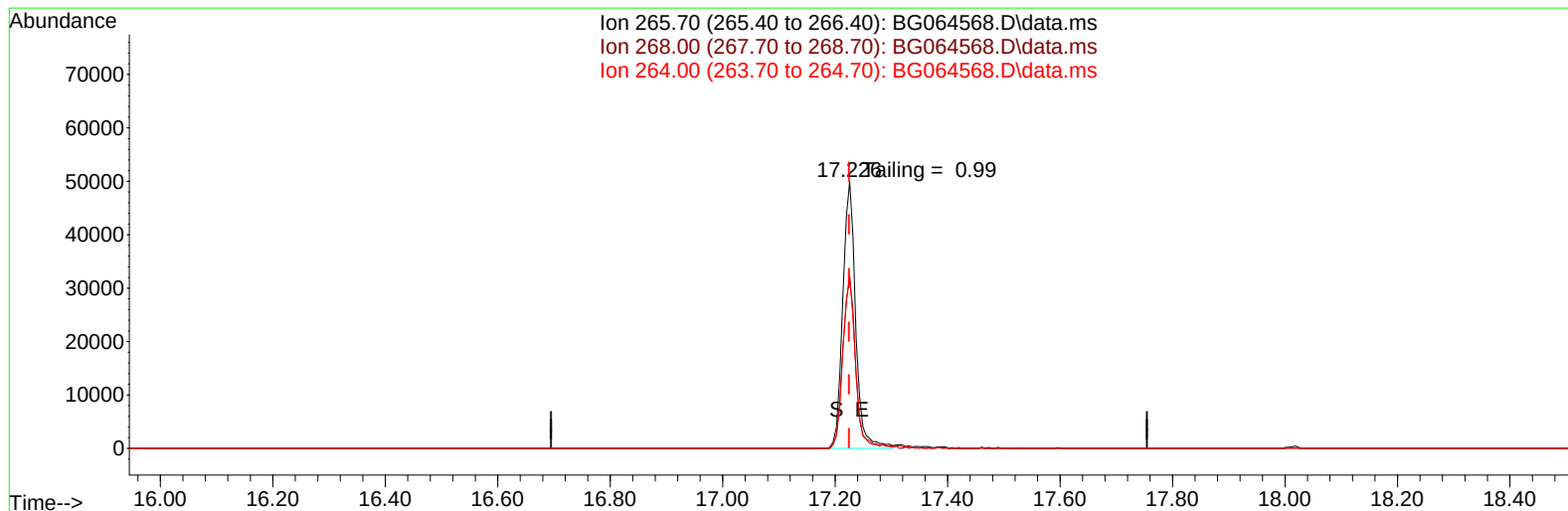
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration



TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

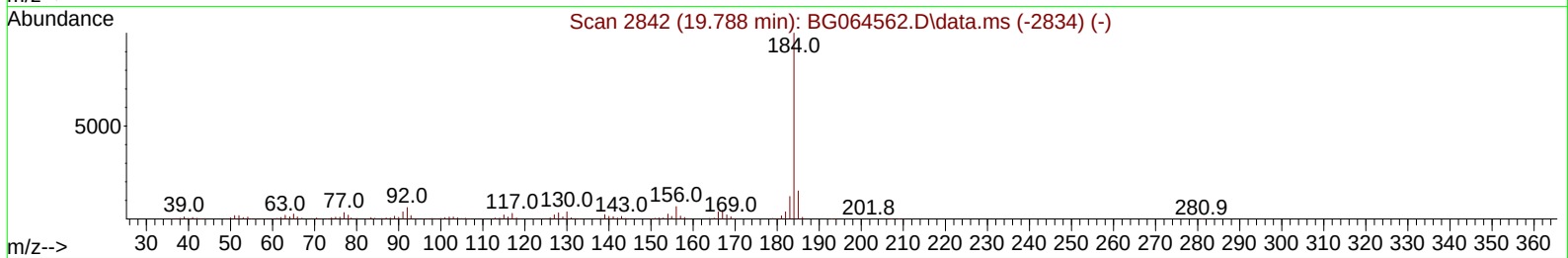
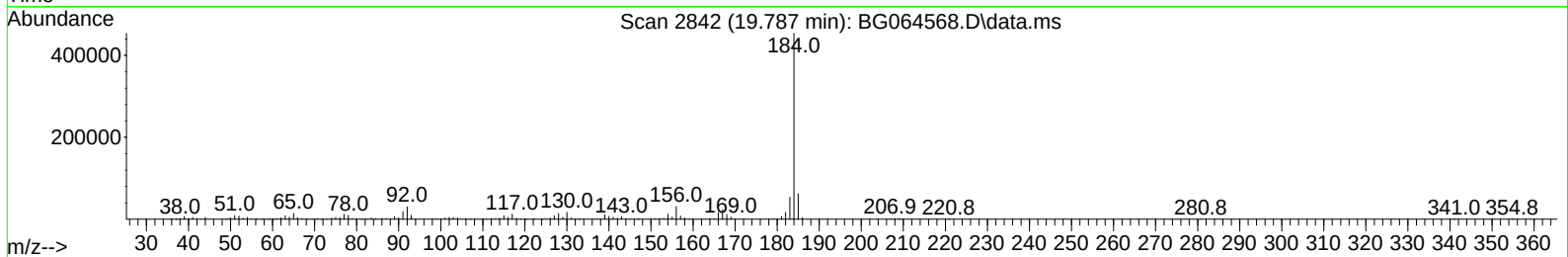
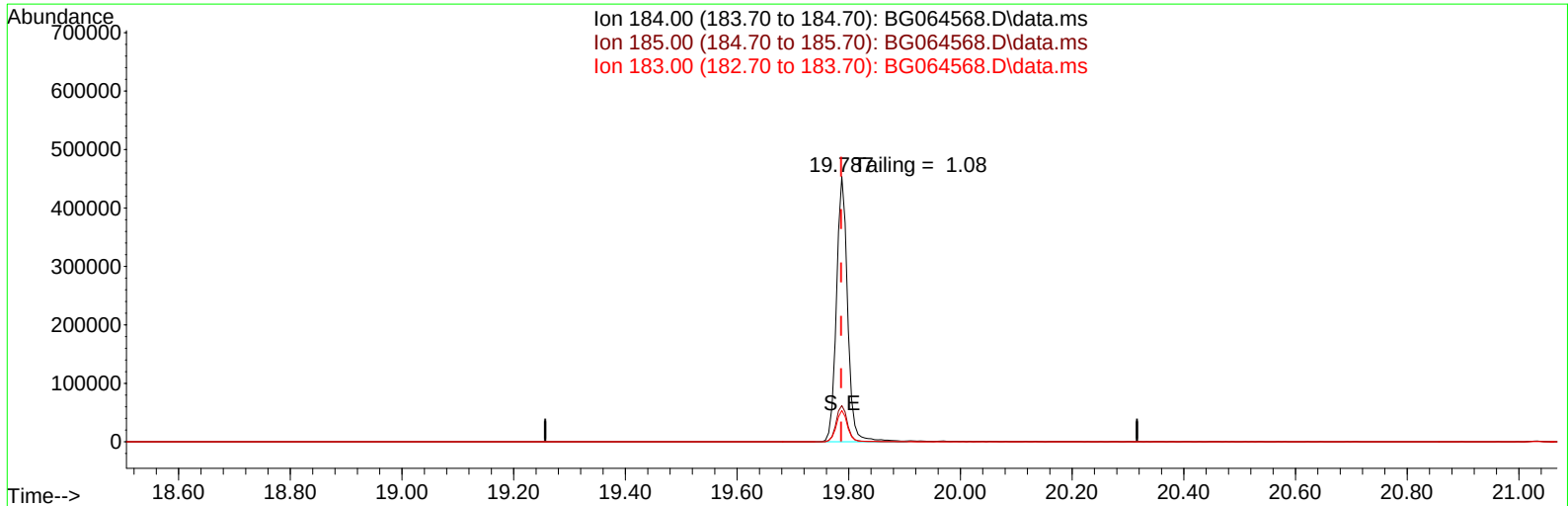
response 79720

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration



TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

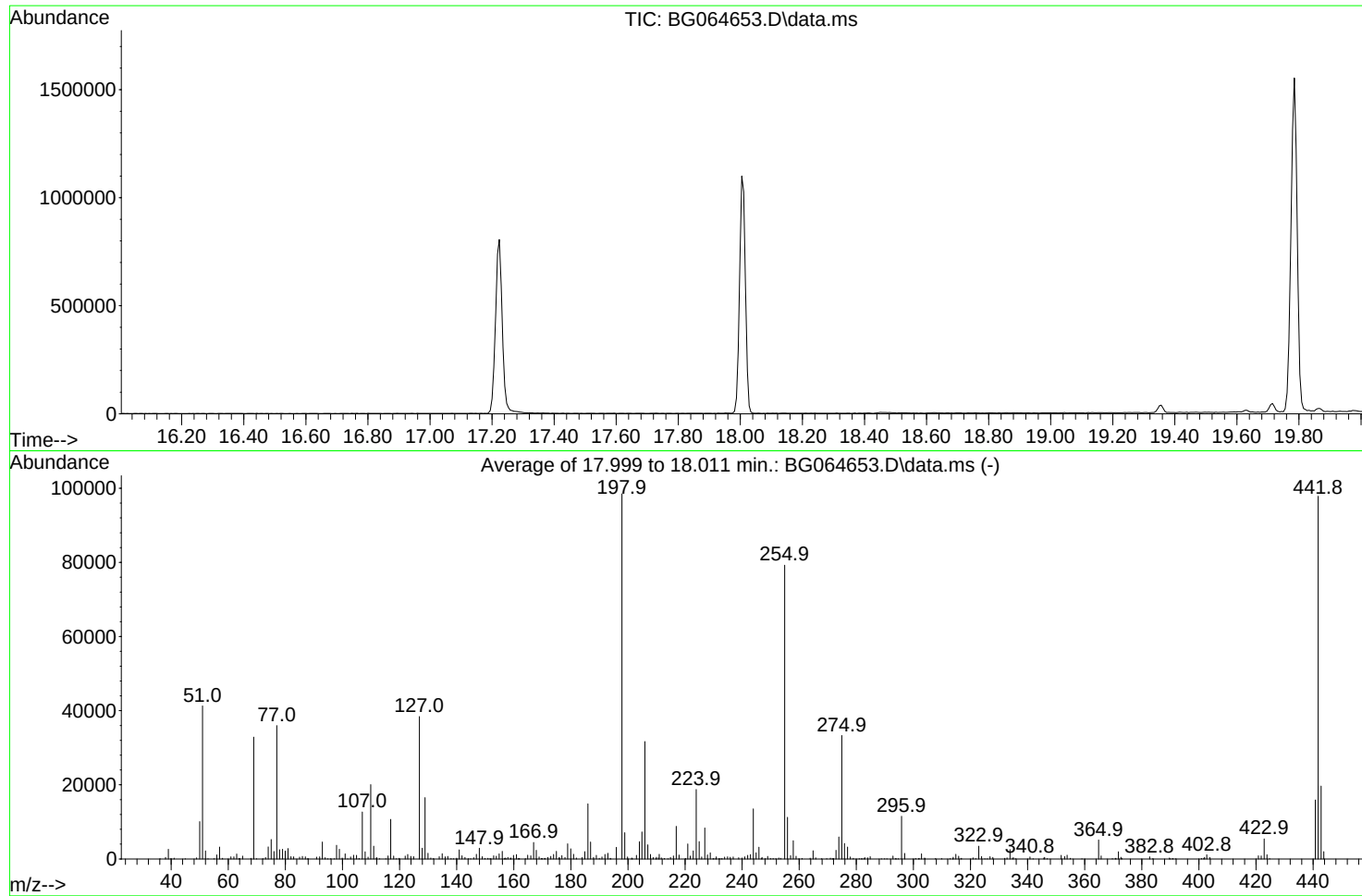
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	<u>BG064568.D</u>
Compound Name	Response	Retention Time
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5598	255492	2.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



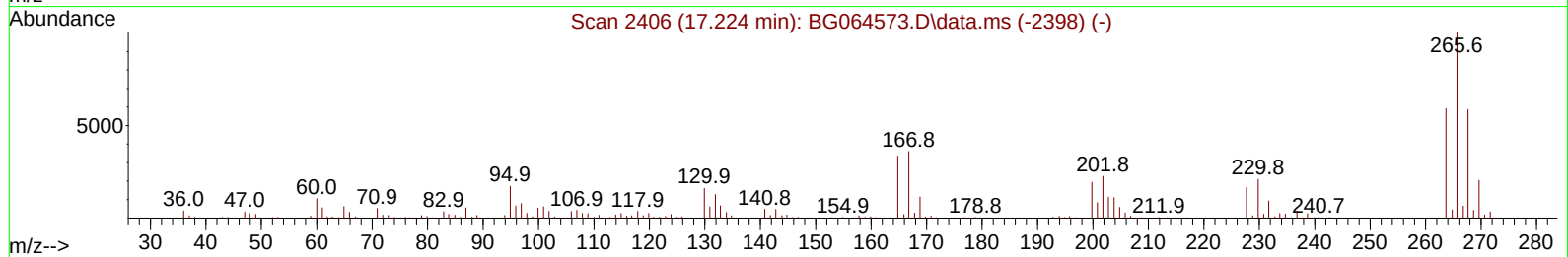
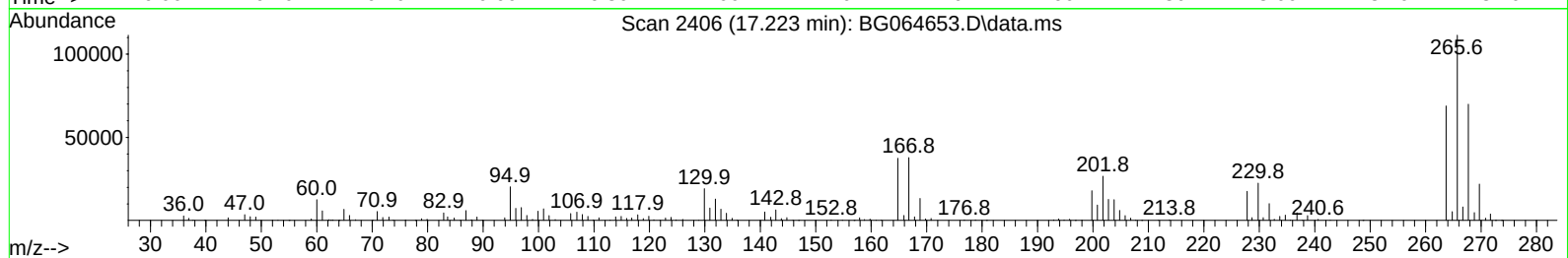
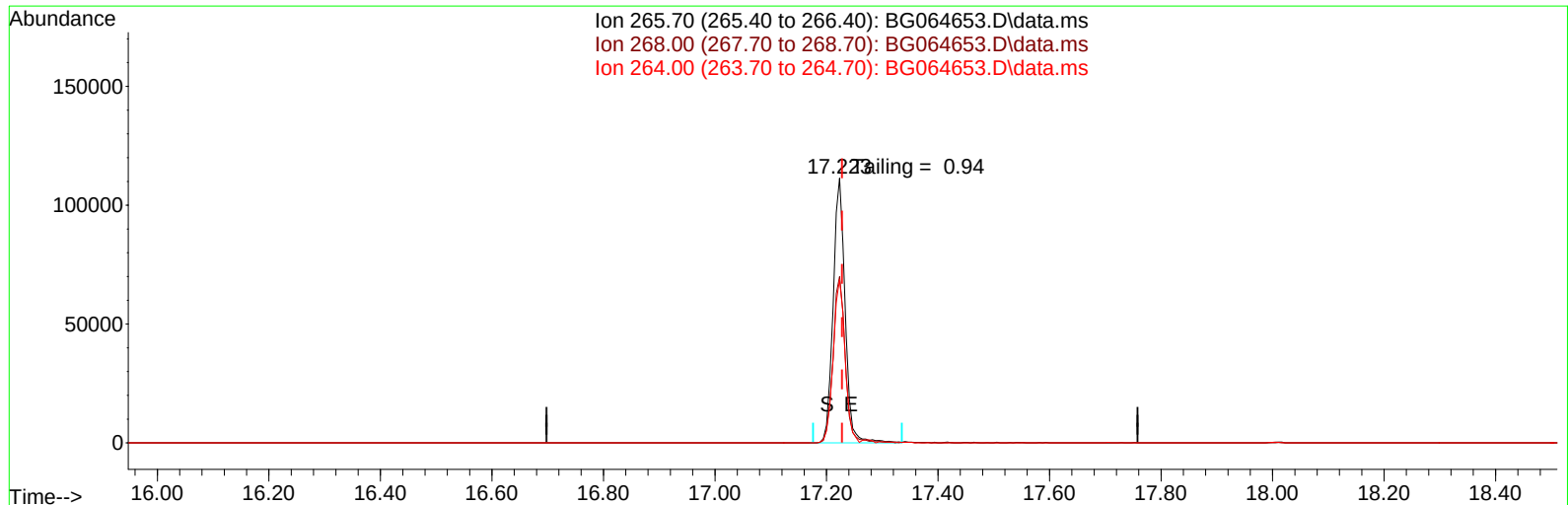
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	203	PASS
69	69	100	100	100.0	32859	PASS
70	69	0.00	2	0.2	60	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	98488	PASS
199	198	5	9	7.2	7105	PASS
365	198	1	100	5.2	5145	PASS
441	443	0.01	150	81.0	15924	PASS
442	442	100	100	100.0	97829	PASS
443	442	15	24	20.1	19658	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 31 13:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064653.D\data.ms

(70) Pentachlorophenol (C)

17.223min (-0.004) 30324.08 ng m

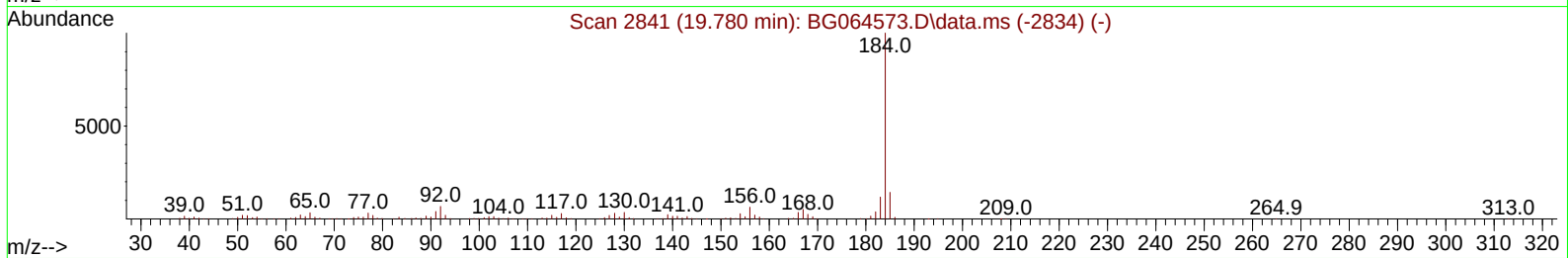
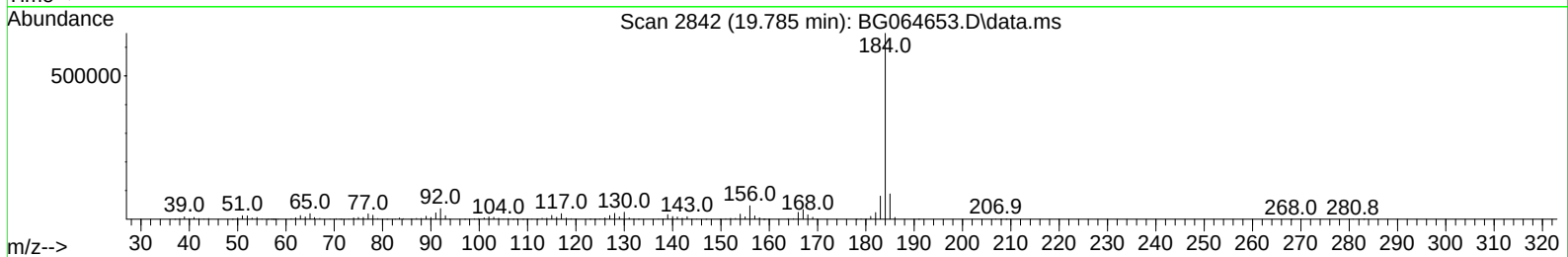
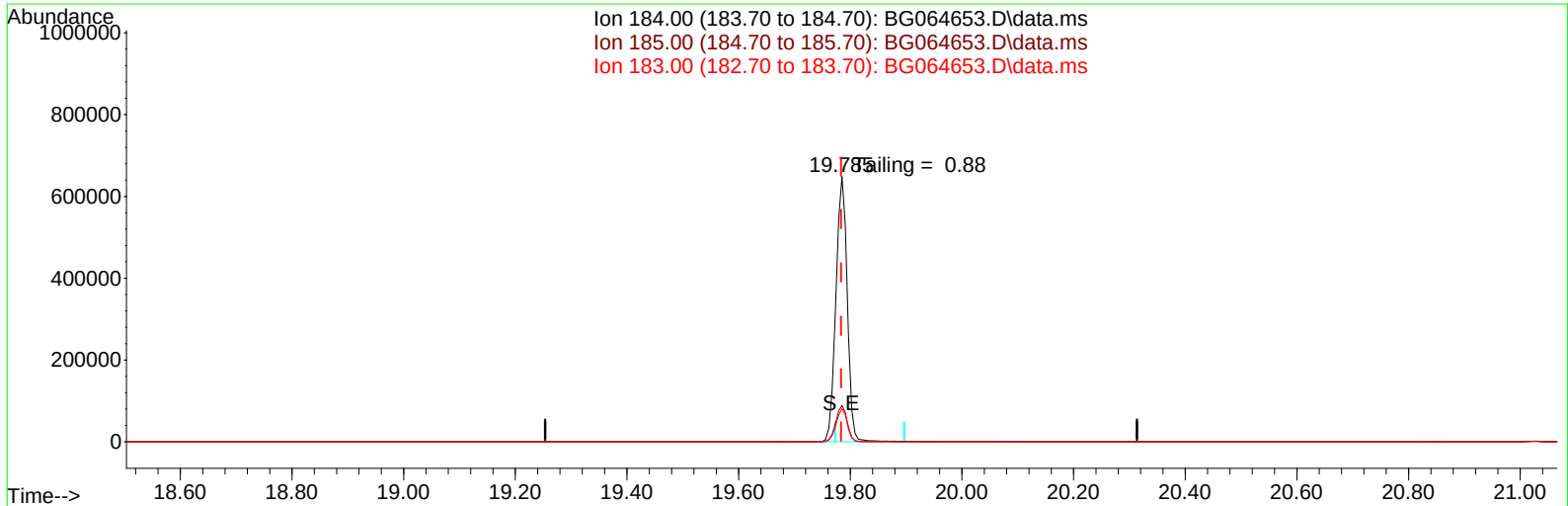
response 166681

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	62.76
264.00	59.10	61.84
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 31 13:23:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064653.D\data.ms

(77) Benzidine

19.785min (+ 0.002) 516456.63 ng

response 740529

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.67
183.00	11.80	12.49
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/31/2025	BNA_G	<u>BG064653.D</u>
Compound Name	Response	Retention Time
DDT	481237	21.025
DDD	7452	20.572
DDE	956	20.079
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
8408	489645	1.72

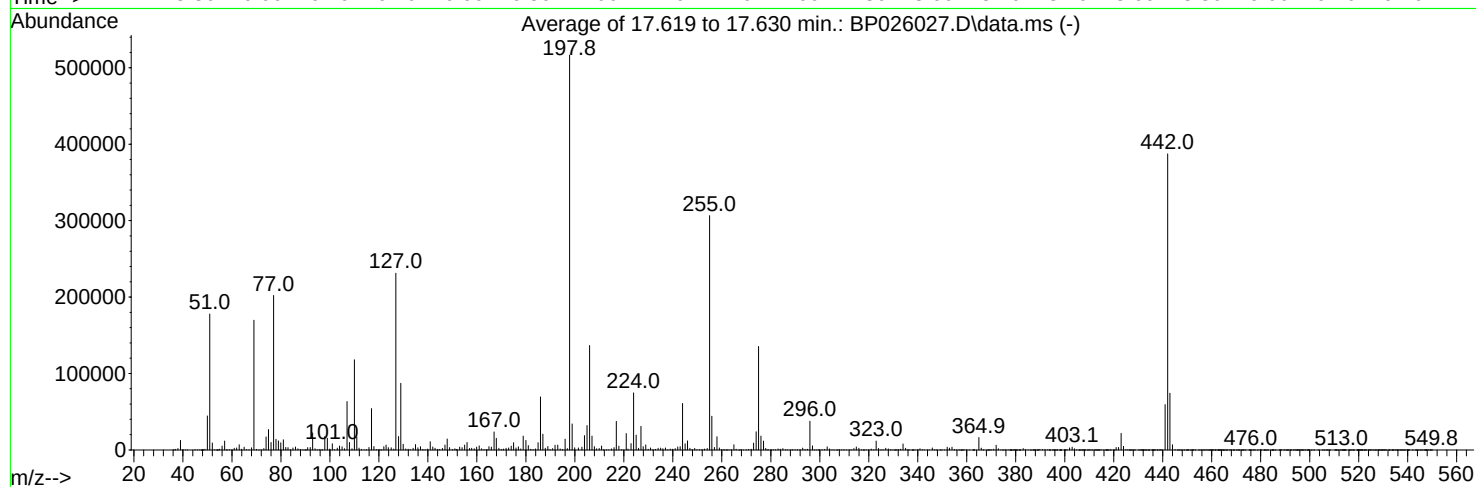
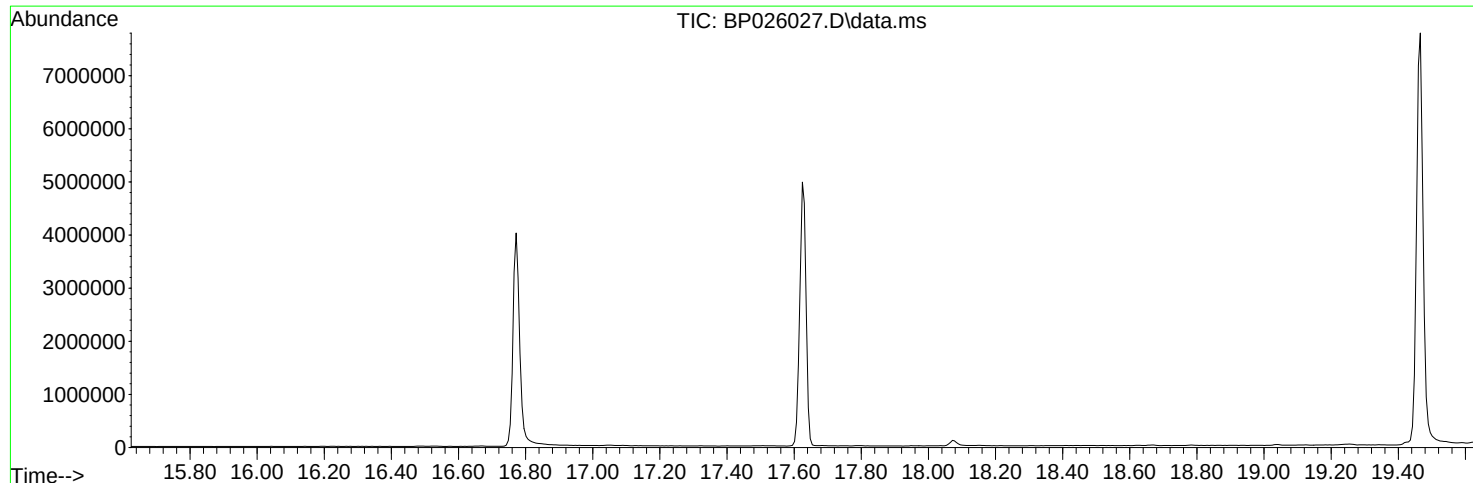
Instrument :
BNA_G
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025



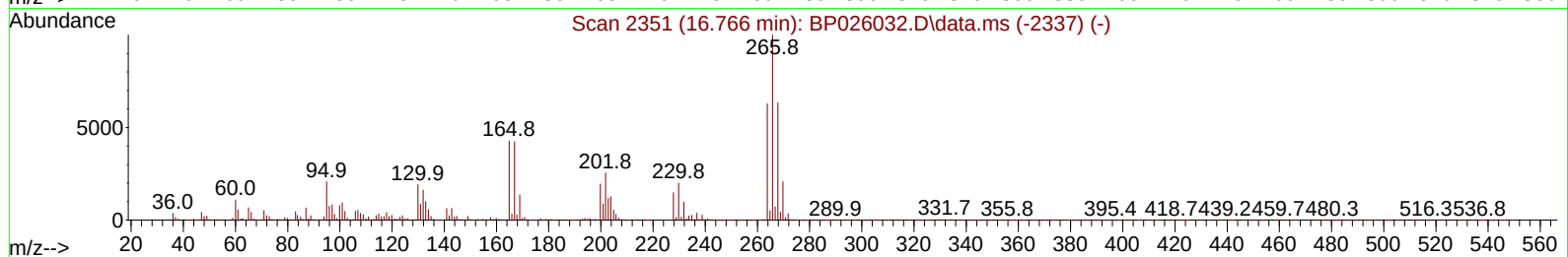
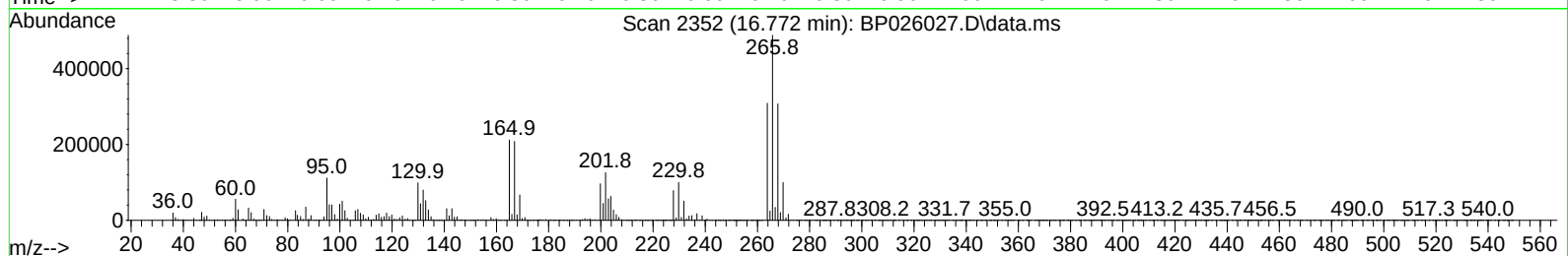
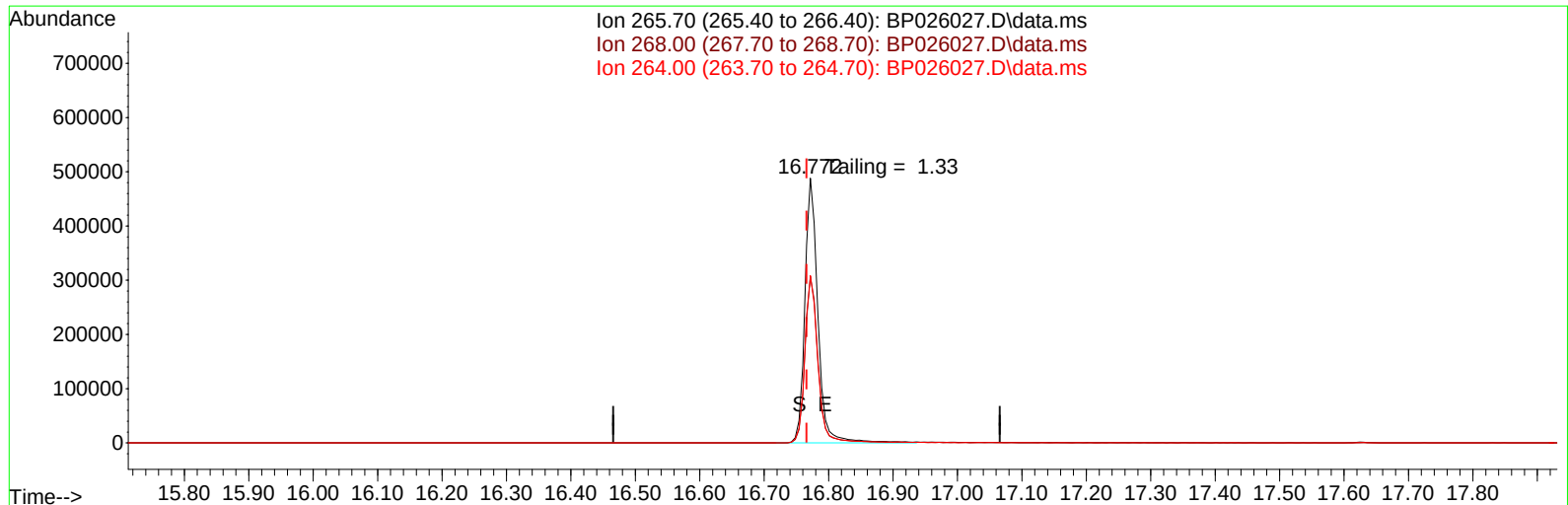
AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2484

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
68	69	0.00	2	1.6	2792	PASS
69	69	100	100	100.0	169765	PASS
70	69	0.00	2	0.4	752	PASS
197	198	0.00	2	0.4	1827	PASS
198	198	100	100	100.0	516572	PASS
199	198	5	9	6.6	34035	PASS
365	198	1	100	3.1	16180	PASS
441	443	0.01	150	79.9	59342	PASS
442	442	100	100	100.0	387348	PASS
443	442	15	24	19.2	74271	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration



TIC: BP026027.D\data.ms

(70) Pentachlorophenol (C)

