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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	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	

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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**		

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:

Raw Data: **BG064568.D**

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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

Raw Data: **BG064653.D**

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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.

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

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

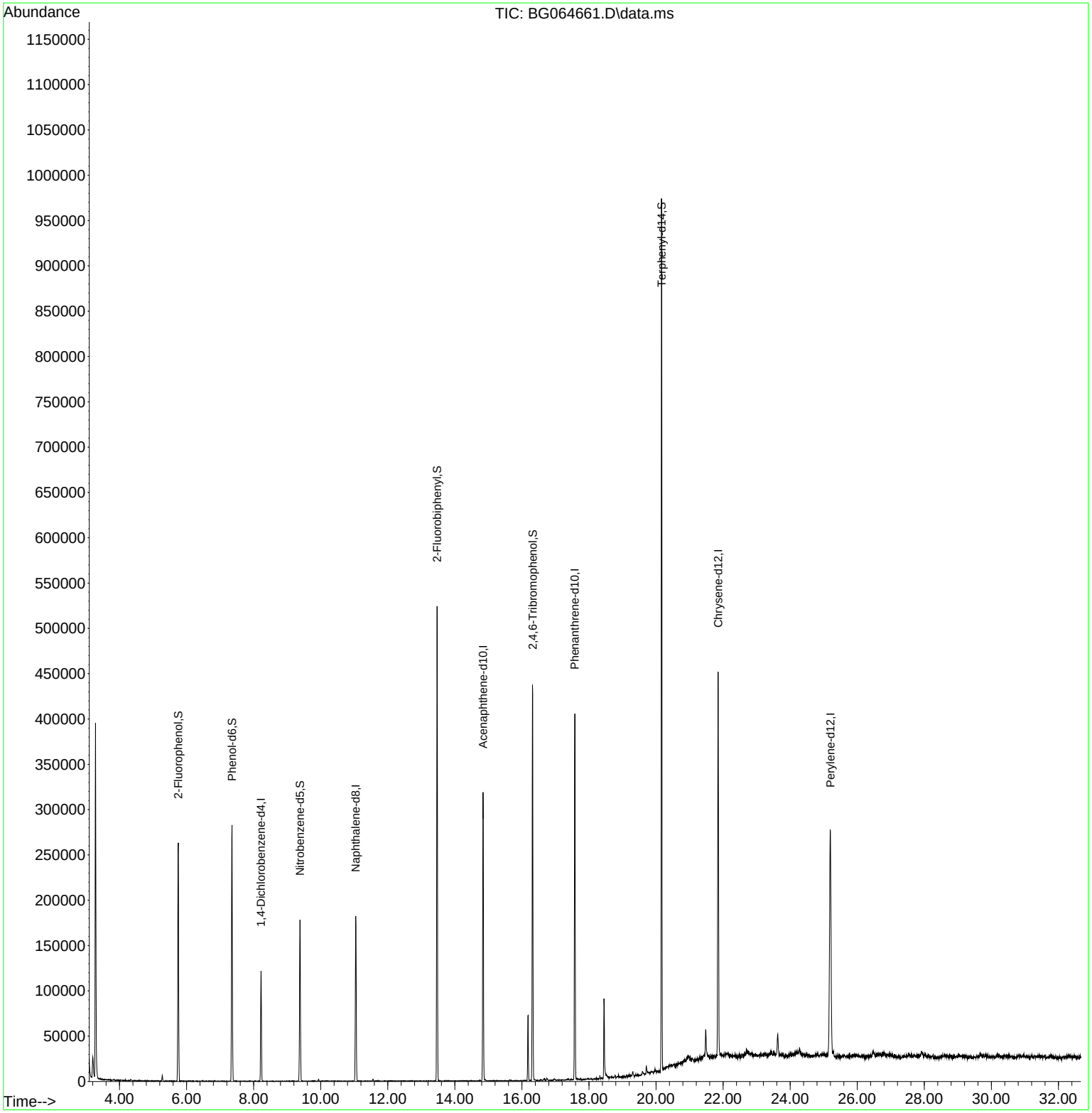
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	34654	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	149932	20.000	ng	0.00
39) Acenaphthene-d10	14.840	164	117242	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	256901	20.000	ng	0.00
76) Chrysene-d12	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

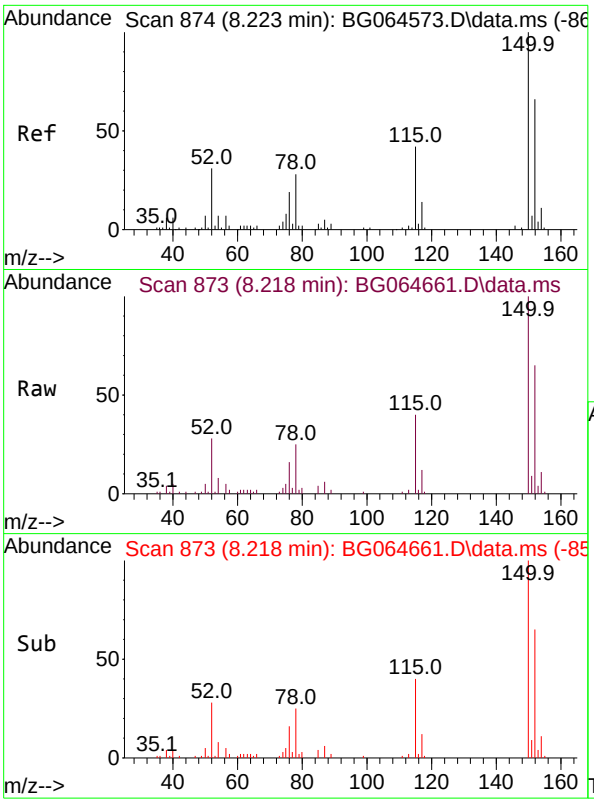
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



