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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 :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Raw Data: **BG064661.D**

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	10/27/25
Project:	Maclearie Park	Date Received:	10/29/25
Client Sample ID:	SB-1025-1	SDG No.:	Q3495
Lab Sample ID:	Q3495-01	Matrix:	SOIL
Analytical Method:	8270E Level: LOW	% Solid:	76.2
Sample Wt/Vol:	30.06 g Final Vol: 1000 uL	Test:	SVOC-PAH
Prep Method :	SW3541 Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	29.7	U	1	29.7	220	ug/Kg	10/31/25 18:16	PB170342
208-96-8	Acenaphthylene	37.9	U	1	37.9	220	ug/Kg	10/31/25 18:16	PB170342
83-32-9	Acenaphthene	27.9	U	1	27.9	220	ug/Kg	10/31/25 18:16	PB170342
86-73-7	Fluorene	33.1	U	1	33.1	220	ug/Kg	10/31/25 18:16	PB170342
85-01-8	Phenanthrene	27.4	U	1	27.4	220	ug/Kg	10/31/25 18:16	PB170342
120-12-7	Anthracene	43.6	U	1	43.6	220	ug/Kg	10/31/25 18:16	PB170342
206-44-0	Fluoranthene	39.3	U	1	39.3	220	ug/Kg	10/31/25 18:16	PB170342
129-00-0	Pyrene	47.1	U	1	47.1	220	ug/Kg	10/31/25 18:16	PB170342
56-55-3	Benzo(a)anthracene	30.1	U	1	30.1	220	ug/Kg	10/31/25 18:16	PB170342
218-01-9	Chrysene	26.1	U	1	26.1	220	ug/Kg	10/31/25 18:16	PB170342
205-99-2	Benzo(b)fluoranthene	24.9	U	1	24.9	220	ug/Kg	10/31/25 18:16	PB170342
207-08-9	Benzo(k)fluoranthene	29.3	U	1	29.3	220	ug/Kg	10/31/25 18:16	PB170342
50-32-8	Benzo(a)pyrene	38.6	U	1	38.6	220	ug/Kg	10/31/25 18:16	PB170342
193-39-5	Indeno(1,2,3-cd)pyrene	38.1	U	1	38.1	220	ug/Kg	10/31/25 18:16	PB170342
53-70-3	Dibenzo(a,h)anthracene	35.9	U	1	35.9	220	ug/Kg	10/31/25 18:16	PB170342
191-24-2	Benzo(g,h,i)perylene	33.7	U	1	33.7	220	ug/Kg	10/31/25 18:16	PB170342
SURROGATES									
4165-60-0	Nitrobenzene-d5	39.5			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	35.9			20 - 109	36%	SPK: 100		
1718-51-0	Terphenyl-d14	33.9			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34700							
1146-65-2	Naphthalene-d8	150000							
15067-26-2	Acenaphthene-d10	117000							
1517-22-2	Phenanthrene-d10	257000							
1719-03-5	Chrysene-d12	284000							
1520-96-3	Perylene-d12	312000							

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

QC SUMMARY

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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	Limits (%) High
PB170342BL	PB170342BL	Nitrobenzene-d5	100	86.0	86		18	107
		2-Fluorobiphenyl	100	82.9	83		20	109
		Terphenyl-d14	100	85.3	85		10	105
PB170342BS	PB170342BS	Nitrobenzene-d5	100	79.2	79		18	107
		2-Fluorobiphenyl	100	76.7	77		20	109
		Terphenyl-d14	100	80.8	81		10	105
Q3495-01	SB-1025-1	Nitrobenzene-d5	100	39.5	39		18	107
		2-Fluorobiphenyl	100	35.9	36		20	109
		Terphenyl-d14	100	33.9	34		10	105
Q3495-02MS	SB-1025-2MS	Nitrobenzene-d5	100	49.0	49		18	107
		2-Fluorobiphenyl	100	43.1	43		20	109
		Terphenyl-d14	100	43.2	43		10	105
Q3495-02MSD	SB-1025-2MSD	Nitrobenzene-d5	100	46.1	46		18	107
		2-Fluorobiphenyl	100	40.7	41		20	109
		Terphenyl-d14	100	42.9	43		10	105

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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	Limits Low	Limits High	RPD
Lab Sample ID: Q3495-02MS		**Client Sample ID: SB-1025-2MS**									
Naphthalene	2200	0	2000	ug/Kg	91				51	121	
Acenaphthylene	2200	0	2300	ug/Kg	105				57	125	
Acenaphthene	2200	0	1900	ug/Kg	86				70	121	
Fluorene	2200	0	2000	ug/Kg	91				53	118	
Phenanthrene	2200	0	2000	ug/Kg	91				52	128	
Anthracene	2200	0	2100	ug/Kg	95				62	124	
Fluoranthene	2200	0	2100	ug/Kg	95				44	125	
Pyrene	2200	0	1900	ug/Kg	86				37	122	
Benzo(a)anthracene	2200	0	2100	ug/Kg	95				53	119	
Chrysene	2200	0	2100	ug/Kg	95				57	121	
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	

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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	Limits Low	Limits High	RPD
Lab Sample ID: Q3495-02MSD		**Client Sample ID: SB-1025-2MSD**									
Naphthalene	2200	0	1900	ug/Kg	86		6		51	121	20
Acenaphthylene	2200	0	2200	ug/Kg	100		5		57	125	20
Acenaphthene	2200	0	1800	ug/Kg	82		5		70	121	20
Fluorene	2200	0	1900	ug/Kg	86		6		53	118	20
Phenanthrene	2200	0	1900	ug/Kg	86		6		52	128	20
Anthracene	2200	0	1900	ug/Kg	86		10		62	124	20
Fluoranthene	2200	0	1900	ug/Kg	86		10		44	125	20
Pyrene	2200	0	2000	ug/Kg	91		6		37	122	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
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

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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 Qual	Limits Low	Limits High	RPD
PB170342BS	Naphthalene	1700	1300	ug/Kg	76				62	100	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	Acenaphthene	1700	1300	ug/Kg	76				57	104	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	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	

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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-1025-2MS	Q3495-02MS	BP026061.D	11/03/2025
SB-1025-2MSD	Q3495-02MSD	BP026062.D	11/03/2025
SB-1025-1	Q3495-01	BG064661.D	10/31/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3495

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G 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 | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3495

Lab File ID: BG064653.D | DFTPP Injection Date: 10/31/2025

Instrument ID: BNA_G | 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	81.0
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
SB-1025-1	Q3495-01	BG064661.D	10/31/2025	18:16

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3495

Lab File ID: BP026027.D DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_P 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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3495

Lab File ID: BP026052.D DFTPP Injection Date: 11/03/2025

Instrument ID: BNA_P 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
SB-1025-2MS	Q3495-02MS	BP026061.D	11/03/2025	16:54
SB-1025-2MSD	Q3495-02MSD	BP026062.D	11/03/2025	17:35

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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	SB-1025-1	34654	8.22	149932	11.04	117242	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.

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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)

		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.						
01	SB-1025-1	256901	17.58	284288	21.85	312271	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.

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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	SB-1025-2MS	230344	7.68	913499	10.45	573692	14.32
04	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.

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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	SB-1025-2MS	1154140	17.13	1320580	21.58	1554010	24.89
04	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.

QC SAMPLE DATA

Raw Data: **BP026054.D**

Alliance TECHNICAL GROUP
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:	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-PAH
Prep Method :	SW3541 Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	22.7	U	1	22.7	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
83-32-9	Acenaphthene	21.3	U	1	21.3	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
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
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
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
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
SURROGATES									
4165-60-0	Nitrobenzene-d5	86.0			18 - 107	86%	SPK: 100		
321-60-8	2-Fluorobiphenyl	82.9			20 - 109	83%	SPK: 100		
1718-51-0	Terphenyl-d14	85.3			10 - 105	85%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
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							

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

Raw Data: **BP026055.D**

Alliance TECHNICAL GROUP
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-PAH
Prep Method :	SW3541	Prep Date:	10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	1300		1	22.7	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
83-32-9	Acenaphthene	1300		1	21.3	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
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
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
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
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
SURROGATES									
4165-60-0	Nitrobenzene-d5	79.2			18 - 107	79%	SPK: 100		
321-60-8	2-Fluorobiphenyl	76.7			20 - 109	77%	SPK: 100		
1718-51-0	Terphenyl-d14	80.8			10 - 105	81%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
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							

U = Not Detected
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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

Raw Data: **BP026061.D**

Alliance TECHNICAL GROUP
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:	SVOC-PAH
Prep Method :	SW3541 Prep Date: 10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	2000		1	30.2	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
83-32-9	Acenaphthene	1900		1	28.3	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
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
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
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
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
SURROGATES									
4165-60-0	Nitrobenzene-d5	49.0			18 - 107	49%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.1			20 - 109	43%	SPK: 100		
1718-51-0	Terphenyl-d14	43.2			10 - 105	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
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							

U = Not Detected
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LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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

Raw Data: **BP026062.D**

Alliance TECHNICAL GROUP
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-PAH
Prep Method :	SW3541	Prep Date:	10/31/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
91-20-3	Naphthalene	1900		1	30.2	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
83-32-9	Acenaphthene	1800		1	28.3	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
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
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
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
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
SURROGATES									
4165-60-0	Nitrobenzene-d5	46.1			18 - 107	46%	SPK: 100		
321-60-8	2-Fluorobiphenyl	40.7			20 - 109	41%	SPK: 100		
1718-51-0	Terphenyl-d14	42.9			10 - 105	43%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
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							

U = Not Detected
LOQ = Limit of Quantitation
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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

CALIBRATION SUMMARY

Response Factor Report GC/MS Ins

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 =BG0645
75.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)		Butylbenzylpht...	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

Response Factor Report MSBNA_P

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 =BP0260
35.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	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	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	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	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	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	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	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

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

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
2-Fluorophenol	1.192	1.264		6.0	
Phenol-d6	1.635	1.731		5.9	
Nitrobenzene-d5	0.333	0.422		26.7	
Naphthalene	1.109	1.162		4.8	
2-Fluorobiphenyl	1.319	1.388		5.2	
Acenaphthylene	1.693	1.769		4.5	
Acenaphthene	1.157	1.252		8.2	20.0
Fluorene	1.460	1.563		7.1	
2,4,6-Tribromophenol	0.289	0.369		27.7	
Phenanthrene	1.094	1.147		4.8	
Anthracene	1.113	1.152		3.5	
Fluoranthene	1.370	1.478		7.9	20.0
Pyrene	1.307	1.306		-0.1	
Terphenyl-d14	1.060	1.084		2.3	
Benzo(a)anthracene	1.326	1.407		6.1	
Chrysene	1.262	1.325		5.0	
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	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3495