16.772min (+ 0.006) 52866.47 ng

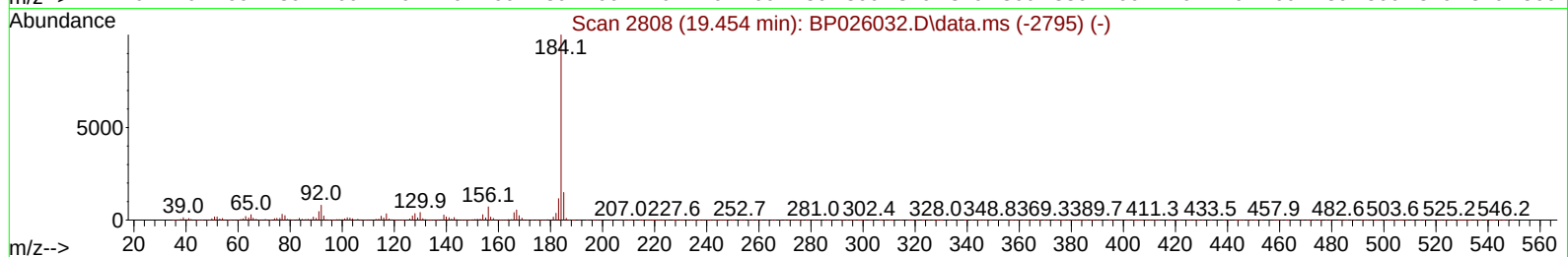
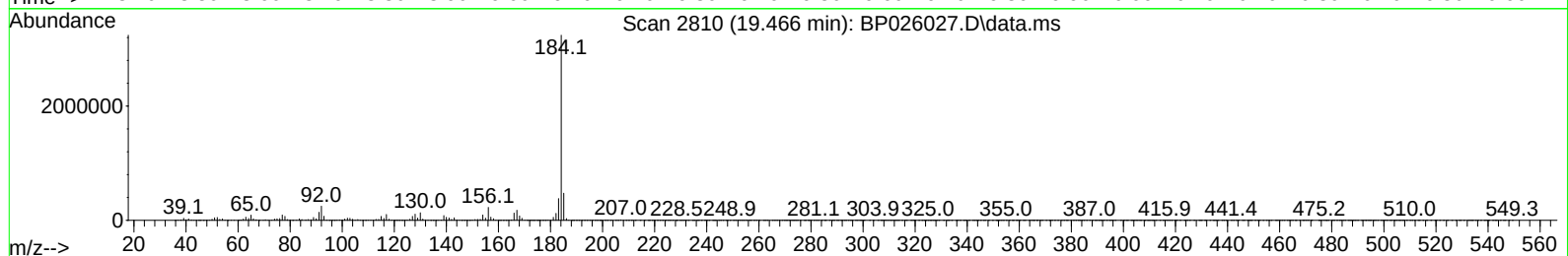
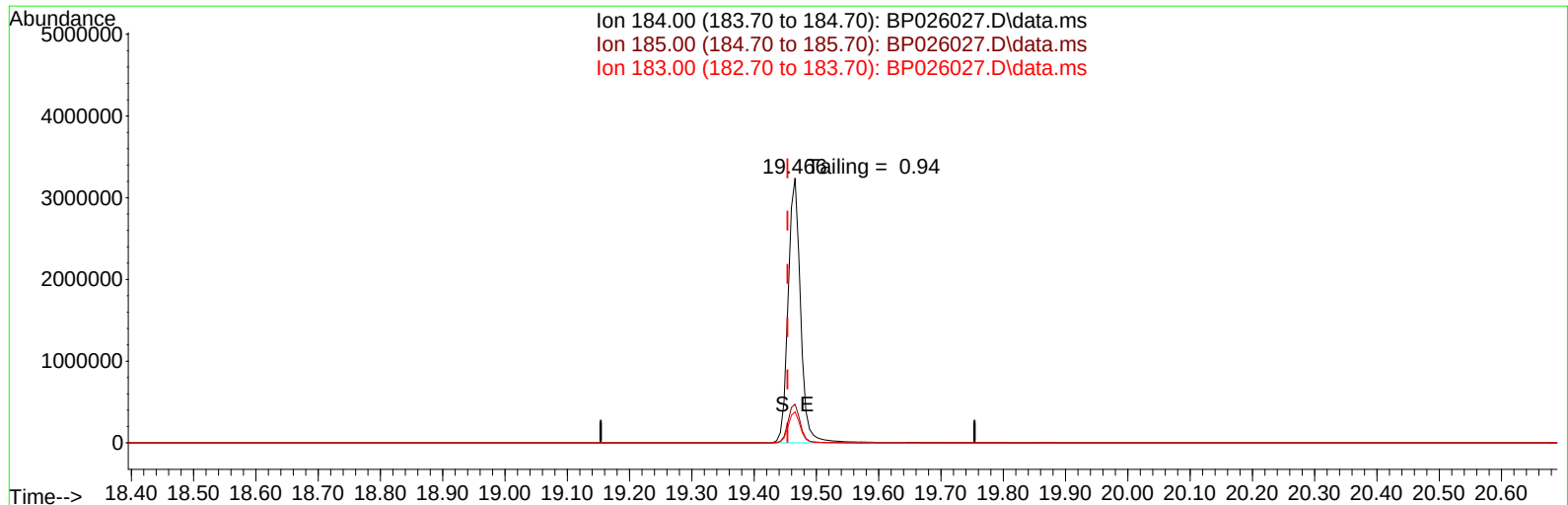
response 688723

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	62.93
264.00	62.80	63.23
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Oct 29 15:04:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 15:02:40 2025
Response via : Initial Calibration



TIC: BP026027.D\data.ms

(77) Benzidine

19.466min (+ 0.012) 16317.24 ng

response 4546390

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.62
183.00	11.50	11.75
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_P	<u>BP026027.D</u>
Compound Name	Response	Retention Time
DDT	1446445	20.766
DDD	18274	20.301
DDE	1074	19.866
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
19348	1465793	1.32

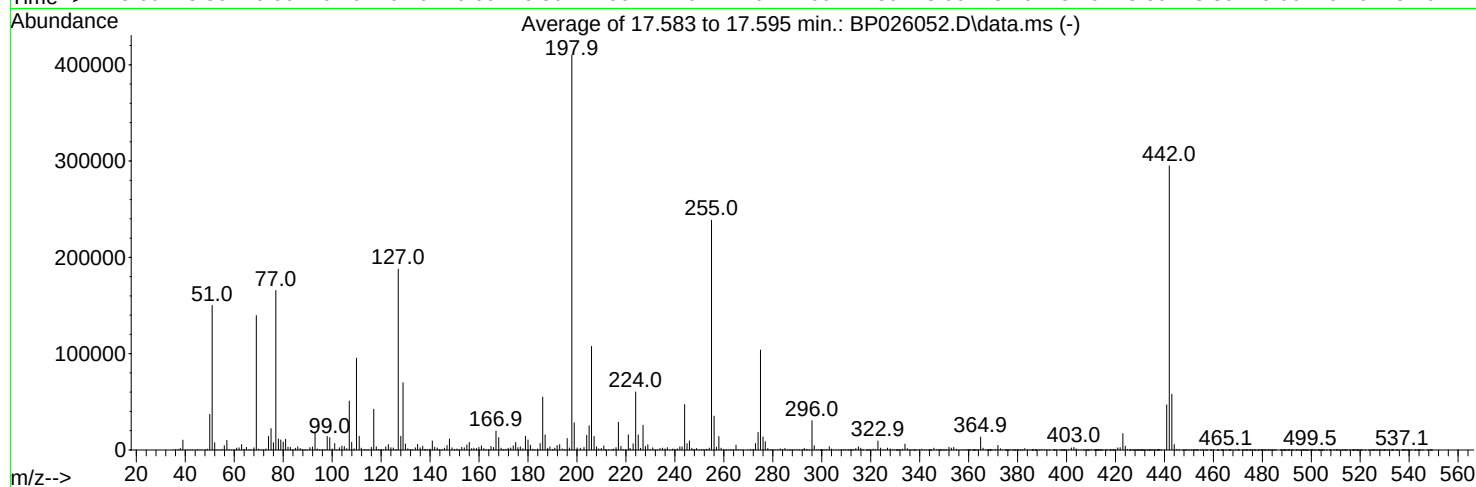
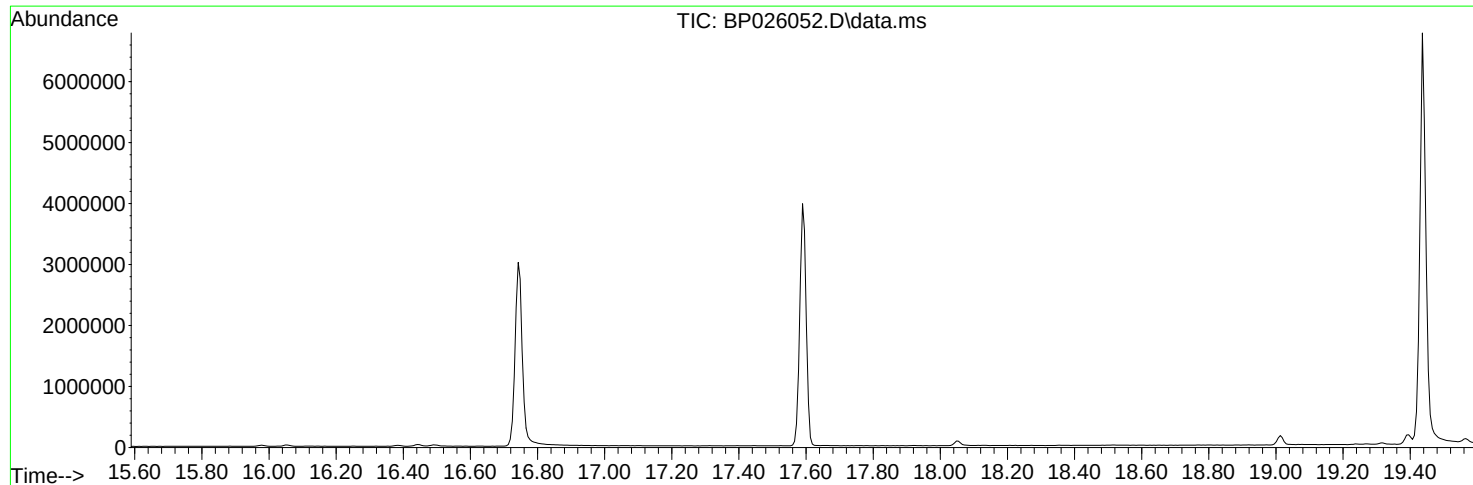
Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 30 11:51:34 2025



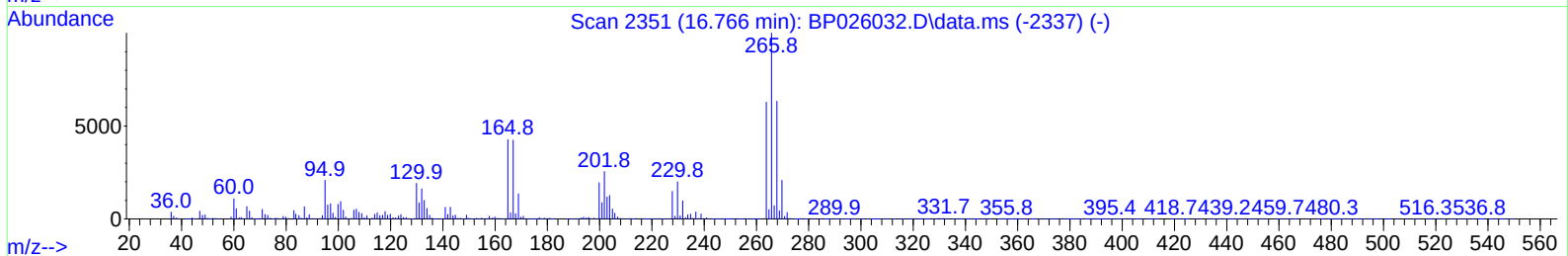
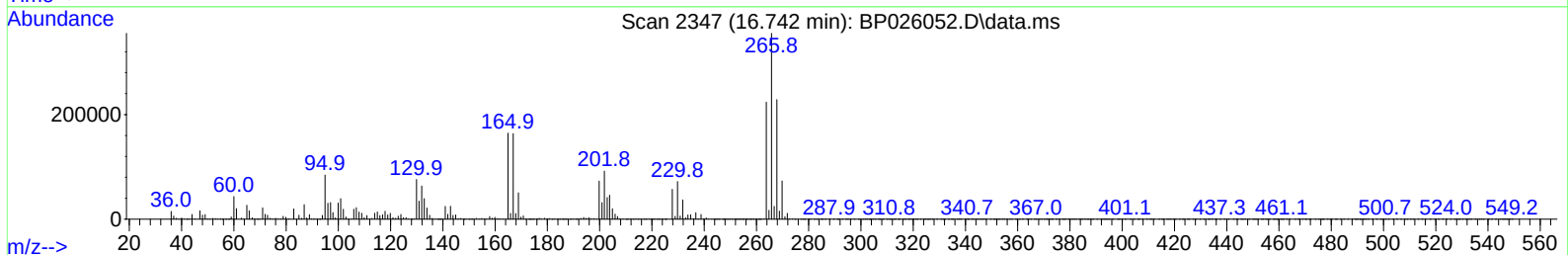
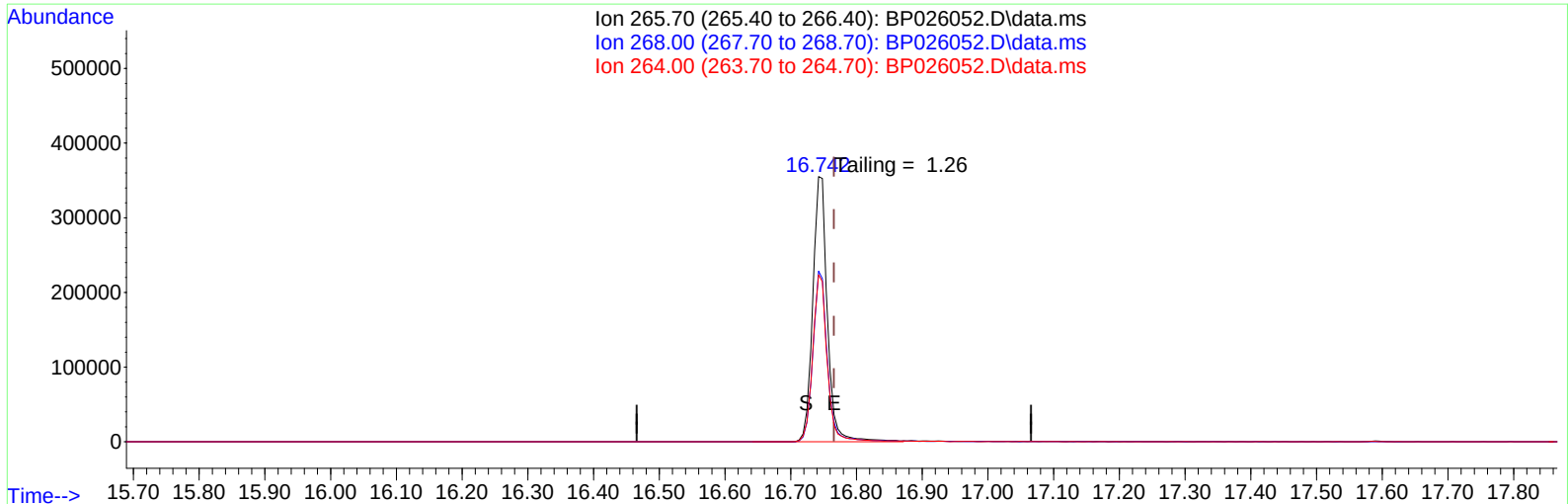
AutoFind: Scans 2490, 2491, 2492; Background Corrected with Scan 2482

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2201	PASS
69	69	100	100	100.0	139597	PASS
70	69	0.00	2	0.6	886	PASS
197	198	0.00	2	0.5	2141	PASS
198	198	100	100	100.0	410085	PASS
199	198	5	9	6.9	28183	PASS
365	198	1	100	3.3	13331	PASS
441	443	0.01	150	80.8	46777	PASS
442	442	100	100	100.0	295123	PASS
443	442	15	24	19.6	57925	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 03 11:20:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



TIC: BP026052.D\data.ms

(70) Pentachlorophenol (C)

16.742min (-0.023) 2966656.68 ng

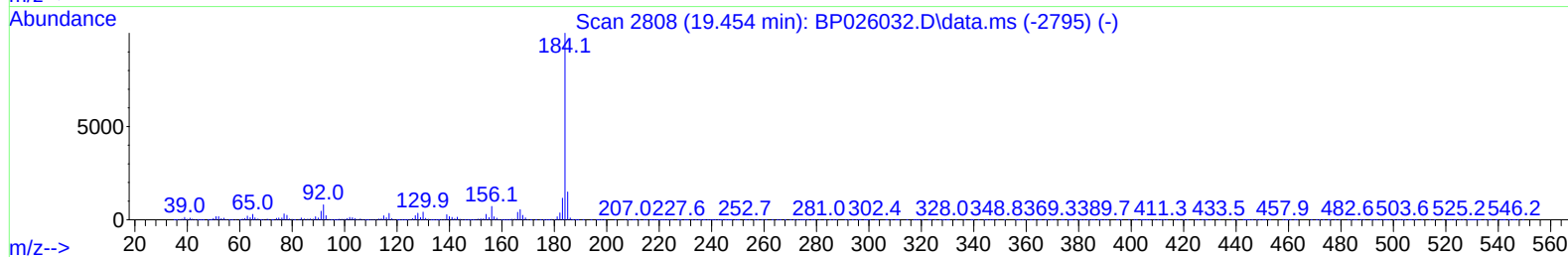
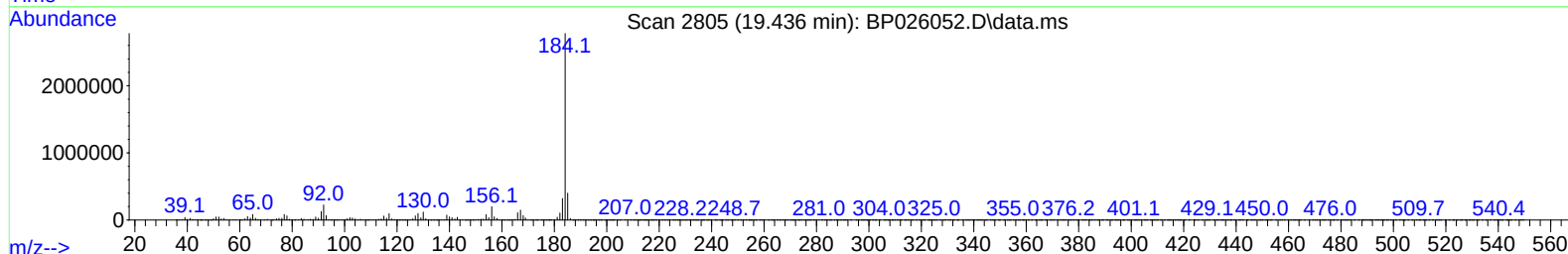
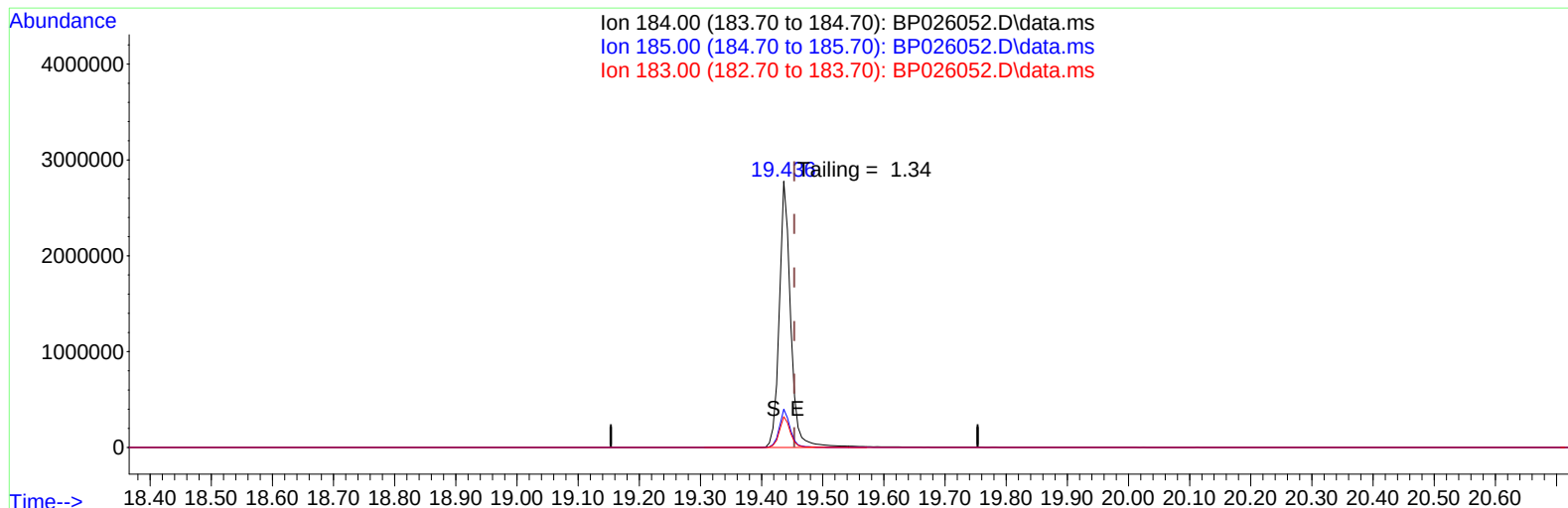
response 549178

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	64.31
264.00	62.80	62.98
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Nov 03 11:20:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



TIC: BP026052.D\data.ms

(77) Benzidine**19.436min (-0.017) 1459112.87 ng****response 3666573**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.90	14.38
183.00	11.50	11.60
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
11/3/2025	BNA_P	<u>BP026052.D</u>
Compound Name	Response	Retention Time
DDT	1332752	20.748
DDD	9563	20.283
DDE	937	19.754
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10500	1343252	0.78

Instrument :
BNA_P
ClientSampleId :
DFTPP

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:	
Project: Maclearie Park	Date Received:	
Client Sample ID: PB170342BL	SDG No.:	Q3495
Lab Sample ID: PB170342BL	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: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/03/25 11:47	PB170342
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/03/25 11:47	PB170342
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/03/25 11:47	PB170342
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/03/25 11:47	PB170342
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/03/25 11:47	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/03/25 11:47	PB170342
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/03/25 11:47	PB170342
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/03/25 11:47	PB170342
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	80.0	ug/Kg	11/03/25 11:47	PB170342
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/03/25 11:47	PB170342
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/03/25 11:47	PB170342
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/03/25 11:47	PB170342
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	11/03/25 11:47	PB170342
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	11/03/25 11:47	PB170342
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/03/25 11:47	PB170342
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/03/25 11:47	PB170342
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/03/25 11:47	PB170342
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/03/25 11:47	PB170342
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/03/25 11:47	PB170342
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	11/03/25 11:47	PB170342
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/03/25 11:47	PB170342
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/03/25 11:47	PB170342
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/03/25 11:47	PB170342
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/03/25 11:47	PB170342
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/03/25 11:47	PB170342
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/03/25 11:47	PB170342
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/03/25 11:47	PB170342
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/03/25 11:47	PB170342
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/03/25 11:47	PB170342
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/03/25 11:47	PB170342
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/03/25 11:47	PB170342
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/03/25 11:47	PB170342
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/03/25 11:47	PB170342
51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/03/25 11:47	PB170342
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/03/25 11:47	PB170342
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/03/25 11:47	PB170342
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	11/03/25 11:47	PB170342
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/03/25 11:47	PB170342
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/03/25 11:47	PB170342
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/03/25 11:47	PB170342
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	11/03/25 11:47	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/03/25 11:47	PB170342



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

Report of Analysis

Client: Remington & Vernick Engineers

Project: Maclearie Park

Client Sample ID: PB170342BL

Lab Sample ID: PB170342BL

Analytical Method: 8270E Level: LOW

Sample Wt/Vol: 30.01 g Final Vol: 1000 uL

Prep Method : SW3541 Prep Date: 10/31/25

Date Collected:

Date Received:

SDG No.: Q3495

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	11/03/25 11:47	PB170342
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/03/25 11:47	PB170342
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/03/25 11:47	PB170342
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/03/25 11:47	PB170342
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	11/03/25 11:47	PB170342
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/03/25 11:47	PB170342
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/03/25 11:47	PB170342
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/03/25 11:47	PB170342
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/03/25 11:47	PB170342
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/03/25 11:47	PB170342
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/03/25 11:47	PB170342
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	11/03/25 11:47	PB170342
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/03/25 11:47	PB170342
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/03/25 11:47	PB170342
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/03/25 11:47	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	11/03/25 11:47	PB170342
117-84-0	Di-n-octyl phthalate	86.8	U	1	86.8	330	ug/Kg	11/03/25 11:47	PB170342
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/03/25 11:47	PB170342
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/03/25 11:47	PB170342
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/03/25 11:47	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/03/25 11:47	PB170342
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/03/25 11:47	PB170342
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/03/25 11:47	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/03/25 11:47	PB170342
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/03/25 11:47	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/03/25 11:47	PB170342

SURROGATES

367-12-4	2-Fluorophenol	127		18 - 112	85%	SPK: 150
13127-88-3	Phenol-d6	122		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.9		20 - 109	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	85.3		10 - 105	85%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	337000
1146-65-2	Naphthalene-d8	1300000
15067-26-2	Acenaphthene-d10	794000
1517-22-2	Phenanthrene-d10	1680000
1719-03-5	Chrysene-d12	1850000
1520-96-3	Perylene-d12	2010000



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Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170342BL		SDG No.:	Q3495
Lab Sample ID:	PB170342BL		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

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_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

Quant Time: Nov 03 12:08:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	336600	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1298621	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	793578	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1683386	20.000	ng	0.00
76) Chrysene-d12	21.560	240	1852671	20.000	ng	0.00
86) Perylene-d12	24.877	264	2010353	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2600508	127.483	ng	0.00
7) Phenol-d6	6.855	99	3164552	121.884	ng	0.00
23) Nitrobenzene-d5	8.819	82	1791159	85.984	ng	0.00
42) 2,4,6-Tribromophenol	15.825	330	1090809	127.143	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	4577987	82.893	ng	0.00
79) Terphenyl-d14	19.860	244	7774571	85.258	ng	0.00

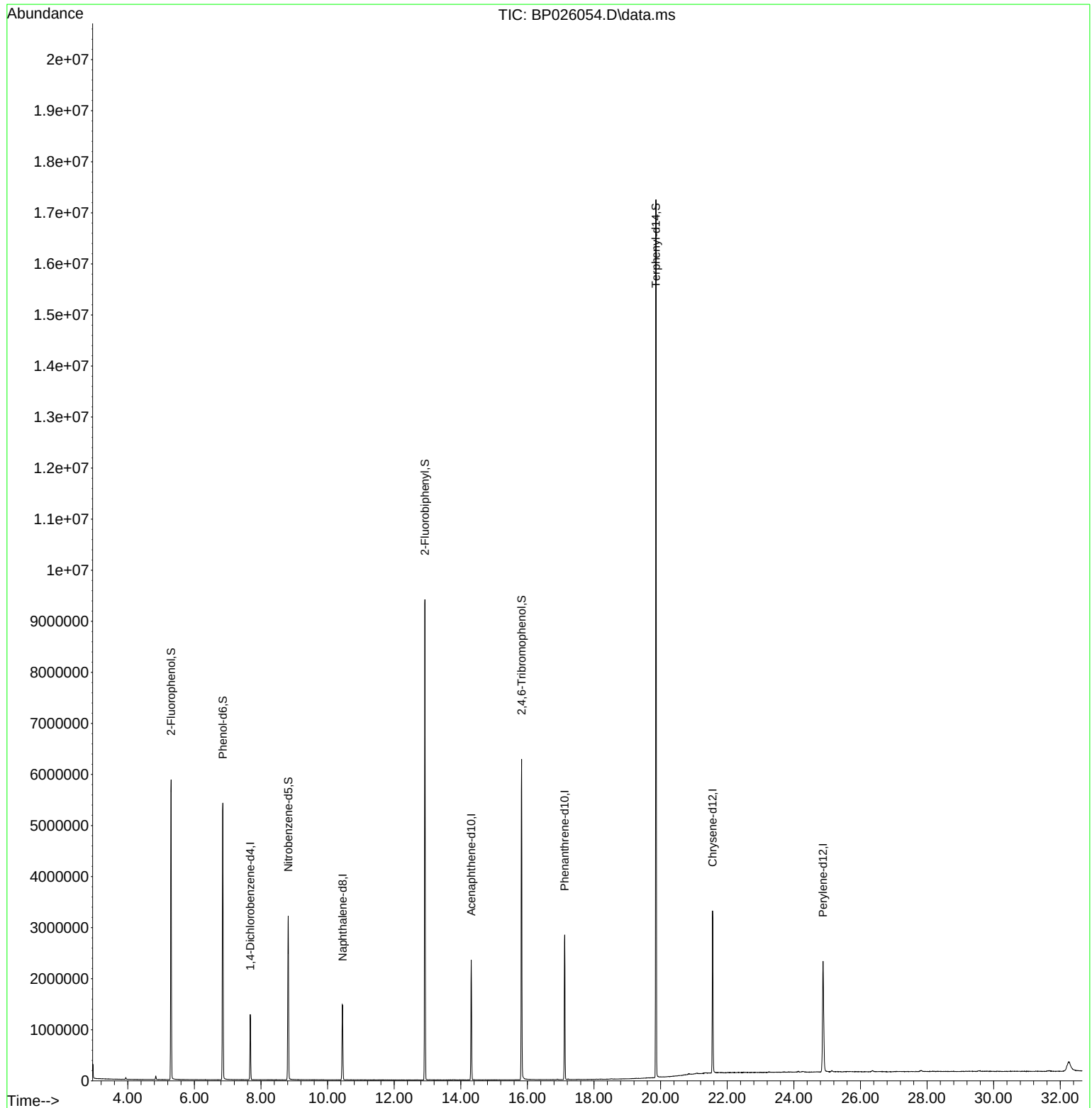
Target Compounds	Qvalue
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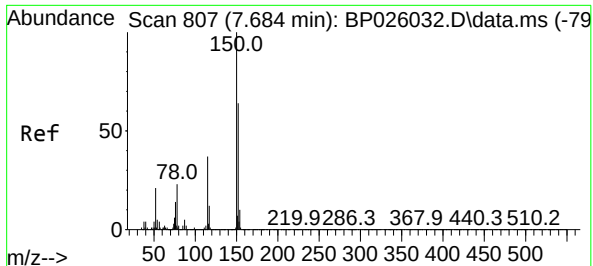
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

Quant Time: Nov 03 12:08:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

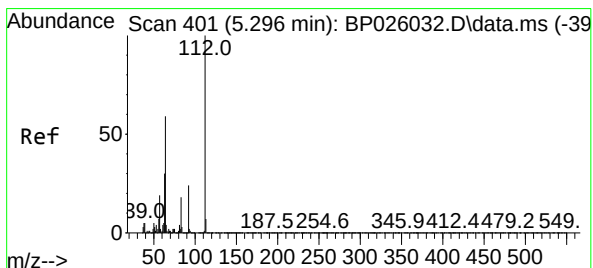
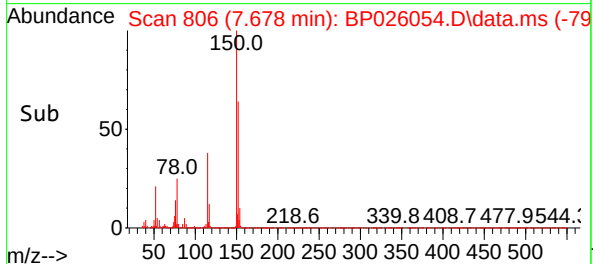
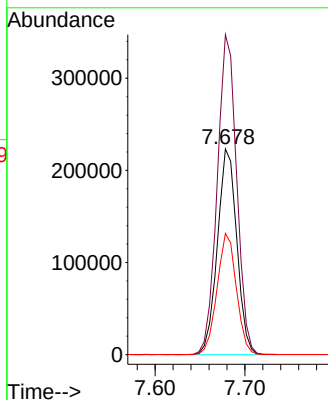
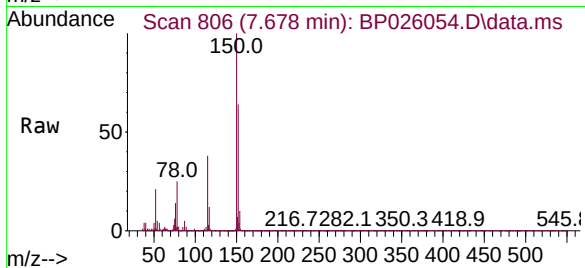




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.678 min Scan# 80
 Delta R.T. -0.012 min
 Lab File: BP026054.D
 Acq: 03 Nov 2025 11:47

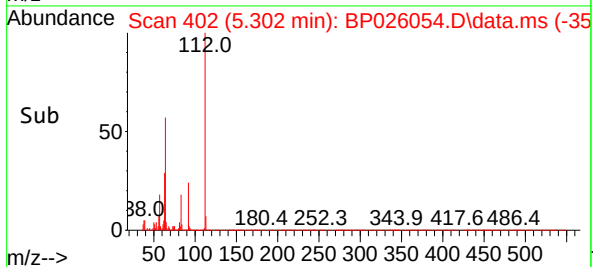
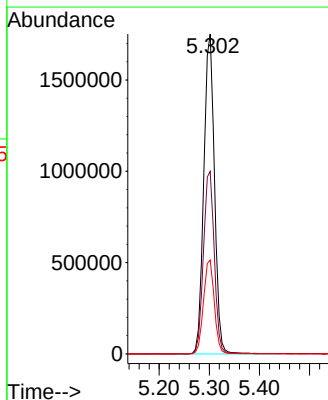
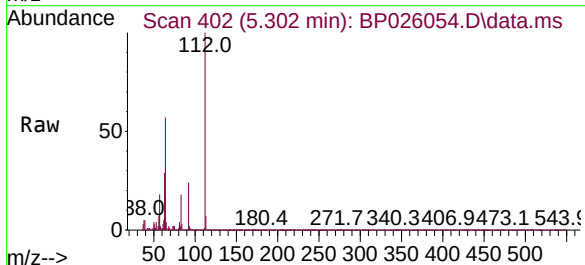
Instrument :
 BNA_P
 ClientSampleId :
 PB170342BL