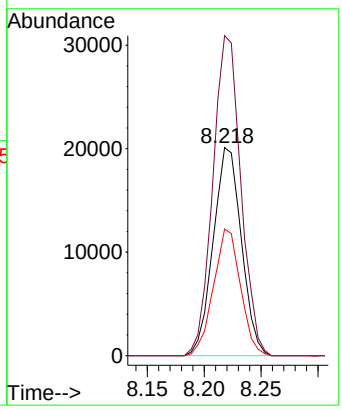


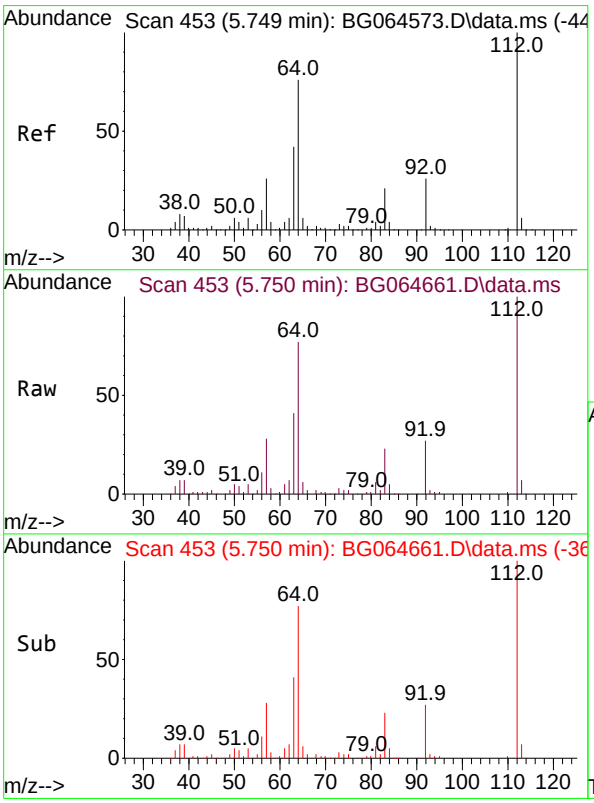
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

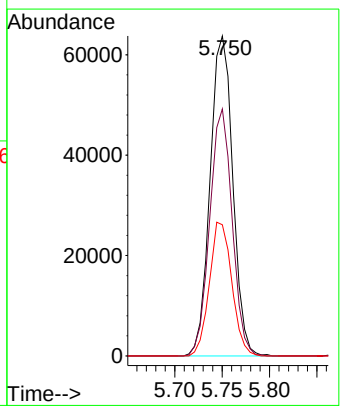


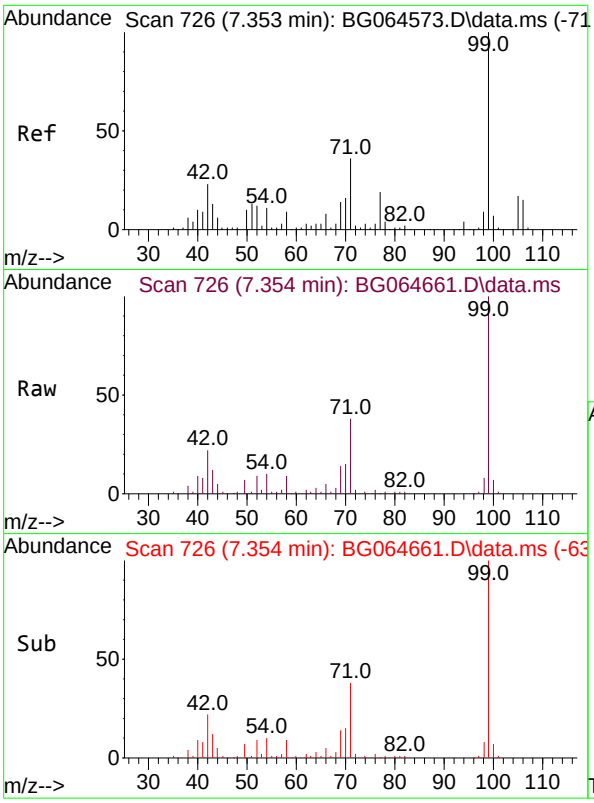


#5
2-Fluorophenol
Concen: 51.430 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