Instrument ID: BNA_P Calibration Date/Time: 11/03/2025 11:06

Lab File ID: BP026053.D Init. Calib. Date(s): 10/29/2025 10/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:26 14:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.212	1.217		0.4	
Phenol-d6	1.543	1.579		2.3	
Nitrobenzene-d5	0.321	0.336		4.7	
Naphthalene	1.091	1.101		0.9	
2-Fluorobiphenyl	1.392	1.389		-0.2	
Acenaphthylene	1.756	1.802		2.6	
Acenaphthene	1.206	1.235		2.4	20.0
Fluorene	1.427	1.458		2.2	
2,4,6-Tribromophenol	0.216	0.215		-0.5	
Phenanthrene	1.164	1.162		-0.2	
Anthracene	1.154	1.174		1.7	
Fluoranthene	1.358	1.380		1.6	20.0
Pyrene	1.353	1.388		2.6	
Terphenyl-d14	0.984	1.002		1.8	
Benzo(a)anthracene	1.374	1.402		2.0	
Chrysene	1.302	1.324		1.7	
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	

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064661.D
Acq On : 31 Oct 2025 18:16
Operator : RC/JU
Sample : Q3495-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Quant Time: Oct 31 18:57:05 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

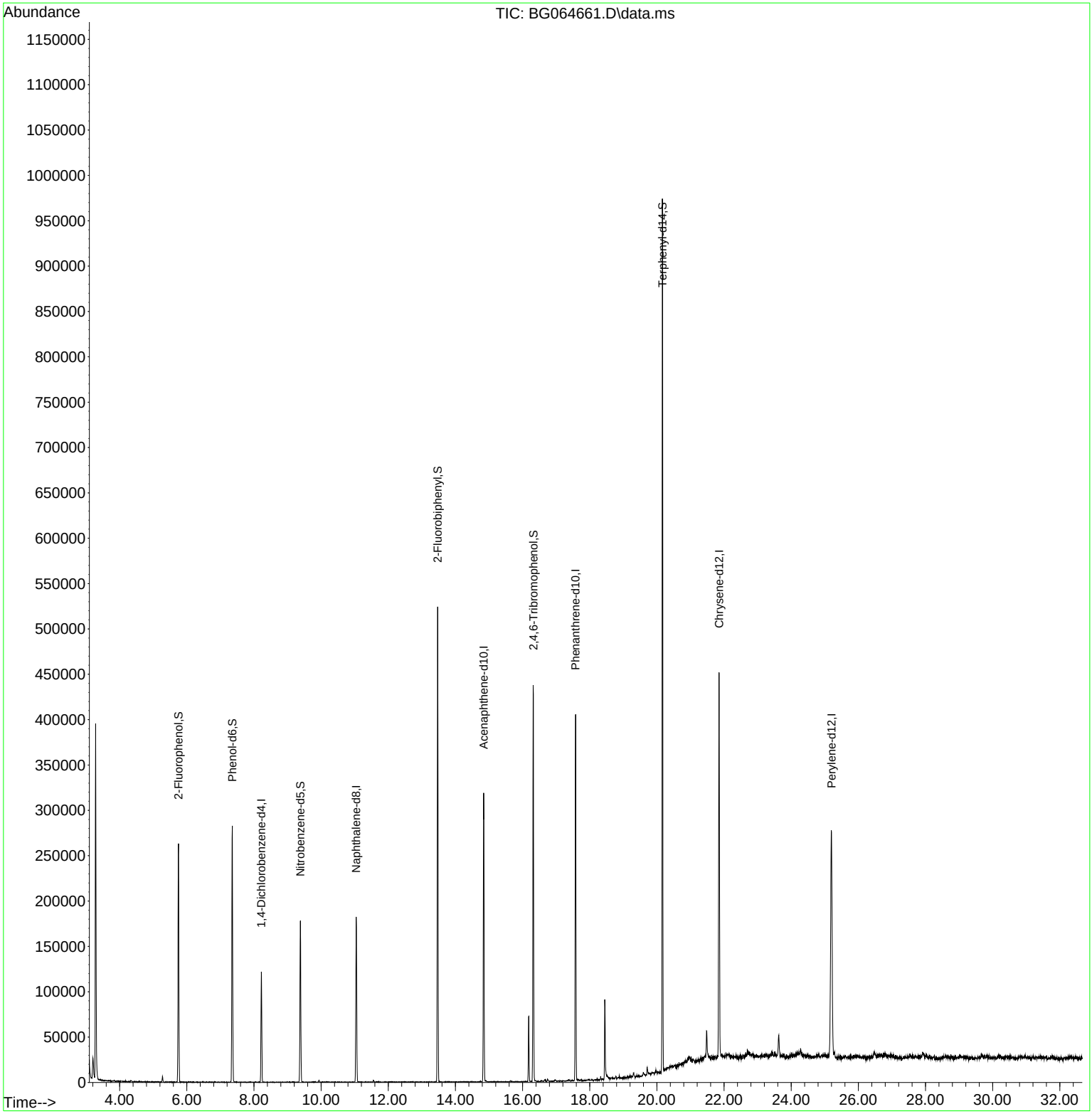
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	34654	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	149932	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	117242	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	256901	20.000	ng	0.00
76) Chrysene-d12	21.849	240	284288	20.000	ng	-0.01
86) Perylene-d12	25.198	264	312271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	106181	51.430	ng	0.00
7) Phenol-d6	7.354	99	153187	54.072	ng	0.00
23) Nitrobenzene-d5	9.381	82	98484	39.453	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	99084	58.555	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	277463	35.871	ng	0.00
79) Terphenyl-d14	20.163	244	510907	33.915	ng	-0.01
Target Compounds						Qvalue

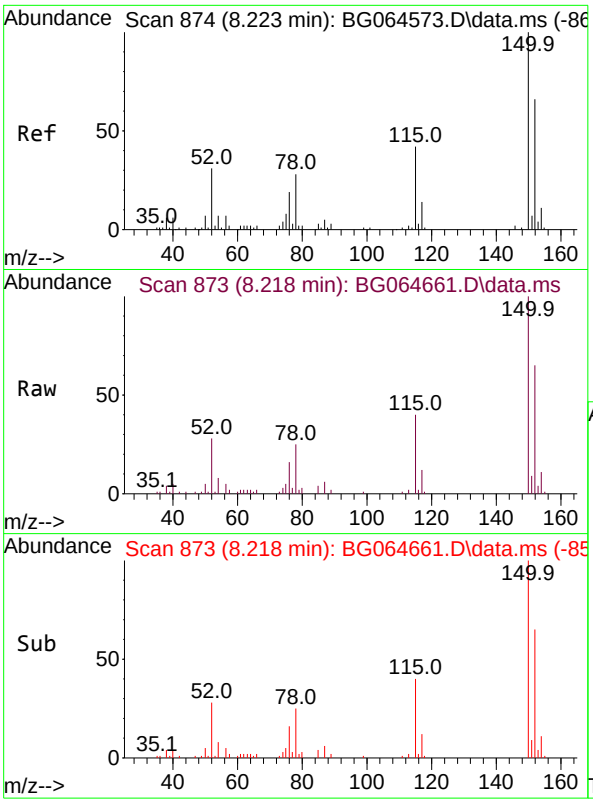
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064661.D
Acq On : 31 Oct 2025 18:16
Operator : RC/JU
Sample : Q3495-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Quant Time: Oct 31 18:57:05 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



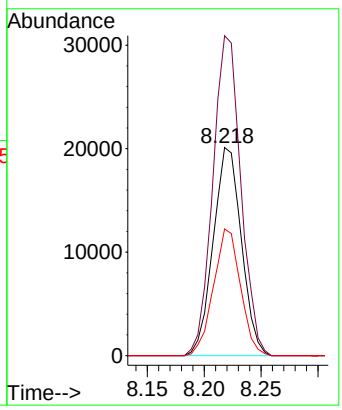


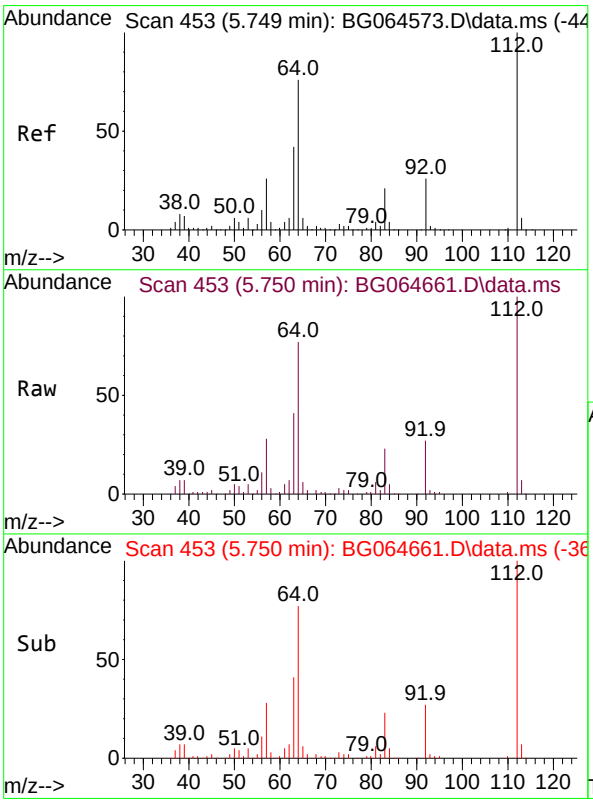
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion:152 Resp: 34654

Ion	Ratio	Lower	Upper
152	100		
150	153.8	122.2	183.4
115	60.8	50.8	76.2

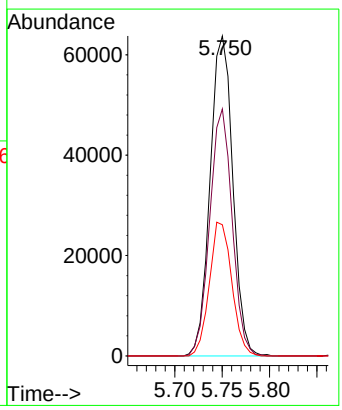


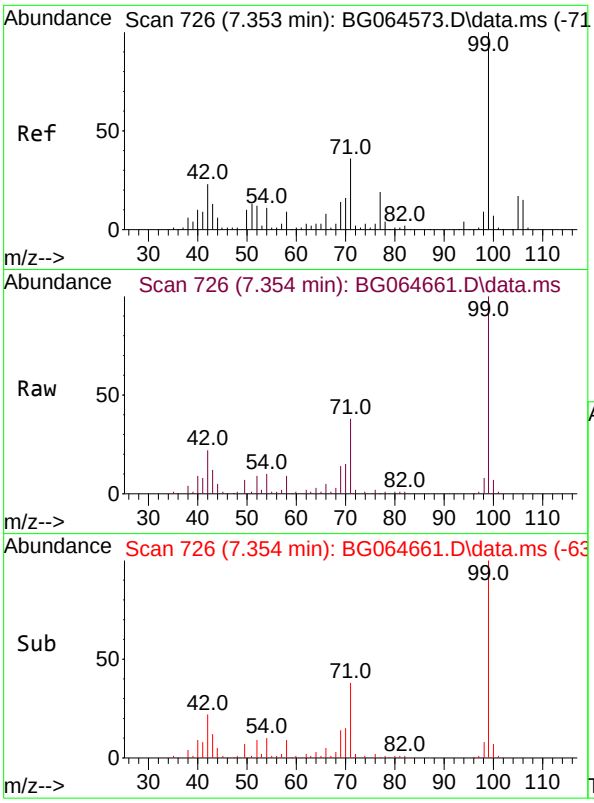


#5
2-Fluorophenol
Concen: 51.430 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:112 Resp: 106181

Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	41.0	33.4	50.0



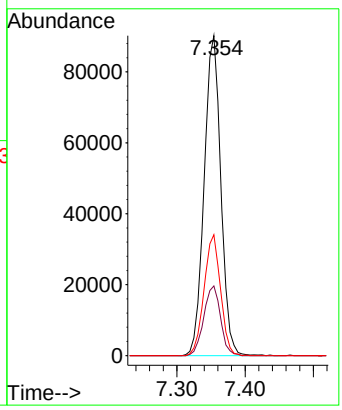


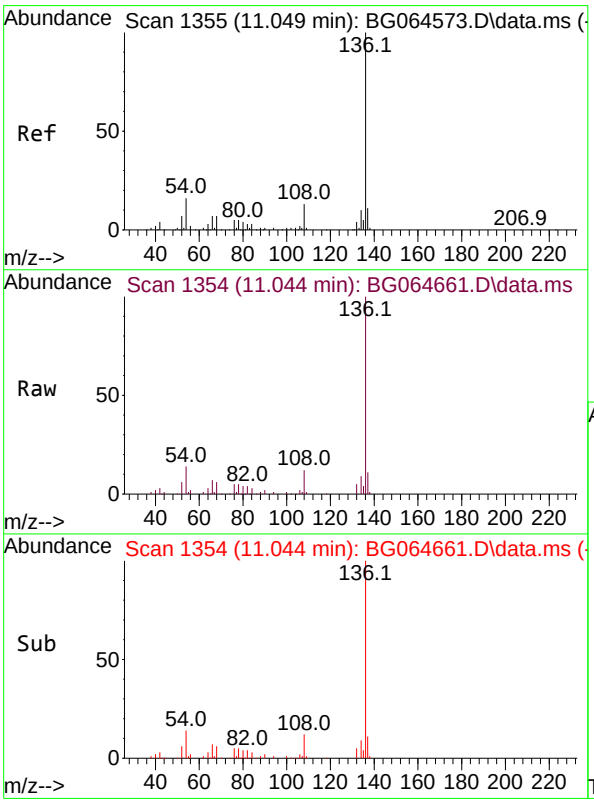
#7
Phenol-d6
Concen: 54.072 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion: 99 Resp: 153187

Ion	Ratio	Lower	Upper
99	100		
42	21.8	18.3	27.5
71	37.8	28.6	43.0

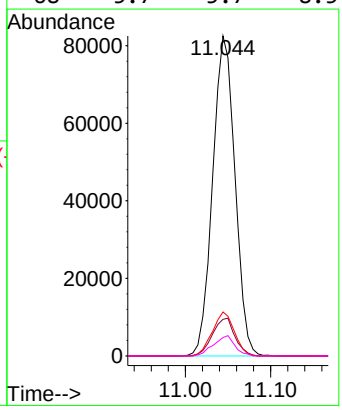


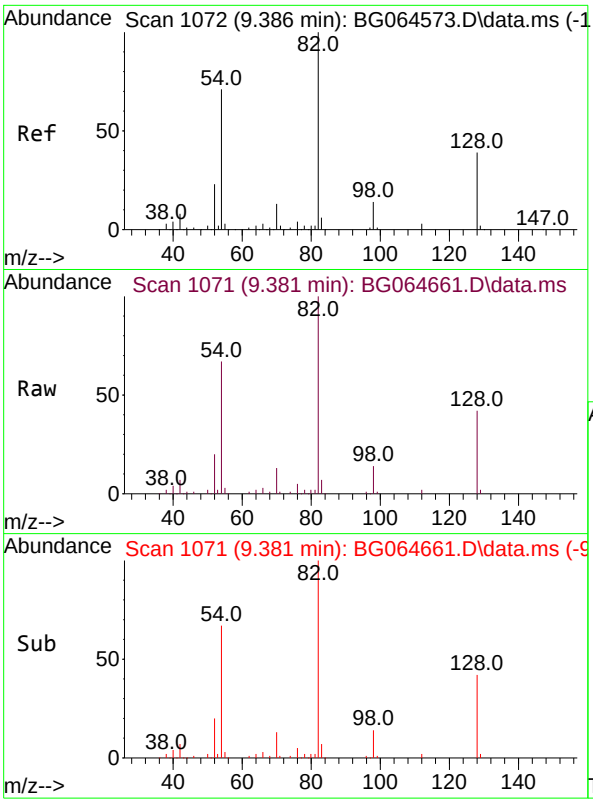


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.008 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:136 Resp: 149932

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	13.7	12.6	19.0
68	5.7	5.7	8.5



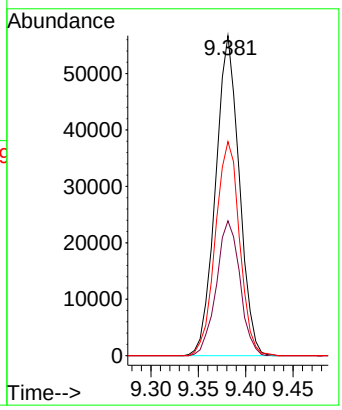


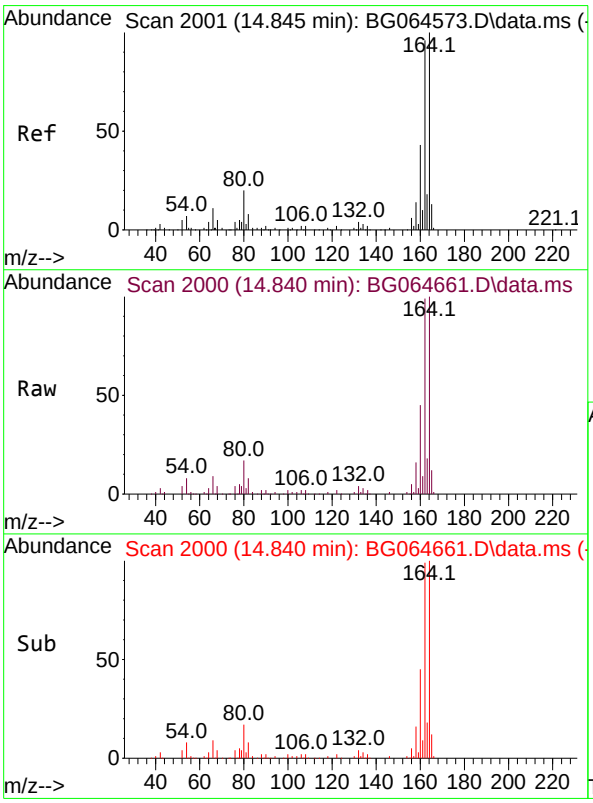
#23
Nitrobenzene-d5
Concen: 39.453 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion: 82 Resp: 98484

Ion	Ratio	Lower	Upper
82	100		
128	42.1	31.3	46.9
54	66.9	56.6	84.8

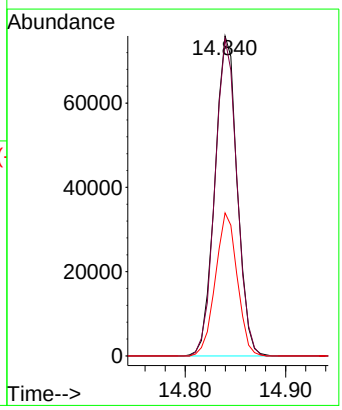


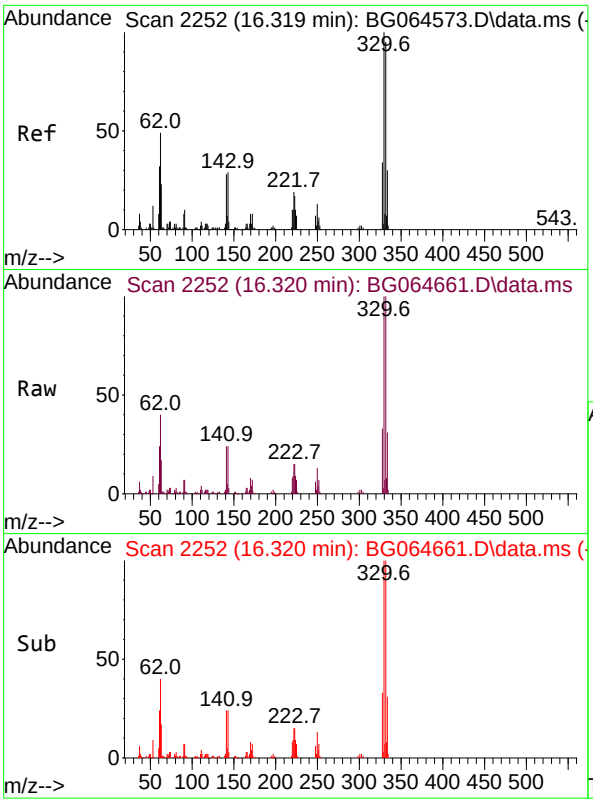


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:164 Resp: 117242

Ion	Ratio	Lower	Upper
164	100		
162	99.1	77.0	115.6
160	44.7	34.4	51.6



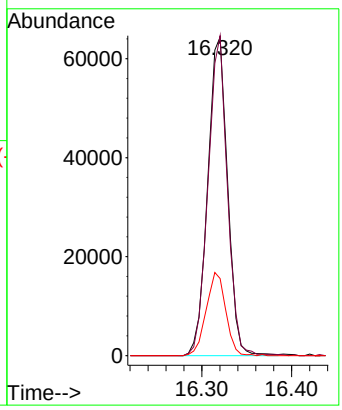


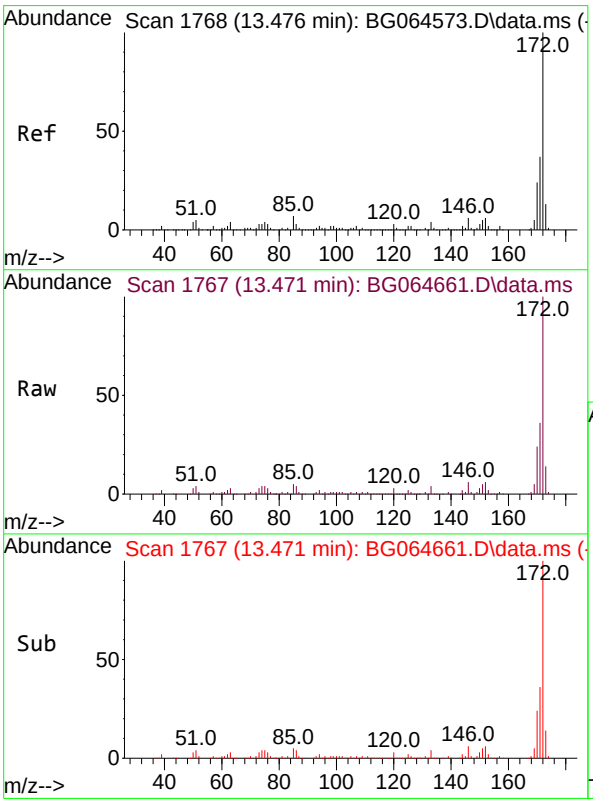
#42
2,4,6-Tribromophenol
Concen: 58.555 ng
RT: 16.320 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion:330 Resp: 99084