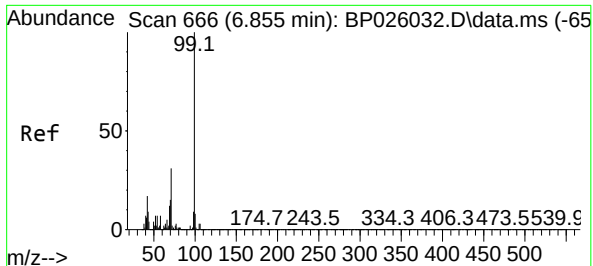
Tgt Ion:152 Resp: 336600
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.7 188.5
 115 58.9 46.4 69.6



#5
 2-Fluorophenol
 Concen: 127.483 ng
 RT: 5.302 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: BP026054.D
 Acq: 03 Nov 2025 11:47

Tgt Ion:112 Resp: 2600508
 Ion Ratio Lower Upper
 112 100
 64 57.0 47.4 71.2
 63 29.3 24.2 36.4

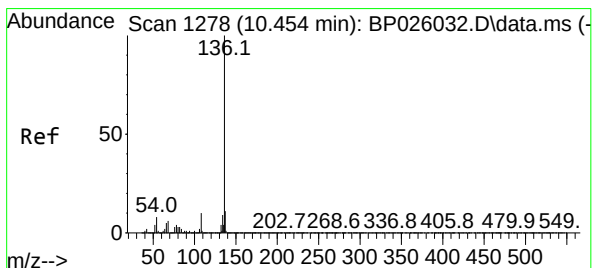
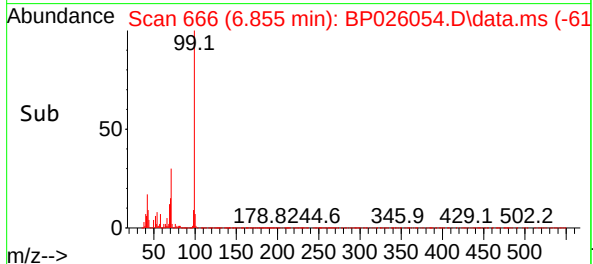
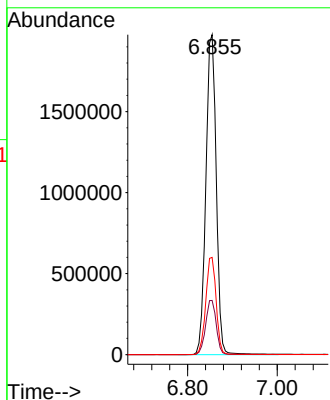
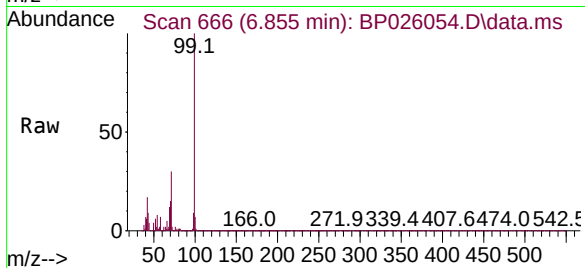




#7
Phenol-d6
Concen: 121.884 ng
RT: 6.855 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

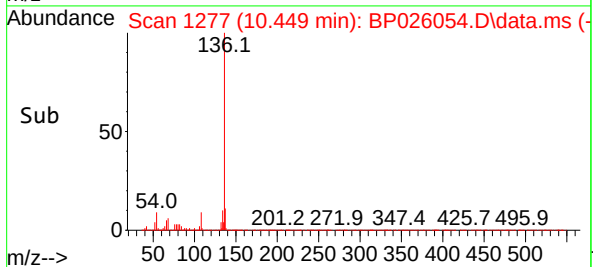
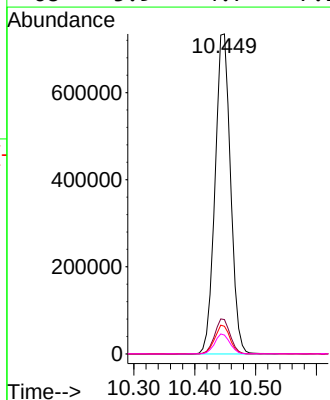
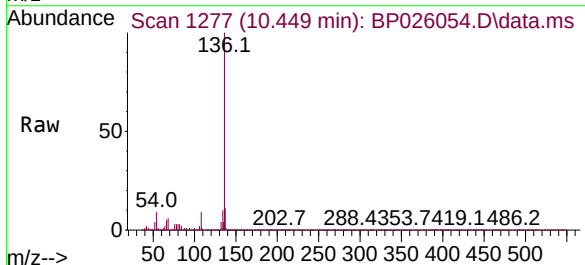
Instrument :
BNA_P
ClientSampleId :
PB170342BL

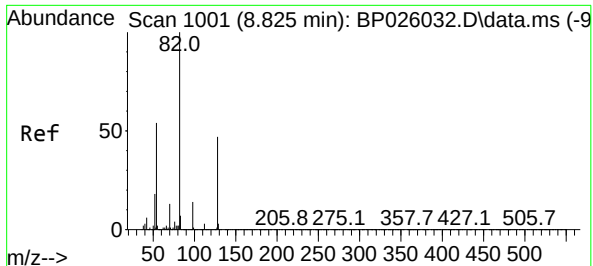
Tgt Ion: 99 Resp: 3164552
Ion Ratio Lower Upper
99 100
42 17.0 13.7 20.5
71 30.4 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

Tgt Ion: 136 Resp: 1298621
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.6 6.6 10.0
68 5.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 85.984 ng

RT: 8.819 min Scan# 1000

Delta R.T. -0.006 min

Lab File: BP026054.D

Acq: 03 Nov 2025 11:47

Instrument :

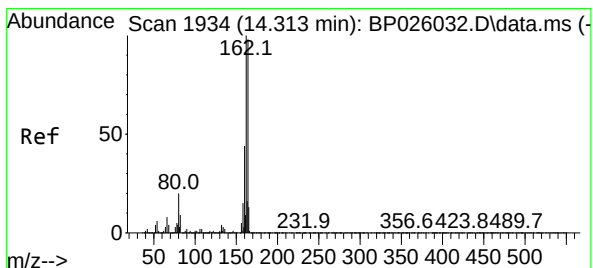
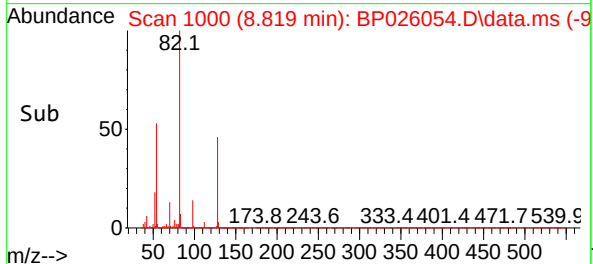
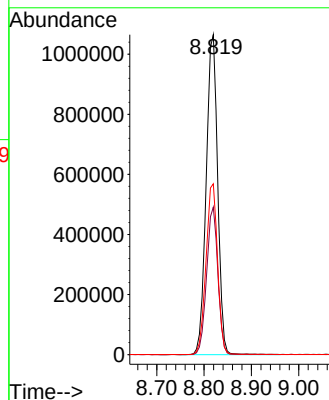
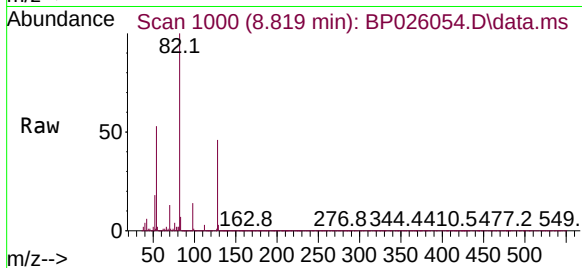
BNA_P

ClientSampleId :

PB170342BL

Tgt Ion: 82 Resp: 1791159

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.4	56.0
54	53.4	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.313 min Scan# 1934

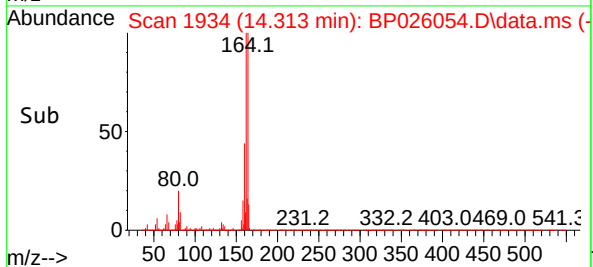
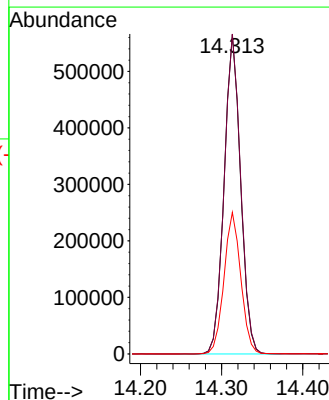
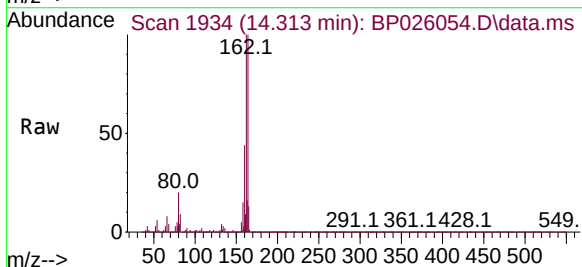
Delta R.T. -0.006 min

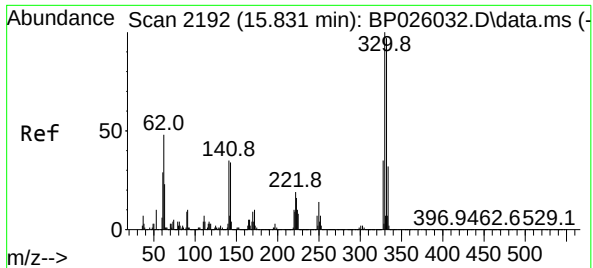
Lab File: BP026054.D

Acq: 03 Nov 2025 11:47

Tgt Ion: 164 Resp: 793578

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.5	122.3
160	44.3	36.2	54.4

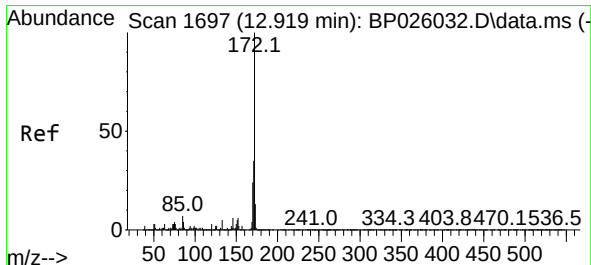
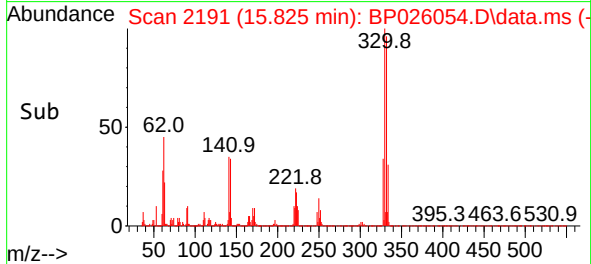
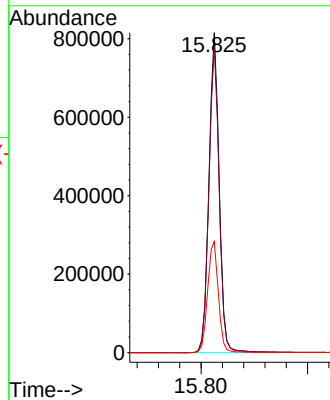
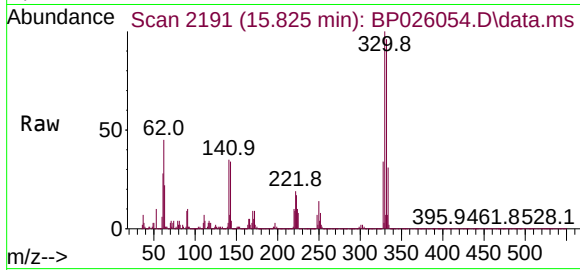




#42
2,4,6-Tribromophenol
Concen: 127.143 ng
RT: 15.825 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

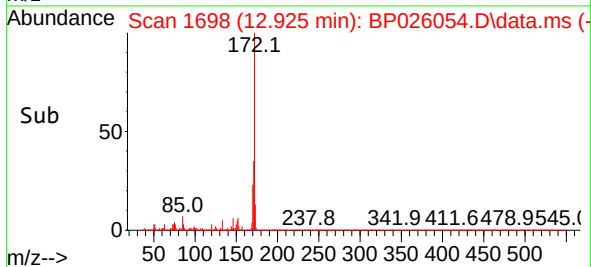
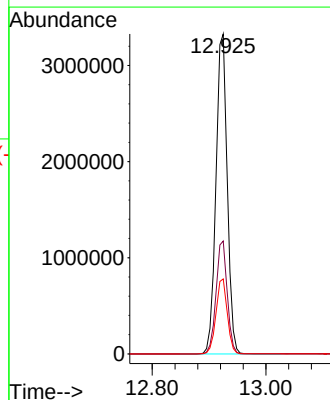
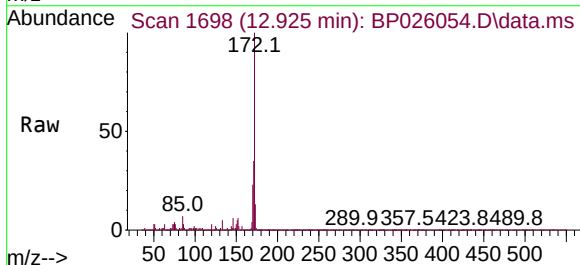
Instrument :
BNA_P
ClientSampleId :
PB170342BL

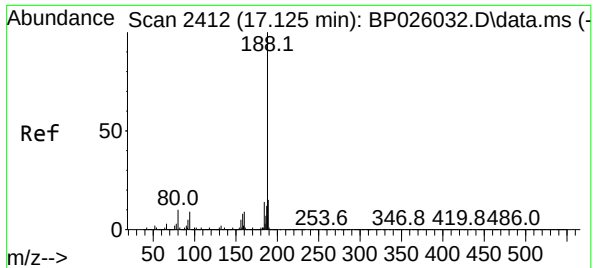
Tgt Ion:330 Resp: 1090809
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 36.5 28.6 42.8



#45
2-Fluorobiphenyl
Concen: 82.893 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

Tgt Ion:172 Resp: 4577987
Ion Ratio Lower Upper
172 100
171 35.3 27.9 41.9
170 23.4 19.0 28.4

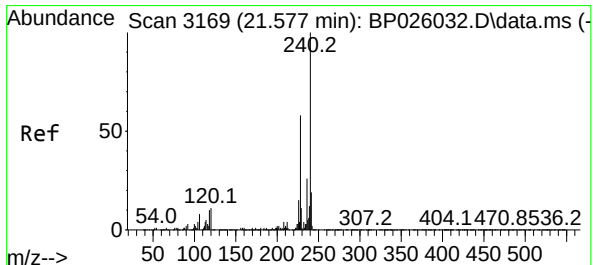
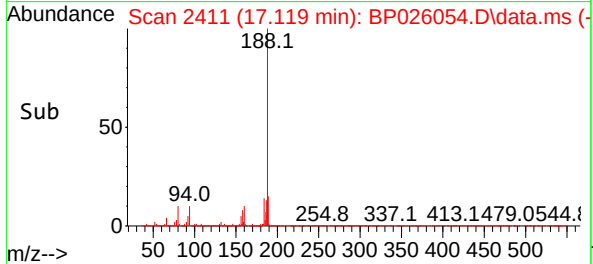
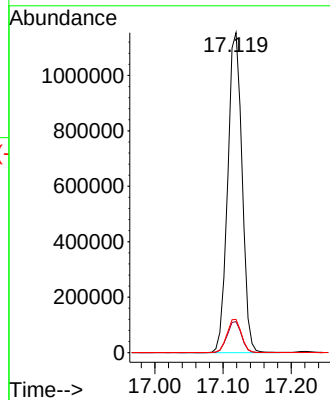
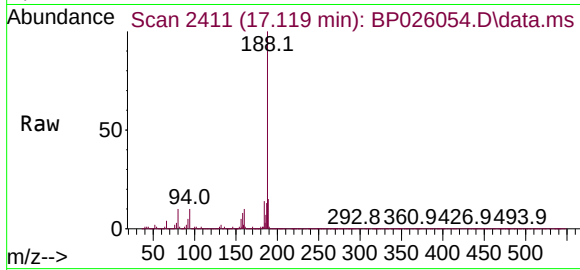




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

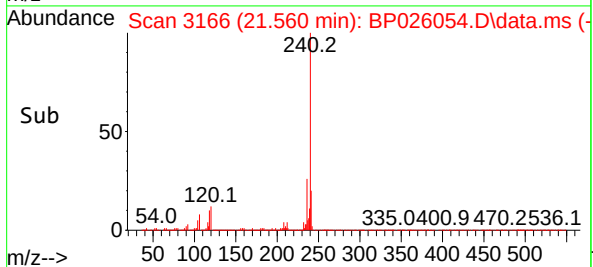
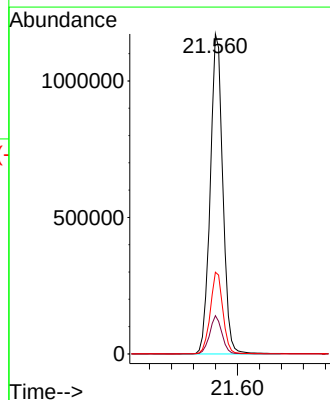
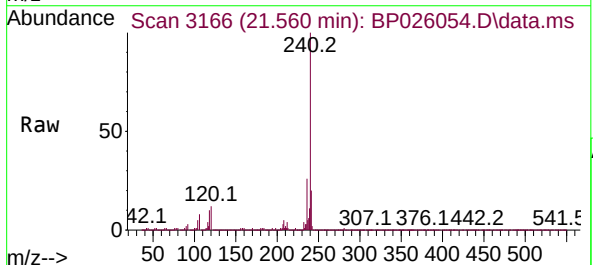
Instrument :
BNA_P
ClientSampleId :
PB170342BL

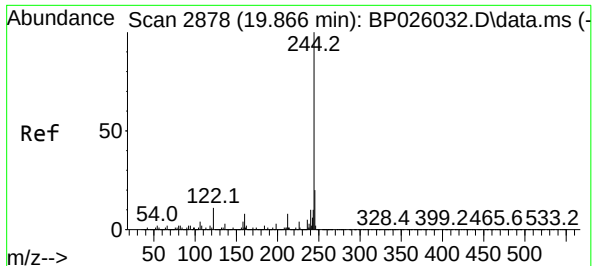
Tgt Ion:188 Resp: 1683386
Ion Ratio Lower Upper
188 100
94 9.7 7.1 10.7
80 10.4 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

Tgt Ion:240 Resp: 1852671
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.5 20.6 31.0

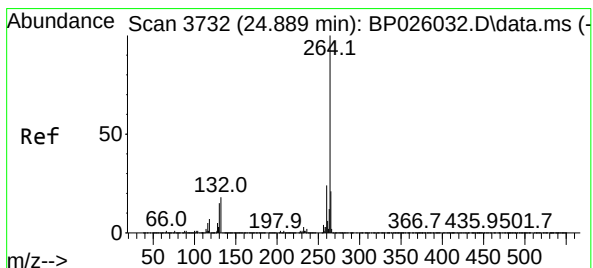
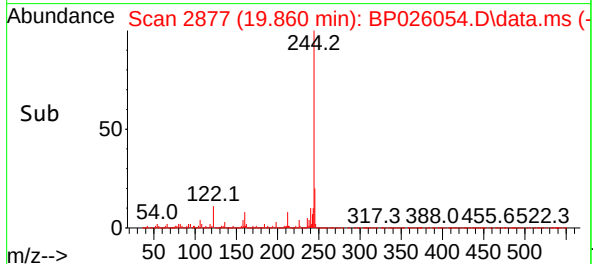
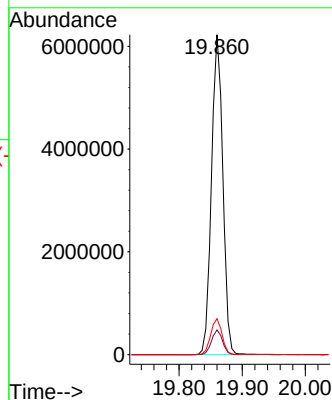
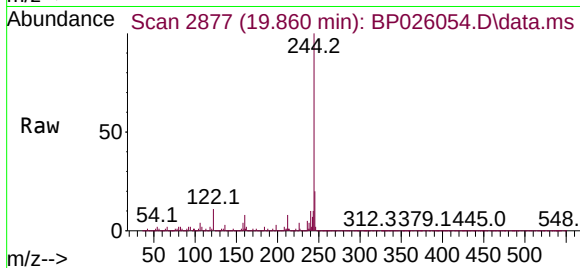




#79
 Terphenyl-d14
 Concen: 85.258 ng
 RT: 19.860 min Scan# 2878
 Delta R.T. -0.006 min
 Lab File: BP026054.D
 Acq: 03 Nov 2025 11:47

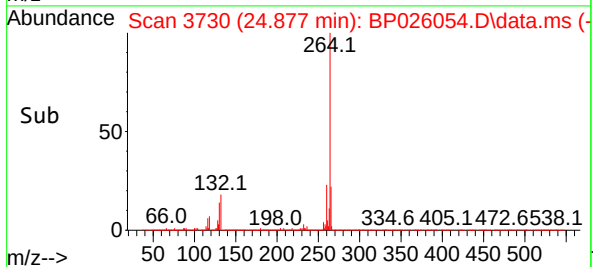
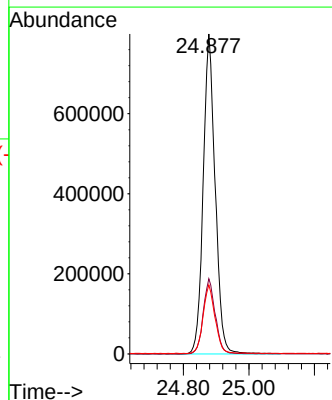
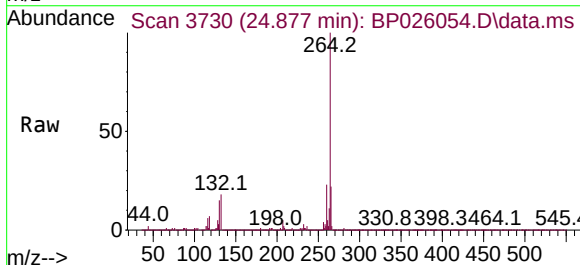
Instrument :
 BNA_P
 ClientSampleId :
 PB170342BL

Tgt Ion:244 Resp: 7774571
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 11.2 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.877 min Scan# 3730
 Delta R.T. -0.006 min
 Lab File: BP026054.D
 Acq: 03 Nov 2025 11:47

Tgt Ion:264 Resp: 2010353
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 21.6 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026054.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.302	395	402	416	rBV	5873931	8805803	41.28%	9.911%
2	6.855	657	666	691	rBV	5422804	8818785	41.35%	9.926%
3	7.678	797	806	815	rBV	1280569	1938090	9.09%	2.181%
4	8.819	991	1000	1020	rBV	3206875	5501607	25.79%	6.192%
5	10.443	1266	1276	1290	rBV	1473010	2616131	12.27%	2.944%
6	12.925	1690	1698	1709	rBV	9410615	13075333	61.30%	14.716%
7	14.313	1926	1934	1942	rBV	2345476	3351110	15.71%	3.772%
8	15.825	2182	2191	2214	rBV	6278239	8869062	41.58%	9.982%
9	17.119	2404	2411	2422	rBV2	2834333	4163681	19.52%	4.686%
10	19.860	2871	2877	2892	rBV	17194756	21329650	100.00%	24.006%
11	21.560	3160	3166	3178	rBV	3170711	5010735	23.49%	5.640%
12	24.877	3720	3730	3743	rBV	2162523	5369770	25.18%	6.044%

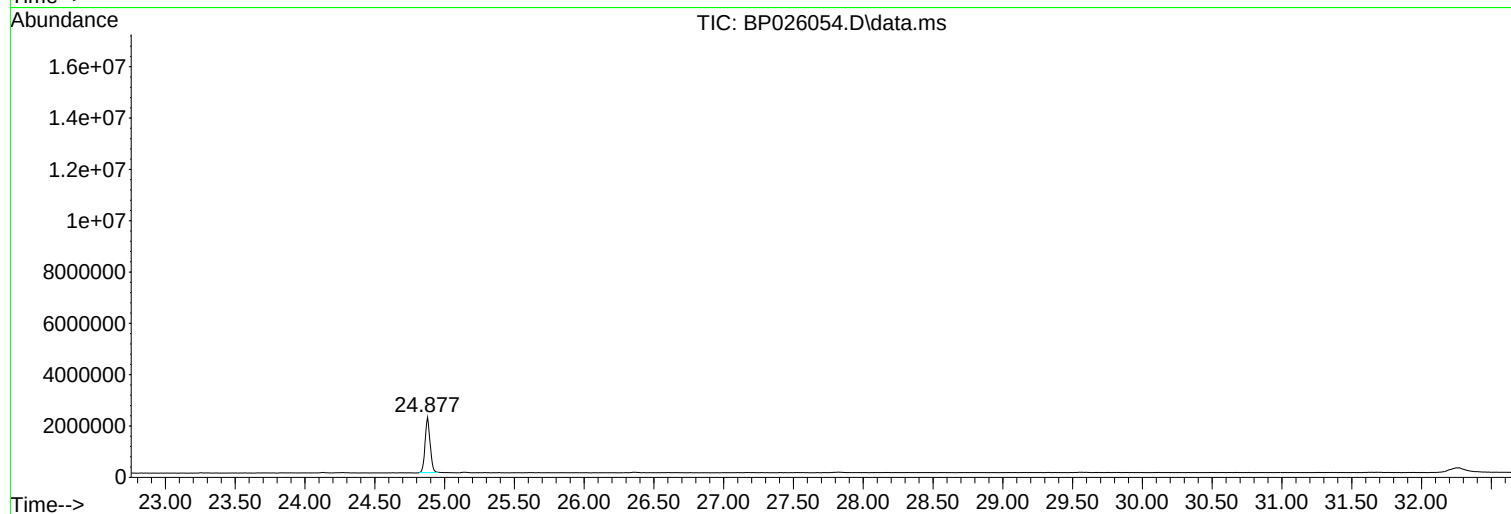
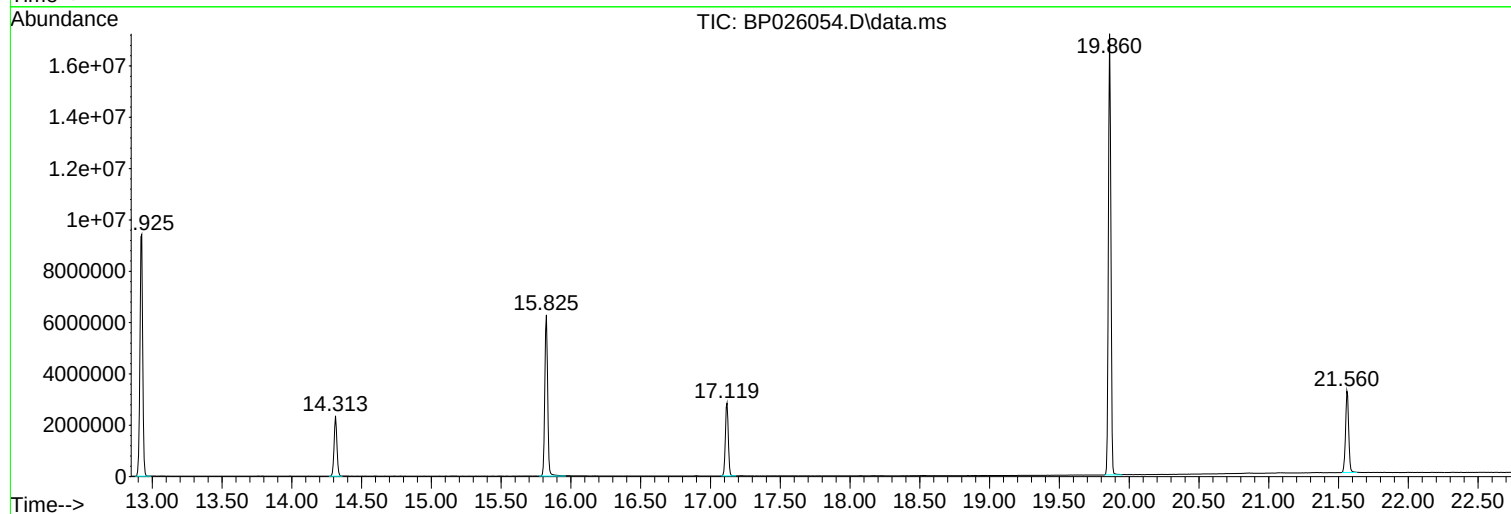
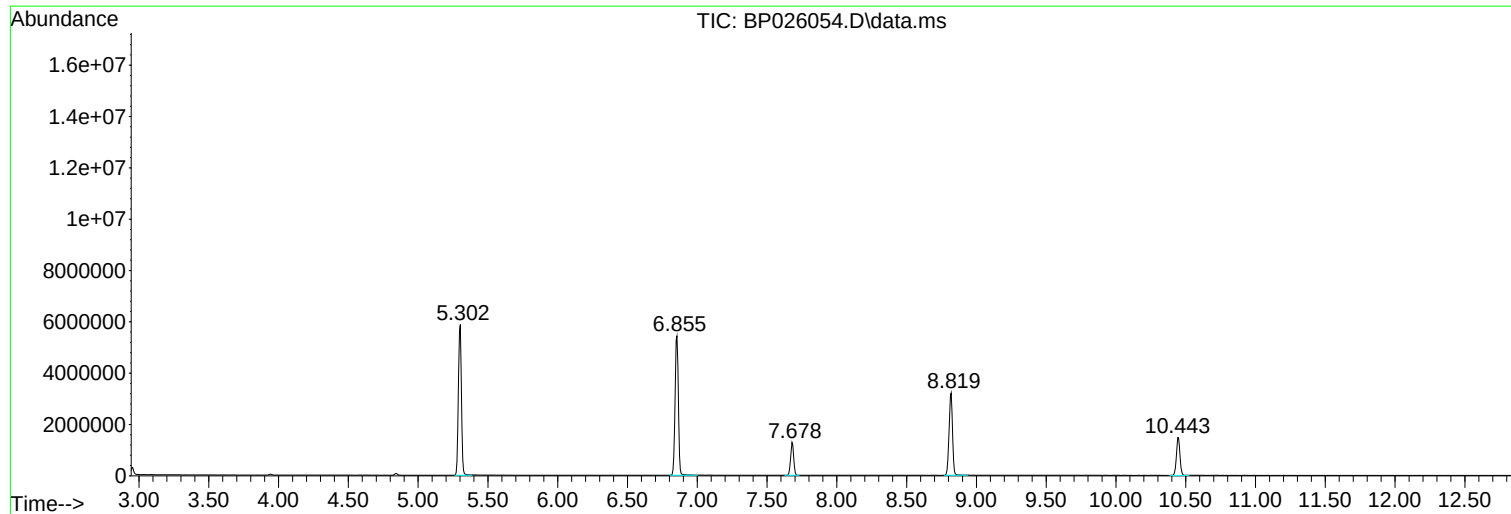
Sum of corrected areas: 88849757

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026054.D
Acq On : 03 Nov 2025 11:47
Operator : RC/JU
Sample : PB170342BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170342BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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	#	RT	Resp	Conc
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Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:	
Project: Maclearie Park	Date Received:	
Client Sample ID: PB170346BL	SDG No.:	Q3495
Lab Sample ID: PB170346BL	Matrix:	Water
Analytical Method: 8270E	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	SVOC-TCL BNA -20
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	3.90	U	1	3.90	10.0	ug/L	11/03/25 13:21	PB170346
108-95-2	Phenol	0.91	U	1	0.91	5.00	ug/L	11/03/25 13:21	PB170346
111-44-4	bis(2-Chloroethyl)ether	0.81	U	1	0.81	5.00	ug/L	11/03/25 13:21	PB170346
95-57-8	2-Chlorophenol	0.58	U	1	0.58	5.00	ug/L	11/03/25 13:21	PB170346
95-48-7	2-Methylphenol	1.10	U	1	1.10	5.00	ug/L	11/03/25 13:21	PB170346
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1	1.30	5.00	ug/L	11/03/25 13:21	PB170346
98-86-2	Acetophenone	0.74	U	1	0.74	5.00	ug/L	11/03/25 13:21	PB170346
65794-96-9	3+4-Methylphenols	1.10	U	1	1.10	10.0	ug/L	11/03/25 13:21	PB170346
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1	1.40	2.50	ug/L	11/03/25 13:21	PB170346
67-72-1	Hexachloroethane	0.65	U	1	0.65	5.00	ug/L	11/03/25 13:21	PB170346
98-95-3	Nitrobenzene	0.76	U	1	0.76	5.00	ug/L	11/03/25 13:21	PB170346
78-59-1	Isophorone	0.75	U	1	0.75	5.00	ug/L	11/03/25 13:21	PB170346
88-75-5	2-Nitrophenol	1.80	U	1	1.80	5.00	ug/L	11/03/25 13:21	PB170346
105-67-9	2,4-Dimethylphenol	1.90	U	1	1.90	5.00	ug/L	11/03/25 13:21	PB170346
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	1	0.68	5.00	ug/L	11/03/25 13:21	PB170346
120-83-2	2,4-Dichlorophenol	0.52	U	1	0.52	5.00	ug/L	11/03/25 13:21	PB170346
91-20-3	Naphthalene	0.50	U	1	0.50	5.00	ug/L	11/03/25 13:21	PB170346
106-47-8	4-Chloroaniline	0.84	U	1	0.84	5.00	ug/L	11/03/25 13:21	PB170346
87-68-3	Hexachlorobutadiene	0.54	U	1	0.54	5.00	ug/L	11/03/25 13:21	PB170346
105-60-2	Caprolactam	1.10	U	1	1.10	10.0	ug/L	11/03/25 13:21	PB170346
59-50-7	4-Chloro-3-methylphenol	0.59	U	1	0.59	5.00	ug/L	11/03/25 13:21	PB170346
91-57-6	2-Methylnaphthalene	0.56	U	1	0.56	5.00	ug/L	11/03/25 13:21	PB170346
77-47-4	Hexachlorocyclopentadiene	3.60	U	1	3.60	10.0	ug/L	11/03/25 13:21	PB170346
88-06-2	2,4,6-Trichlorophenol	0.51	U	1	0.51	5.00	ug/L	11/03/25 13:21	PB170346
95-95-4	2,4,5-Trichlorophenol	0.62	U	1	0.62	5.00	ug/L	11/03/25 13:21	PB170346
92-52-4	1,1-Biphenyl	0.53	U	1	0.53	5.00	ug/L	11/03/25 13:21	PB170346
91-58-7	2-Chloronaphthalene	0.61	U	1	0.61	5.00	ug/L	11/03/25 13:21	PB170346
88-74-4	2-Nitroaniline	1.30	U	1	1.30	5.00	ug/L	11/03/25 13:21	PB170346
131-11-3	Dimethylphthalate	0.61	U	1	0.61	5.00	ug/L	11/03/25 13:21	PB170346
208-96-8	Acenaphthylene	0.75	U	1	0.75	5.00	ug/L	11/03/25 13:21	PB170346
606-20-2	2,6-Dinitrotoluene	0.92	U	1	0.92	5.00	ug/L	11/03/25 13:21	PB170346
99-09-2	3-Nitroaniline	1.10	U	1	1.10	5.00	ug/L	11/03/25 13:21	PB170346
83-32-9	Acenaphthene	0.55	U	1	0.55	5.00	ug/L	11/03/25 13:21	PB170346
51-28-5	2,4-Dinitrophenol	6.00	U	1	6.00	10.0	ug/L	11/03/25 13:21	PB170346
100-02-7	4-Nitrophenol	2.40	U	1	2.40	10.0	ug/L	11/03/25 13:21	PB170346
132-64-9	Dibenzofuran	0.61	U	1	0.61	5.00	ug/L	11/03/25 13:21	PB170346
121-14-2	2,4-Dinitrotoluene	1.20	U	1	1.20	5.00	ug/L	11/03/25 13:21	PB170346
84-66-2	Diethylphthalate	0.69	U	1	0.69	5.00	ug/L	11/03/25 13:21	PB170346
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	1	0.68	5.00	ug/L	11/03/25 13:21	PB170346
86-73-7	Fluorene	0.63	U	1	0.63	5.00	ug/L	11/03/25 13:21	PB170346
100-01-6	4-Nitroaniline	1.50	U	1	1.50	5.00	ug/L	11/03/25 13:21	PB170346
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	1	2.90	10.0	ug/L	11/03/25 13:21	PB170346