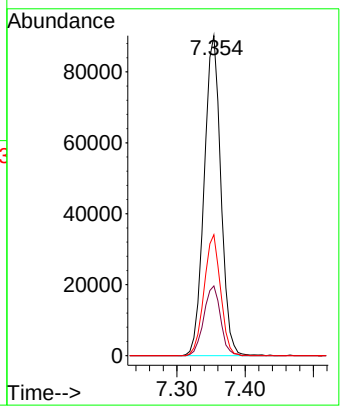


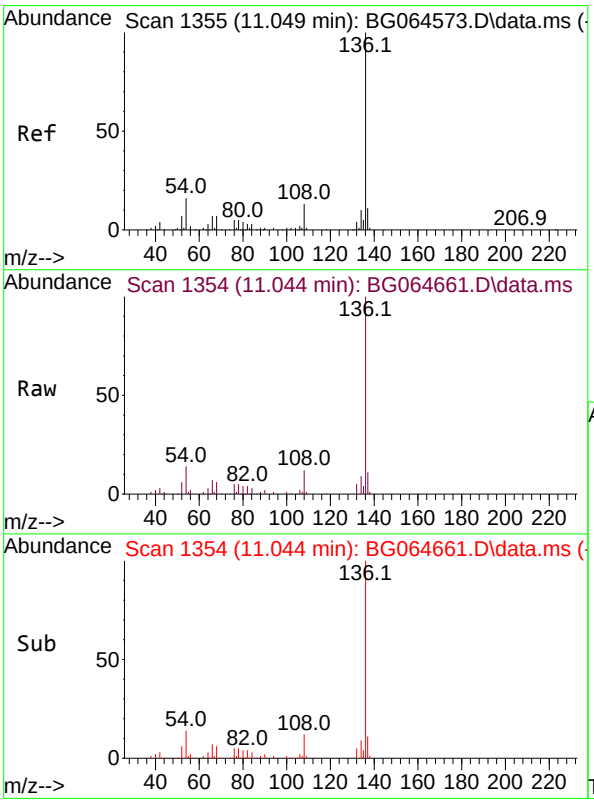
#7
Phenol-d6
Concen: 54.072 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

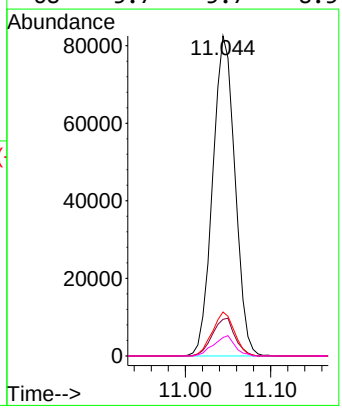


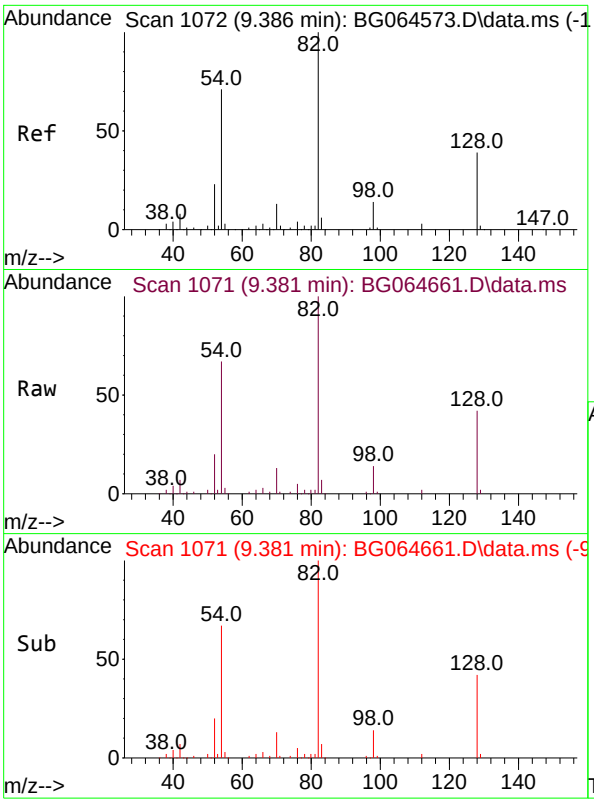


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.008 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



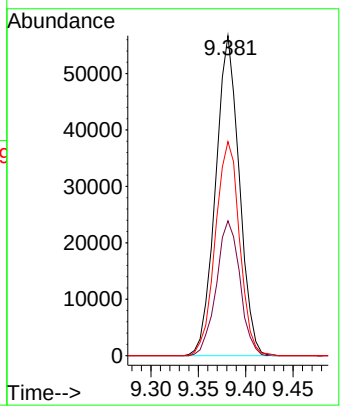


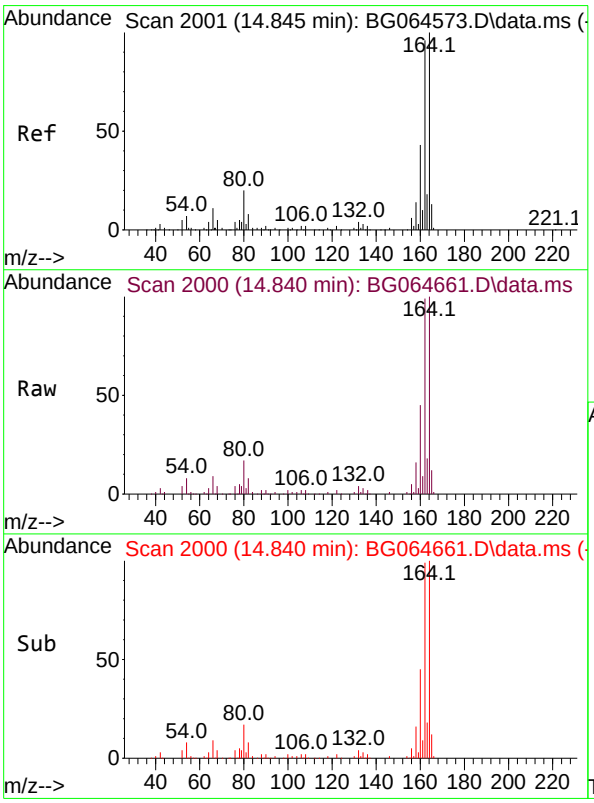
#23
Nitrobenzene-d5
Concen: 39.453 ng
RT: 9.381 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