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	25.7	21.8	32.6

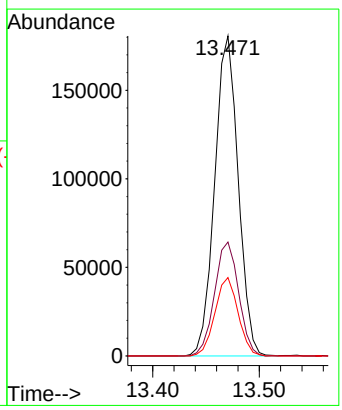


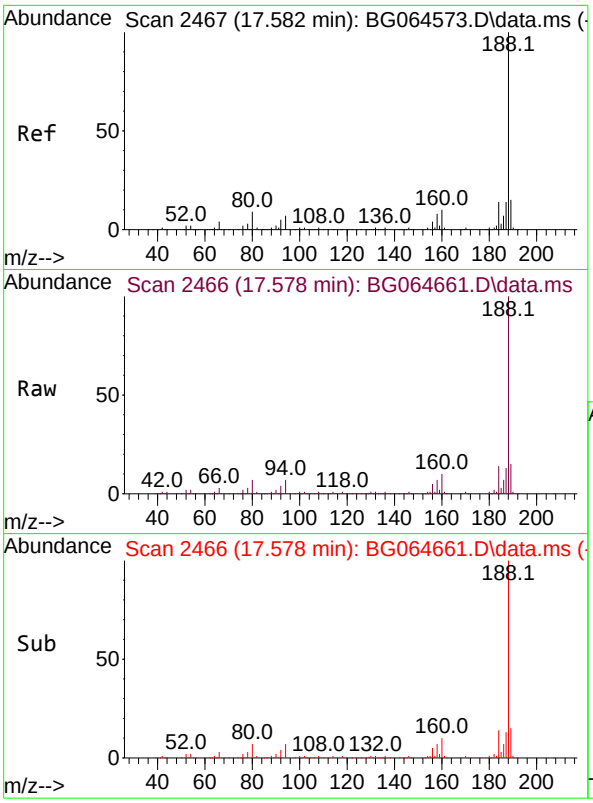


#45
2-Fluorobiphenyl
Concen: 35.871 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:172 Resp: 277463

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.5	19.1	28.7



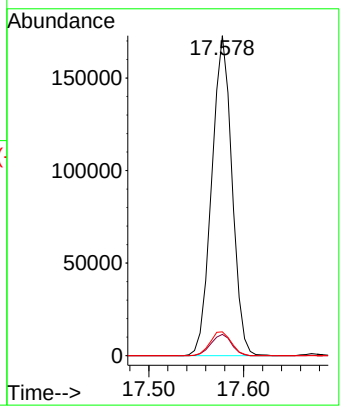


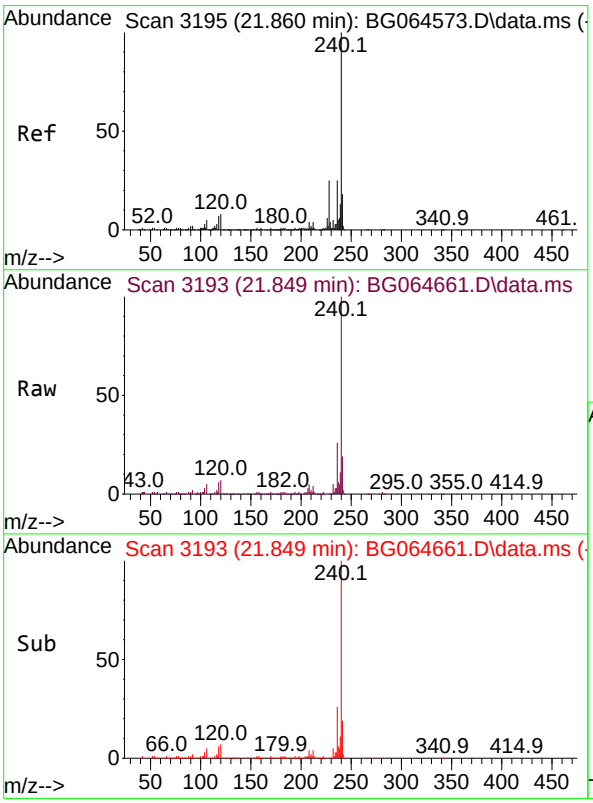
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion:188 Resp: 256901

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.7	8.5
80	7.4	6.8	10.2

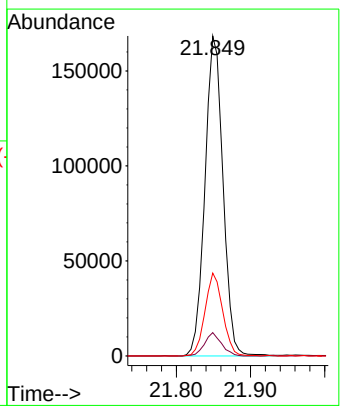


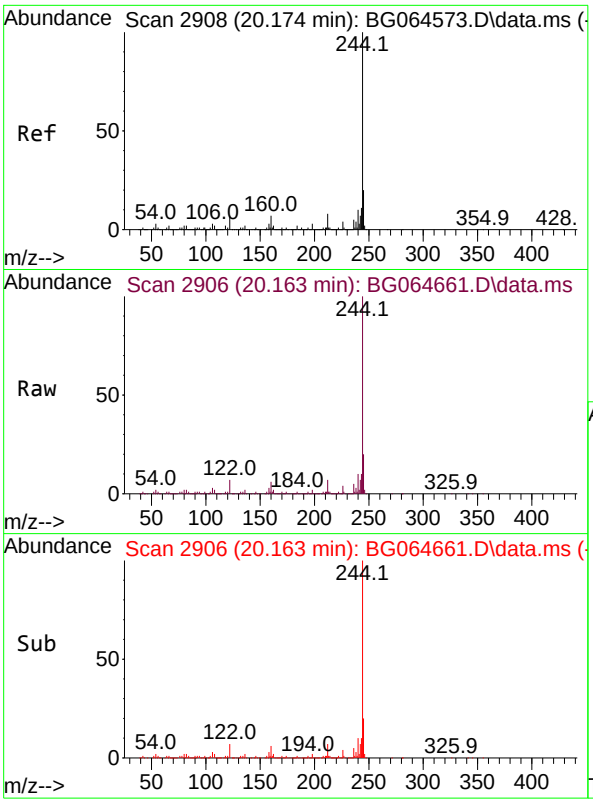


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.014 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:240 Resp: 284288

Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.5	9.7
236	25.9	20.2	30.2



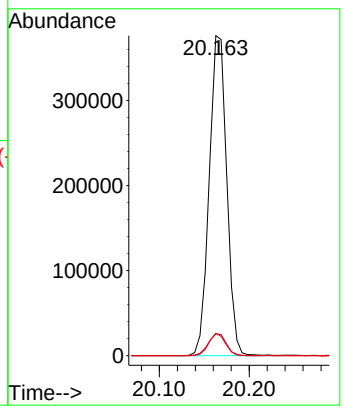


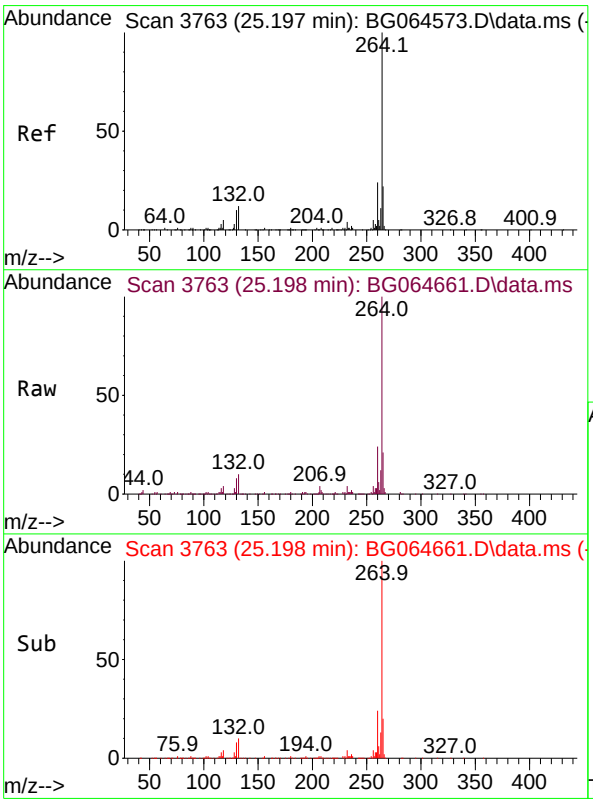
#79
Terphenyl-d14
Concen: 33.915 ng
RT: 20.163 min Scan# 29
Delta R.T. -0.014 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Instrument :
BNA_G
ClientSampleId :
SB-1025-1