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170346BL		SDG No.:	Q3495
Lab Sample ID:	PB170346BL		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	0.58	U	1	0.58	5.00	ug/L	11/03/25 13:21	PB170346
101-55-3	4-Bromophenyl-phenylether	0.40	U	1	0.40	5.00	ug/L	11/03/25 13:21	PB170346
118-74-1	Hexachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/03/25 13:21	PB170346
1912-24-9	Atrazine	1.00	U	1	1.00	5.00	ug/L	11/03/25 13:21	PB170346
87-86-5	Pentachlorophenol	1.60	U	1	1.60	10.0	ug/L	11/03/25 13:21	PB170346
85-01-8	Phenanthrene	0.50	U	1	0.50	5.00	ug/L	11/03/25 13:21	PB170346
120-12-7	Anthracene	0.61	U	1	0.61	5.00	ug/L	11/03/25 13:21	PB170346
86-74-8	Carbazole	0.72	U	1	0.72	5.00	ug/L	11/03/25 13:21	PB170346
84-74-2	Di-n-butylphthalate	1.20	U	1	1.20	5.00	ug/L	11/03/25 13:21	PB170346
206-44-0	Fluoranthene	0.82	U	1	0.82	5.00	ug/L	11/03/25 13:21	PB170346
129-00-0	Pyrene	0.50	U	1	0.50	5.00	ug/L	11/03/25 13:21	PB170346
85-68-7	Butylbenzylphthalate	1.90	U	1	1.90	5.00	ug/L	11/03/25 13:21	PB170346
91-94-1	3,3-Dichlorobenzidine	0.93	U	1	0.93	10.0	ug/L	11/03/25 13:21	PB170346
56-55-3	Benzo(a)anthracene	0.45	U	1	0.45	5.00	ug/L	11/03/25 13:21	PB170346
218-01-9	Chrysene	0.44	U	1	0.44	5.00	ug/L	11/03/25 13:21	PB170346
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1	1.60	5.00	ug/L	11/03/25 13:21	PB170346
117-84-0	Di-n-octyl phthalate	2.30	U	1	2.30	10.0	ug/L	11/03/25 13:21	PB170346
205-99-2	Benzo(b)fluoranthene	0.49	U	1	0.49	5.00	ug/L	11/03/25 13:21	PB170346
207-08-9	Benzo(k)fluoranthene	0.48	U	1	0.48	5.00	ug/L	11/03/25 13:21	PB170346
50-32-8	Benzo(a)pyrene	0.55	U	1	0.55	5.00	ug/L	11/03/25 13:21	PB170346
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	1	0.59	5.00	ug/L	11/03/25 13:21	PB170346
53-70-3	Dibenzo(a,h)anthracene	0.67	U	1	0.67	5.00	ug/L	11/03/25 13:21	PB170346
191-24-2	Benzo(g,h,i)perylene	0.69	U	1	0.69	5.00	ug/L	11/03/25 13:21	PB170346
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	1	0.52	5.00	ug/L	11/03/25 13:21	PB170346
123-91-1	1,4-Dioxane	1.00	U	1	1.00	5.00	ug/L	11/03/25 13:21	PB170346
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	1	0.72	5.00	ug/L	11/03/25 13:21	PB170346

SURROGATES

367-12-4	2-Fluorophenol	128		23 - 138	85%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.9		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.0		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	87.1		42 - 152	87%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	300000
1146-65-2	Naphthalene-d8	1150000
15067-26-2	Acenaphthene-d10	696000
1517-22-2	Phenanthrene-d10	1480000
1719-03-5	Chrysene-d12	1620000
1520-96-3	Perylene-d12	1770000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170346BL		SDG No.:	Q3495
Lab Sample ID:	PB170346BL		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date: 10/31/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

Quant Time: Nov 03 13:42:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.654	152	300167	20.000	ng	-0.04
21) Naphthalene-d8	10.431	136	1149841	20.000	ng	-0.02
39) Acenaphthene-d10	14.307	164	696390	20.000	ng	-0.01
64) Phenanthrene-d10	17.113	188	1482446	20.000	ng	-0.01
76) Chrysene-d12	21.577	240	1619683	20.000	ng	0.01
86) Perylene-d12	24.900	264	1773681	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.272	112	2326638	127.901	ng	-0.02
7) Phenol-d6	6.819	99	2823741	121.958	ng	-0.04
23) Nitrobenzene-d5	8.795	82	1584105	85.884	ng	-0.03
42) 2,4,6-Tribromophenol	15.830	330	974368	129.421	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	4022471	82.999	ng	-0.02
79) Terphenyl-d14	19.871	244	6941237	87.069	ng	0.00

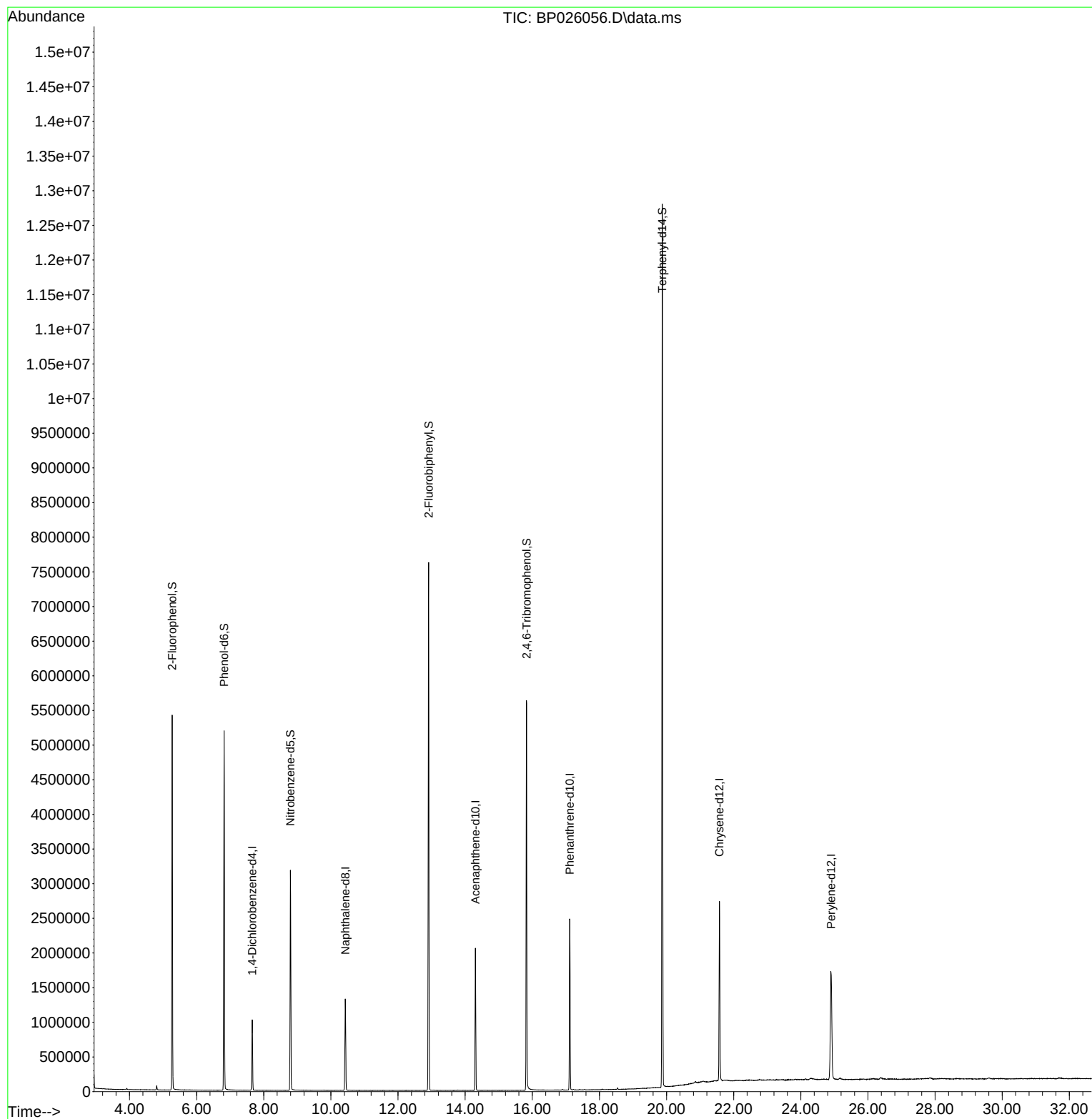
Target Compounds	Qvalue

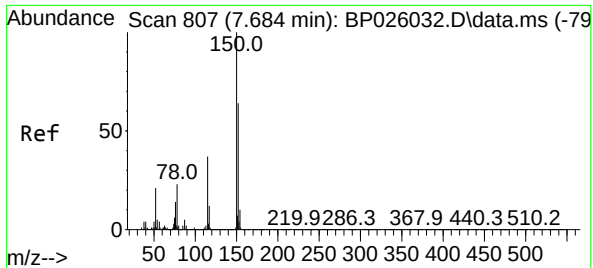
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

Quant Time: Nov 03 13:42:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration

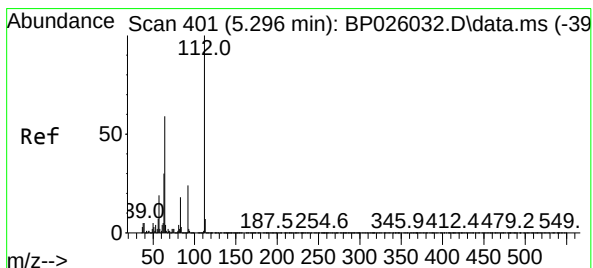
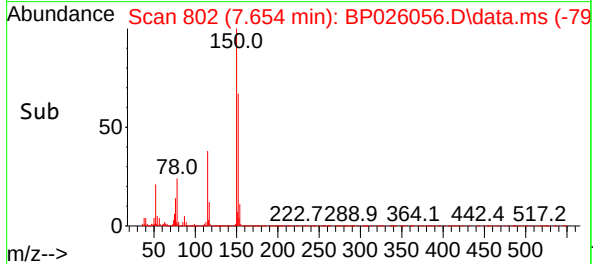
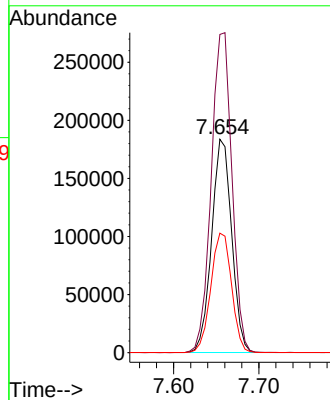
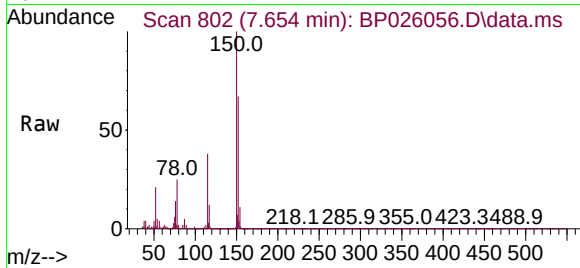




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.654 min Scan# 80
Delta R.T. -0.036 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

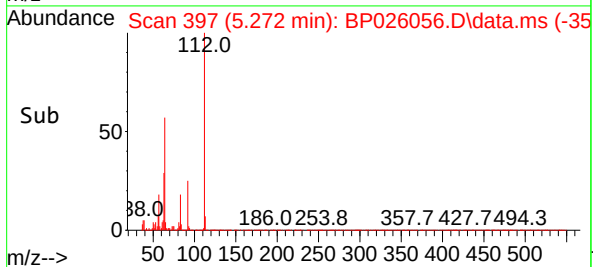
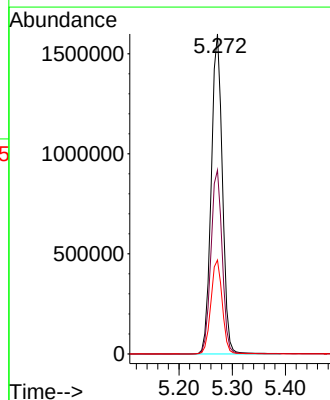
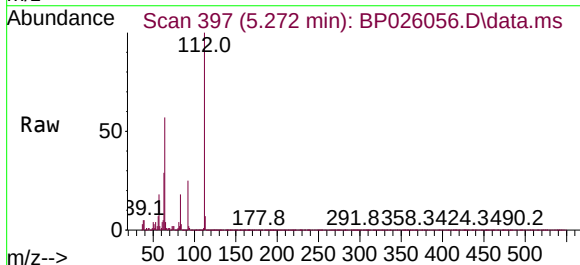
Instrument :
BNA_P
ClientSampleId :
PB170346BL

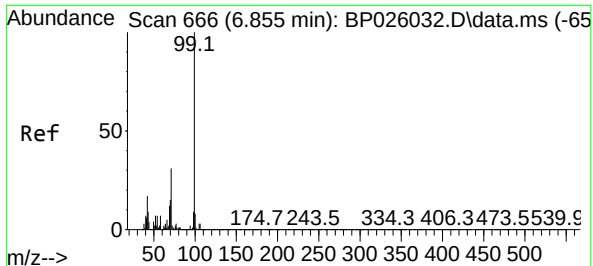
Tgt Ion:152 Resp: 300167
Ion Ratio Lower Upper
152 100
150 149.1 125.7 188.5
115 56.0 46.4 69.6



#5
2-Fluorophenol
Concen: 127.901 ng
RT: 5.272 min Scan# 397
Delta R.T. -0.024 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

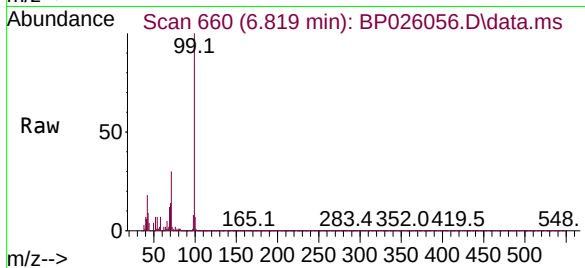
Tgt Ion:112 Resp: 2326638
Ion Ratio Lower Upper
112 100
64 57.4 47.4 71.2
63 29.3 24.2 36.4



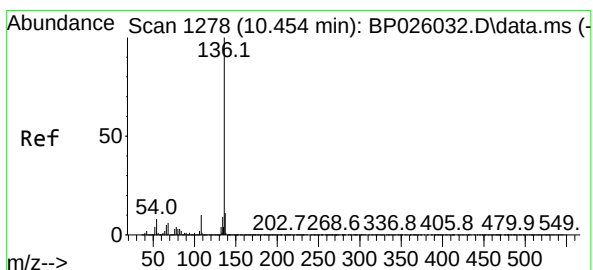
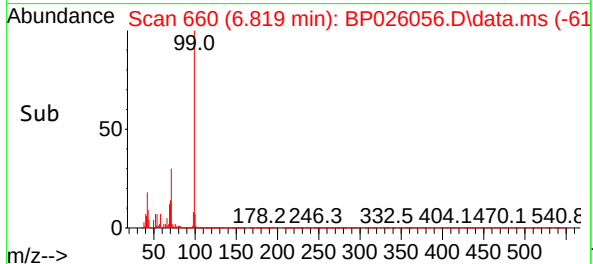
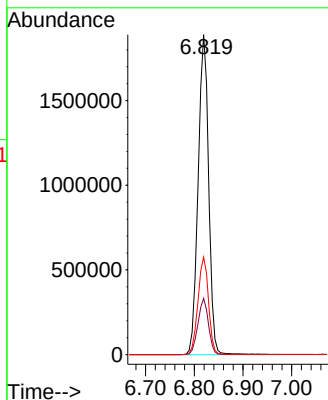


#7
Phenol-d6
Concen: 121.958 ng
RT: 6.819 min Scan# 60
Delta R.T. -0.035 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

Instrument :
BNA_P
ClientSampleId :
PB170346BL

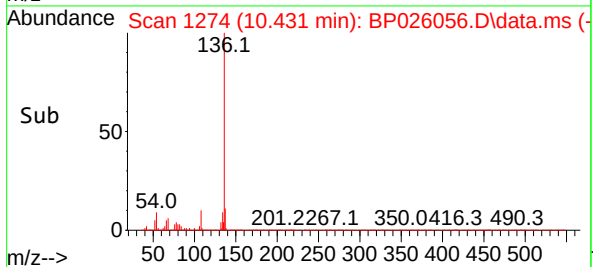
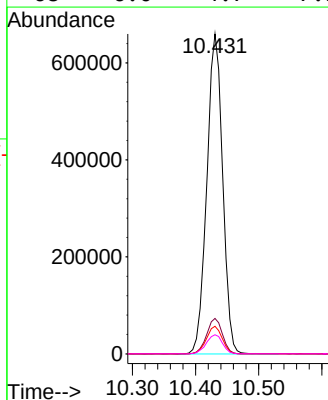
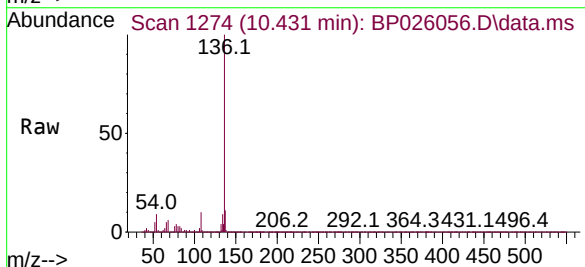


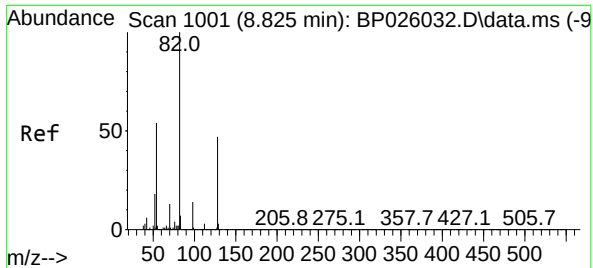
Tgt Ion: 99 Resp: 2823741
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 30.5 24.4 36.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.431 min Scan# 1274
Delta R.T. -0.023 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

Tgt Ion: 136 Resp: 1149841
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.6 6.6 10.0
68 6.0 4.7 7.1





#23

Nitrobenzene-d5

Concen: 85.884 ng

RT: 8.795 min Scan# 99

Delta R.T. -0.029 min

Lab File: BP026056.D

Acq: 03 Nov 2025 13:21

Instrument :

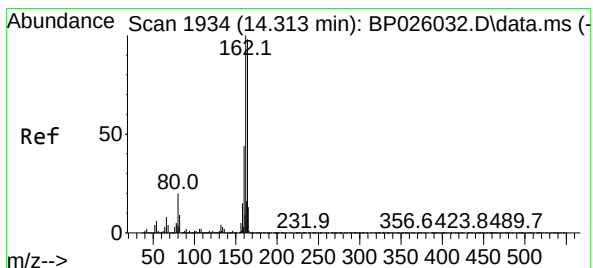
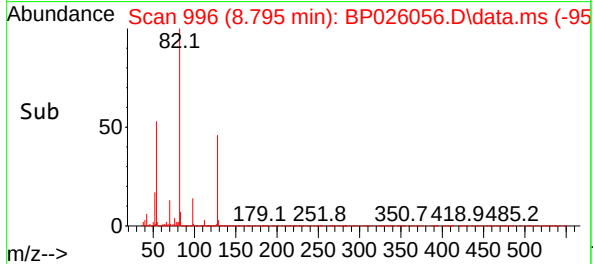
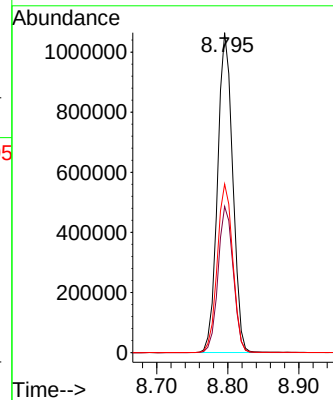
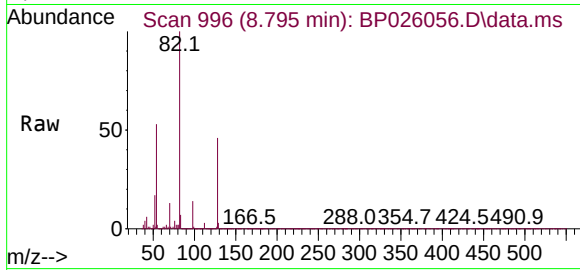
BNA_P

ClientSampleId :

PB170346BL

Tgt Ion: 82 Resp: 1584105

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.4	56.0
54	52.7	42.7	64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.307 min Scan# 1933

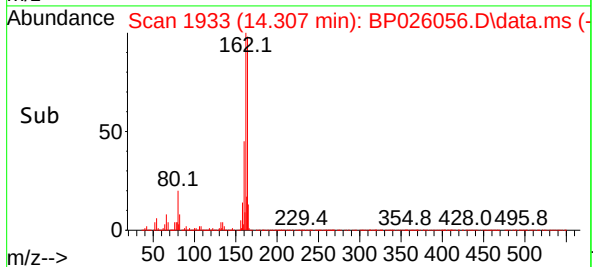
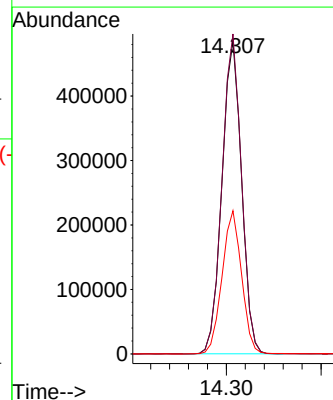
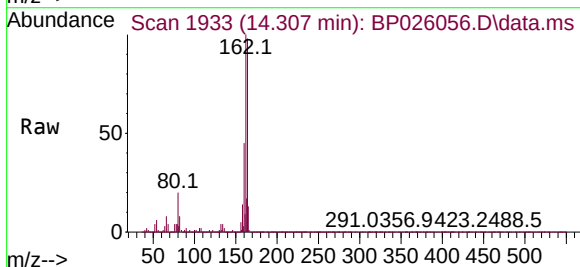
Delta R.T. -0.012 min

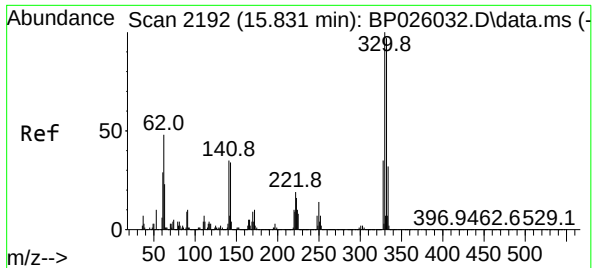
Lab File: BP026056.D

Acq: 03 Nov 2025 13:21

Tgt Ion:164 Resp: 696390

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.5	122.3
160	45.8	36.2	54.4

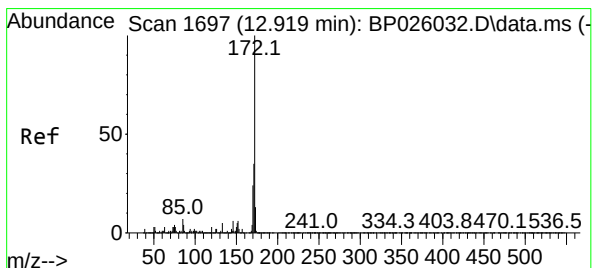
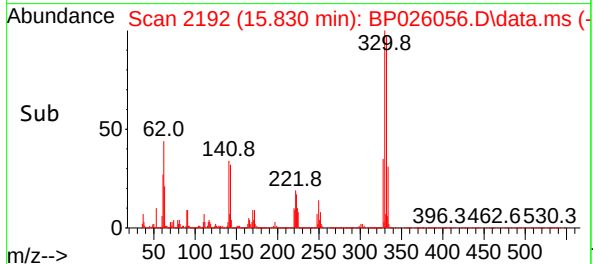
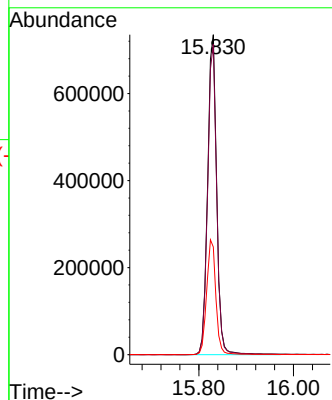
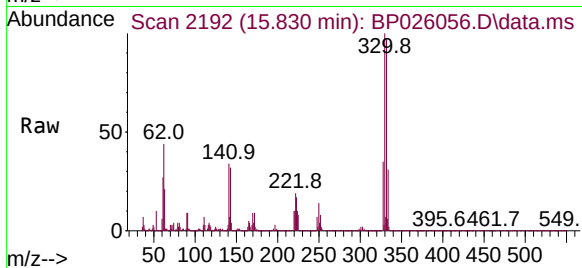




#42
 2,4,6-Tribromophenol
 Concen: 129.421 ng
 RT: 15.830 min Scan# 2192
 Delta R.T. -0.000 min
 Lab File: BP026056.D
 Acq: 03 Nov 2025 13:21

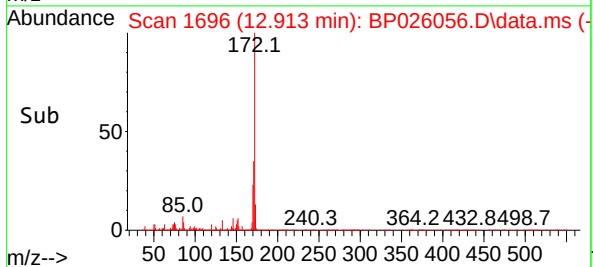
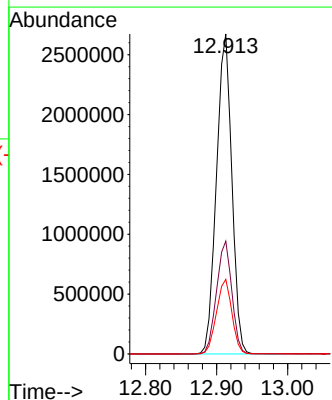
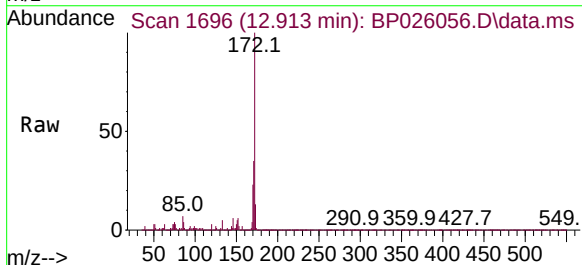
Instrument :
 BNA_P
 ClientSampleId :
 PB170346BL

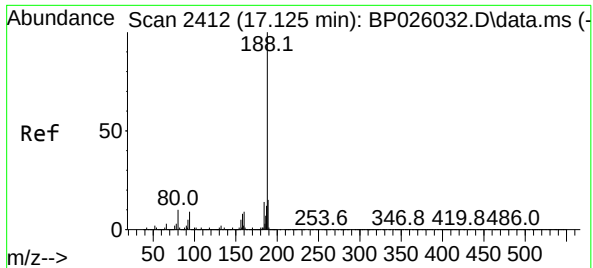
Tgt Ion: 330 Resp: 974368
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 36.6 28.6 42.8



#45
 2-Fluorobiphenyl
 Concen: 82.999 ng
 RT: 12.913 min Scan# 1696
 Delta R.T. -0.018 min
 Lab File: BP026056.D
 Acq: 03 Nov 2025 13:21

Tgt Ion: 172 Resp: 4022471
 Ion Ratio Lower Upper
 172 100
 171 35.3 27.9 41.9
 170 23.3 19.0 28.4

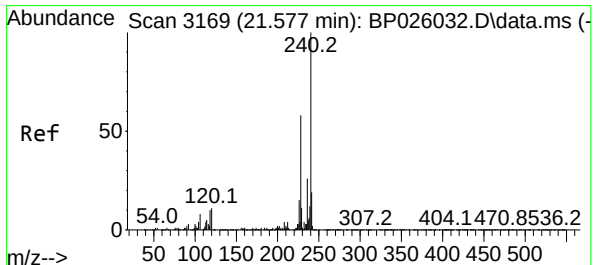
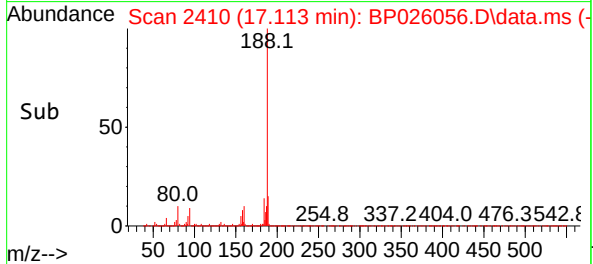
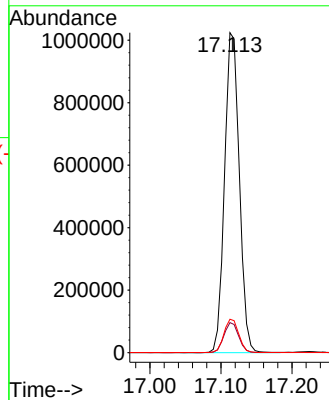
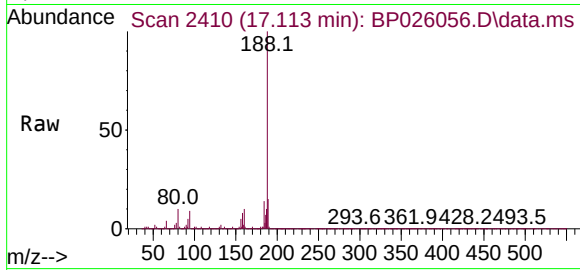




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.113 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

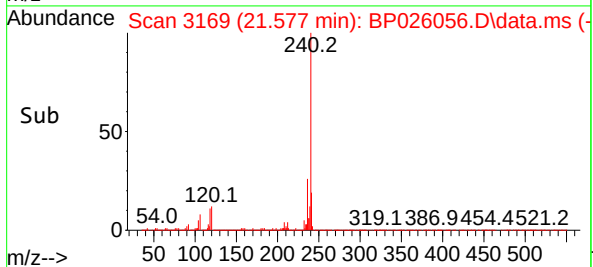
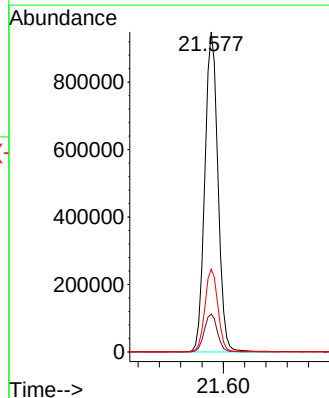
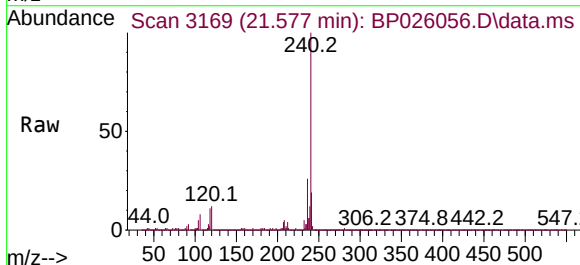
Instrument :
BNA_P
ClientSampleId :
PB170346BL

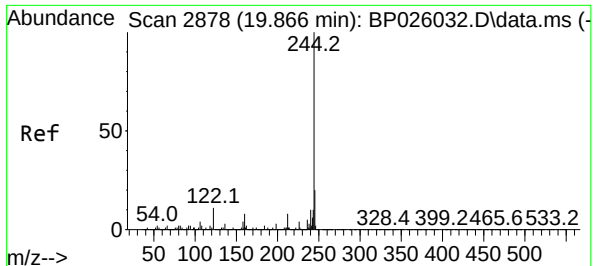
Tgt Ion:188 Resp: 1482446
Ion Ratio Lower Upper
188 100
94 9.4 7.1 10.7
80 10.4 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.577 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP026056.D
Acq: 03 Nov 2025 13:21