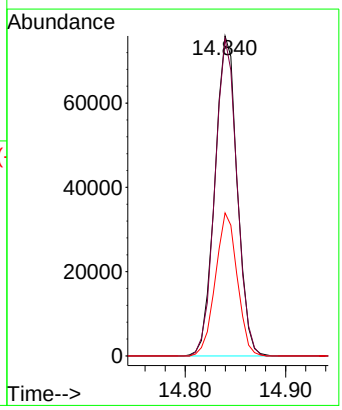


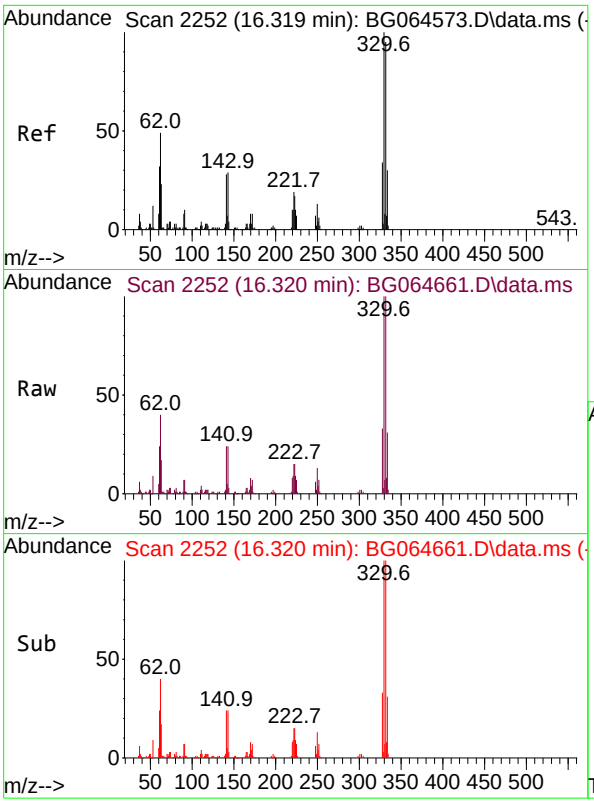


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



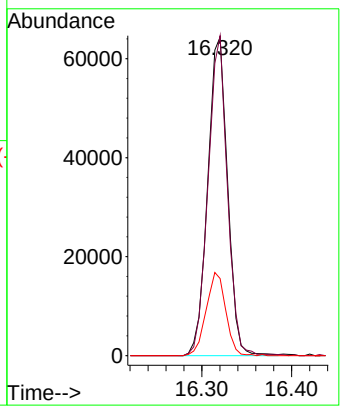


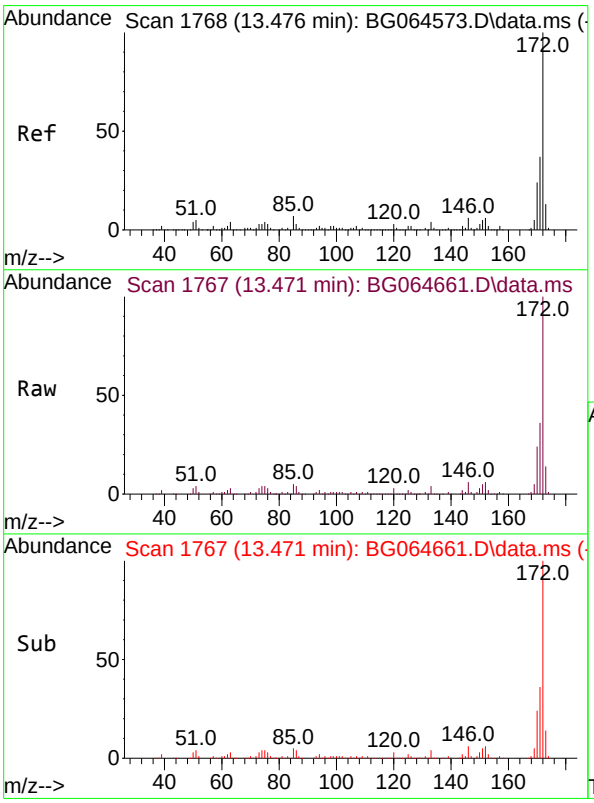
#42
2,4,6-Tribromophenol
Concen: 58.555 ng
RT: 16.320 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