Tgt Ion:244 Resp: 510907

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	7.0	5.6	8.4

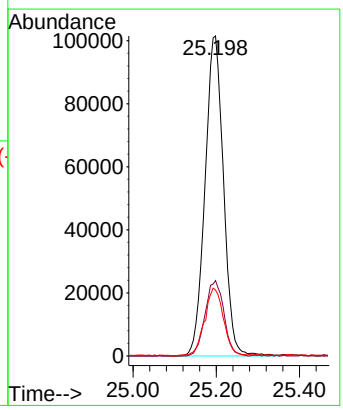




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

Tgt Ion:264 Resp: 312271

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	20.6	17.6	26.4



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

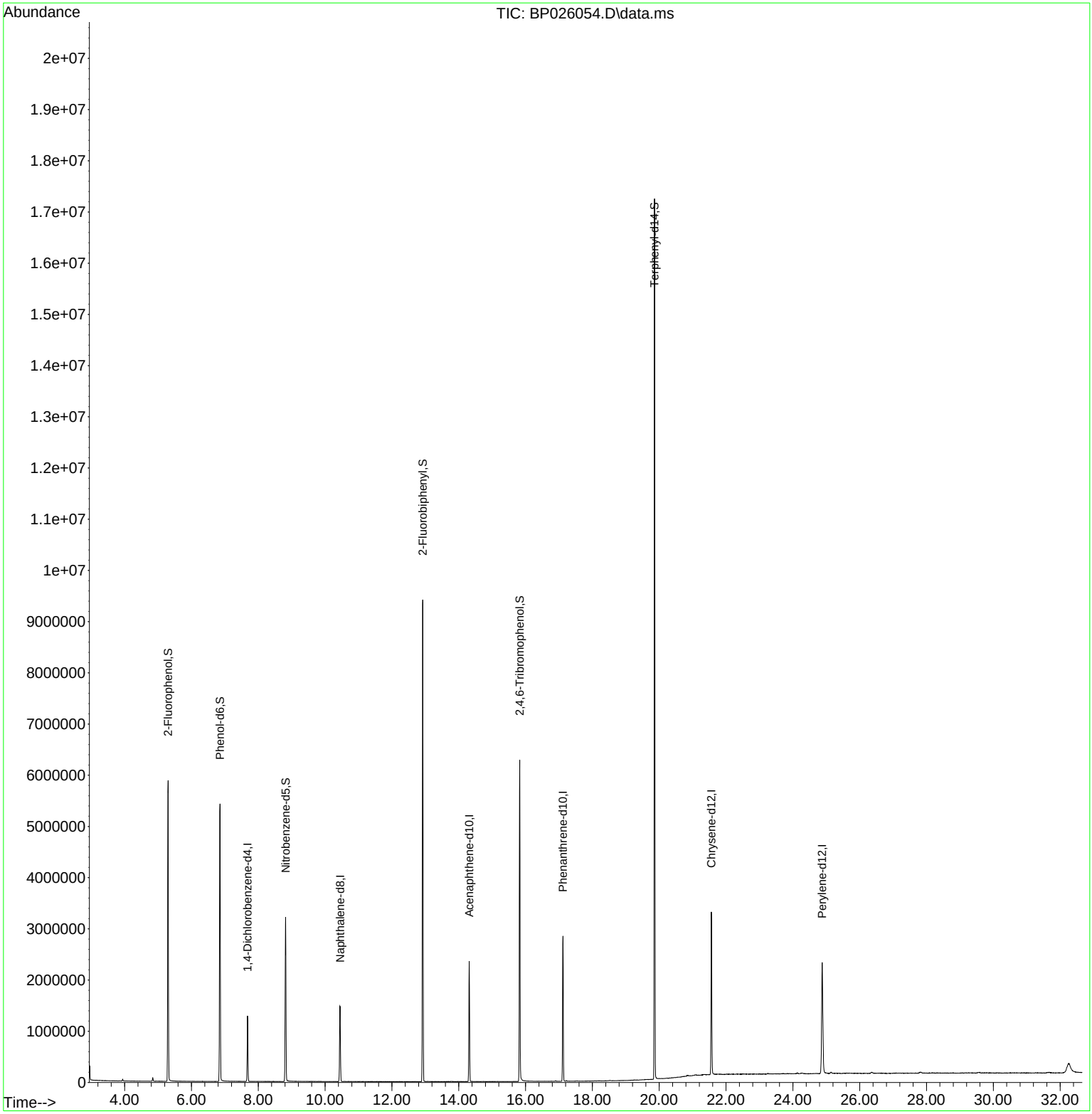
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	336600	20.000	ng	-0.01
21) Naphthalene-d8	10.449	136	1298621	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	793578	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1683386	20.000	ng	0.00
76) Chrysene-d12	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

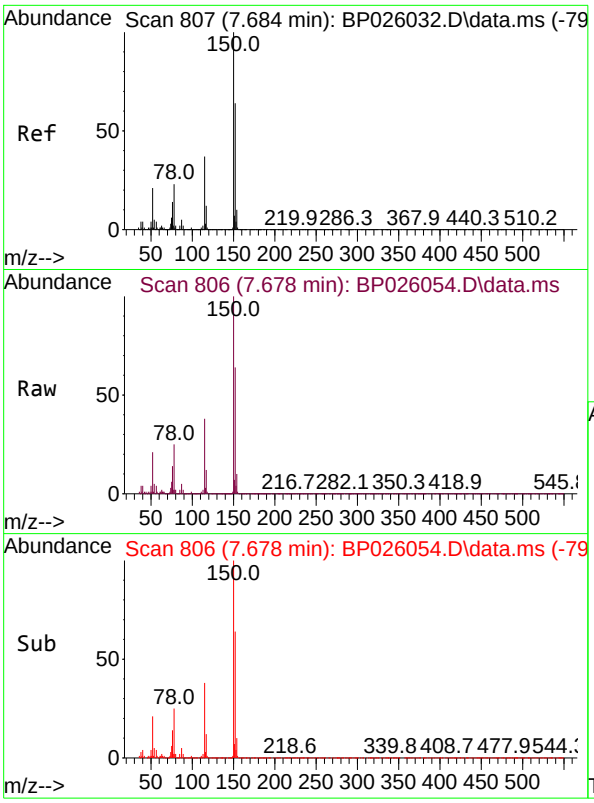
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



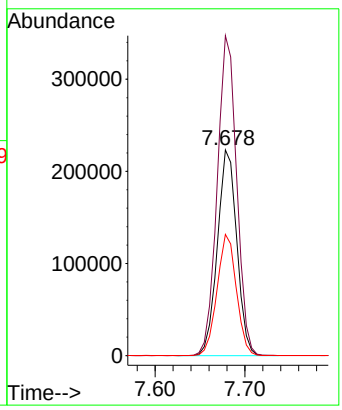


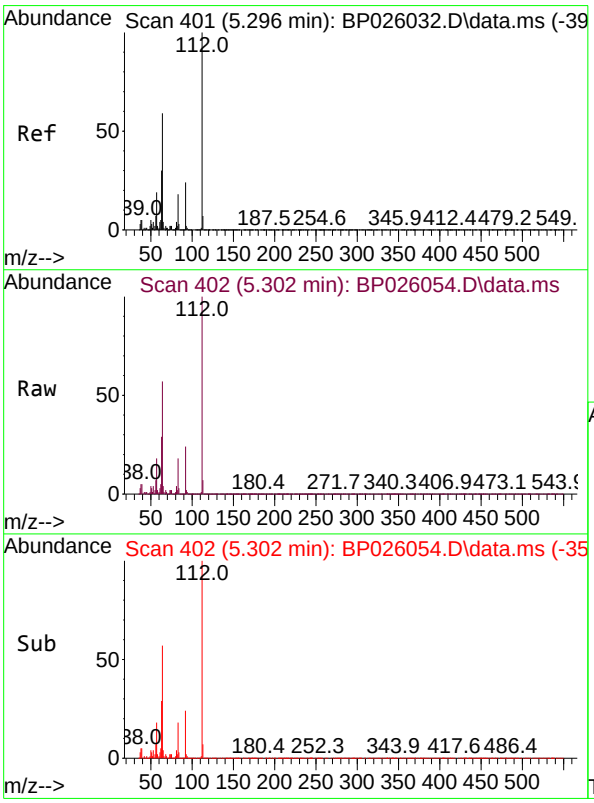
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

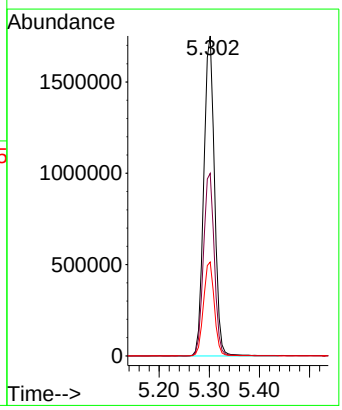


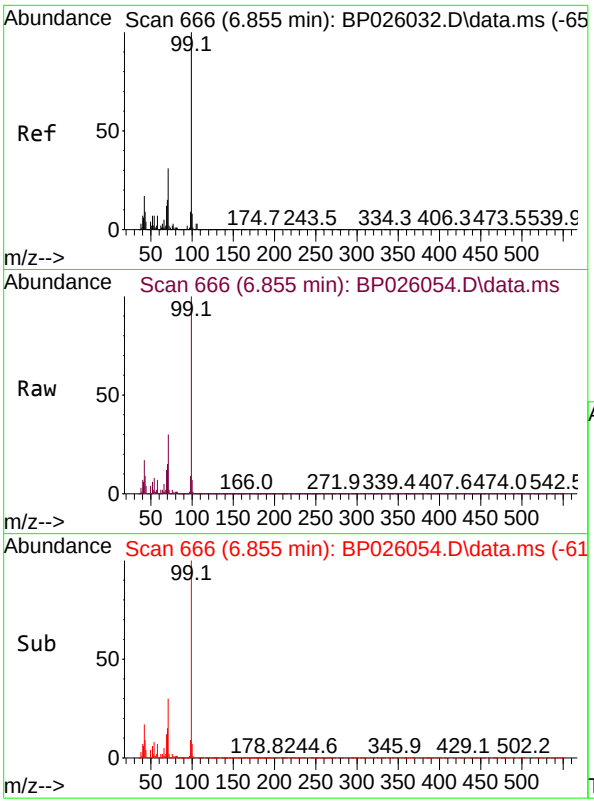


#5
2-Fluorophenol
Concen: 127.483 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