Tgt Ion:240 Resp: 1619683
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 25.8 20.6 31.0

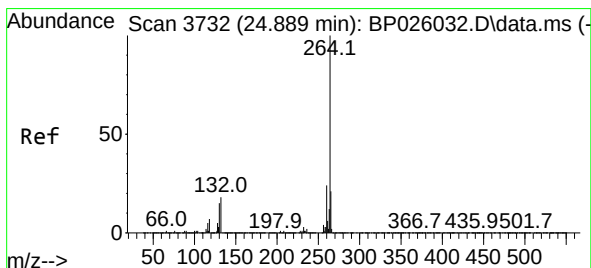
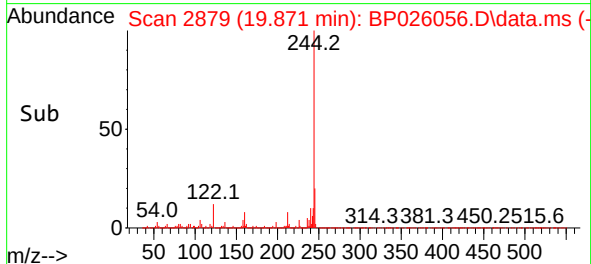
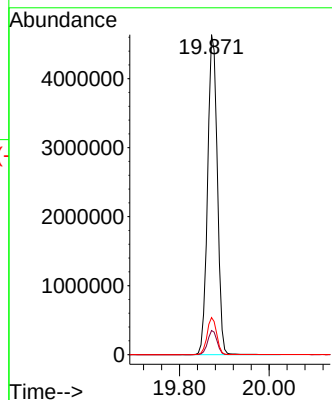
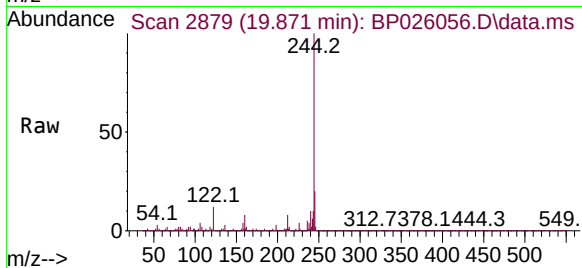




#79
 Terphenyl-d14
 Concen: 87.069 ng
 RT: 19.871 min Scan# 2878
 Delta R.T. 0.006 min
 Lab File: BP026056.D
 Acq: 03 Nov 2025 13:21

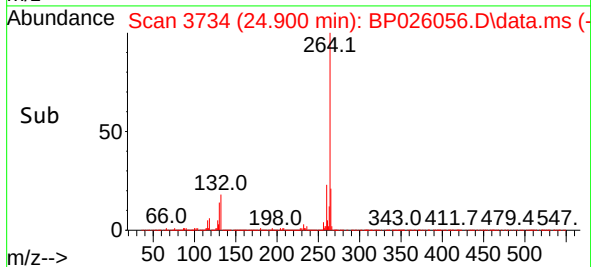
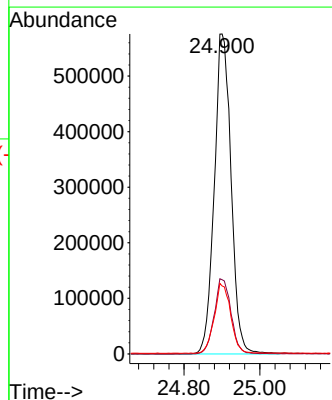
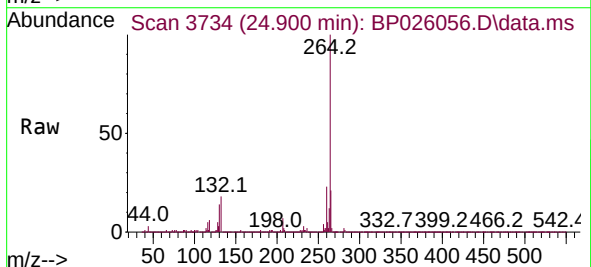
Instrument :
 BNA_P
 ClientSampleId :
 PB170346BL

Tgt Ion:244 Resp: 6941237
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 11.6 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.900 min Scan# 3734
 Delta R.T. 0.018 min
 Lab File: BP026056.D
 Acq: 03 Nov 2025 13:21

Tgt Ion:264 Resp: 1773681
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.2 17.2 25.8



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

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_P\Methods\8270E-BP102925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP026056.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.272	389	397	414	rBV	5413073	7923486	41.75%	10.070%
2	6.819	652	660	676	rBV	5186721	7838000	41.30%	9.961%
3	7.654	795	802	810	rBV	1017977	1707632	9.00%	2.170%
4	8.795	987	996	1011	rBV	3178746	4845683	25.53%	6.158%
5	10.431	1265	1274	1284	rBV	1320019	2305679	12.15%	2.930%
6	12.913	1688	1696	1707	rBV	7620379	11483154	60.50%	14.594%
7	14.307	1925	1933	1941	rBV	2054961	2968731	15.64%	3.773%
8	15.825	2184	2191	2210	rBV	5624761	7912305	41.69%	10.055%
9	17.113	2404	2410	2422	rBV2	2468950	3652627	19.25%	4.642%
10	19.871	2872	2879	2891	rBV	12745653	18979070	100.00%	24.120%
11	21.577	3162	3169	3182	rBV2	2586472	4399319	23.18%	5.591%
12	24.895	3724	3733	3749	rVB	1549113	4671005	24.61%	5.936%

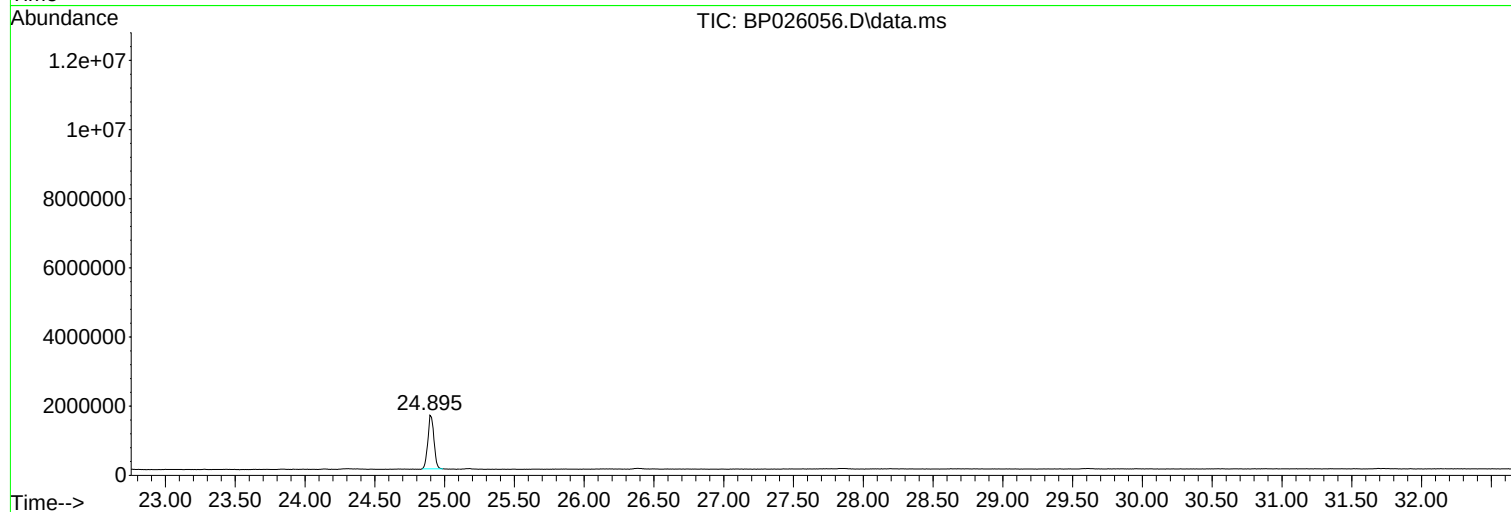
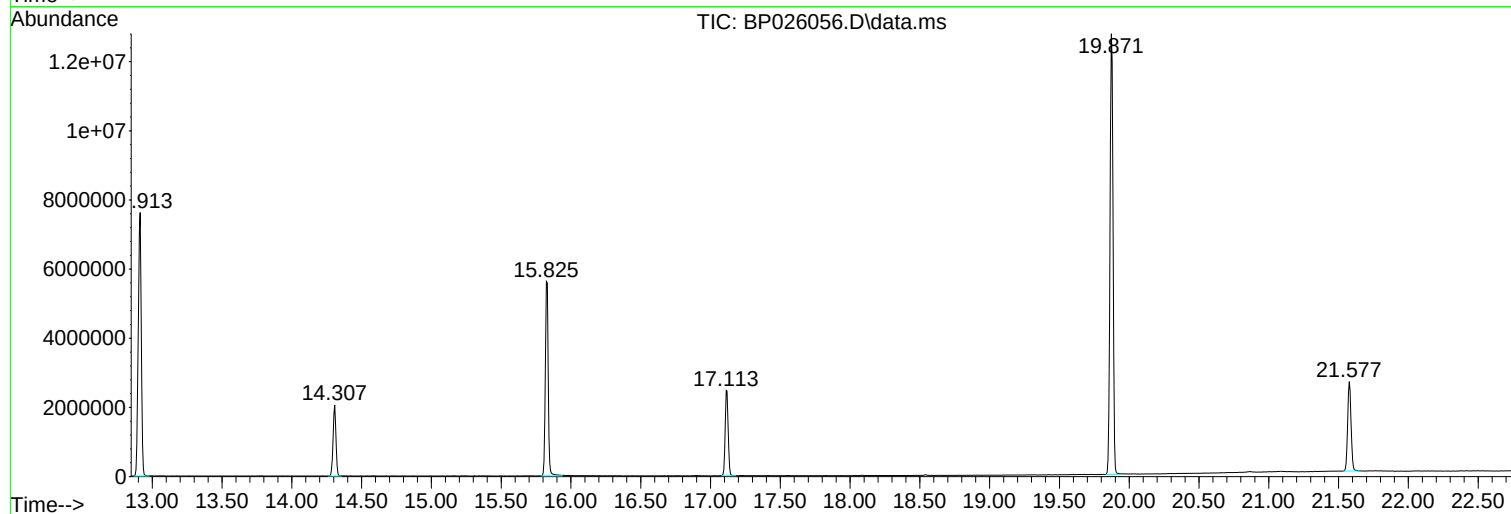
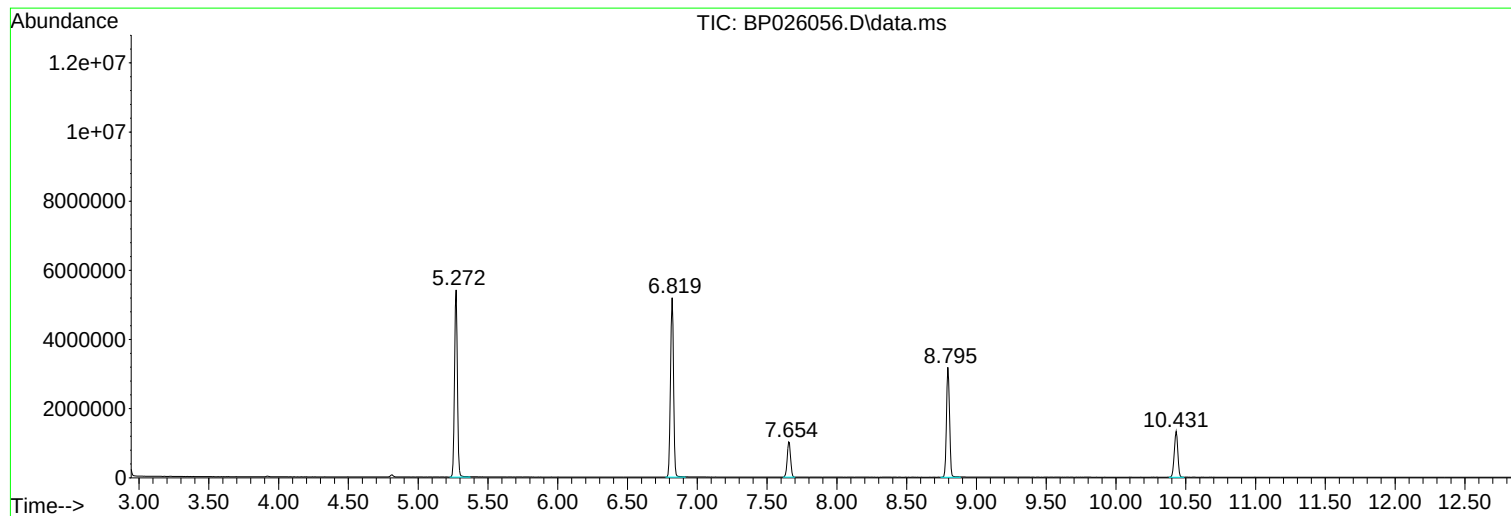
Sum of corrected areas: 78686691

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026056.D
Acq On : 03 Nov 2025 13:21
Operator : RC/JU
Sample : PB170346BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB170346BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.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	#	RT	Resp	Conc
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170342BS		SDG No.:	Q3495
Lab Sample ID:	PB170342BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	980		1	160	330	ug/Kg	11/03/25 12:29	PB170342
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	11/03/25 12:29	PB170342
111-44-4	bis(2-Chloroethyl)ether	1300		1	24.3	170	ug/Kg	11/03/25 12:29	PB170342
95-57-8	2-Chlorophenol	1400		1	24.4	170	ug/Kg	11/03/25 12:29	PB170342
95-48-7	2-Methylphenol	1400		1	29.9	170	ug/Kg	11/03/25 12:29	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	11/03/25 12:29	PB170342
98-86-2	Acetophenone	1500		1	29.5	170	ug/Kg	11/03/25 12:29	PB170342
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	11/03/25 12:29	PB170342
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	11/03/25 12:29	PB170342
67-72-1	Hexachloroethane	1300		1	17.6	170	ug/Kg	11/03/25 12:29	PB170342
98-95-3	Nitrobenzene	1400		1	18.3	170	ug/Kg	11/03/25 12:29	PB170342
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	11/03/25 12:29	PB170342
88-75-5	2-Nitrophenol	1400		1	58.2	170	ug/Kg	11/03/25 12:29	PB170342
105-67-9	2,4-Dimethylphenol	1600		1	64.8	170	ug/Kg	11/03/25 12:29	PB170342
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	11/03/25 12:29	PB170342
120-83-2	2,4-Dichlorophenol	1500		1	28.3	170	ug/Kg	11/03/25 12:29	PB170342
91-20-3	Naphthalene	1300		1	22.7	170	ug/Kg	11/03/25 12:29	PB170342
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	11/03/25 12:29	PB170342
87-68-3	Hexachlorobutadiene	1300		1	25.3	170	ug/Kg	11/03/25 12:29	PB170342
105-60-2	Caprolactam	1500		1	52.1	330	ug/Kg	11/03/25 12:29	PB170342
59-50-7	4-Chloro-3-methylphenol	1500		1	28.7	170	ug/Kg	11/03/25 12:29	PB170342
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	11/03/25 12:29	PB170342
77-47-4	Hexachlorocyclopentadiene	3600	E	1	120	330	ug/Kg	11/03/25 12:29	PB170342
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	11/03/25 12:29	PB170342
95-95-4	2,4,5-Trichlorophenol	1500		1	29.1	170	ug/Kg	11/03/25 12:29	PB170342
92-52-4	1,1-Biphenyl	1500		1	21.8	170	ug/Kg	11/03/25 12:29	PB170342
91-58-7	2-Chloronaphthalene	1300		1	22.5	170	ug/Kg	11/03/25 12:29	PB170342
88-74-4	2-Nitroaniline	1400		1	48.1	170	ug/Kg	11/03/25 12:29	PB170342
131-11-3	Dimethylphthalate	1400		1	27.1	170	ug/Kg	11/03/25 12:29	PB170342
208-96-8	Acenaphthylene	1600		1	28.9	170	ug/Kg	11/03/25 12:29	PB170342
606-20-2	2,6-Dinitrotoluene	1600		1	33.6	170	ug/Kg	11/03/25 12:29	PB170342
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	11/03/25 12:29	PB170342
83-32-9	Acenaphthene	1300		1	21.3	170	ug/Kg	11/03/25 12:29	PB170342
51-28-5	2,4-Dinitrophenol	2900	E	1	230	330	ug/Kg	11/03/25 12:29	PB170342
100-02-7	4-Nitrophenol	2900	E	1	110	330	ug/Kg	11/03/25 12:29	PB170342
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	11/03/25 12:29	PB170342
121-14-2	2,4-Dinitrotoluene	1500		1	50.1	170	ug/Kg	11/03/25 12:29	PB170342
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	11/03/25 12:29	PB170342
7005-72-3	4-Chlorophenyl-phenylether	1300		1	26.7	170	ug/Kg	11/03/25 12:29	PB170342
86-73-7	Fluorene	1400		1	25.3	170	ug/Kg	11/03/25 12:29	PB170342
100-01-6	4-Nitroaniline	1500		1	64.2	170	ug/Kg	11/03/25 12:29	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	1500		1	100	330	ug/Kg	11/03/25 12:29	PB170342



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170342BS		SDG No.:	Q3495
Lab Sample ID:	PB170342BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1400		1	32.9	170	ug/Kg	11/03/25 12:29	PB170342
101-55-3	4-Bromophenyl-phenylether	1400		1	27.8	170	ug/Kg	11/03/25 12:29	PB170342
118-74-1	Hexachlorobenzene	1400		1	25.3	170	ug/Kg	11/03/25 12:29	PB170342
1912-24-9	Atrazine	1500		1	34.0	170	ug/Kg	11/03/25 12:29	PB170342
87-86-5	Pentachlorophenol	2900	E	1	51.3	330	ug/Kg	11/03/25 12:29	PB170342
85-01-8	Phenanthrene	1400		1	20.9	170	ug/Kg	11/03/25 12:29	PB170342
120-12-7	Anthracene	1400		1	33.3	170	ug/Kg	11/03/25 12:29	PB170342
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	11/03/25 12:29	PB170342
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	11/03/25 12:29	PB170342
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	11/03/25 12:29	PB170342
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	11/03/25 12:29	PB170342
85-68-7	Butylbenzylphthalate	1500		1	71.4	170	ug/Kg	11/03/25 12:29	PB170342
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	11/03/25 12:29	PB170342
56-55-3	Benzo(a)anthracene	1400		1	23.0	170	ug/Kg	11/03/25 12:29	PB170342
218-01-9	Chrysene	1400		1	19.9	170	ug/Kg	11/03/25 12:29	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	1500		1	59.2	170	ug/Kg	11/03/25 12:29	PB170342
117-84-0	Di-n-octyl phthalate	1600		1	86.7	330	ug/Kg	11/03/25 12:29	PB170342
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	11/03/25 12:29	PB170342
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	11/03/25 12:29	PB170342
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	11/03/25 12:29	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	11/03/25 12:29	PB170342
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	11/03/25 12:29	PB170342
191-24-2	Benzo(g,h,i)perylene	1600		1	25.7	170	ug/Kg	11/03/25 12:29	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		1	25.6	170	ug/Kg	11/03/25 12:29	PB170342
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	11/03/25 12:29	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	1600		1	27.4	170	ug/Kg	11/03/25 12:29	PB170342

SURROGATES

367-12-4	2-Fluorophenol	121		18 - 112	80%	SPK: 150
13127-88-3	Phenol-d6	121		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.2		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.7		20 - 109	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	80.8		10 - 105	81%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	329000
1146-65-2	Naphthalene-d8	1320000
15067-26-2	Acenaphthene-d10	832000
1517-22-2	Phenanthrene-d10	1710000
1719-03-5	Chrysene-d12	1770000
1520-96-3	Perylene-d12	1830000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170342BS		SDG No.:	Q3495
Lab Sample ID:	PB170342BS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

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_P\Data\BP110325\
 Data File : BP026055.D
 Acq On : 03 Nov 2025 12:29
 Operator : RC/JU
 Sample : PB170342BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170342BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 12:49:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	329449	20.000	ng	0.00
21) Naphthalene-d8	10.448	136	1315436	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	832110	20.000	ng	0.00
64) Phenanthrene-d10	17.124	188	1709092	20.000	ng	0.00
76) Chrysene-d12	21.571	240	1770074	20.000	ng	0.00
86) Perylene-d12	24.883	264	1828889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2408959	120.657	ng	0.00
7) Phenol-d6	6.854	99	3068817	120.762	ng	0.00
23) Nitrobenzene-d5	8.813	82	1672007	79.238	ng	-0.01
42) 2,4,6-Tribromophenol	15.830	330	1144716	127.248	ng	0.00
45) 2-Fluorobiphenyl	12.925	172	4443281	76.728	ng	0.00
79) Terphenyl-d14	19.860	244	7039206	80.796	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	283255	33.654	ng	99
3) Pyridine	3.619	79	774089	32.352	ng	99
4) n-Nitrosodimethylamine	3.531	42	400066	41.718	ng	99
6) Aniline	7.007	93	1067227	31.467	ng	99
8) 2-Chlorophenol	7.248	128	937249	42.393	ng	99
9) Benzaldehyde	6.825	77	390044	29.526	ng	97
10) Phenol	6.878	94	1184903	42.000	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	887534	39.863	ng	100
12) 1,3-Dichlorobenzene	7.572	146	1027435	40.466	ng	99
13) 1,4-Dichlorobenzene	7.719	146	1044870	40.702	ng	99
14) 1,2-Dichlorobenzene	8.025	146	1007967	41.148	ng	99
15) Benzyl Alcohol	7.907	79	761818	41.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.207	45	1337989	39.763	ng	99
17) 2-Methylphenol	8.113	107	798333	43.215	ng	99
18) Hexachloroethane	8.754	117	350595	39.911	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	646070	40.956	ng	99
20) 3+4-Methylphenols	8.431	107	1079799	42.016	ng	98
22) Acetophenone	8.490	105	1503706	45.200	ng	# 98
24) Nitrobenzene	8.854	77	924984	41.518	ng	100
25) Isophorone	9.384	82	1868809	41.377	ng	100
26) 2-Nitrophenol	9.560	139	353218	43.347	ng	97
27) 2,4-Dimethylphenol	9.625	122	899639	47.367	ng	98
28) bis(2-Chloroethoxy)met...	9.860	93	1174041	41.247	ng	100
29) 2,4-Dichlorophenol	10.095	162	892420	44.501	ng	98
30) 1,2,4-Trichlorobenzene	10.313	180	931974	42.757	ng	99
31) Naphthalene	10.495	128	2876816	40.104	ng	100
32) Benzoic acid	9.760	122	585840	50.129	ng	97
33) 4-Chloroaniline	10.595	127	654978	23.761	ng	99
34) Hexachlorobutadiene	10.795	225	549510	39.672	ng	99
35) Caprolactam	11.354	113	308247	43.771	ng	97
36) 4-Chloro-3-methylphenol	11.731	107	963519	45.833	ng	99
37) 2-Methylnaphthalene	12.119	142	1889260	37.630	ng	99
38) 1-Methylnaphthalene	12.336	142	1943253	39.841	ng	99
40) 1,2,4,5-Tetrachloroben...	12.489	216	1124560	43.495	ng	99
41) Hexachlorocyclopentadiene	12.478	237	1034107	109.317	ng	97
43) 2,4,6-Trichlorophenol	12.725	196	699158	45.750	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026055.D
 Acq On : 03 Nov 2025 12:29
 Operator : RC/JU
 Sample : PB170342BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170342BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 12:49:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	782362	44.865	ng	98
46) 1,1'-Biphenyl	13.142	154	2932813	46.030	ng	99
47) 2-Chloronaphthalene	13.178	162	2022474	40.344	ng	99
48) 2-Nitroaniline	13.372	65	546019	42.668	ng	97
49) Acenaphthylene	14.030	152	3520430	48.182	ng	100
50) Dimethylphthalate	13.778	163	2627245	43.407	ng	100
51) 2,6-Dinitrotoluene	13.883	165	527528	46.762	ng	97
52) Acenaphthene	14.383	154	1970069	39.276	ng	99
53) 3-Nitroaniline	14.213	138	440992	33.201	ng	97
54) 2,4-Dinitrophenol	14.419	184	471142	85.796	ng	97
55) Dibenzofuran	14.725	168	3178911	41.947	ng	99
56) 4-Nitrophenol	14.525	139	1061781	87.974	ng	99
57) 2,4-Dinitrotoluene	14.683	165	753629	45.562	ng	96
58) Fluorene	15.389	166	2512494	42.317	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	657474	47.953	ng	98
60) Diethylphthalate	15.166	149	2674664	43.956	ng	100
61) 4-Chlorophenyl-phenyle...	15.383	204	1201482	40.523	ng	99
62) 4-Nitroaniline	15.389	138	590248	45.636	ng	98
63) Azobenzene	15.683	77	2443729	44.313	ng	99
65) 4,6-Dinitro-2-methylph...	15.460	198	316195	46.272	ng	98
66) n-Nitrosodiphenylamine	15.601	169	2302748	43.093	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	793370	41.848	ng	99
68) Hexachlorobenzene	16.413	284	884971	41.005	ng	100
69) Atrazine	16.583	200	828455	45.957	ng	98
70) Pentachlorophenol	16.771	266	1153570	87.507	ng	99
71) Phenanthrene	17.171	178	4148480	41.703	ng	100
72) Anthracene	17.266	178	4215169	42.747	ng	100
73) Carbazole	17.542	167	4083450	43.747	ng	100
74) Di-n-butylphthalate	18.148	149	4650026	44.520	ng	99
75) Fluoranthene	19.260	202	4902547	42.248	ng	99
77) Benzidine	19.448	184	1809475	40.274	ng	100
78) Pyrene	19.636	202	5157748	43.083	ng	99
80) Butylbenzylphthalate	20.601	149	1959954	44.143	ng	100
81) Benzo(a)anthracene	21.554	228	5206614	42.805	ng	100
82) 3,3'-Dichlorobenzidine	21.471	252	1335292	34.072	ng	100
83) Chrysene	21.624	228	4816791	41.805	ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	3094740	43.632	ng	100
85) Di-n-octyl phthalate	22.795	149	5027554	47.713	ng	100
87) Indeno(1,2,3-cd)pyrene	28.653	276	6115341m	45.292	ng	
88) Benzo(b)fluoranthene	23.836	252	5061611	44.581	ng	99
89) Benzo(k)fluoranthene	23.912	252	5281034	45.550	ng	100
90) Benzo(a)pyrene	24.730	252	4886310	46.846	ng	99
91) Dibenzo(a,h)anthracene	28.747	278	5044039	45.905	ng	99
92) Benzo(g,h,i)perylene	29.824	276	4967575	46.981	ng	98

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

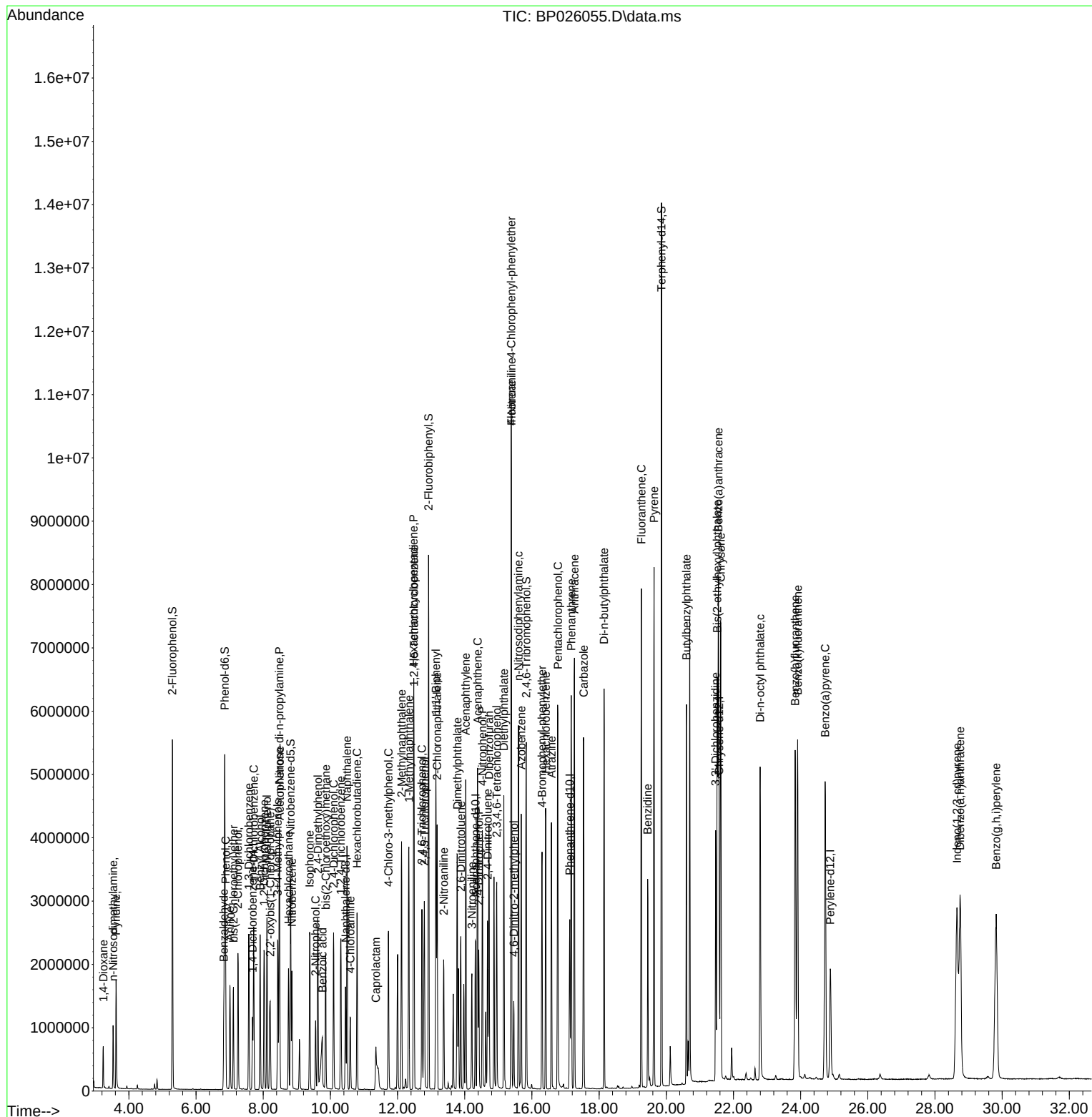

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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\  
Data File : BP026055.D  
Acq On    : 03 Nov 2025 12:29  
Operator  : RC/JU  
Sample    : PB170342BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
PB170342BS

Manual Integrations

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 12:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:	
Project: Maclearie Park	Date Received:	
Client Sample ID: PB170346BS	SDG No.:	Q3495
Lab Sample ID: PB170346BS	Matrix:	Water
Analytical Method: 8270E	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	SVOC-TCL BNA -20
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	31.5		1	3.90	10.0	ug/L	11/03/25 14:03	PB170346
108-95-2	Phenol	41.9		1	0.91	5.00	ug/L	11/03/25 14:03	PB170346
111-44-4	bis(2-Chloroethyl)ether	39.3		1	0.81	5.00	ug/L	11/03/25 14:03	PB170346
95-57-8	2-Chlorophenol	42.8		1	0.58	5.00	ug/L	11/03/25 14:03	PB170346
95-48-7	2-Methylphenol	42.7		1	1.10	5.00	ug/L	11/03/25 14:03	PB170346
108-60-1	2,2-oxybis(1-Chloropropane)	39.2		1	1.30	5.00	ug/L	11/03/25 14:03	PB170346
98-86-2	Acetophenone	45.3		1	0.74	5.00	ug/L	11/03/25 14:03	PB170346
65794-96-9	3+4-Methylphenols	41.8		1	1.10	10.0	ug/L	11/03/25 14:03	PB170346
621-64-7	n-Nitroso-di-n-propylamine	40.4		1	1.40	2.50	ug/L	11/03/25 14:03	PB170346
67-72-1	Hexachloroethane	39.8		1	0.65	5.00	ug/L	11/03/25 14:03	PB170346
98-95-3	Nitrobenzene	42.1		1	0.76	5.00	ug/L	11/03/25 14:03	PB170346
78-59-1	Isophorone	41.2		1	0.75	5.00	ug/L	11/03/25 14:03	PB170346
88-75-5	2-Nitrophenol	46.6		1	1.80	5.00	ug/L	11/03/25 14:03	PB170346
105-67-9	2,4-Dimethylphenol	47.9		1	1.90	5.00	ug/L	11/03/25 14:03	PB170346
111-91-1	bis(2-Chloroethoxy)methane	41.5		1	0.68	5.00	ug/L	11/03/25 14:03	PB170346
120-83-2	2,4-Dichlorophenol	44.5		1	0.52	5.00	ug/L	11/03/25 14:03	PB170346
91-20-3	Naphthalene	40.0		1	0.50	5.00	ug/L	11/03/25 14:03	PB170346
106-47-8	4-Chloroaniline	26.1		1	0.84	5.00	ug/L	11/03/25 14:03	PB170346
87-68-3	Hexachlorobutadiene	39.5		1	0.54	5.00	ug/L	11/03/25 14:03	PB170346
105-60-2	Caprolactam	42.6		1	1.10	10.0	ug/L	11/03/25 14:03	PB170346
59-50-7	4-Chloro-3-methylphenol	45.1		1	0.59	5.00	ug/L	11/03/25 14:03	PB170346
91-57-6	2-Methylnaphthalene	36.6		1	0.56	5.00	ug/L	11/03/25 14:03	PB170346
77-47-4	Hexachlorocyclopentadiene	110	E	1	3.60	10.0	ug/L	11/03/25 14:03	PB170346
88-06-2	2,4,6-Trichlorophenol	46.0		1	0.51	5.00	ug/L	11/03/25 14:03	PB170346
95-95-4	2,4,5-Trichlorophenol	45.3		1	0.62	5.00	ug/L	11/03/25 14:03	PB170346
92-52-4	1,1-Biphenyl	45.1		1	0.53	5.00	ug/L	11/03/25 14:03	PB170346
91-58-7	2-Chloronaphthalene	40.1		1	0.61	5.00	ug/L	11/03/25 14:03	PB170346
88-74-4	2-Nitroaniline	43.1		1	1.30	5.00	ug/L	11/03/25 14:03	PB170346
131-11-3	Dimethylphthalate	42.3		1	0.61	5.00	ug/L	11/03/25 14:03	PB170346
208-96-8	Acenaphthylene	47.6		1	0.75	5.00	ug/L	11/03/25 14:03	PB170346
606-20-2	2,6-Dinitrotoluene	46.9		1	0.92	5.00	ug/L	11/03/25 14:03	PB170346
99-09-2	3-Nitroaniline	33.5		1	1.10	5.00	ug/L	11/03/25 14:03	PB170346
83-32-9	Acenaphthene	44.6		1	0.55	5.00	ug/L	11/03/25 14:03	PB170346
51-28-5	2,4-Dinitrophenol	89.4	E	1	6.00	10.0	ug/L	11/03/25 14:03	PB170346
100-02-7	4-Nitrophenol	86.1	E	1	2.40	10.0	ug/L	11/03/25 14:03	PB170346
132-64-9	Dibenzofuran	41.0		1	0.61	5.00	ug/L	11/03/25 14:03	PB170346
121-14-2	2,4-Dinitrotoluene	45.6		1	1.20	5.00	ug/L	11/03/25 14:03	PB170346
84-66-2	Diethylphthalate	42.3		1	0.69	5.00	ug/L	11/03/25 14:03	PB170346
7005-72-3	4-Chlorophenyl-phenylether	40.1		1	0.68	5.00	ug/L	11/03/25 14:03	PB170346
86-73-7	Fluorene	41.1		1	0.63	5.00	ug/L	11/03/25 14:03	PB170346
100-01-6	4-Nitroaniline	46.1		1	1.50	5.00	ug/L	11/03/25 14:03	PB170346
534-52-1	4,6-Dinitro-2-methylphenol	50.3		1	2.90	10.0	ug/L	11/03/25 14:03	PB170346