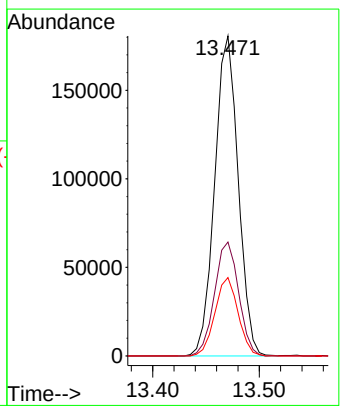


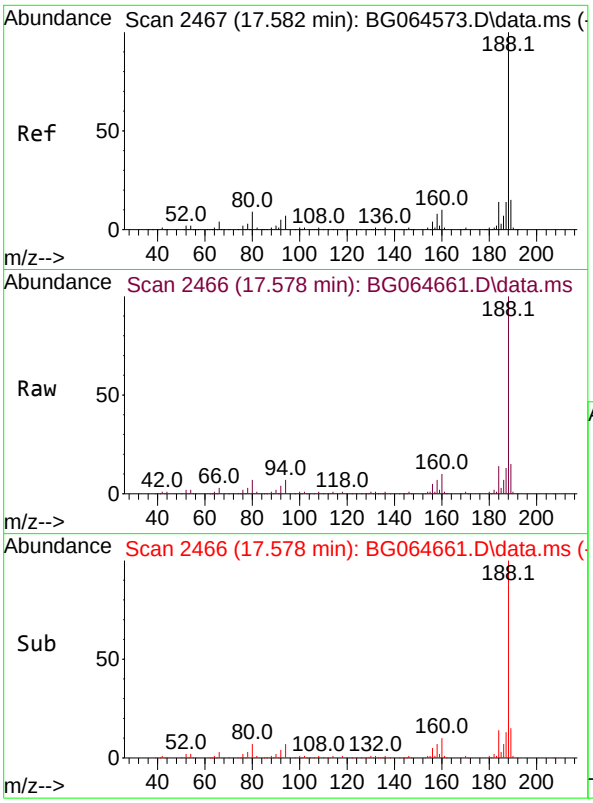


#45
2-Fluorobiphenyl
Concen: 35.871 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



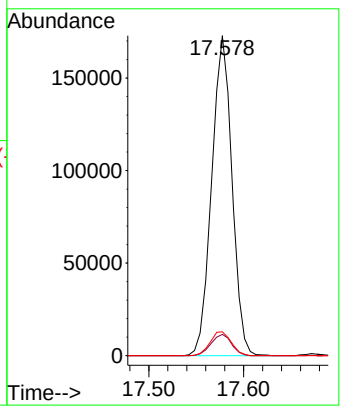


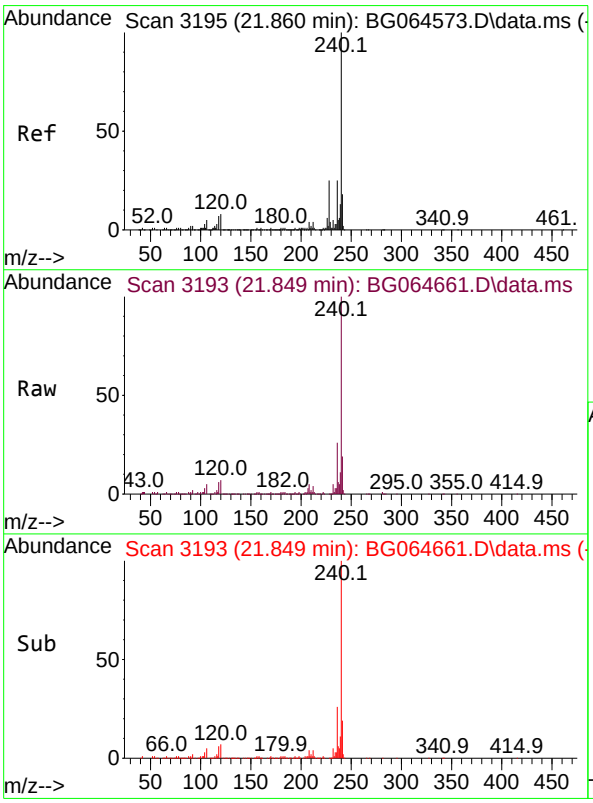
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

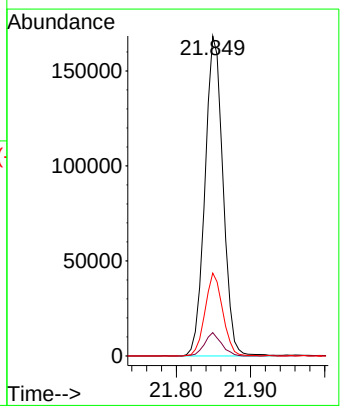


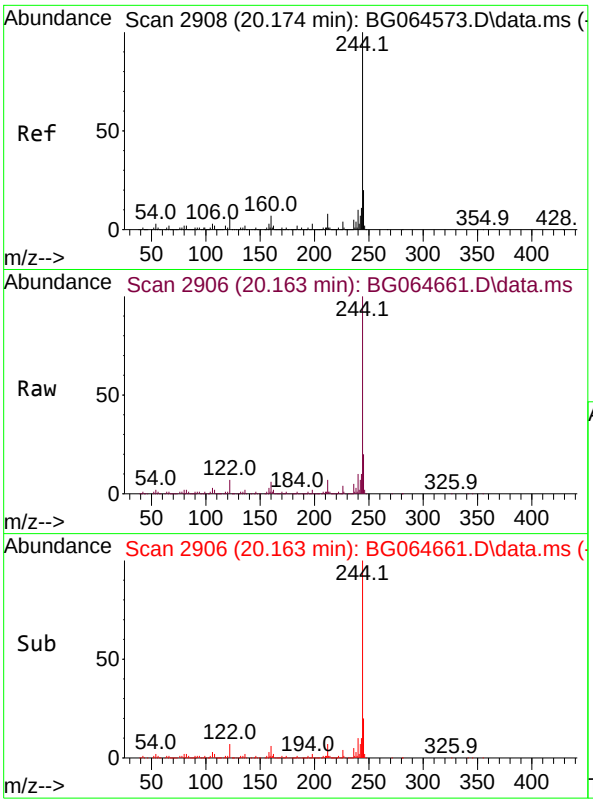


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.014 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