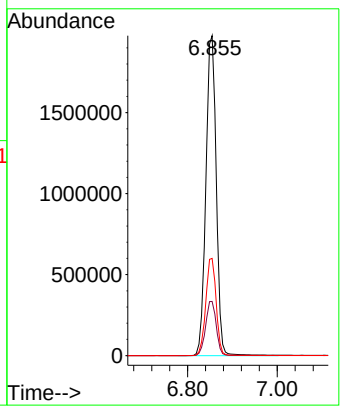


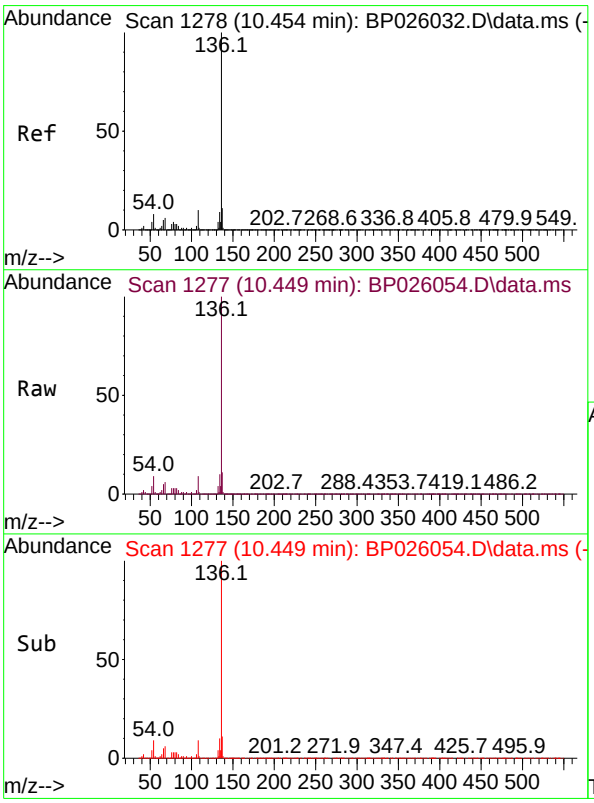
#7
Phenol-d6
Concen: 121.884 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

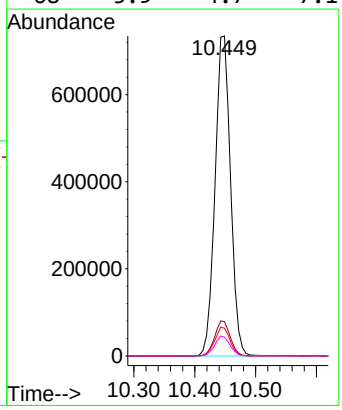


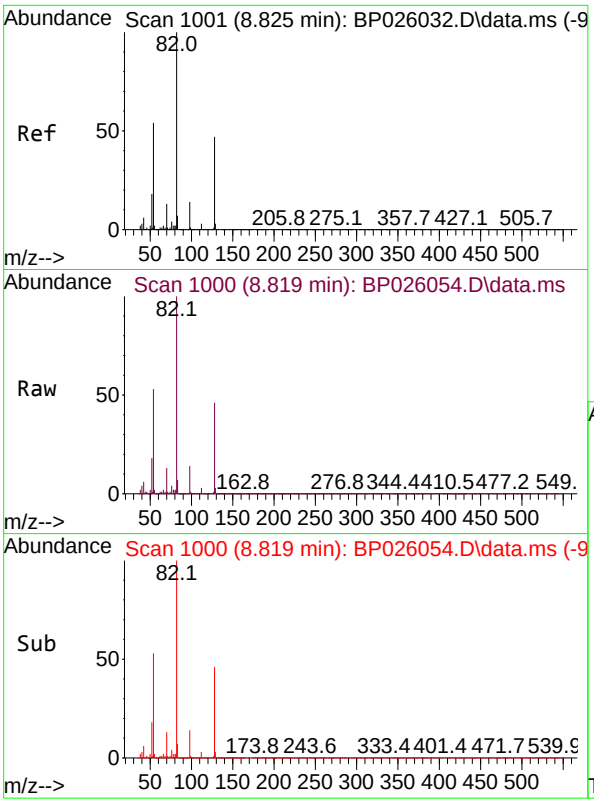


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



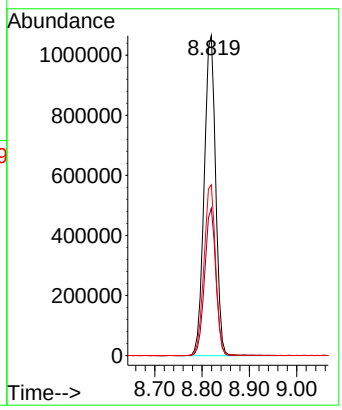


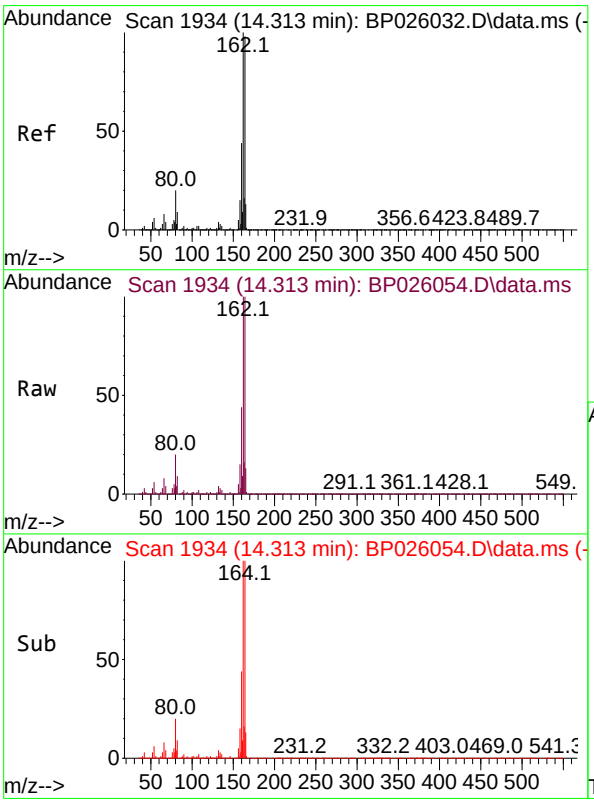
#23
Nitrobenzene-d5
Concen: 85.984 ng
RT: 8.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

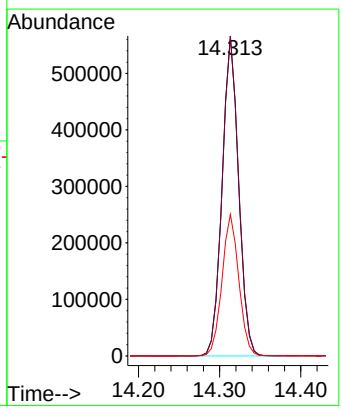


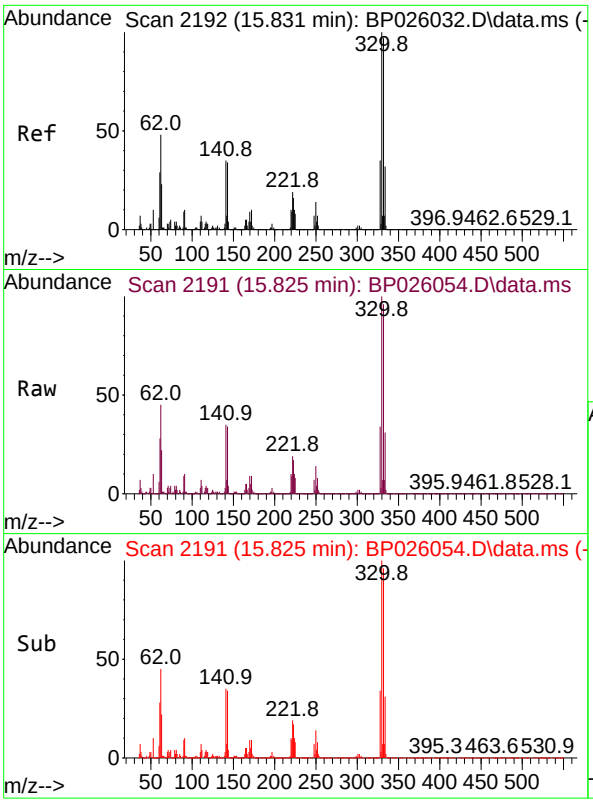


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



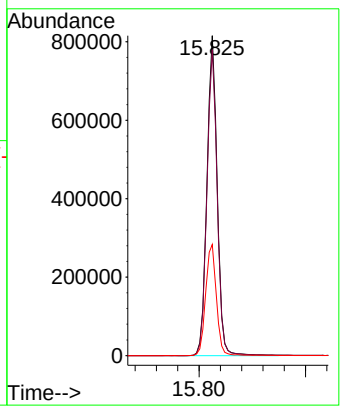


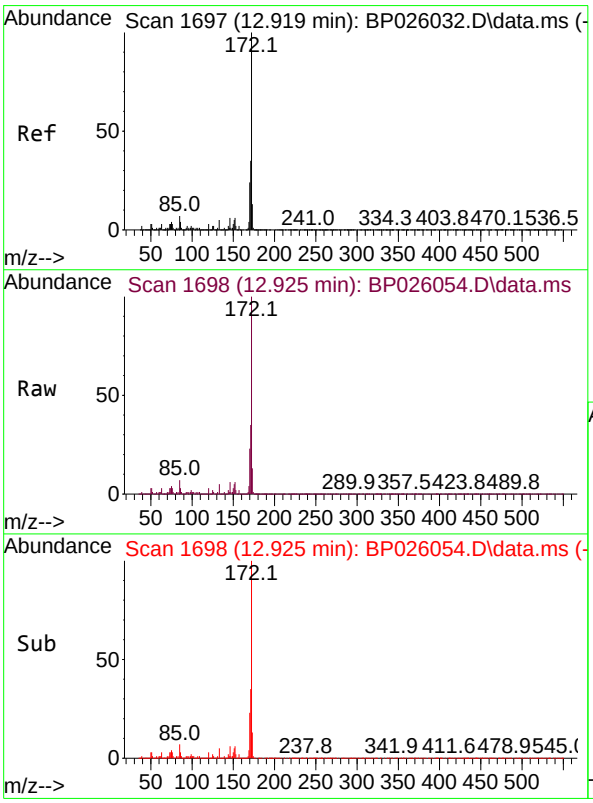
#42
2,4,6-Tribromophenol
Concen: 127.143 ng
RT: 15.825 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