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:	
Project: Maclearie Park	Date Received:	
Client Sample ID: PB170346BS	SDG No.:	Q3495
Lab Sample ID: PB170346BS	Matrix:	Water
Analytical Method: 8270E	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	SVOC-TCL BNA -20
Prep Method : 3510C	Level: LOW	
	Final Vol: 1000 uL	
	Prep Date: 10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.5		1	0.58	5.00	ug/L	11/03/25 14:03	PB170346
101-55-3	4-Bromophenyl-phenylether	42.6		1	0.40	5.00	ug/L	11/03/25 14:03	PB170346
118-74-1	Hexachlorobenzene	41.5		1	0.52	5.00	ug/L	11/03/25 14:03	PB170346
1912-24-9	Atrazine	46.3		1	1.00	5.00	ug/L	11/03/25 14:03	PB170346
87-86-5	Pentachlorophenol	90.1	E	1	1.60	10.0	ug/L	11/03/25 14:03	PB170346
85-01-8	Phenanthrene	41.4		1	0.50	5.00	ug/L	11/03/25 14:03	PB170346
120-12-7	Anthracene	42.7		1	0.61	5.00	ug/L	11/03/25 14:03	PB170346
86-74-8	Carbazole	43.3		1	0.72	5.00	ug/L	11/03/25 14:03	PB170346
84-74-2	Di-n-butylphthalate	44.2		1	1.20	5.00	ug/L	11/03/25 14:03	PB170346
206-44-0	Fluoranthene	41.4		1	0.82	5.00	ug/L	11/03/25 14:03	PB170346
129-00-0	Pyrene	42.2		1	0.50	5.00	ug/L	11/03/25 14:03	PB170346
85-68-7	Butylbenzylphthalate	45.0		1	1.90	5.00	ug/L	11/03/25 14:03	PB170346
91-94-1	3,3-Dichlorobenzidine	33.1		1	0.93	10.0	ug/L	11/03/25 14:03	PB170346
56-55-3	Benzo(a)anthracene	42.1		1	0.45	5.00	ug/L	11/03/25 14:03	PB170346
218-01-9	Chrysene	41.3		1	0.44	5.00	ug/L	11/03/25 14:03	PB170346
117-81-7	Bis(2-ethylhexyl)phthalate	42.6		1	1.60	5.00	ug/L	11/03/25 14:03	PB170346
117-84-0	Di-n-octyl phthalate	48.0		1	2.30	10.0	ug/L	11/03/25 14:03	PB170346
205-99-2	Benzo(b)fluoranthene	43.6		1	0.49	5.00	ug/L	11/03/25 14:03	PB170346
207-08-9	Benzo(k)fluoranthene	43.6		1	0.48	5.00	ug/L	11/03/25 14:03	PB170346
50-32-8	Benzo(a)pyrene	45.8		1	0.55	5.00	ug/L	11/03/25 14:03	PB170346
193-39-5	Indeno(1,2,3-cd)pyrene	44.0		1	0.59	5.00	ug/L	11/03/25 14:03	PB170346
53-70-3	Dibenzo(a,h)anthracene	44.6		1	0.67	5.00	ug/L	11/03/25 14:03	PB170346
191-24-2	Benzo(g,h,i)perylene	45.2		1	0.69	5.00	ug/L	11/03/25 14:03	PB170346
95-94-3	1,2,4,5-Tetrachlorobenzene	43.1		1	0.52	5.00	ug/L	11/03/25 14:03	PB170346
123-91-1	1,4-Dioxane	33.2		1	1.00	5.00	ug/L	11/03/25 14:03	PB170346
58-90-2	2,3,4,6-Tetrachlorophenol	48.6		1	0.72	5.00	ug/L	11/03/25 14:03	PB170346

SURROGATES

367-12-4	2-Fluorophenol	119		23 - 138	79%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.6		67 - 132	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9		52 - 132	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		44 - 137	82%	SPK: 150
1718-51-0	Terphenyl-d14	77.6		42 - 152	78%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	413000
1146-65-2	Naphthalene-d8	1640000
15067-26-2	Acenaphthene-d10	1030000
1517-22-2	Phenanthrene-d10	2030000
1719-03-5	Chrysene-d12	2080000
1520-96-3	Perylene-d12	2250000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170346BS		SDG No.:	Q3495
Lab Sample ID:	PB170346BS		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date: 10/31/25		

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_P\Data\BP110325\
 Data File : BP026057.D
 Acq On : 03 Nov 2025 14:03
 Operator : RC/JU
 Sample : PB170346BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

PB170346BS

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

11/04/2025

Supervised By :mohammad
ahmed

11/06/2025

Supervised By :mohammad
ahmed

11/06/2025

Quant Time: Nov 03 14:23:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 30 11:51:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	413469	20.000	ng	0.00
21) Naphthalene-d8	10.448	136	1637380	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	1028881	20.000	ng	0.00
64) Phenanthrene-d10	17.130	188	2027304	20.000	ng	0.00
76) Chrysene-d12	21.571	240	2076514	20.000	ng	0.00
86) Perylene-d12	24.895	264	2253084	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2978067	118.851	ng	0.00
7) Phenol-d6	6.855	99	3763455	118.003	ng	0.00
23) Nitrobenzene-d5	8.813	82	2089943	79.570	ng	-0.01
42) 2,4,6-Tribromophenol	15.842	330	1372544	123.395	ng	0.01
45) 2-Fluorobiphenyl	12.931	172	5359966	74.857	ng	0.00
79) Terphenyl-d14	19.866	244	7929727	77.585	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.237	88	350992	33.227	ng	99
3) Pyridine	3.619	79	976319	32.513	ng	98
4) n-Nitrosodimethylamine	3.537	42	503504	41.835	ng	97
6) Aniline	7.013	93	1407319	33.063	ng	100
8) 2-Chlorophenol	7.255	128	1188164	42.821	ng	99
9) Benzaldehyde	6.831	77	522361	31.507	ng	97
10) Phenol	6.878	94	1484026	41.913	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	1099192	39.338	ng	99
12) 1,3-Dichlorobenzene	7.572	146	1279343	40.148	ng	98
13) 1,4-Dichlorobenzene	7.719	146	1304870	40.501	ng	100
14) 1,2-Dichlorobenzene	8.031	146	1245514	40.513	ng	99
15) Benzyl Alcohol	7.913	79	964164	41.935	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1654572	39.179	ng	99
17) 2-Methylphenol	8.113	107	990544	42.724	ng	100
18) Hexachloroethane	8.749	117	438887	39.810	ng	95
19) n-Nitroso-di-n-propyla...	8.478	70	800347	40.426	ng	99
20) 3+4-Methylphenols	8.437	107	1348471	41.808	ng	99
22) Acetophenone	8.490	105	1877199	45.332	ng	# 99
24) Nitrobenzene	8.860	77	1166891	42.078	ng	99
25) Isophorone	9.390	82	2315399	41.185	ng	100
26) 2-Nitrophenol	9.566	139	474639	46.582	ng	98
27) 2,4-Dimethylphenol	9.631	122	1132373	47.898	ng	98
28) bis(2-Chloroethoxy)met...	9.866	93	1468692	41.453	ng	100
29) 2,4-Dichlorophenol	10.096	162	1111034	44.509	ng	98
30) 1,2,4-Trichlorobenzene	10.319	180	1151117	42.427	ng	99
31) Naphthalene	10.501	128	3574182	40.029	ng	100
32) Benzoic acid	9.766	122	816691	54.405	ng	96
33) 4-Chloroaniline	10.601	127	897215	26.149	ng	100
34) Hexachlorobutadiene	10.796	225	680572	39.473	ng	99
35) Caprolactam	11.372	113	373324m	42.589	ng	
36) 4-Chloro-3-methylphenol	11.731	107	1181240	45.142	ng	98
37) 2-Methylnaphthalene	12.119	142	2286221	36.583	ng	99
38) 1-Methylnaphthalene	12.348	142	2395129	39.450	ng	99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1378808	43.130	ng	99
41) Hexachlorocyclopentadiene	12.478	237	1343156	114.832	ng	97
43) 2,4,6-Trichlorophenol	12.731	196	868821	45.979	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026057.D
 Acq On : 03 Nov 2025 14:03
 Operator : RC/JU
 Sample : PB170346BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

PB170346BS

Manual Integrations

APPROVED

Reviewed By :Jagrut
Upadhyay

11/04/2025

Supervised By :mohammad
ahmed

Quant Time: Nov 03 14:23:30 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 30 11:51:34 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	977044	45.314	ng	98
46) 1,1'-Biphenyl	13.142	154	3555466	45.130	ng	100
47) 2-Chloronaphthalene	13.178	162	2488428	40.146	ng	100
48) 2-Nitroaniline	13.384	65	682129	43.080	ng	99
49) Acenaphthylene	14.037	152	4302294	47.621	ng	100
50) Dimethylphthalate	13.778	163	3165660	42.299	ng	99
51) 2,6-Dinitrotoluene	13.884	165	653607	46.852	ng	98
52) Acenaphthene	14.389	154	2764412	44.572	ng	100
53) 3-Nitroaniline	14.207	138	550674	33.504	ng	98
54) 2,4-Dinitrophenol	14.425	184	618650	89.390	ng	99
55) Dibenzofuran	14.731	168	3838967	40.968	ng	99
56) 4-Nitrophenol	14.525	139	1284695	86.087	ng	96
57) 2,4-Dinitrotoluene	14.678	165	933286	45.627	ng	99
58) Fluorene	15.389	166	3014436	41.061	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	823548	48.579	ng	99
60) Diethylphthalate	15.178	149	3185892	42.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.395	204	1468638	40.060	ng	99
62) 4-Nitroaniline	15.401	138	736751	46.069	ng	99
63) Azobenzene	15.683	77	2930458	42.976	ng	99
65) 4,6-Dinitro-2-methylph...	15.466	198	418402	50.265	ng	98
66) n-Nitrosodiphenylamine	15.601	169	2758017	43.511	ng	100
67) 4-Bromophenyl-phenylether	16.307	248	958809	42.636	ng	99
68) Hexachlorobenzene	16.419	284	1062593	41.507	ng	99
69) Atrazine	16.595	200	990002	46.299	ng	99
70) Pentachlorophenol	16.772	266	1409042	90.109	ng	98
71) Phenanthrene	17.172	178	4887342	41.418	ng	99
72) Anthracene	17.272	178	4994409	42.699	ng	100
73) Carbazole	17.542	167	4798722	43.340	ng	99
74) Di-n-butylphthalate	18.148	149	5476816	44.206	ng	99
75) Fluoranthene	19.266	202	5695428	41.377	ng	99
77) Benzidine	19.454	184	2560522	48.580	ng	100
78) Pyrene	19.636	202	5922117	42.167	ng	99
80) Butylbenzylphthalate	20.601	149	2346780	44.985	ng	98
81) Benzo(a)anthracene	21.554	228	6005581	42.088	ng	99
82) 3,3'-Dichlorobenzidine	21.471	252	1521050	33.084	ng	99
83) Chrysene	21.624	228	5583127	41.305	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3535330	42.556	ng	99
85) Di-n-octyl phthalate	22.807	149	5930535	47.977	ng	100
87) Indeno(1,2,3-cd)pyrene	28.677	276	7311036m	43.953	ng	
88) Benzo(b)fluoranthene	23.842	252	6092278	43.557	ng	99
89) Benzo(k)fluoranthene	23.912	252	6221199	43.556	ng	99
90) Benzo(a)pyrene	24.742	252	5887209	45.816	ng	100
91) Dibenzo(a,h)anthracene	28.753	278	6034680	44.581	ng	98
92) Benzo(g,h,i)perylene	29.836	276	5887221	45.196	ng	98