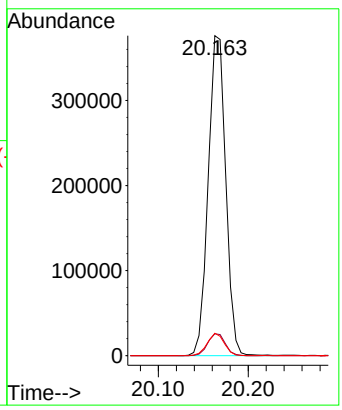


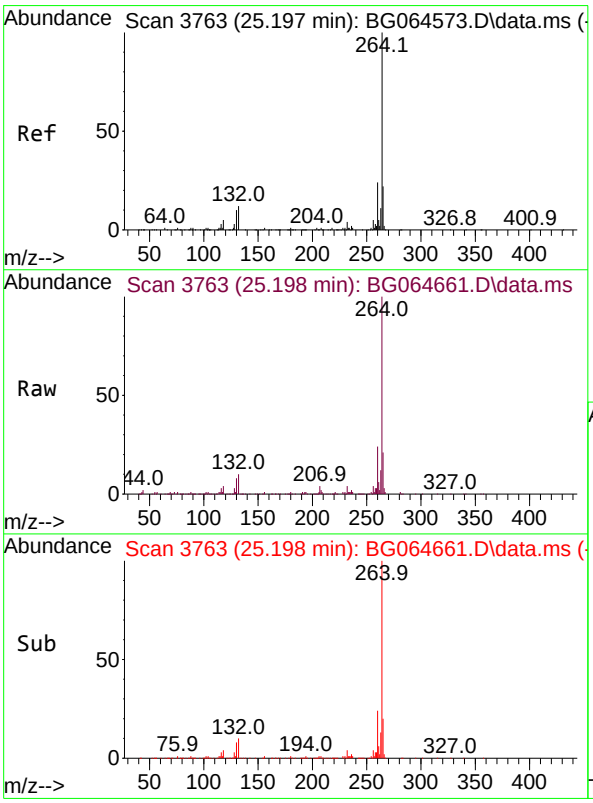
#79
Terphenyl-d14
Concen: 33.915 ng
RT: 20.163 min Scan# 29
Delta R.T. -0.014 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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

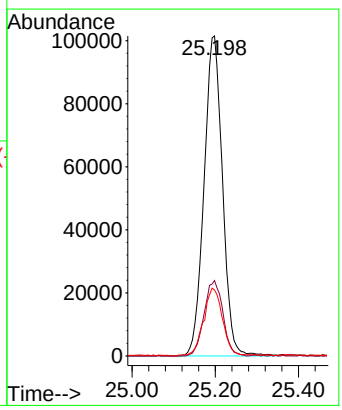




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064661.D
Acq: 31 Oct 2025 18:16

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



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3495

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

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

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.098	1.207	1.155	1.292	1.318	1.192	7.1
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
Naphthalene		1.083	1.144	1.084	1.177	1.201	1.109	6.0
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
Phenanthrene		1.084	1.133	1.073	1.162	1.179	1.094	6.2
Anthracene		1.087	1.144	1.101	1.187	1.204	1.113	6.2
Fluoranthene		1.385	1.463	1.380	1.440	1.403	1.370	5.9
Pyrene		1.287	1.331	1.284	1.411	1.406	1.307	6.2
Terphenyl-d14		1.074	1.120	1.066	1.142	1.102	1.060	7.2
Benzo(a)anthracene		1.294	1.355	1.292	1.416	1.430	1.326	5.7
Chrysene		1.249	1.291	1.229	1.344	1.359	1.262	5.8
Benzo(b)fluoranthene		1.138	1.246	1.169	1.322	1.353	1.226	6.8
Benzo(k)fluoranthene		1.175	1.260	1.206	1.285	1.364	1.227	6.5
Benzo(a)pyrene		1.061	1.144	1.093	1.202	1.246	1.127	6.4
Indeno(1,2,3-cd)pyrene		1.383	1.491	1.410	1.568	1.642	1.471	6.8
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.080	1.162	1.089	1.213	1.280	1.142	6.9

All other compounds must meet a minimum RRF of 0.010.