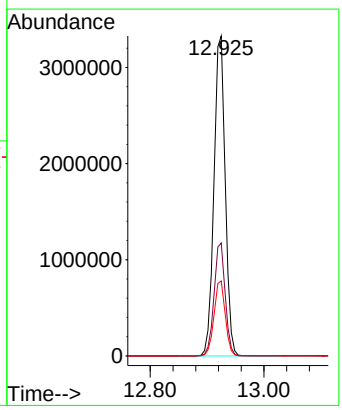


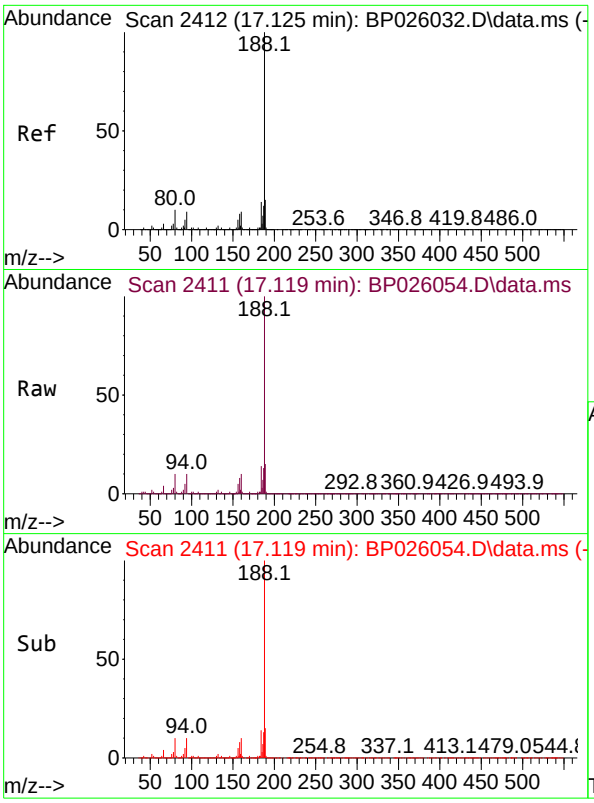


#45
2-Fluorobiphenyl
Concen: 82.893 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



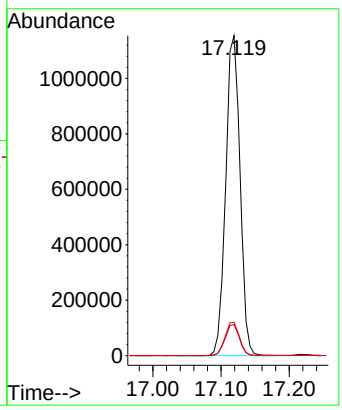


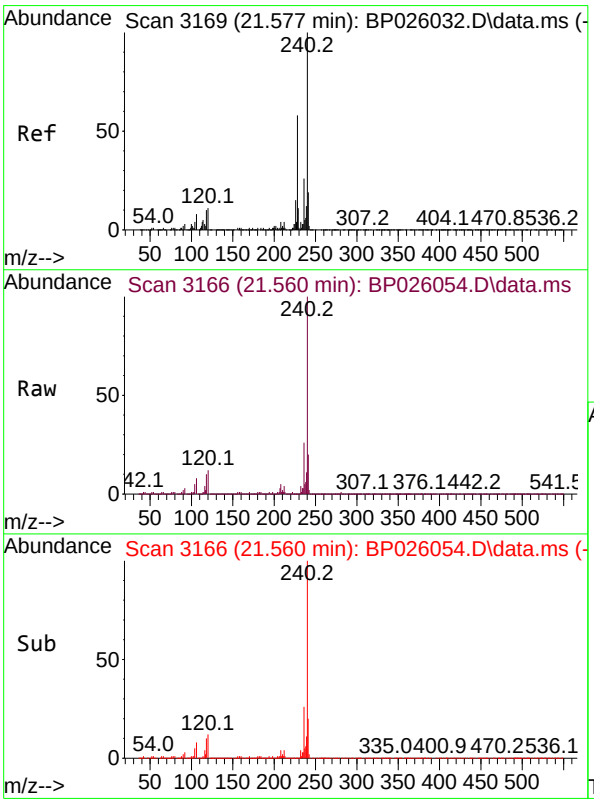
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

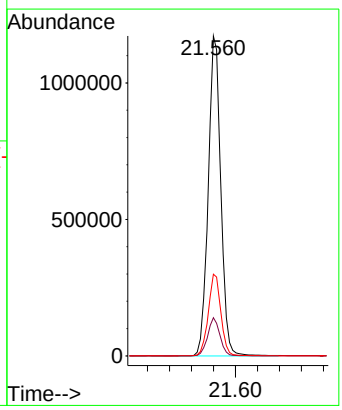


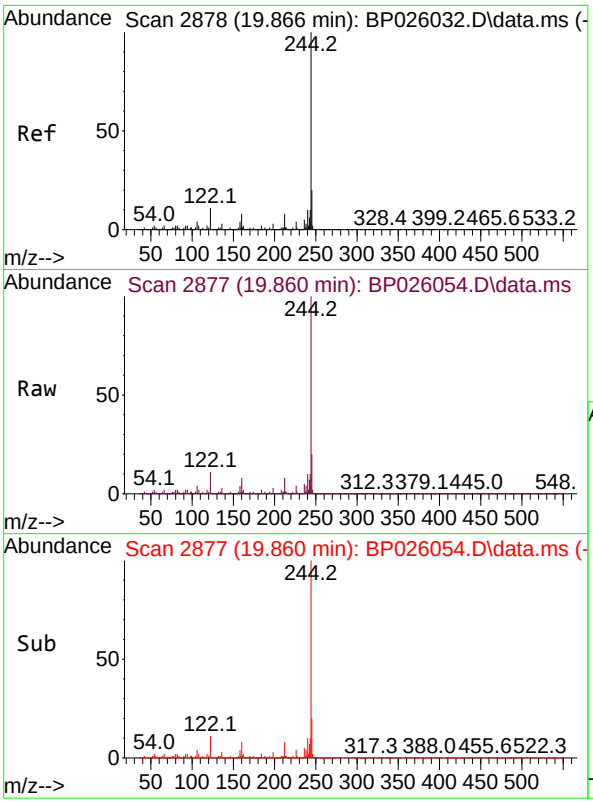


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



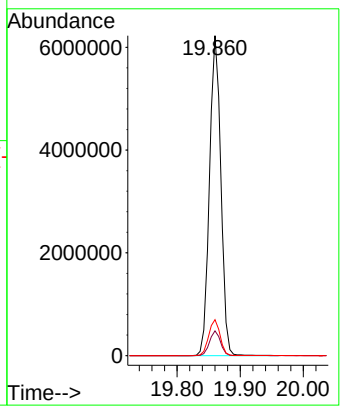


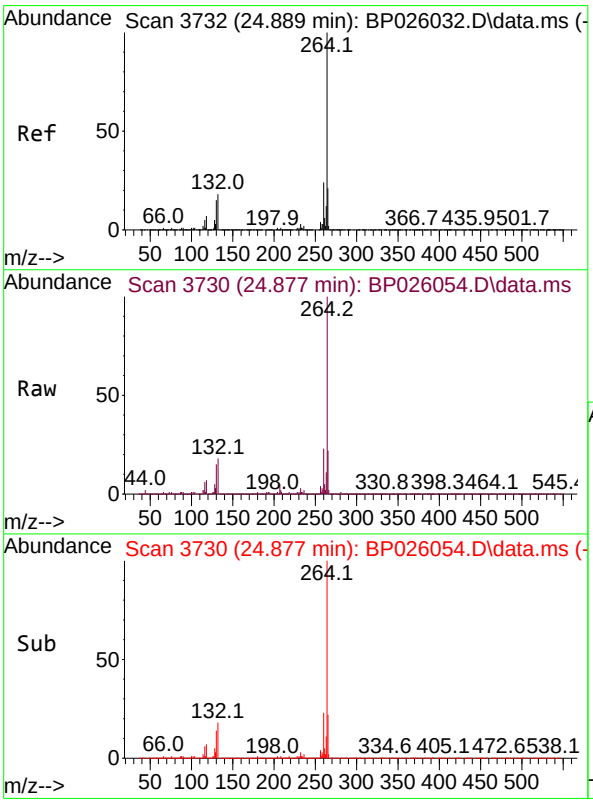
#79
Terphenyl-d14
Concen: 85.258 ng
RT: 19.860 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

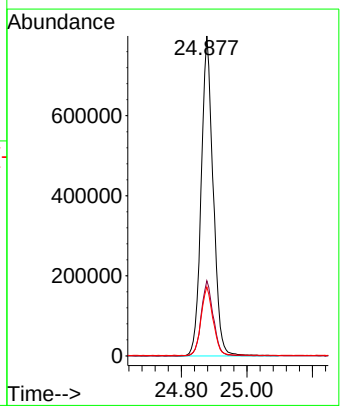




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



Sample Results: **BP026055.D**

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

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

Instrument :
BNA_P
ClientSampleId :
PB170342BS

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

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

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

Instrument :
BNA_P
ClientSampleId :
PB170342BS

Manual Integrations APPROVED

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

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

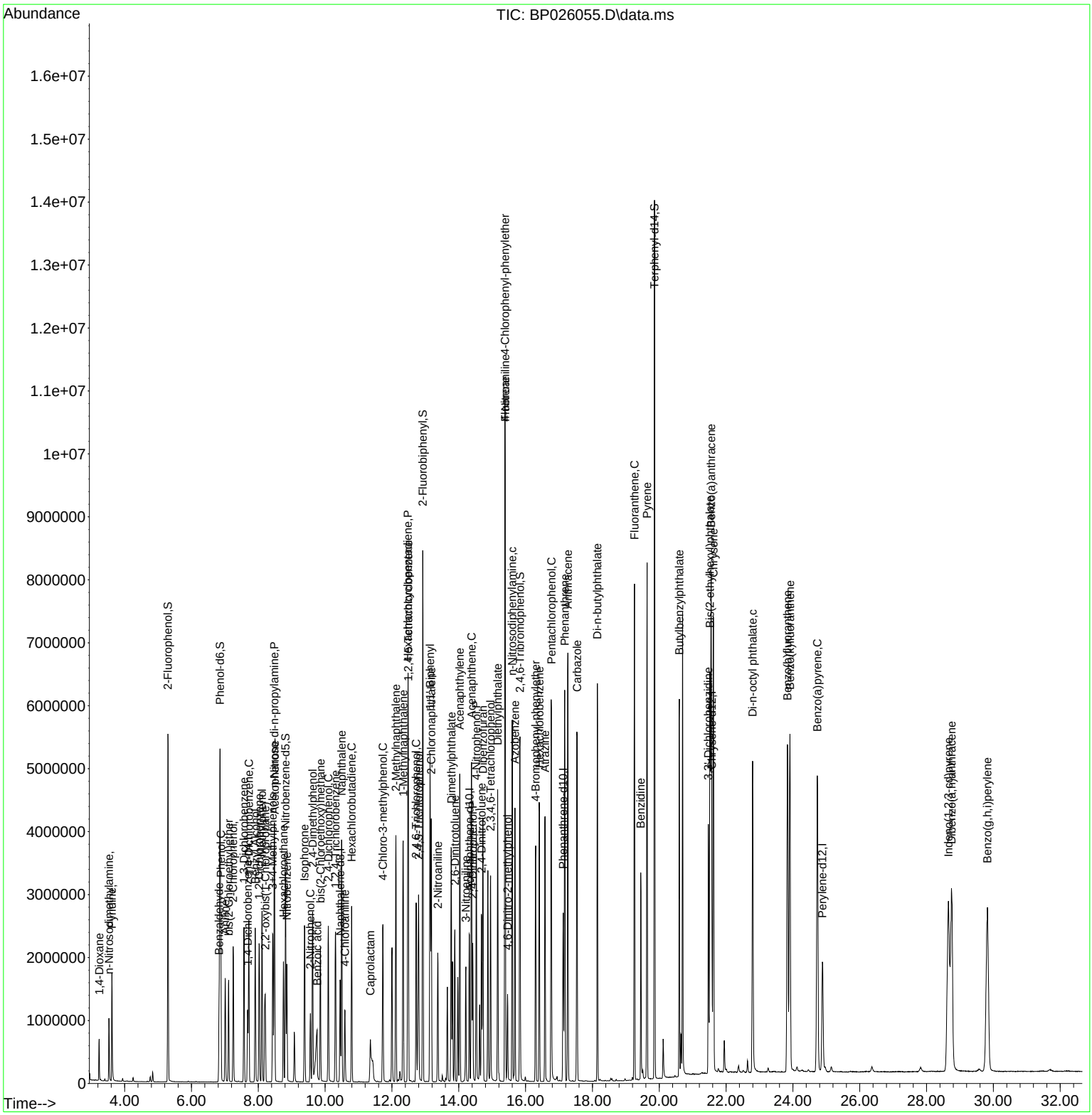
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026055.D
Acq On : 03 Nov 2025 12:29
Operator : RC/JU
Sample : PB170342BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
PB170342BS