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


```
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\  
Data File : BP026057.D  
Acq On    : 03 Nov 2025  14:03  
Operator  : RC/JU  
Sample    : PB170346BS  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
PB170346BS

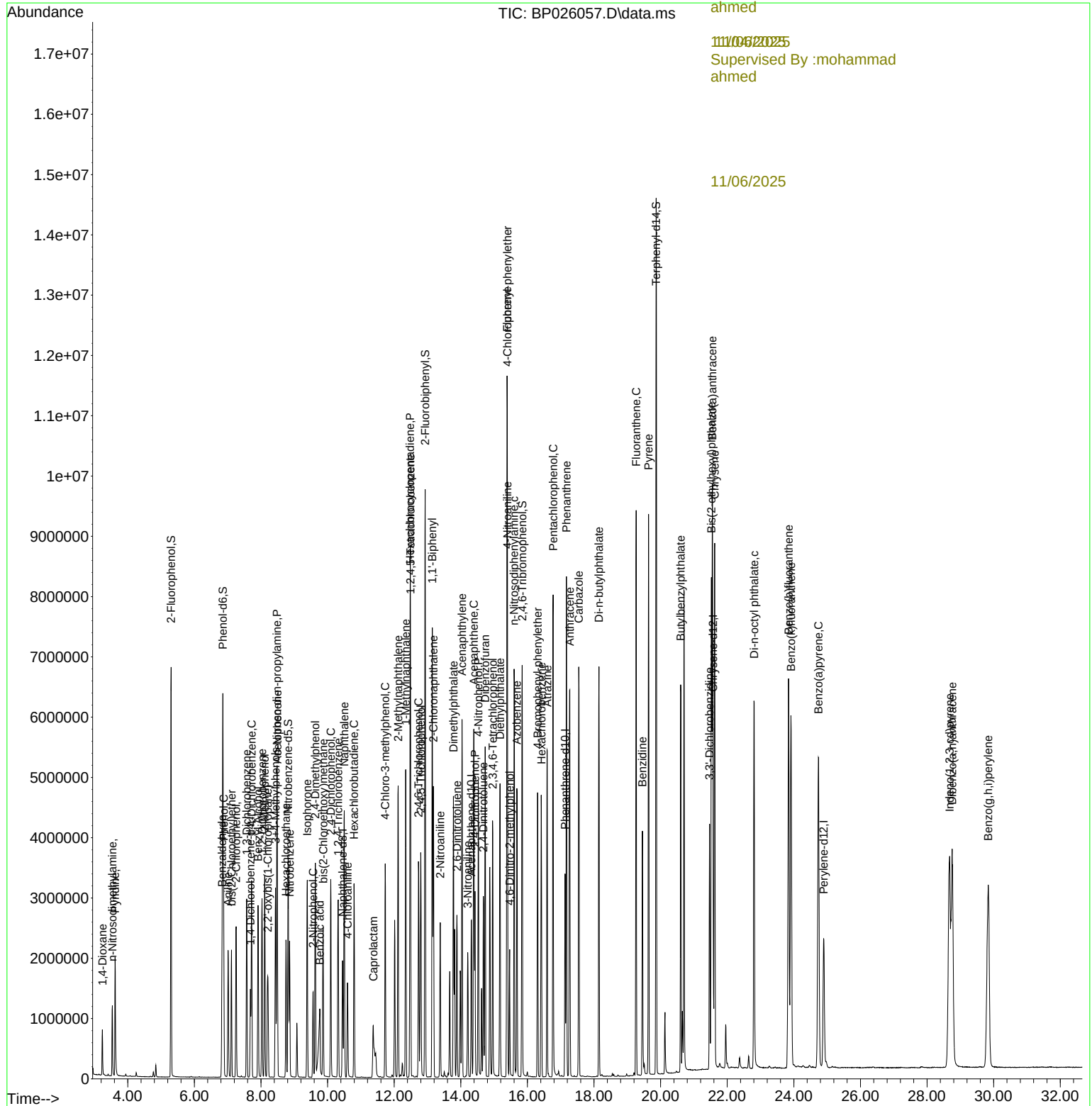
Manual Integrations

Reviewed By :Jagrut
Upadhyay

11/04/2025
Supervised By :mohammad
ahmed

Supervised By :mohammad
ahmed

11/06/2025



Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:
Project: Maclearie Park	Date Received:
Client Sample ID: PB170346BSD	SDG No.: Q3495
Lab Sample ID: PB170346BSD	Matrix: Water
Analytical Method: 8270E	% Solid: 0
Sample Wt/Vol: 1000 mL	Test: SVOC-TCL BNA -20
Prep Method : 3510C	
Level: LOW	
Final Vol: 1000 uL	
Prep Date: 10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	31.6		1	3.90	10.0	ug/L	11/03/25 14:44	PB170346
108-95-2	Phenol	42.8		1	0.91	5.00	ug/L	11/03/25 14:44	PB170346
111-44-4	bis(2-Chloroethyl)ether	39.6		1	0.81	5.00	ug/L	11/03/25 14:44	PB170346
95-57-8	2-Chlorophenol	44.1		1	0.58	5.00	ug/L	11/03/25 14:44	PB170346
95-48-7	2-Methylphenol	44.1		1	1.10	5.00	ug/L	11/03/25 14:44	PB170346
108-60-1	2,2-oxybis(1-Chloropropane)	40.0		1	1.30	5.00	ug/L	11/03/25 14:44	PB170346
98-86-2	Acetophenone	44.9		1	0.74	5.00	ug/L	11/03/25 14:44	PB170346
65794-96-9	3+4-Methylphenols	43.3		1	1.10	10.0	ug/L	11/03/25 14:44	PB170346
621-64-7	n-Nitroso-di-n-propylamine	42.1		1	1.40	2.50	ug/L	11/03/25 14:44	PB170346
67-72-1	Hexachloroethane	41.1		1	0.65	5.00	ug/L	11/03/25 14:44	PB170346
98-95-3	Nitrobenzene	42.5		1	0.76	5.00	ug/L	11/03/25 14:44	PB170346
78-59-1	Isophorone	41.5		1	0.75	5.00	ug/L	11/03/25 14:44	PB170346
88-75-5	2-Nitrophenol	49.3		1	1.80	5.00	ug/L	11/03/25 14:44	PB170346
105-67-9	2,4-Dimethylphenol	48.0		1	1.90	5.00	ug/L	11/03/25 14:44	PB170346
111-91-1	bis(2-Chloroethoxy)methane	41.9		1	0.68	5.00	ug/L	11/03/25 14:44	PB170346
120-83-2	2,4-Dichlorophenol	45.0		1	0.52	5.00	ug/L	11/03/25 14:44	PB170346
91-20-3	Naphthalene	40.3		1	0.50	5.00	ug/L	11/03/25 14:44	PB170346
106-47-8	4-Chloroaniline	25.1		1	0.84	5.00	ug/L	11/03/25 14:44	PB170346
87-68-3	Hexachlorobutadiene	39.7		1	0.54	5.00	ug/L	11/03/25 14:44	PB170346
105-60-2	Caprolactam	43.5		1	1.10	10.0	ug/L	11/03/25 14:44	PB170346
59-50-7	4-Chloro-3-methylphenol	45.8		1	0.59	5.00	ug/L	11/03/25 14:44	PB170346
91-57-6	2-Methylnaphthalene	37.4		1	0.56	5.00	ug/L	11/03/25 14:44	PB170346
77-47-4	Hexachlorocyclopentadiene	120	E	1	3.60	10.0	ug/L	11/03/25 14:44	PB170346
88-06-2	2,4,6-Trichlorophenol	46.7		1	0.51	5.00	ug/L	11/03/25 14:44	PB170346
95-95-4	2,4,5-Trichlorophenol	46.0		1	0.62	5.00	ug/L	11/03/25 14:44	PB170346
92-52-4	1,1-Biphenyl	45.4		1	0.53	5.00	ug/L	11/03/25 14:44	PB170346
91-58-7	2-Chloronaphthalene	40.6		1	0.61	5.00	ug/L	11/03/25 14:44	PB170346
88-74-4	2-Nitroaniline	44.1		1	1.30	5.00	ug/L	11/03/25 14:44	PB170346
131-11-3	Dimethylphthalate	42.9		1	0.61	5.00	ug/L	11/03/25 14:44	PB170346
208-96-8	Acenaphthylene	47.2		1	0.75	5.00	ug/L	11/03/25 14:44	PB170346
606-20-2	2,6-Dinitrotoluene	47.3		1	0.92	5.00	ug/L	11/03/25 14:44	PB170346
99-09-2	3-Nitroaniline	33.4		1	1.10	5.00	ug/L	11/03/25 14:44	PB170346
83-32-9	Acenaphthene	39.6		1	0.55	5.00	ug/L	11/03/25 14:44	PB170346
51-28-5	2,4-Dinitrophenol	90.8	E	1	6.00	10.0	ug/L	11/03/25 14:44	PB170346
100-02-7	4-Nitrophenol	87.5	E	1	2.40	10.0	ug/L	11/03/25 14:44	PB170346
132-64-9	Dibenzofuran	40.3		1	0.61	5.00	ug/L	11/03/25 14:44	PB170346
121-14-2	2,4-Dinitrotoluene	46.2		1	1.20	5.00	ug/L	11/03/25 14:44	PB170346
84-66-2	Diethylphthalate	43.1		1	0.69	5.00	ug/L	11/03/25 14:44	PB170346
7005-72-3	4-Chlorophenyl-phenylether	39.6		1	0.68	5.00	ug/L	11/03/25 14:44	PB170346
86-73-7	Fluorene	40.9		1	0.63	5.00	ug/L	11/03/25 14:44	PB170346
100-01-6	4-Nitroaniline	44.9		1	1.50	5.00	ug/L	11/03/25 14:44	PB170346
534-52-1	4,6-Dinitro-2-methylphenol	50.6		1	2.90	10.0	ug/L	11/03/25 14:44	PB170346

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected:	
Project: Maclearie Park	Date Received:	
Client Sample ID: PB170346BSD	SDG No.:	Q3495
Lab Sample ID: PB170346BSD	Matrix:	Water
Analytical Method: 8270E	% Solid:	0
Sample Wt/Vol: 1000 mL	Test:	SVOC-TCL BNA -20
Prep Method : 3510C		
Level: LOW		
Final Vol: 1000 uL		
Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	43.3		1	0.58	5.00	ug/L	11/03/25 14:44	PB170346
101-55-3	4-Bromophenyl-phenylether	42.0		1	0.40	5.00	ug/L	11/03/25 14:44	PB170346
118-74-1	Hexachlorobenzene	41.0		1	0.52	5.00	ug/L	11/03/25 14:44	PB170346
1912-24-9	Atrazine	46.9		1	1.00	5.00	ug/L	11/03/25 14:44	PB170346
87-86-5	Pentachlorophenol	90.6	E	1	1.60	10.0	ug/L	11/03/25 14:44	PB170346
85-01-8	Phenanthrene	40.5		1	0.50	5.00	ug/L	11/03/25 14:44	PB170346
120-12-7	Anthracene	42.3		1	0.61	5.00	ug/L	11/03/25 14:44	PB170346
86-74-8	Carbazole	42.4		1	0.72	5.00	ug/L	11/03/25 14:44	PB170346
84-74-2	Di-n-butylphthalate	44.5		1	1.20	5.00	ug/L	11/03/25 14:44	PB170346
206-44-0	Fluoranthene	41.0		1	0.82	5.00	ug/L	11/03/25 14:44	PB170346
129-00-0	Pyrene	42.8		1	0.50	5.00	ug/L	11/03/25 14:44	PB170346
85-68-7	Butylbenzylphthalate	46.8		1	1.90	5.00	ug/L	11/03/25 14:44	PB170346
91-94-1	3,3-Dichlorobenzidine	34.8		1	0.93	10.0	ug/L	11/03/25 14:44	PB170346
56-55-3	Benzo(a)anthracene	42.2		1	0.45	5.00	ug/L	11/03/25 14:44	PB170346
218-01-9	Chrysene	42.1		1	0.44	5.00	ug/L	11/03/25 14:44	PB170346
117-81-7	Bis(2-ethylhexyl)phthalate	46.0		1	1.60	5.00	ug/L	11/03/25 14:44	PB170346
117-84-0	Di-n-octyl phthalate	51.0		1	2.30	10.0	ug/L	11/03/25 14:44	PB170346
205-99-2	Benzo(b)fluoranthene	43.8		1	0.49	5.00	ug/L	11/03/25 14:44	PB170346
207-08-9	Benzo(k)fluoranthene	44.1		1	0.48	5.00	ug/L	11/03/25 14:44	PB170346
50-32-8	Benzo(a)pyrene	46.2		1	0.55	5.00	ug/L	11/03/25 14:44	PB170346
193-39-5	Indeno(1,2,3-cd)pyrene	44.4		1	0.59	5.00	ug/L	11/03/25 14:44	PB170346
53-70-3	Dibenzo(a,h)anthracene	45.0		1	0.67	5.00	ug/L	11/03/25 14:44	PB170346
191-24-2	Benzo(g,h,i)perylene	45.8		1	0.69	5.00	ug/L	11/03/25 14:44	PB170346
95-94-3	1,2,4,5-Tetrachlorobenzene	43.6		1	0.52	5.00	ug/L	11/03/25 14:44	PB170346
123-91-1	1,4-Dioxane	32.4		1	1.00	5.00	ug/L	11/03/25 14:44	PB170346
58-90-2	2,3,4,6-Tetrachlorophenol	49.2		1	0.72	5.00	ug/L	11/03/25 14:44	PB170346

SURROGATES

367-12-4	2-Fluorophenol	121		23 - 138	81%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 134	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.8		67 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.0		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	79.6		42 - 152	80%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	395000
1146-65-2	Naphthalene-d8	1600000
15067-26-2	Acenaphthene-d10	1010000
1517-22-2	Phenanthrene-d10	2010000
1719-03-5	Chrysene-d12	2000000
1520-96-3	Perylene-d12	2130000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	
Project:	Maclearie Park		Date Received:	
Client Sample ID:	PB170346BSD		SDG No.:	Q3495
Lab Sample ID:	PB170346BSD		Matrix:	Water
Analytical Method:	8270E	Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	3510C	Prep Date: 10/31/25		

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_P\Data\BP110325\
 Data File : BP026058.D
 Acq On : 03 Nov 2025 14:44
 Operator : RC/JU
 Sample : PB170346BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170346BSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 15:05:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	395071	20.000	ng	-0.01
21) Naphthalene-d8	10.448	136	1598021	20.000	ng	0.00
39) Acenaphthene-d10	14.307	164	1009231	20.000	ng	-0.01
64) Phenanthrene-d10	17.119	188	2008992	20.000	ng	0.00
76) Chrysene-d12	21.583	240	2004620	20.000	ng	0.02
86) Perylene-d12	24.895	264	2129528	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2905740	121.364	ng	0.00
7) Phenol-d6	6.855	99	3657597	120.024	ng	0.00
23) Nitrobenzene-d5	8.813	82	2071026	80.792	ng	-0.01
42) 2,4,6-Tribromophenol	15.831	330	1378817	126.372	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	5200921	74.050	ng	-0.01
79) Terphenyl-d14	19.866	244	7852666	79.587	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	326802	32.378	ng	98
3) Pyridine	3.619	79	914026	31.856	ng	99
4) n-Nitrosodimethylamine	3.531	42	474046	41.222	ng	98
6) Aniline	7.013	93	1415390	34.801	ng	99
8) 2-Chlorophenol	7.249	128	1169712	44.119	ng	98
9) Benzaldehyde	6.825	77	501324	31.646	ng	96
10) Phenol	6.878	94	1448888	42.827	ng	99
11) bis(2-Chloroethyl)ether	7.107	93	1056344	39.565	ng	99
12) 1,3-Dichlorobenzene	7.572	146	1230567	40.416	ng	98
13) 1,4-Dichlorobenzene	7.713	146	1253086	40.705	ng	99
14) 1,2-Dichlorobenzene	8.025	146	1212791	41.286	ng	99
15) Benzyl Alcohol	7.907	79	944591	42.997	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1613589	39.988	ng	99
17) 2-Methylphenol	8.113	107	976660	44.086	ng	99
18) Hexachloroethane	8.749	117	433237	41.127	ng	97
19) n-Nitroso-di-n-propyla...	8.478	70	796591	42.111	ng	99
20) 3+4-Methylphenols	8.437	107	1333675	43.275	ng	99
22) Acetophenone	8.490	105	1815154	44.913	ng	# 99
24) Nitrobenzene	8.860	77	1149562	42.474	ng	100
25) Isophorone	9.384	82	2275981	41.481	ng	100
26) 2-Nitrophenol	9.566	139	491470	49.259	ng	95
27) 2,4-Dimethylphenol	9.625	122	1107222	47.988	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	1447720	41.867	ng	100
29) 2,4-Dichlorophenol	10.096	162	1096305	45.001	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	1127789	42.591	ng	99
31) Naphthalene	10.501	128	3508025	40.256	ng	100
32) Benzoic acid	9.760	122	804704	54.780	ng	96
33) 4-Chloroaniline	10.595	127	839001	25.055	ng	99
34) Hexachlorobutadiene	10.796	225	668366	39.720	ng	99
35) Caprolactam	11.360	113	371981m	43.481	ng	
36) 4-Chloro-3-methylphenol	11.725	107	1169039	45.776	ng	98
37) 2-Methylnaphthalene	12.113	142	2280926	37.397	ng	100
38) 1-Methylnaphthalene	12.331	142	2346181	39.596	ng	100
40) 1,2,4,5-Tetrachloroben...	12.490	216	1368368	43.637	ng	99
41) Hexachlorocyclopentadiene	12.478	237	1370080	119.415	ng	97
43) 2,4,6-Trichlorophenol	12.719	196	865628	46.702	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026058.D
 Acq On : 03 Nov 2025 14:44
 Operator : RC/JU
 Sample : PB170346BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170346BSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 15:05:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.795	196	971919	45.954	ng	97
46) 1,1'-Biphenyl	13.137	154	3510801	45.431	ng	99
47) 2-Chloronaphthalene	13.172	162	2470353	40.630	ng	99
48) 2-Nitroaniline	13.366	65	686775	44.141	ng	99
49) Acenaphthylene	14.025	152	4185681	47.233	ng	100
50) Dimethylphthalate	13.766	163	3146994	42.869	ng	100
51) 2,6-Dinitrotoluene	13.878	165	648007	47.323	ng	99
52) Acenaphthene	14.372	154	2411580	39.640	ng	99
53) 3-Nitroaniline	14.207	138	537488	33.351	ng	# 97
54) 2,4-Dinitrophenol	14.407	184	620525	90.756	ng	99
55) Dibenzofuran	14.713	168	3707123	40.332	ng	99
56) 4-Nitrophenol	14.525	139	1280146	87.452	ng	98
57) 2,4-Dinitrotoluene	14.672	165	928820	46.248	ng	95
58) Fluorene	15.378	166	2946984	40.924	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.948	232	817638	49.169	ng	99
60) Diethylphthalate	15.166	149	3179916	43.088	ng	100
61) 4-Chlorophenyl-phenyle...	15.378	204	1424235	39.605	ng	99
62) 4-Nitroaniline	15.389	138	704598	44.917	ng	99
63) Azobenzene	15.683	77	2854023	42.670	ng	98
65) 4,6-Dinitro-2-methylph...	15.454	198	418767	50.643	ng	95
66) n-Nitrosodiphenylamine	15.601	169	2717880	43.269	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	935632	41.985	ng	99
68) Hexachlorobenzene	16.407	284	1040905	41.031	ng	97
69) Atrazine	16.583	200	993937	46.907	ng	99
70) Pentachlorophenol	16.766	266	1404655	90.648	ng	99
71) Phenanthrene	17.166	178	4736449	40.506	ng	100
72) Anthracene	17.266	178	4906737	42.332	ng	100
73) Carbazole	17.536	167	4647037	42.353	ng	100
74) Di-n-butylphthalate	18.154	149	5458434	44.459	ng	99
75) Fluoranthene	19.260	202	5596306	41.027	ng	99
77) Benzidine	19.454	184	2494908	49.033	ng	99
78) Pyrene	19.642	202	5806155	42.824	ng	99
80) Butylbenzylphthalate	20.607	149	2365907	46.828	ng	98
81) Benzo(a)anthracene	21.560	228	5819805	42.248	ng	99
82) 3,3'-Dichlorobenzidine	21.483	252	1546719	34.849	ng	100
83) Chrysene	21.630	228	5490666	42.078	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3709522	46.029	ng	100
85) Di-n-octyl phthalate	22.807	149	6086837	51.008	ng	99
87) Indeno(1,2,3-cd)pyrene	28.677	276	6974909	44.365	ng	# 92
88) Benzo(b)fluoranthene	23.854	252	5796552	43.847	ng	100
89) Benzo(k)fluoranthene	23.918	252	5951541	44.086	ng	100
90) Benzo(a)pyrene	24.742	252	5611714	46.205	ng	99
91) Dibenzo(a,h)anthracene	28.753	278	5751136	44.951	ng	99
92) Benzo(g,h,i)perylene	29.847	276	5644301	45.845	ng	100

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

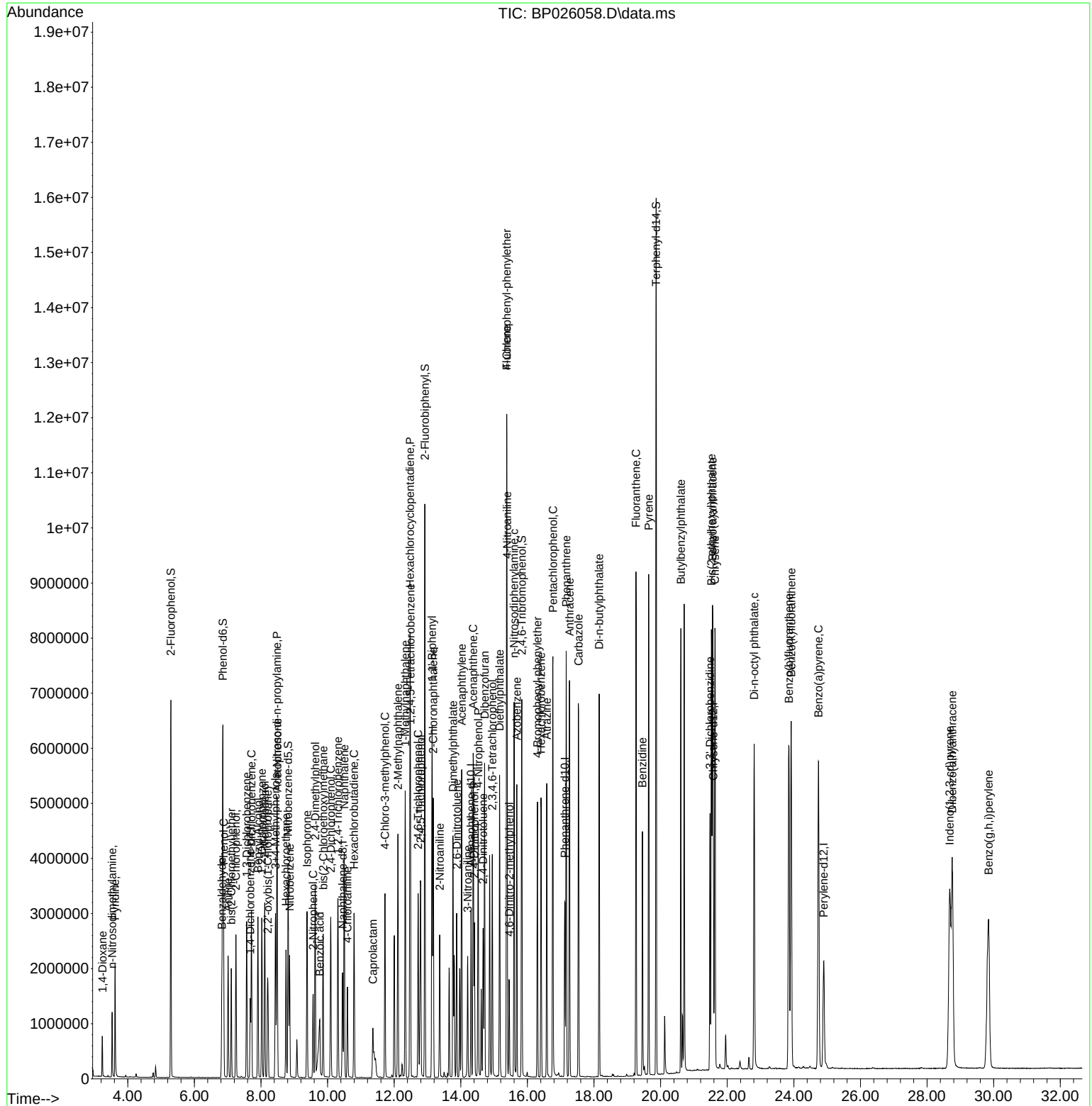
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026058.D
 Acq On : 03 Nov 2025 14:44
 Operator : RC/JU
 Sample : PB170346BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB170346BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 15:05:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration





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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2MS		SDG No.:	Q3495
Lab Sample ID:	Q3495-02MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2000		1	210	440	ug/Kg	11/03/25 16:54	PB170342
108-95-2	Phenol	2100		1	29.4	230	ug/Kg	11/03/25 16:54	PB170342
111-44-4	bis(2-Chloroethyl)ether	2000		1	32.3	230	ug/Kg	11/03/25 16:54	PB170342
95-57-8	2-Chlorophenol	2200		1	32.4	230	ug/Kg	11/03/25 16:54	PB170342
95-48-7	2-Methylphenol	2100		1	39.8	230	ug/Kg	11/03/25 16:54	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1800		1	49.9	230	ug/Kg	11/03/25 16:54	PB170342
98-86-2	Acetophenone	2000		1	39.2	230	ug/Kg	11/03/25 16:54	PB170342
65794-96-9	3+4-Methylphenols	2100		1	54.7	440	ug/Kg	11/03/25 16:54	PB170342
621-64-7	n-Nitroso-di-n-propylamine	2000		1	63.0	110	ug/Kg	11/03/25 16:54	PB170342
67-72-1	Hexachloroethane	2100		1	23.4	230	ug/Kg	11/03/25 16:54	PB170342
98-95-3	Nitrobenzene	2100		1	24.3	230	ug/Kg	11/03/25 16:54	PB170342
78-59-1	Isophorone	2000		1	43.6	230	ug/Kg	11/03/25 16:54	PB170342
88-75-5	2-Nitrophenol	2800		1	77.4	230	ug/Kg	11/03/25 16:54	PB170342
105-67-9	2,4-Dimethylphenol	2400		1	86.2	230	ug/Kg	11/03/25 16:54	PB170342
111-91-1	bis(2-Chloroethoxy)methane	2000		1	41.0	230	ug/Kg	11/03/25 16:54	PB170342
120-83-2	2,4-Dichlorophenol	2200		1	37.6	230	ug/Kg	11/03/25 16:54	PB170342
91-20-3	Naphthalene	2000		1	30.2	230	ug/Kg	11/03/25 16:54	PB170342
106-47-8	4-Chloroaniline	740		1	47.1	230	ug/Kg	11/03/25 16:54	PB170342
87-68-3	Hexachlorobutadiene	2000		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
105-60-2	Caprolactam	2200		1	69.3	440	ug/Kg	11/03/25 16:54	PB170342
59-50-7	4-Chloro-3-methylphenol	2200		1	38.2	230	ug/Kg	11/03/25 16:54	PB170342
91-57-6	2-Methylnaphthalene	1800		1	34.0	230	ug/Kg	11/03/25 16:54	PB170342
77-47-4	Hexachlorocyclopentadiene	6300	E	1	150	440	ug/Kg	11/03/25 16:54	PB170342
88-06-2	2,4,6-Trichlorophenol	2400		1	26.3	230	ug/Kg	11/03/25 16:54	PB170342
95-95-4	2,4,5-Trichlorophenol	2300		1	38.7	230	ug/Kg	11/03/25 16:54	PB170342
92-52-4	1,1-Biphenyl	2000		1	29.0	230	ug/Kg	11/03/25 16:54	PB170342
91-58-7	2-Chloronaphthalene	2000		1	29.9	230	ug/Kg	11/03/25 16:54	PB170342
88-74-4	2-Nitroaniline	2200		1	64.0	230	ug/Kg	11/03/25 16:54	PB170342
131-11-3	Dimethylphthalate	2100		1	36.0	230	ug/Kg	11/03/25 16:54	PB170342
208-96-8	Acenaphthylene	2300		1	38.4	230	ug/Kg	11/03/25 16:54	PB170342
606-20-2	2,6-Dinitrotoluene	2300		1	44.7	230	ug/Kg	11/03/25 16:54	PB170342
99-09-2	3-Nitroaniline	1400		1	61.2	230	ug/Kg	11/03/25 16:54	PB170342
83-32-9	Acenaphthene	1900		1	28.3	230	ug/Kg	11/03/25 16:54	PB170342
51-28-5	2,4-Dinitrophenol	4600	E	1	300	440	ug/Kg	11/03/25 16:54	PB170342
100-02-7	4-Nitrophenol	4700	E	1	140	440	ug/Kg	11/03/25 16:54	PB170342
132-64-9	Dibenzofuran	2000		1	30.2	230	ug/Kg	11/03/25 16:54	PB170342
121-14-2	2,4-Dinitrotoluene	2200		1	66.6	230	ug/Kg	11/03/25 16:54	PB170342
84-66-2	Diethylphthalate	2100		1	37.6	230	ug/Kg	11/03/25 16:54	PB170342
7005-72-3	4-Chlorophenyl-phenylether	2000		1	35.5	230	ug/Kg	11/03/25 16:54	PB170342
86-73-7	Fluorene	2000		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
100-01-6	4-Nitroaniline	2300		1	85.4	230	ug/Kg	11/03/25 16:54	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	2600		1	140	440	ug/Kg	11/03/25 16:54	PB170342



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2MS		SDG No.:	Q3495
Lab Sample ID:	Q3495-02MS		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL	Test:
Prep Method :	SW3541	Prep Date:	10/31/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	2100		1	43.7	230	ug/Kg	11/03/25 16:54	PB170342
101-55-3	4-Bromophenyl-phenylether	2100		1	37.0	230	ug/Kg	11/03/25 16:54	PB170342
118-74-1	Hexachlorobenzene	2100		1	33.6	230	ug/Kg	11/03/25 16:54	PB170342
1912-24-9	Atrazine	2400		1	45.2	230	ug/Kg	11/03/25 16:54	PB170342
87-86-5	Pentachlorophenol	5000	E	1	68.2	440	ug/Kg	11/03/25 16:54	PB170342
85-01-8	Phenanthrene	2000		1	27.8	230	ug/Kg	11/03/25 16:54	PB170342
120-12-7	Anthracene	2100		1	44.3	230	ug/Kg	11/03/25 16:54	PB170342
86-74-8	Carbazole	2200		1	41.5	230	ug/Kg	11/03/25 16:54	PB170342
84-74-2	Di-n-butylphthalate	2300		1	63.7	230	ug/Kg	11/03/25 16:54	PB170342
206-44-0	Fluoranthene	2100		1	39.9	230	ug/Kg	11/03/25 16:54	PB170342
129-00-0	Pyrene	1900		1	47.9	230	ug/Kg	11/03/25 16:54	PB170342
85-68-7	Butylbenzylphthalate	2400		1	94.9	230	ug/Kg	11/03/25 16:54	PB170342
91-94-1	3,3-Dichlorobenzidine	1900		1	48.8	440	ug/Kg	11/03/25 16:54	PB170342
56-55-3	Benzo(a)anthracene	2100		1	30.6	230	ug/Kg	11/03/25 16:54	PB170342
218-01-9	Chrysene	2100		1	26.5	230	ug/Kg	11/03/25 16:54	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	2300		1	78.7	230	ug/Kg	11/03/25 16:54	PB170342
117-84-0	Di-n-octyl phthalate	2800		1	120	440	ug/Kg	11/03/25 16:54	PB170342
205-99-2	Benzo(b)fluoranthene	2100		1	25.3	230	ug/Kg	11/03/25 16:54	PB170342
207-08-9	Benzo(k)fluoranthene	2100		1	29.8	230	ug/Kg	11/03/25 16:54	PB170342
50-32-8	Benzo(a)pyrene	2200		1	39.2	230	ug/Kg	11/03/25 16:54	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	2200		1	38.7	230	ug/Kg	11/03/25 16:54	PB170342
53-70-3	Dibenzo(a,h)anthracene	2200		1	36.4	230	ug/Kg	11/03/25 16:54	PB170342
191-24-2	Benzo(g,h,i)perylene	2200		1	34.2	230	ug/Kg	11/03/25 16:54	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	2000		1	34.0	230	ug/Kg	11/03/25 16:54	PB170342
123-91-1	1,4-Dioxane	1900		1	60.1	230	ug/Kg	11/03/25 16:54	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	2600		1	36.4	230	ug/Kg	11/03/25 16:54	PB170342

SURROGATES

367-12-4	2-Fluorophenol	74.1			18 - 112	49%	SPK: 150
13127-88-3	Phenol-d6	74.0			15 - 107	49%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.0			18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.1			20 - 109	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	81.1			10 - 116	54%	SPK: 150
1718-51-0	Terphenyl-d14	43.2			10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	230000
1146-65-2	Naphthalene-d8	913000
15067-26-2	Acenaphthene-d10	574000
1517-22-2	Phenanthrene-d10	1150000
1719-03-5	Chrysene-d12	1320000
1520-96-3	Perylene-d12	1550000



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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	10/27/25
Project:	Maclearie Park	Date Received:	10/29/25
Client Sample ID:	SB-1025-2MS	SDG No.:	Q3495
Lab Sample ID:	Q3495-02MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.1
Sample Wt/Vol:	30.04 g	Final Vol:	1000 uL
Prep Method :	SW3541	Test:	SVOC-TCL BNA -20
	Level: LOW		
	Prep Date: 10/31/25		

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_P\Data\BP110325\
 Data File : BP026061.D
 Acq On : 03 Nov 2025 16:54
 Operator : RC/JU
 Sample : Q3495-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1025-2MS

Quant Time: Nov 03 17:14:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	230344	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	913499	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	573692	20.000	ng	0.00
64) Phenanthrene-d10	17.131	188	1154142	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1320577	20.000	ng	0.01
86) Perylene-d12	24.889	264	1554006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1034800	74.129	ng	0.00
7) Phenol-d6	6.855	99	1315612	74.046	ng	0.00
23) Nitrobenzene-d5	8.819	82	718062	49.003	ng	0.00
42) 2,4,6-Tribromophenol	15.836	330	502803	81.069	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	1719470	43.067	ng	0.00
79) Terphenyl-d14	19.860	244	2808520	43.209	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.231	88	245654	41.743	ng	98
3) Pyridine	3.619	79	653591	39.069	ng	99
4) n-Nitrosodimethylamine	3.531	42	305989	45.637	ng	94
6) Aniline	7.013	93	741914	31.287	ng	99
8) 2-Chlorophenol	7.249	128	767520	49.652	ng	97
9) Benzaldehyde	6.831	77	421669	45.654	ng	95
10) Phenol	6.884	94	939790	47.644	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	686866	44.124	ng	100
12) 1,3-Dichlorobenzene	7.572	146	815209	45.921	ng	99
13) 1,4-Dichlorobenzene	7.719	146	834769	46.508	ng	98
14) 1,2-Dichlorobenzene	8.037	146	796735	46.519	ng	98
15) Benzyl Alcohol	7.913	79	621325	48.507	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	974973	41.441	ng	98
17) 2-Methylphenol	8.119	107	624055	48.315	ng	98
18) Hexachloroethane	8.755	117	285850	46.541	ng	97
19) n-Nitroso-di-n-propyla...	8.478	70	495360	44.913	ng	97
20) 3+4-Methylphenols	8.437	107	851879	47.409	ng	98
22) Acetophenone	8.490	105	1062156	45.975	ng	# 97
24) Nitrobenzene	8.860	77	731015	47.248	ng	98
25) Isophorone	9.390	82	1416601	45.165	ng	99
26) 2-Nitrophenol	9.566	139	367075	63.539	ng	96
27) 2,4-Dimethylphenol	9.631	122	712048	53.986	ng	100
28) bis(2-Chloroethoxy)met...	9.866	93	890244	45.038	ng	100
29) 2,4-Dichlorophenol	10.102	162	706461	50.728	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	727408	48.056	ng	97
31) Naphthalene	10.501	128	2237445	44.915	ng	100
32) Benzoic acid	9.749	122	560751	63.086	ng	96
33) 4-Chloroaniline	10.601	127	319591	16.695	ng	99
34) Hexachlorobutadiene	10.807	225	437061	45.437	ng	99
35) Caprolactam	11.372	113	241440	49.370	ng	95
36) 4-Chloro-3-methylphenol	11.737	107	740711	50.738	ng	99
37) 2-Methylnaphthalene	12.125	142	1421190	40.762	ng	99
38) 1-Methylnaphthalene	12.348	142	1485088	43.844	ng	98
40) 1,2,4,5-Tetrachloroben...	12.495	216	802007	44.992	ng	99
41) Hexachlorocyclopentadiene	12.484	237	921688	141.321	ng	97
43) 2,4,6-Trichlorophenol	12.737	196	565547	53.677	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026061.D
 Acq On : 03 Nov 2025 16:54
 Operator : RC/JU
 Sample : Q3495-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1025-2MS

Quant Time: Nov 03 17:14:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.807	196	621732	51.714	ng	97
46) 1,1'-Biphenyl	13.148	154	2025270	46.104	ng	100
47) 2-Chloronaphthalene	13.184	162	1550279	44.855	ng	99
48) 2-Nitroaniline	13.378	65	443914	49.793	ng	100
49) Acenaphthylene	14.042	152	2662846	52.861	ng	100
50) Dimethylphthalate	13.778	163	1989156	47.668	ng	100
51) 2,6-Dinitrotoluene	13.884	165	406367	51.897	ng	98
52) Acenaphthene	14.384	154	1475483	42.666	ng	99
53) 3-Nitroaniline	14.213	138	280213	30.806	ng	98
54) 2,4-Dinitrophenol	14.425	184	430227	103.707	ng	97
55) Dibenzofuran	14.725	168	2405190	46.033	ng	99
56) 4-Nitrophenol	14.531	139	889709	106.923	ng	98
57) 2,4-Dinitrotoluene	14.684	165	582363	50.694	ng	96
58) Fluorene	15.389	166	1891035	46.197	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.954	232	553544	58.559	ng	99
60) Diethylphthalate	15.166	149	1996178	47.582	ng	100
61) 4-Chlorophenyl-phenyle...	15.384	204	927006	45.349	ng	100
62) 4-Nitroaniline	15.389	138	461643	51.771	ng	94
63) Azobenzene	15.684	77	1915280	50.375	ng	98
65) 4,6-Dinitro-2-methylph...	15.466	198	290971	58.360	ng	95
66) n-Nitrosodiphenylamine	15.601	169	1717820	47.604	ng	99
67) 4-Bromophenyl-phenylether	16.301	248	595137	46.486	ng	99
68) Hexachlorobenzene	16.413	284	685540	47.038	ng	98
69) Atrazine	16.584	200	650082	53.402	ng	99
70) Pentachlorophenol	16.766	266	996902	111.985	ng	100
71) Phenanthrene	17.172	178	3106348	46.241	ng	100
72) Anthracene	17.260	178	3217289	48.315	ng	100
73) Carbazole	17.536	167	3089675	49.016	ng	100
74) Di-n-butylphthalate	18.148	149	3658234	51.866	ng	99
75) Fluoranthene	19.260	202	3795608	48.436	ng	99
77) Benzidine	19.454	184	2267672	67.652	ng	99
78) Pyrene	19.636	202	3918450	43.872	ng	100
80) Butylbenzylphthalate	20.601	149	1795165	53.421	ng	98
81) Benzo(a)anthracene	21.554	228	4277522	47.137	ng	100
82) 3,3'-Dichlorobenzidine	21.471	252	1241377	42.457	ng	99
83) Chrysene	21.619	228	3977445	46.270	ng	99
84) Bis(2-ethylhexyl)phtha...	21.519	149	2741453	51.320	ng	99
85) Di-n-octyl phthalate	22.795	149	4878166	62.054	ng	97
87) Indeno(1,2,3-cd)pyrene	28.659	276	5622542	49.008	ng	98
88) Benzo(b)fluoranthene	23.842	252	4477746	46.415	ng	100
89) Benzo(k)fluoranthene	23.907	252	4571470	46.404	ng	100
90) Benzo(a)pyrene	24.730	252	4396054	49.601	ng	99
91) Dibenzo(a,h)anthracene	28.748	278	4613090	49.410	ng	100
92) Benzo(g,h,i)perylene	29.830	276	4530380	50.425	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MS

Abundance

TIC: BP026061.D\data.ms

Time-->

9500000

9000000

8500000

8000000

7500000

7000000

6500000

6000000

5500000

5000000

4500000

4000000

3500000

3000000

2500000

2000000

1500000

1000000

500000

0

4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

30.00

32.00

1,4-Dioxane

n-Nitrosodimethylamine

2-Fluorophenol, S

Aniline

Benzaldehyde

Bis(2-chlorophenyl)ether

Phenol, d6, S

1,4-Dichlorobenzene, d4, S

2,3-Dichlorobenzene, C

Benzonitrile

2,2'-oxybis(1-chlorophenyl)

2,2'-oxybis(1-chlorophenyl), S

Nitrobenzene

Isophorone

2-Nitrophenol, C

Benzonitrile

2,3-Dichlorobenzene, S

4-Chloroaniline

Hexachlorobutadiene, C

Caprolactam

4-Chloro-3-methylphenol, C

2-Methylnaphthalene

1-Methylnaphthalene

1,2,4,5-Tetrachlorobenzene, P

2,4,6-Trichlorophenol, S

2-Chloronaphthalene

2-Nitroaniline

2,6-Dinitrotoluene

Acenaphthylene

3-Nitroaniline

Acenaphthene, d10, S

4-Nitrophenol, C

2,3,4,6-Tetrachlorophenol

Diethylphthalate

4,6-Dinitro-2-methylphenol

2,4,6-Tribromophenol, S

4-Bromophenol, S

Atrazine

Phenanthrene, d10, S

Carbazole

n-Nitrosodiphenylamine, c

Phenanthrene

Pentachlorophenol, C

Di-n-butylphthalate

Fluoranthene, C

Pyrene

Terphenyl, d14, S

Butylbenzylphthalate

Bis(2-ethylhexyl)phthalate, S

Chrysene, d12, S

2,3-Dichlorobenzidine

Di-n-octyl phthalate, c

Benzo(b)fluoranthene

Benzo(a)pyrene, C

Perylene, d12, I

Indeno(1,2,3-cd)anthracene

Benzo(g,h,i)perylene

Report of Analysis

Client: Remington & Vernick Engineers	Date Collected: 10/27/25	
Project: Maclearie Park	Date Received: 10/29/25	
Client Sample ID: SB-1025-2MSD	SDG No.: Q3495	
Lab Sample ID: Q3495-02MSD	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: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1800		1	210	440	ug/Kg	11/03/25 17:35	PB170342
108-95-2	Phenol	1900		1	29.4	230	ug/Kg	11/03/25 17:35	PB170342
111-44-4	bis(2-Chloroethyl)ether	1800		1	32.3	230	ug/Kg	11/03/25 17:35	PB170342
95-57-8	2-Chlorophenol	2000		1	32.4	230	ug/Kg	11/03/25 17:35	PB170342
95-48-7	2-Methylphenol	1900		1	39.7	230	ug/Kg	11/03/25 17:35	PB170342
108-60-1	2,2-oxybis(1-Chloropropane)	1700		1	49.9	230	ug/Kg	11/03/25 17:35	PB170342
98-86-2	Acetophenone	1900		1	39.2	230	ug/Kg	11/03/25 17:35	PB170342
65794-96-9	3+4-Methylphenols	1900		1	54.6	440	ug/Kg	11/03/25 17:35	PB170342
621-64-7	n-Nitroso-di-n-propylamine	1800		1	63.0	110	ug/Kg	11/03/25 17:35	PB170342
67-72-1	Hexachloroethane	1900		1	23.4	230	ug/Kg	11/03/25 17:35	PB170342
98-95-3	Nitrobenzene	1900		1	24.3	230	ug/Kg	11/03/25 17:35	PB170342
78-59-1	Isophorone	1900		1	43.6	230	ug/Kg	11/03/25 17:35	PB170342
88-75-5	2-Nitrophenol	2700		1	77.4	230	ug/Kg	11/03/25 17:35	PB170342
105-67-9	2,4-Dimethylphenol	2200		1	86.1	230	ug/Kg	11/03/25 17:35	PB170342
111-91-1	bis(2-Chloroethoxy)methane	1900		1	40.9	230	ug/Kg	11/03/25 17:35	PB170342
120-83-2	2,4-Dichlorophenol	2100		1	37.6	230	ug/Kg	11/03/25 17:35	PB170342
91-20-3	Naphthalene	1900		1	30.2	230	ug/Kg	11/03/25 17:35	PB170342
106-47-8	4-Chloroaniline	810		1	47.1	230	ug/Kg	11/03/25 17:35	PB170342
87-68-3	Hexachlorobutadiene	1900		1	33.6	230	ug/Kg	11/03/25 17:35	PB170342
105-60-2	Caprolactam	2100		1	69.3	440	ug/Kg	11/03/25 17:35	PB170342
59-50-7	4-Chloro-3-methylphenol	2100		1	38.2	230	ug/Kg	11/03/25 17:35	PB170342
91-57-6	2-Methylnaphthalene	1700		1	34.0	230	ug/Kg	11/03/25 17:35	PB170342
77-47-4	Hexachlorocyclopentadiene	5800	E	1	150	440	ug/Kg	11/03/25 17:35	PB170342
88-06-2	2,4,6-Trichlorophenol	2300		1	26.3	230	ug/Kg	11/03/25 17:35	PB170342
95-95-4	2,4,5-Trichlorophenol	2100		1	38.7	230	ug/Kg	11/03/25 17:35	PB170342
92-52-4	1,1-Biphenyl	1900		1	29.0	230	ug/Kg	11/03/25 17:35	PB170342
91-58-7	2-Chloronaphthalene	1900		1	29.9	230	ug/Kg	11/03/25 17:35	PB170342
88-74-4	2-Nitroaniline	2100		1	63.9	230	ug/Kg	11/03/25 17:35	PB170342
131-11-3	Dimethylphthalate	1900		1	36.0	230	ug/Kg	11/03/25 17:35	PB170342
208-96-8	Acenaphthylene	2200		1	38.4	230	ug/Kg	11/03/25 17:35	PB170342
606-20-2	2,6-Dinitrotoluene	2200		1	44.7	230	ug/Kg	11/03/25 17:35	PB170342
99-09-2	3-Nitroaniline	1300		1	61.1	230	ug/Kg	11/03/25 17:35	PB170342
83-32-9	Acenaphthene	1800		1	28.3	230	ug/Kg	11/03/25 17:35	PB170342
51-28-5	2,4-Dinitrophenol	4400	E	1	300	440	ug/Kg	11/03/25 17:35	PB170342
100-02-7	4-Nitrophenol	4300	E	1	140	440	ug/Kg	11/03/25 17:35	PB170342
132-64-9	Dibenzofuran	1900		1	30.2	230	ug/Kg	11/03/25 17:35	PB170342
121-14-2	2,4-Dinitrotoluene	2100		1	66.6	230	ug/Kg	11/03/25 17:35	PB170342
84-66-2	Diethylphthalate	2000		1	37.6	230	ug/Kg	11/03/25 17:35	PB170342
7005-72-3	4-Chlorophenyl-phenylether	1900		1	35.5	230	ug/Kg	11/03/25 17:35	PB170342
86-73-7	Fluorene	1900		1	33.6	230	ug/Kg	11/03/25 17:35	PB170342
100-01-6	4-Nitroaniline	2100		1	85.3	230	ug/Kg	11/03/25 17:35	PB170342
534-52-1	4,6-Dinitro-2-methylphenol	2500		1	140	440	ug/Kg	11/03/25 17:35	PB170342



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2MSD		SDG No.:	Q3495
Lab Sample ID:	Q3495-02MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1900		1	43.7	230	ug/Kg	11/03/25 17:35	PB170342
101-55-3	4-Bromophenyl-phenylether	1900		1	37.0	230	ug/Kg	11/03/25 17:35	PB170342
118-74-1	Hexachlorobenzene	1900		1	33.6	230	ug/Kg	11/03/25 17:35	PB170342
1912-24-9	Atrazine	2200		1	45.2	230	ug/Kg	11/03/25 17:35	PB170342
87-86-5	Pentachlorophenol	4500	E	1	68.2	440	ug/Kg	11/03/25 17:35	PB170342
85-01-8	Phenanthrene	1900		1	27.8	230	ug/Kg	11/03/25 17:35	PB170342
120-12-7	Anthracene	1900		1	44.3	230	ug/Kg	11/03/25 17:35	PB170342
86-74-8	Carbazole	1900		1	41.5	230	ug/Kg	11/03/25 17:35	PB170342
84-74-2	Di-n-butylphthalate	2100		1	63.7	230	ug/Kg	11/03/25 17:35	PB170342
206-44-0	Fluoranthene	1900		1	39.9	230	ug/Kg	11/03/25 17:35	PB170342
129-00-0	Pyrene	2000		1	47.9	230	ug/Kg	11/03/25 17:35	PB170342
85-68-7	Butylbenzylphthalate	2300		1	94.9	230	ug/Kg	11/03/25 17:35	PB170342
91-94-1	3,3-Dichlorobenzidine	1600		1	48.8	440	ug/Kg	11/03/25 17:35	PB170342
56-55-3	Benzo(a)anthracene	1900		1	30.6	230	ug/Kg	11/03/25 17:35	PB170342
218-01-9	Chrysene	1900		1	26.5	230	ug/Kg	11/03/25 17:35	PB170342
117-81-7	Bis(2-ethylhexyl)phthalate	2100		1	78.7	230	ug/Kg	11/03/25 17:35	PB170342
117-84-0	Di-n-octyl phthalate	2500		1	120	440	ug/Kg	11/03/25 17:35	PB170342
205-99-2	Benzo(b)fluoranthene	1900		1	25.3	230	ug/Kg	11/03/25 17:35	PB170342
207-08-9	Benzo(k)fluoranthene	1900		1	29.8	230	ug/Kg	11/03/25 17:35	PB170342
50-32-8	Benzo(a)pyrene	2100		1	39.2	230	ug/Kg	11/03/25 17:35	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	2000		1	38.7	230	ug/Kg	11/03/25 17:35	PB170342
53-70-3	Dibenzo(a,h)anthracene	2000		1	36.4	230	ug/Kg	11/03/25 17:35	PB170342
191-24-2	Benzo(g,h,i)perylene	2100		1	34.2	230	ug/Kg	11/03/25 17:35	PB170342
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		1	34.0	230	ug/Kg	11/03/25 17:35	PB170342
123-91-1	1,4-Dioxane	1600		1	60.1	230	ug/Kg	11/03/25 17:35	PB170342
58-90-2	2,3,4,6-Tetrachlorophenol	2400		1	36.4	230	ug/Kg	11/03/25 17:35	PB170342

SURROGATES

367-12-4	2-Fluorophenol	66.9		18 - 112	45%	SPK: 150
13127-88-3	Phenol-d6	67.0		15 - 107	45%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.1		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.7		20 - 109	41%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.4		10 - 116	50%	SPK: 150
1718-51-0	Terphenyl-d14	42.9		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	346000
1146-65-2	Naphthalene-d8	1340000
15067-26-2	Acenaphthene-d10	838000
1517-22-2	Phenanthrene-d10	1700000
1719-03-5	Chrysene-d12	1740000
1520-96-3	Perylene-d12	1960000



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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	10/27/25
Project:	Maclearie Park		Date Received:	10/29/25
Client Sample ID:	SB-1025-2MSD		SDG No.:	Q3495
Lab Sample ID:	Q3495-02MSD		Matrix:	SOIL
Analytical Method:	8270E	Level: LOW	% Solid:	75.1
Sample Wt/Vol:	30.05 g	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3541	Prep Date: 10/31/25		

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_P\Data\BP110325\
 Data File : BP026062.D
 Acq On : 03 Nov 2025 17:35
 Operator : RC/JU
 Sample : Q3495-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1025-2MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 17:55:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	345956	20.000	ng	0.00
21) Naphthalene-d8	10.448	136	1339139	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	838184	20.000	ng	0.00
64) Phenanthrene-d10	17.130	188	1700831	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1741305	20.000	ng	0.01
86) Perylene-d12	24.901	264	1964578	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	1402287	66.885	ng	0.00
7) Phenol-d6	6.855	99	1788683	67.029	ng	0.00
23) Nitrobenzene-d5	8.819	82	990160	46.094	ng	0.00
42) 2,4,6-Tribromophenol	15.842	330	683138	75.388	ng	0.01
45) 2-Fluorobiphenyl	12.931	172	2373751	40.694	ng	0.00
79) Terphenyl-d14	19.871	244	3672530	42.850	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	324097	36.669	ng	98
3) Pyridine	3.619	79	876612	34.889	ng	98
4) n-Nitrosodimethylamine	3.531	42	415005	41.211	ng	95
6) Aniline	7.013	93	1062972	29.847	ng	98
8) 2-Chlorophenol	7.255	128	1047831	45.133	ng	97
9) Benzaldehyde	6.831	77	578623	41.711	ng	96
10) Phenol	6.884	94	1266278	42.743	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	933173	39.913	ng	100
12) 1,3-Dichlorobenzene	7.572	146	1112065	41.709	ng	98
13) 1,4-Dichlorobenzene	7.719	146	1144096	42.441	ng	98
14) 1,2-Dichlorobenzene	8.031	146	1096934	42.643	ng	100
15) Benzyl Alcohol	7.913	79	834687	43.388	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.201	45	1317067	37.273	ng	98
17) 2-Methylphenol	8.119	107	849875	43.810	ng	98
18) Hexachloroethane	8.754	117	390595	42.343	ng	99
19) n-Nitroso-di-n-propyla...	8.478	70	677161	40.879	ng	97
20) 3+4-Methylphenols	8.437	107	1153310	42.735	ng	99
22) Acetophenone	8.490	105	1445488	42.681	ng	# 97
24) Nitrobenzene	8.860	77	998094	44.006	ng	98
25) Isophorone	9.390	82	1938648	42.164	ng	99
26) 2-Nitrophenol	9.566	139	516379	61.081	ng	97
27) 2,4-Dimethylphenol	9.637	122	968769	50.104	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	1224727	42.266	ng	99
29) 2,4-Dichlorophenol	10.101	162	958620	46.956	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1001794	45.147	ng	98
31) Naphthalene	10.496	128	3055988	41.848	ng	100
32) Benzoic acid	9.760	122	774891	60.501	ng	95
33) 4-Chloroaniline	10.601	127	510560	18.194	ng	99
34) Hexachlorobutadiene	10.795	225	598063	42.413	ng	99
35) Caprolactam	11.372	113	337662	47.099	ng	92
36) 4-Chloro-3-methylphenol	11.737	107	1007525	47.078	ng	97
37) 2-Methylnaphthalene	12.119	142	1938577	37.929	ng	99
38) 1-Methylnaphthalene	12.342	142	2017843	40.638	ng	99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1077175	41.361	ng	99
41) Hexachlorocyclopentadiene	12.478	237	1243244	130.473	ng	97
43) 2,4,6-Trichlorophenol	12.731	196	782493	50.832	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026062.D
 Acq On : 03 Nov 2025 17:35
 Operator : RC/JU
 Sample : Q3495-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-1025-2MSD

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 17:55:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.801	196	850932	48.444	ng	98
46) 1,1'-Biphenyl	13.142	154	2771814	43.188	ng	99
47) 2-Chloronaphthalene	13.178	162	2108910	41.763	ng	99
48) 2-Nitroaniline	13.378	65	621752	47.854	ng	99
49) Acenaphthylene	14.036	152	3660936	49.742	ng	100
50) Dimethylphthalate	13.778	163	2659719	43.625	ng	100
51) 2,6-Dinitrotoluene	13.884	165	571822	50.094	ng	97
52) Acenaphthene	14.389	154	2102593	41.614	ng	99
53) 3-Nitroaniline	14.207	138	377478	28.609	ng	99
54) 2,4-Dinitrophenol	14.425	184	591250	99.558	ng	98
55) Dibenzofuran	14.736	168	3263619	42.752	ng	98
56) 4-Nitrophenol	14.531	139	1170731	96.298	ng	97
57) 2,4-Dinitrotoluene	14.684	165	807931	48.292	ng	94
58) Fluorene	15.389	166	2584473	43.214	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.960	232	750291	54.326	ng	99
60) Diethylphthalate	15.178	149	2723574	44.435	ng	99
61) 4-Chlorophenyl-phenyle...	15.395	204	1259202	42.161	ng	98
62) 4-Nitroaniline	15.401	138	618513	47.475	ng	95
63) Azobenzene	15.689	77	2620845	47.180	ng	98
65) 4,6-Dinitro-2-methylph...	15.466	198	406212	56.067	ng	95
66) n-Nitrosodiphenylamine	15.601	169	2332051	43.853	ng	99
67) 4-Bromophenyl-phenylether	16.313	248	822145	43.577	ng	96
68) Hexachlorobenzene	16.413	284	926997	43.161	ng	99
69) Atrazine	16.589	200	872262	48.623	ng	98
70) Pentachlorophenol	16.766	266	1328307	101.252	ng	100
71) Phenanthrene	17.172	178	4173304	42.156	ng	100
72) Anthracene	17.266	178	4278369	43.598	ng	100
73) Carbazole	17.542	167	4064676	43.757	ng	99
74) Di-n-butylphthalate	18.148	149	4915908	47.295	ng	100
75) Fluoranthene	19.266	202	4951949	42.881	ng	98
77) Benzidine	19.460	184	2913359	65.915	ng	99
78) Pyrene	19.642	202	5196427	44.123	ng	100
80) Butylbenzylphthalate	20.613	149	2290813	51.809	ng	99
81) Benzo(a)anthracene	21.560	228	5148001	43.023	ng	99
82) 3,3'-Dichlorobenzidine	21.471	252	1419085	36.808	ng	100
83) Chrysene	21.624	228	4879542	43.049	ng	100
84) Bis(2-ethylhexyl)phtha...	21.524	149	3379081	48.142	ng	99
85) Di-n-octyl phthalate	22.807	149	5812672	56.076	ng	97
87) Indeno(1,2,3-cd)pyrene	28.671	276	6582442m	45.384	ng	
88) Benzo(b)fluoranthene	23.842	252	5232886	42.907	ng	100
89) Benzo(k)fluoranthene	23.918	252	5472430	43.941	ng	100
90) Benzo(a)pyrene	24.742	252	5194536	46.362	ng	100
91) Dibenzo(a,h)anthracene	28.765	278	5395679	45.714	ng	99
92) Benzo(g,h,i)perylene	29.842	276	5296260m	46.630	ng	

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

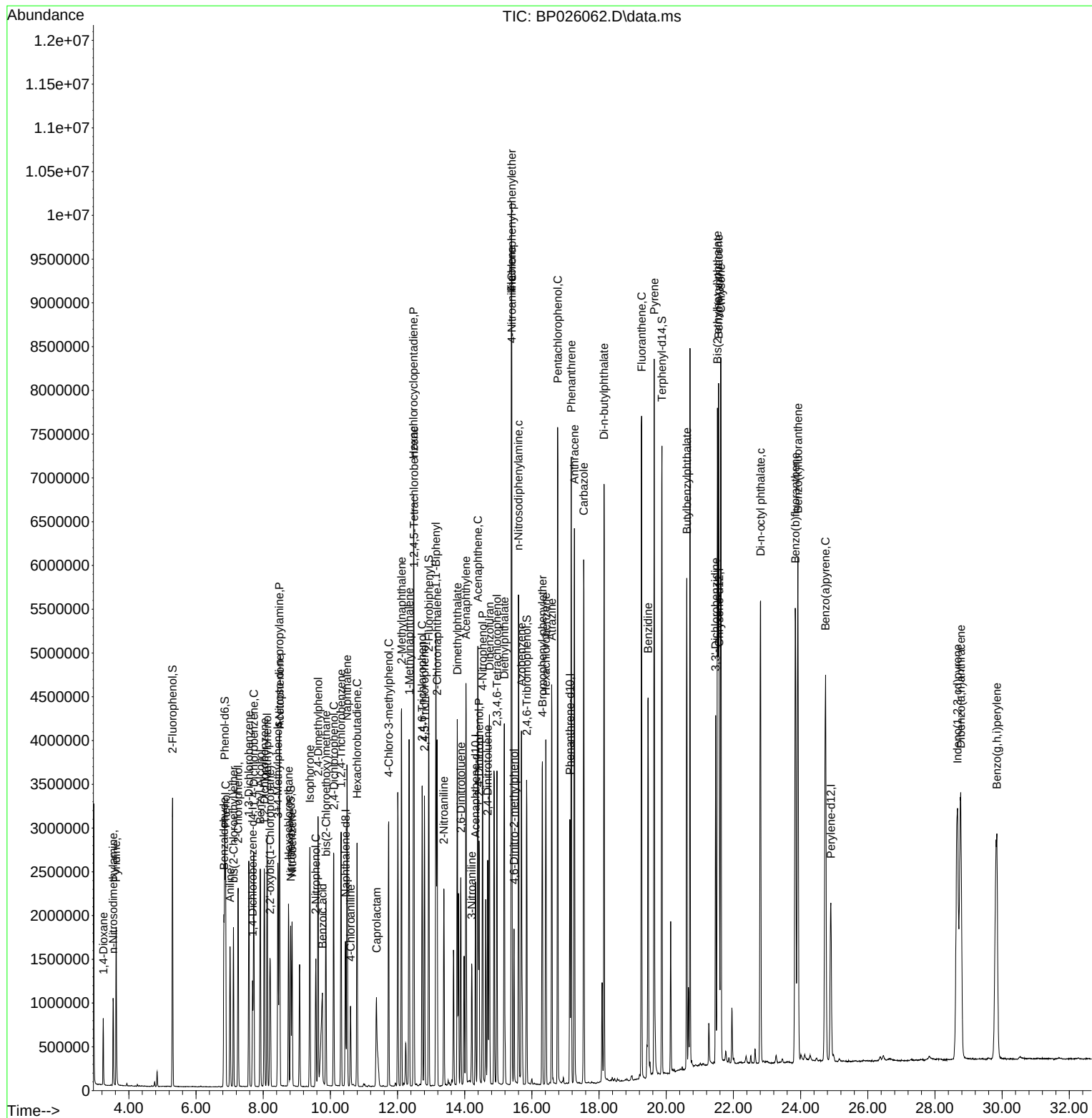

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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\  
Data File : BP026062.D  
Acq On    : 03 Nov 2025   17:35  
Operator  : RC/JU  
Sample    : Q3495-02MSD  
Misc      :  
ALS Vial  : 11    Sample Multiplier: 1
```