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

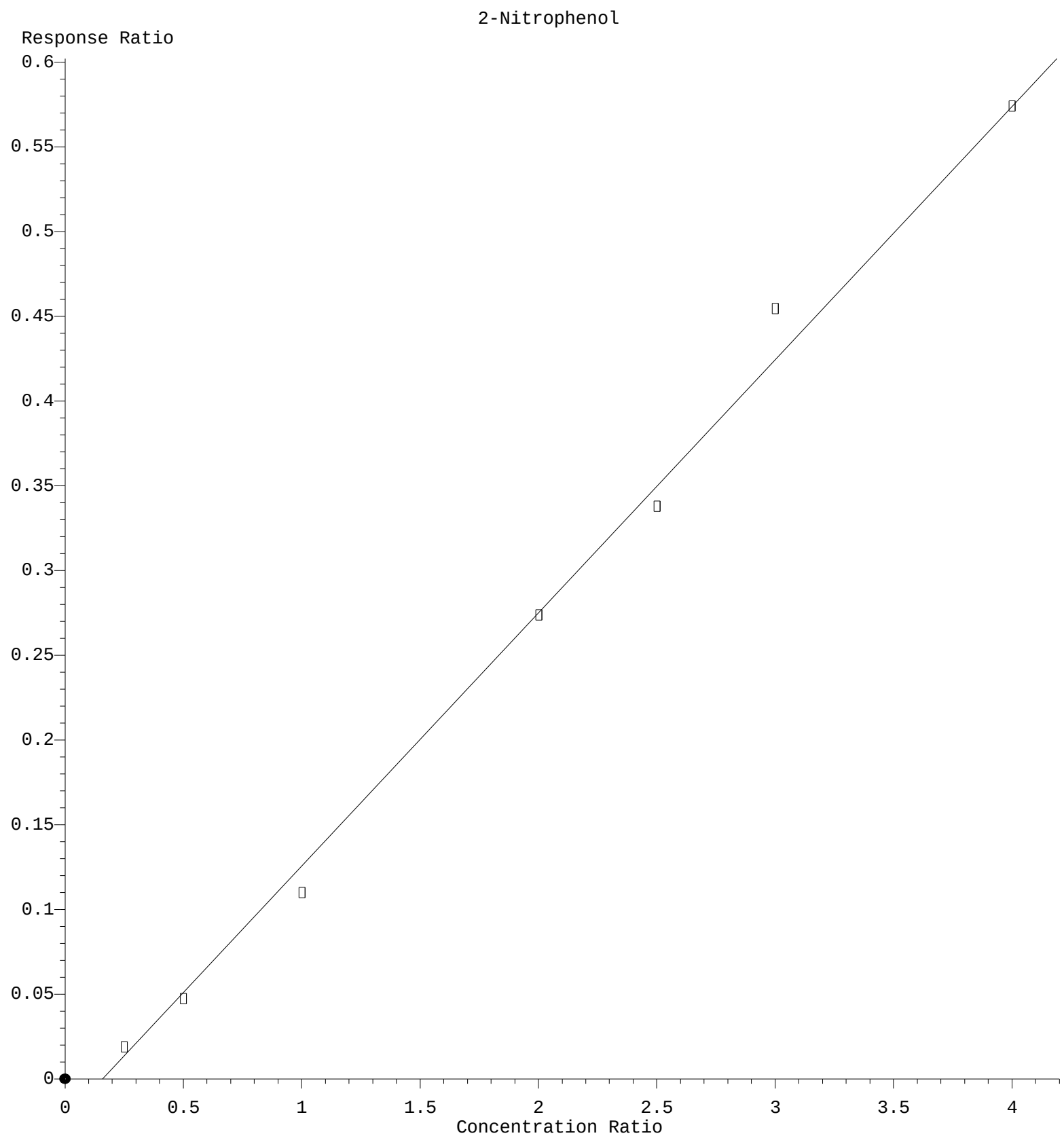
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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

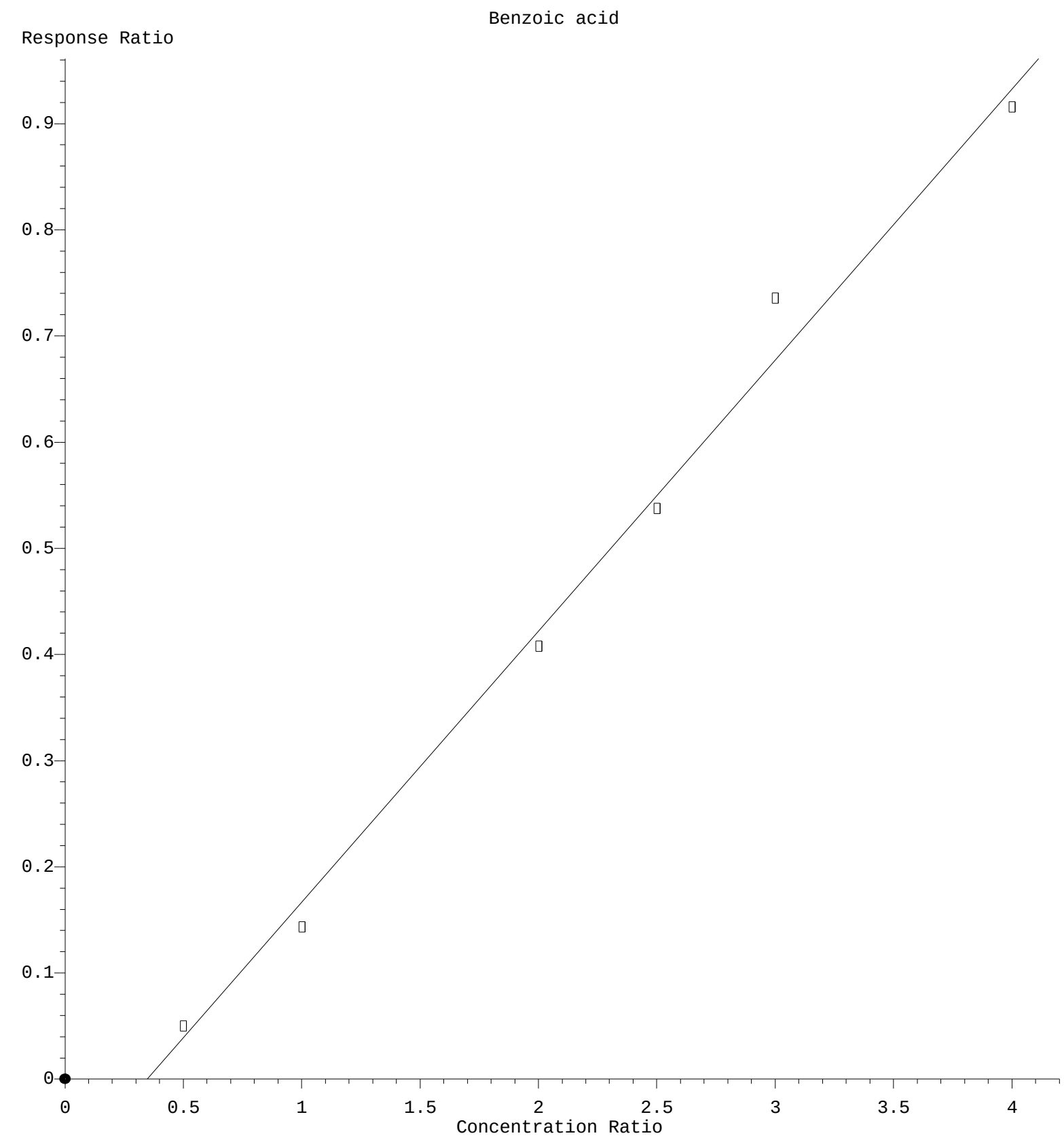
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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