Manual Integrations APPROVED

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



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

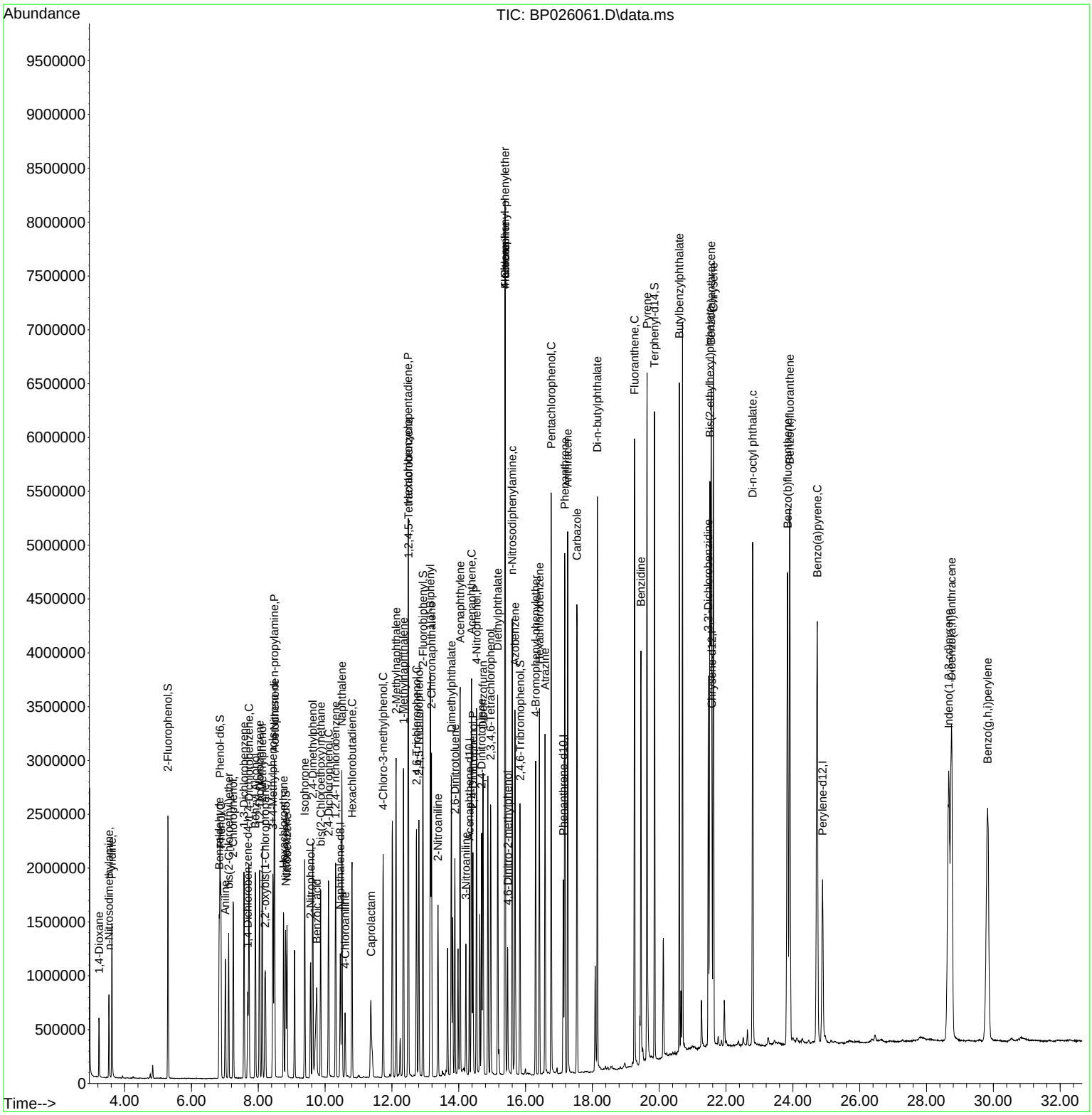
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.807	196	621732	51.714	ng	97
46) 1,1'-Biphenyl	13.148	154	2025270	46.104	ng	100
47) 2-Chloronaphthalene	13.184	162	1550279	44.855	ng	99
48) 2-Nitroaniline	13.378	65	443914	49.793	ng	100
49) Acenaphthylene	14.042	152	2662846	52.861	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

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



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

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

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

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

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

Manual Integrations APPROVED

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

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

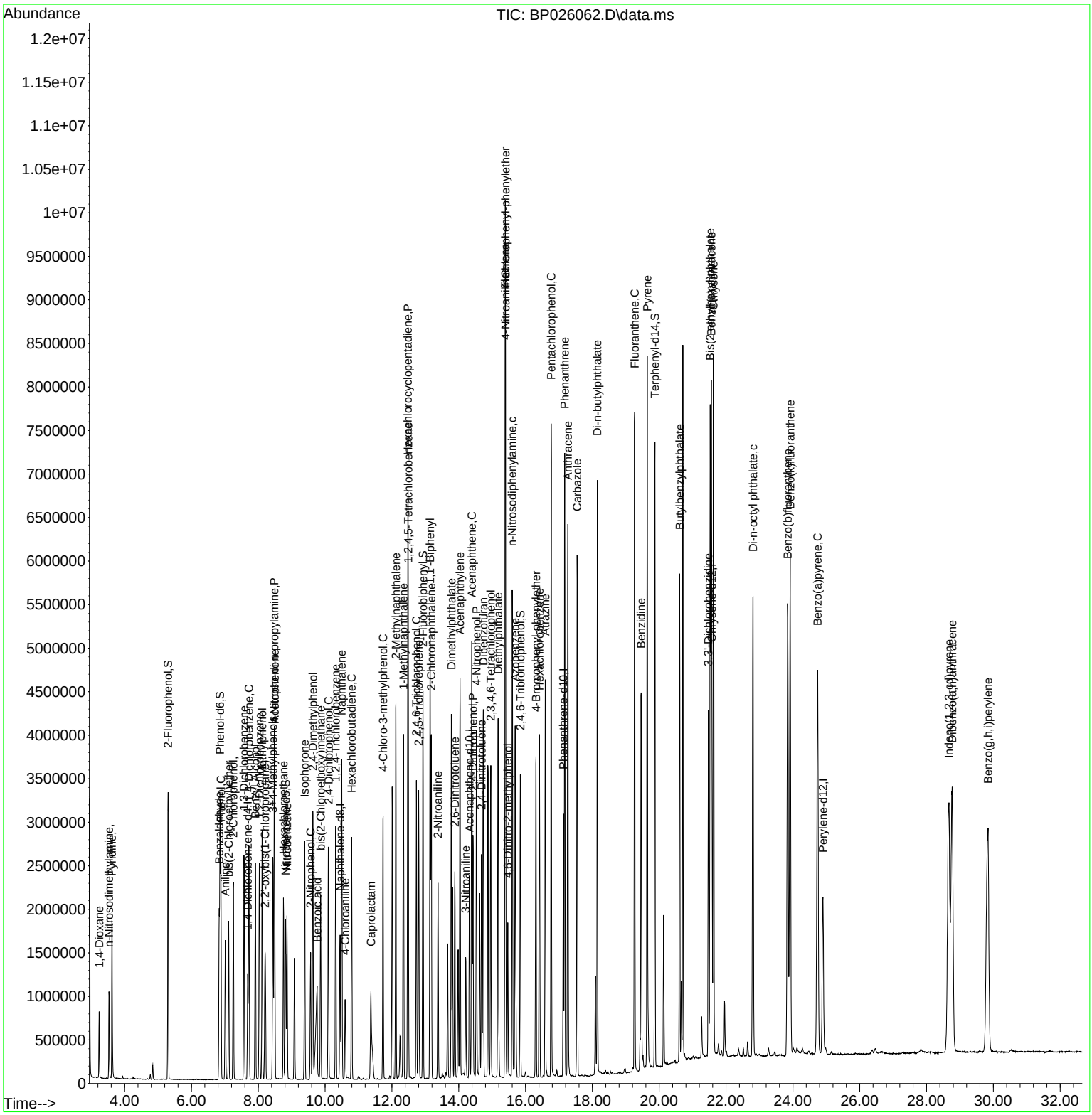
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026062.D
Acq On : 03 Nov 2025 17:35
Operator : RC/JU
Sample : Q3495-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

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

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

Manual Integration Report

Sequence:	BP102925	Instrument	BNA_p

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

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

Manual Integration Report

Sequence:	BP110325	Instrument	BNA_p

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
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

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch 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

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch 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

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch 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

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170342

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: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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

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	RS (Ext-lab)	JG / SVOC
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170342

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
Q3495-02MSD	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

RS
10/31

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

17034 9:30

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: RJ (ETA-Lab)
Raw Sample Relinquished by: [signature] (Lab)

Date/Time 10/31/25 9:50
Raw Sample Received by: [signature] (Lab)
Raw Sample Relinquished by: RJ (ETA-Lab)

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

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**			**10/27/25**			**10/29/25**
			SVOC-PAH	8270E		10/31/25	10/31/25	