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 17:55:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 30 11:51:34 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	Jagrut	11/4/2025 3:47:57 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	Jagrut	11/4/2025 3:48:00 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BG103125

Instrument

BNA_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	BP102925	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BP026030.D	Benzaldehyde	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC010	BP026030.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:02 AM	Jagrut	11/4/2025 3:52:40 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Benzaldehyde	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC020	BP026031.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:04 AM	Jagrut	11/4/2025 3:52:42 PM	Peak Integrated by Software
SSTDICC050	BP026033.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:07 AM	Jagrut	11/4/2025 3:52:45 PM	Peak Integrated by Software
SSTDICC080	BP026035.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 8:52:09 AM	Jagrut	11/4/2025 3:52:47 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Benzaldehyde	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software
SSTDICV040	BP026036.D	Indeno(1,2,3-cd)pyrene	rahul	10/30/2025 4:44:10 PM	Jagrut	11/4/2025 3:52:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BP110325	Instrument	BNA_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170342BS	BP026055.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/4/2025 4:00:36 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software
PB170346BS	BP026057.D	Caprolactam	Jagrut	11/4/2025 4:00:39 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software
PB170346BS	BP026057.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/4/2025 4:00:39 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software
PB170346BSD	BP026058.D	Caprolactam	Jagrut	11/4/2025 4:00:41 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software
Q3495-02MSD	BP026062.D	Benzo(g,h,i)perylene	Jagrut	11/4/2025 4:00:44 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software
Q3495-02MSD	BP026062.D	Indeno(1,2,3-cd)pyrene	Jagrut	11/4/2025 4:00:44 PM	mohammad	11/6/2025 12:53:42 AM	Peak Integrated by Software

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13179,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM
SubDirectory	BG103125	HP Acquire Method	BNA_G
		HP Processing Method	BG102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13181,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064653.D	31 Oct 2025 12:42	RC/JU	Ok
2	SSTDCCC040	BG064654.D	31 Oct 2025 13:24	RC/JU	Ok
3	PB170342BL	BG064655.D	31 Oct 2025 14:04	RC/JU	Not Ok
4	Q3447-08	BG064656.D	31 Oct 2025 14:50	RC/JU	Ok
5	Q3497-01	BG064657.D	31 Oct 2025 15:31	RC/JU	Ok
6	Q3504-01	BG064658.D	31 Oct 2025 16:12	RC/JU	Ok
7	Q3496-01	BG064659.D	31 Oct 2025 16:54	RC/JU	Ok
8	Q3477-03	BG064660.D	31 Oct 2025 17:35	RC/JU	Ok
9	Q3495-01	BG064661.D	31 Oct 2025 18:16	RC/JU	Ok
10	Q3495-03	BG064662.D	31 Oct 2025 18:57	RC/JU	Ok
11	Q3503-05	BG064663.D	31 Oct 2025 19:38	RC/JU	Ok
12	Q3503-01	BG064664.D	31 Oct 2025 20:19	RC/JU	Ok
13	Q3486-07	BG064665.D	31 Oct 2025 21:00	RC/JU	Ok,M
14	Q3486-03DL	BG064666.D	31 Oct 2025 21:41	RC/JU	Ok,M
15	Q3503-03	BG064667.D	31 Oct 2025 22:22	RC/JU	Ok
16	Q3501-01	BG064668.D	31 Oct 2025 23:04	RC/JU	Ok
17	Q3499-01	BG064669.D	31 Oct 2025 23:45	RC/JU	Ok
18	Q3486-07DL	BG064670.D	1 Nov 2025 00:27	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM
SubDirectory	BP102925	HP Acquire Method	BNA_P
		HP Processing Method	BP102925
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13180,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026027.D	29 Oct 2025 08:45	RC/JU	Ok
2	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26	RC/JU	Ok
3	SSTDICC005	BP026029.D	29 Oct 2025 10:07	RC/JU	Ok
4	SSTDICC010	BP026030.D	29 Oct 2025 10:48	RC/JU	Ok,M
5	SSTDICC020	BP026031.D	29 Oct 2025 11:29	RC/JU	Ok,M
6	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	RC/JU	Ok
7	SSTDICC050	BP026033.D	29 Oct 2025 12:51	RC/JU	Ok,M
8	SSTDICC060	BP026034.D	29 Oct 2025 13:32	RC/JU	Ok
9	SSTDICC080	BP026035.D	29 Oct 2025 14:13	RC/JU	Ok,M
10	SSTDICV040	BP026036.D	29 Oct 2025 16:09	RC/JU	Ok,M
11	PB170259BL	BP026037.D	29 Oct 2025 16:50	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP110325

Review By	rahul	Review On	11/3/2025 3:19:18 PM
Supervise By	mohammad	Supervise On	11/6/2025 12:53:42 AM
SubDirectory	BP110325	HP Acquire Method	BNA_P
		HP Processing Method	BP102925
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13181,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP026052.D	03 Nov 2025 10:08	RC/JU	Ok
2	SSTDCCC040	BP026053.D	03 Nov 2025 11:06	RC/JU	Ok
3	PB170342BL	BP026054.D	03 Nov 2025 11:47	RC/JU	Ok
4	PB170342BS	BP026055.D	03 Nov 2025 12:29	RC/JU	Ok,M
5	PB170346BL	BP026056.D	03 Nov 2025 13:21	RC/JU	Ok
6	PB170346BS	BP026057.D	03 Nov 2025 14:03	RC/JU	Ok,M
7	PB170346BSD	BP026058.D	03 Nov 2025 14:44	RC/JU	Ok,M
8	Q3494-01	BP026059.D	03 Nov 2025 15:32	RC/JU	Ok
9	Q3495-02	BP026060.D	03 Nov 2025 16:13	RC/JU	Ok
10	Q3495-02MS	BP026061.D	03 Nov 2025 16:54	RC/JU	Ok
11	Q3495-02MSD	BP026062.D	03 Nov 2025 17:35	RC/JU	Ok,M
12	Q3519-01	BP026063.D	03 Nov 2025 18:16	RC/JU	Ok,M
13	Q3519-01MS	BP026064.D	03 Nov 2025 18:57	RC/JU	Ok,M
14	Q3519-01MSD	BP026065.D	03 Nov 2025 19:39	RC/JU	Ok
15	Q3515-01	BP026066.D	03 Nov 2025 20:20	RC/JU	Dilution
16	Q3520-01	BP026067.D	03 Nov 2025 21:01	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM
Supervise By	mohammad	Supervise On	11/5/2025 12:11:16 AM
SubDirectory	BG102425	HP Acquire Method	BNA_G
		HP Processing Method	BG102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13179,10ul/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	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23	Compound #32 kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM
SubDirectory	BG103125	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/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	BG064653.D	31 Oct 2025 12:42		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064654.D	31 Oct 2025 13:24		RC/JU	Ok
3	PB170342BL	PB170342BL	BG064655.D	31 Oct 2025 14:04	Analyzed for contamination check	RC/JU	Not Ok
4	Q3447-08	P001-TW4-251023-01	BG064656.D	31 Oct 2025 14:50		RC/JU	Ok
5	Q3497-01	OK-01-103025	BG064657.D	31 Oct 2025 15:31		RC/JU	Ok
6	Q3504-01	72-11986	BG064658.D	31 Oct 2025 16:12		RC/JU	Ok
7	Q3496-01	DRILL-CUTTINGS	BG064659.D	31 Oct 2025 16:54		RC/JU	Ok
8	Q3477-03	SOUTH-MAHWAH-WA	BG064660.D	31 Oct 2025 17:35		RC/JU	Ok
9	Q3495-01	SB-1025-1	BG064661.D	31 Oct 2025 18:16		RC/JU	Ok
10	Q3495-03	TW-1025-1	BG064662.D	31 Oct 2025 18:57		RC/JU	Ok
11	Q3503-05	324	BG064663.D	31 Oct 2025 19:38		RC/JU	Ok
12	Q3503-01	322	BG064664.D	31 Oct 2025 20:19		RC/JU	Ok
13	Q3486-07	TP6	BG064665.D	31 Oct 2025 21:00		RC/JU	Ok,M
14	Q3486-03DL	TP4DL	BG064666.D	31 Oct 2025 21:41		RC/JU	Ok,M
15	Q3503-03	323	BG064667.D	31 Oct 2025 22:22		RC/JU	Ok
16	Q3501-01	461	BG064668.D	31 Oct 2025 23:04		RC/JU	Ok
17	Q3499-01	RBR251235	BG064669.D	31 Oct 2025 23:45		RC/JU	Ok

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG103125

Review By	rahul	Review On	11/3/2025 3:20:11 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:48 AM		
SubDirectory	BG103125	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3486-07DL	TP6DL	BG064670.D	1 Nov 2025 00:27	Not Required	RC/JU	Not Ok
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M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP102925

Review By	rahul	Review On	10/30/2025 8:52:33 AM
Supervise By	Jagrut	Supervise On	11/4/2025 3:53:07 PM
SubDirectory	BP102925	HP Acquire Method	BNA_P
		HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/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	BP026027.D	29 Oct 2025 08:45		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP026028.D	29 Oct 2025 09:26		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP026029.D	29 Oct 2025 10:07		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BP026030.D	29 Oct 2025 10:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP026031.D	29 Oct 2025 11:29		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP026032.D	29 Oct 2025 12:10	Compound #26,48,51,53,57,80,84 are kept on LR & Compound #32,54,65 are kept on QR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP026033.D	29 Oct 2025 12:51		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP026034.D	29 Oct 2025 13:32		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP026035.D	29 Oct 2025 14:13	Compound #26 is removed from 80ppm & 60PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP102925	BP026036.D	29 Oct 2025 16:09		RC/JU	Ok,M
11	PB170259BL	PB170259BL	BP026037.D	29 Oct 2025 16:50		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP110325

Review By	rahul	Review On	11/3/2025 3:19:18 PM
Supervise By	mohammad	Supervise On	11/6/2025 12:53:42 AM
SubDirectory	BP110325	HP Acquire Method	BNA_P
		HP Processing Method	BP102925

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13181,10ul/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	BP026052.D	03 Nov 2025 10:08		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP026053.D	03 Nov 2025 11:06		RC/JU	Ok
3	PB170342BL	PB170342BL	BP026054.D	03 Nov 2025 11:47		RC/JU	Ok
4	PB170342BS	PB170342BS	BP026055.D	03 Nov 2025 12:29		RC/JU	Ok,M
5	PB170346BL	PB170346BL	BP026056.D	03 Nov 2025 13:21		RC/JU	Ok
6	PB170346BS	PB170346BS	BP026057.D	03 Nov 2025 14:03		RC/JU	Ok,M
7	PB170346BSD	PB170346BSD	BP026058.D	03 Nov 2025 14:44		RC/JU	Ok,M
8	Q3494-01	MW3	BP026059.D	03 Nov 2025 15:32		RC/JU	Ok
9	Q3495-02	SB-1025-2	BP026060.D	03 Nov 2025 16:13		RC/JU	Ok
10	Q3495-02MS	SB-1025-2MS	BP026061.D	03 Nov 2025 16:54		RC/JU	Ok
11	Q3495-02MSD	SB-1025-2MSD	BP026062.D	03 Nov 2025 17:35		RC/JU	Ok,M
12	Q3519-01	PL-01-103125	BP026063.D	03 Nov 2025 18:16		RC/JU	Ok,M
13	Q3519-01MS	PL-01-103125MS	BP026064.D	03 Nov 2025 18:57		RC/JU	Ok,M
14	Q3519-01MSD	PL-01-103125MSD	BP026065.D	03 Nov 2025 19:39		RC/JU	Ok
15	Q3515-01	SU-04-103125	BP026066.D	03 Nov 2025 20:20	Need further 2X dilution	RC/JU	Dilution
16	Q3520-01	EO-02-103125	BP026067.D	03 Nov 2025 21:01	Analyze with a lower DF	RC/JU	Not Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3483-24	HW1025-PT-SOL-SOIL	1	1.16	10.70	11.86	9.24	75.5	
Q3487-01	KZZ294Z-A	2	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-02	KZZ294Z-B	3	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-03	KZZ256R-A	4	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-04	KZZ256R-B	5	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-05	JEH623H-A	6	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-06	JEH623H-B	7	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-07	M3-A	8	1.00	1.00	2.00	2.00	100.0	PILC
Q3487-08	M3-B	9	1.00	1.00	2.00	2.00	100.0	PILC
Q3488-01	MOO-25-0294-0298	10	1.00	1.00	2.00	2.00	100.0	Concrete sample
Q3488-02	MOO-25-0299	11	1.15	10.33	11.48	10.88	94.2	
Q3488-04	MOO-25-0302-0310	12	1.18	10.45	11.63	10.08	85.2	
Q3488-05	MOO-25-0302-0310	13	1.15	10.46	11.61	10.7	91.3	
Q3488-06	MOO-25-0311-0313	46	1.15	10.37	11.52	10.64	91.5	
Q3489-01	245F72-A	14	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-02	245F72-B	15	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-03	L54-A	16	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-04	L54-B	17	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-05	L55-A	18	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-06	L55-A	19	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-07	L56-A	20	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-08	L56-B	21	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-09	L57-A	22	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-10	L57-B	23	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-11	L58-A	24	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-12	L58-2	25	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-13	L59-A	26	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-14	L59-B	27	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:20
Out Date: 10/31/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137714

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
Q3489-15	L60-A	28	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-16	L60-B	29	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-17	L61-A	30	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-18	L61-B	31	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-19	L62-A	32	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-20	L62-B	33	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-21	L63-A	34	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-22	L63-B	35	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-23	L64-A	36	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-24	L64-B	37	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-25	L65-A	38	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-26	L65-B	39	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-27	STC21-A	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-28	STC21-B	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-29	STF24-A	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3489-30	STF24-B	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3490-01	LAW-25-0151	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3491-01	SOIL-CUTTINGS-COMP	45	1.18	10.80	11.98	9.13	73.6	
Q3495-01	SB-1025-1	47	1.19	10.24	11.43	8.99	76.2	
Q3495-02	SB-1025-2	48	1.14	10.43	11.57	8.97	75.1	
Q3496-01	DRILL-CUTTINGS	49	1.19	10.61	11.8	10.33	86.1	
Q3496-02	DRILL-CUTTINGS-E2	50	1.13	10.49	11.62	10.11	85.6	
Q3497-01	OK-01-103025	51	1.13	10.93	12.06	10.37	84.5	
Q3497-02	OK-01-103025-E2	52	1.19	10.59	11.78	10.25	85.6	

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

WORKLIST(Hardcopy Internal Chain)

137714

WorkList Name : %1-103025 WorkList ID : 192793 Department : Wet-Chemistry Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3483-24	HW1025-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	10/27/2025	Chemtech -SO
Q3487-01	KZZ294Z-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-02	KZZ294Z-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-03	KZZ256R-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-04	KZZ256R-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-05	JEH623H-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-06	JEH623H-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-07	M3-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3487-08	M3-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/29/2025	Chemtech -SO
Q3488-01	MOO-25-0294-0298	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-02	MOO-25-0299	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-04	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-05	MOO-25-0302-0310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3488-06	MOO-25-0311-0313	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-01	245F72-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-02	245F72-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-03	L54-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-04	L54-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-05	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-06	L55-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-07	L56-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:00 Date/Time 10/30/25 17:30
 Raw Sample Received by: JG (wvc) Raw Sample Received by: RS (L54-L56)
 Raw Sample Relinquished by: RS (L54-L56) Raw Sample Relinquished by: JG (wvc)

WORKLIST(Hardcopy Internal Chain)

WB 137714

WorkList Name : %1-103025 WorkList ID : 192793 Department : Wet-Chemistry Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-08	L56-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-09	L57-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-10	L57-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-11	L58-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-12	L58-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-13	L59-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-14	L59-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-15	L60-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-16	L60-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-17	L61-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-18	L61-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-19	L62-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-20	L62-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-21	L63-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-22	L63-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-23	L64-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-24	L64-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-25	L65-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-26	L65-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-27	STC21-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-28	STC21-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO

Date/Time 10/30/25 15:30
 Raw Sample Received by: sg wvc
 Raw Sample Relinquished by: RS C EIT-1260

Date/Time 10/30/25 17:30
 Raw Sample Received by: RS C EIT-1260
 Raw Sample Relinquished by: sg wvc

WORKLIST(Hardcopy Internal Chain)

UB 13FF14

WorkList Name : %1-103025 WorkList ID : 192793 Department : Wet-Chemistry Date : 10-30-2025 10:50:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3489-29	STF24-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3489-30	STF24-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3490-01	LAW-25-0151	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3491-01	SOIL-CUTTINGS-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/29/2025	Chemtech -SO
Q3495-01	SB-1025-1	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3495-02	SB-1025-2	Solid	Percent Solids	Cool 4 deg C	REMI02	D51	10/27/2025	Chemtech -SO
Q3496-01	DRILL-CUTTINGS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3496-02	DRILL-CUTTINGS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/30/2025	Chemtech -SO
Q3497-01	OK-01-103025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO
Q3497-02	OK-01-103025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/30/2025	Chemtech -SO

Date/Time 10/30/25 15:00
 Raw Sample Received by: SB WWC
 Raw Sample Relinquished by: RS C (EIT-1066)

Date/Time 10/30/25 17:30
 Raw Sample Received by: RS C (EIT-1066)
 Raw Sample Relinquished by: SB WWC

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A **Extraction Start Date :** 10/31/2025

Matrix : Solid **Extraction Start Time :** 09:30

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 10/31/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 12:45

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous 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	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2655
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
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. Q3500-01, Q3501-01 & Q3502-01 used Limited volume as samples are oil & Oily Debris.

KD Bath ID: N/A **Envap ID:** N-EVAP-02

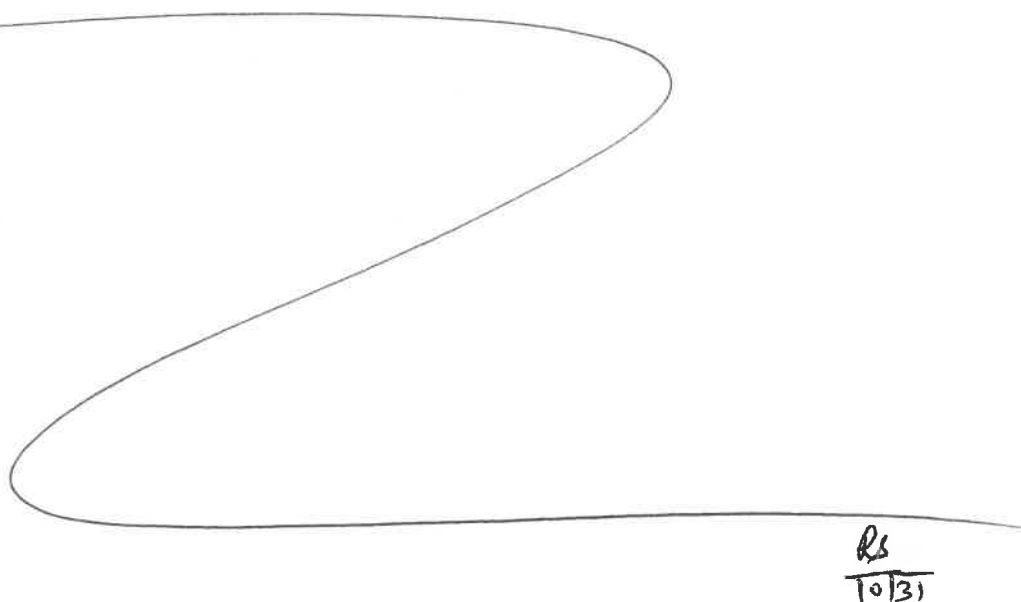
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/31/25	R8 (Ext-Lab)	JY 810C
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/31/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170342BL	SBLK342	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U2-1
PB170342BS	SLCS342	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q3495-01	SB-1025-1	SVOC-PAH	30.06	N/A	ritesh	Evelyn	1	B		3
Q3495-02	SB-1025-2	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4
Q3495-02MS	SB-1025-2MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		5
Q3495-02MS D	SB-1025-2MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		6
Q3496-01	DRILL-CUTTINGS	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		U3-1
Q3497-01	OK-01-103025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		2
Q3499-01	RBR251235	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		3
Q3501-01	461	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	E	Oily Debris	4
Q3503-01	322	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	1	E	Oily Debris	5
Q3503-03	323	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E	Small Particles	6
Q3503-05	324	SVOC-TCL BNA -20	5.07	N/A	ritesh	Evelyn	1	E	Oily Debris	U4-1
Q3504-01	72-11986	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		2



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3497

WorkList ID : 192812

Department : Extraction

Date : 10-31-2025 08:26:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3495-01	SB-1025-1	Solid	SVOC-PAH	Cool 4 deg C	REMI02	D51	10/27/2025	8270E
Q3495-02	SB-1025-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D51	10/27/2025	8270E
Q3496-01	DRILL-CUTTINGS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3497-01	OK-01-103025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	10/30/2025	8270E
Q3499-01	RBR251235	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3501-01	461	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3503-01	322	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3503-03	323	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3503-05	324	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E
Q3504-01	72-11986	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/30/2025	8270E

Date/Time 10/31/25 9:25
 Raw Sample Received by: R3 CFA-1000
 Raw Sample Relinquished by: JH 1000

Date/Time 10/31/25 9:50
 Raw Sample Received by: R3 CFA-1000
 Raw Sample Relinquished by: R3 CFA-1000

SOP ID:	M3510C,3580A-Extraction SVOC-21		
Clean Up SOP #:	N/A	Extraction Start Date :	10/31/2025
Matrix :	Water	Extraction Start Time :	08:30
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Filter By:	RS
Balance ID:	N/A	pH Meter ID:	N/A
pH Strip Lot#:	E3953	Hood ID:	4,6,7
Extraction Method:	☒ Separatory Funnel	☐ Continous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☐ Soxhlet
		Extraction End Date :	10/31/2025
		Extraction End Time :	13:25
		Concentration By:	EH
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6895
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID:	WATER BATH-1	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/31/25	RS (Env Lab)	JG/SVOC
13:30	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/31/2025

Sample ID	Client Sample ID	Test	g / 	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170346BL	SBLK346	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB170346BS	SLCS346	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
PB170346BS D	SLCSD346	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			3
Q3477-03	SOUTH-MAHWAH-WATER	SVOC-TCL BNA -20	980	6	RUPESH	ritesh	1	R		4
Q3494-01	MW3	SVOCMS Group2	970	6	RUPESH	ritesh	1	C		5
Q3495-03	TW-1025-1	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	E		6

RS
10/31

170248:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3494 WorkList ID : 192821 Department : Extraction Date : 10-31-2025 08:23:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3477-03	SOUTH-MAHWAH-WATER	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/28/2025	8270E
Q3494-01	MW3	Water	SVOCMS Group2	Cool 4 deg C	GENV01	J31	10/29/2025	8270E
Q3495-03	TW-1025-1	Water	SVOC-TCL BNA -20	Cool 4 deg C	REMI02	D51	10/27/2025	8270E

Date/Time 10/31/25 8:25
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RS (Ext Lab)

Date/Time 10/31/25 9:00
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: RS (Ext Lab)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Remington Vernick Engineers
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NT ZIP: 08003
ATTENTION: Kyle Carson nk.com
PHONE: 856-795-9595 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Mockane Park SI
PROJECT NO.: 130TD25 LOCATION: Belmar, NJ
PROJECT MANAGER: Kyle Carson
e-mail: Kyle.Carlson@nk.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvolves@nk.com PO#: 130TD25
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NT ZIP: 08003
ATTENTION: Kyle Carson PHONE: 856-795-9595

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STAT 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: Hardsite

1. TCL PAHS
2. TAL Metals
3. VOCs
4. TCL PAHS
5. TAL Metals
6. VOCs
7. VOCs
8. VOCs
9. VOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E	A	E	B	D	F	F	F	← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	SB-1025-1	S		X	10/21/25	10:00	2	1	1									
2.	SB-1025-2	S		X	10/21/25	10:45	7		1		2			1	2	1	CH4, DI water DI water (M)	
3.	TW-1025-1	GW		X	10/21/25	11:15	8			2	4	1	1					
4.	Trip Blank	GW		X	10/24/25	08:00	4			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>Arriamater</u>	DATE/TIME: <u>10/21/25 11:30</u>	RECEIVED BY: <u>P. 1707</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.9</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u>10/21/25 11:30</u>	RECEIVED BY: <u>P. 1029-25</u>	Comments:
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>10/24/25 18:50</u>	RECEIVED BY: <u>[Signature]</u>	Page <u>1</u> of <u>1</u>

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Thursday, October 30, 2025 3:02 PM
To: Data-EWR; Yazmeen Gomez
Subject: Re: Login Summary Details For Project Maclearie Park-Q3495.

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Yazmeen - can I request addition of EPH Category 2 (non-fractionated) analysis for sample SB-10-25-2? I believe David had requested the bottleware for this analysis, but it was missed on the COC.

Please let me know if that would be possible, thanks!

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Thursday, October 30, 2025 2:39 PM
To: Kyle Carlson <Kyle.Carlson@rve.com>
Cc: YAZMEEN.GOMEZ@AllianceTG.com <YAZMEEN.GOMEZ@AllianceTG.com>
Subject: Login Summary Details For Project Maclearie Park-Q3495.



To Kyle Carlson;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID : Q3495
Project ID : Maclearie Park
Download File : <https://chemtech.net/secureLogin.aspx>
Order Date : 10/30/2025 10:45:41 AM

Alliance's Project Manager : YAZMEEN GOMEZ , YAZMEEN.GOMEZ@AllianceTG.com , 908-728-3147
Alliance's Sales Executive : Jordan Hedvat , Jordan.Hedvat@AllianceTG.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey <http://chemtech.net/ClientSurvey.aspx>.

Thank you,

Alliance Technical Group LLC.

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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 : Q3495	REMI02	Order Date : 10/30/2025 10:45:41 AM	Project Mgr :
Client Name : Remington & Vernick Engi		Project Name : Maclearie Park	Report Type : Level 1
Client Contact : Kyle Carlson		Receive DateTime : 10/30/2025 12:00:00 AM	EDD Type : EXCEL NJCLEANUP
Invoice Name : Remington & Vernick Engi		Purchase Order : <i>29</i> <i>18:52</i>	Hard Copy Date :
Invoice Contact : Kyle Carlson			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3495-02	SB-1025-2	Solid	10/27/2025	10:45					
					VOC-TCLVOA-10	TCL+30/TAL	8260D	10 Bus. Days	
Q3495-03	TW-1025-1	Water	10/27/2025	11:15					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low	10 Bus. Days	
Q3495-04	TB	Water	10/27/2025	08:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : *OR*

Date / Time : *10/30/25 11:31*

Received By : *[Signature]*

Date / Time : *10/30/25 11:31*

Storage Area : VOA Refridgerator Room

Ref # 6
Ref # 2
Ref # 4