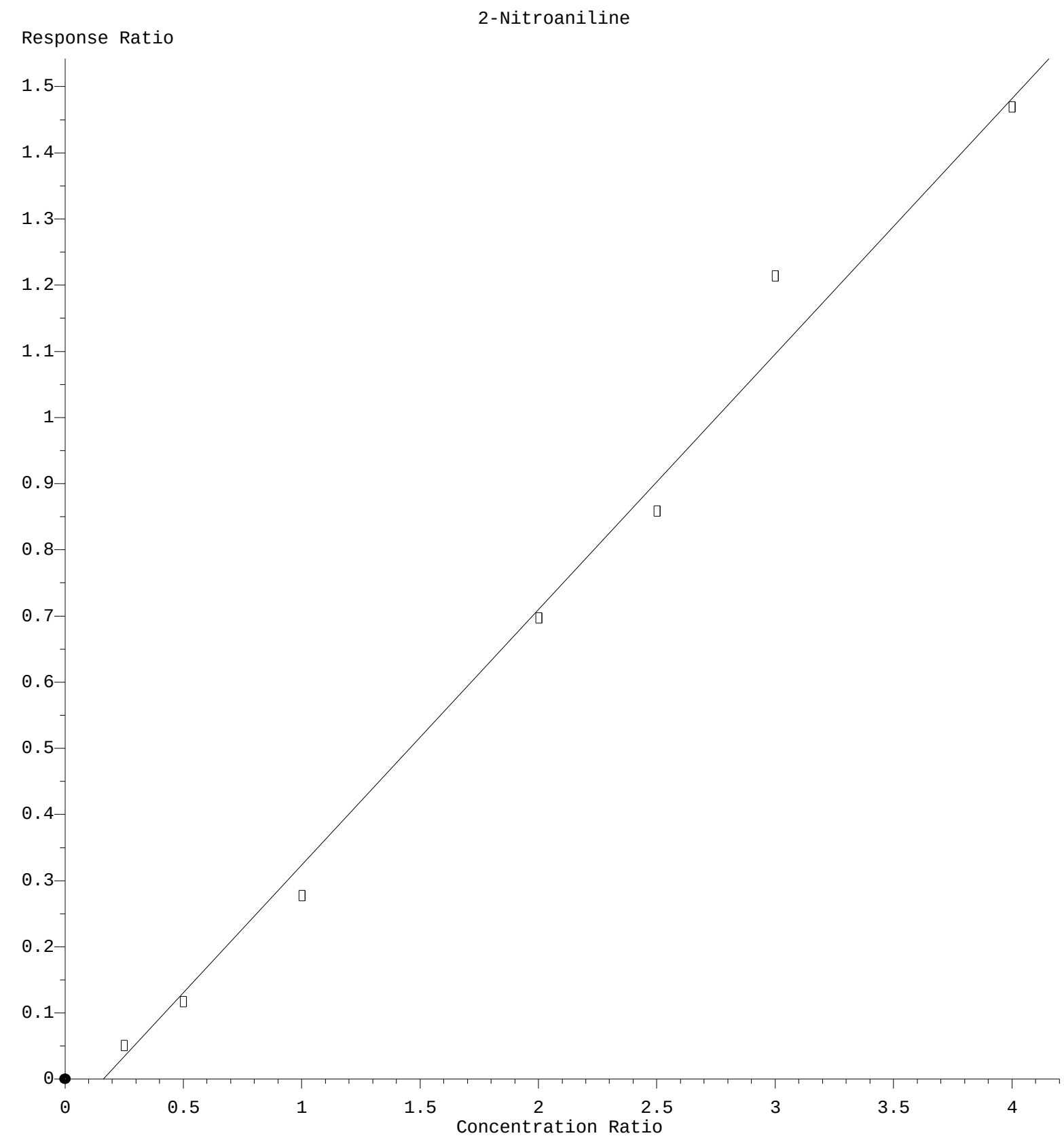
(#) = Out of Range



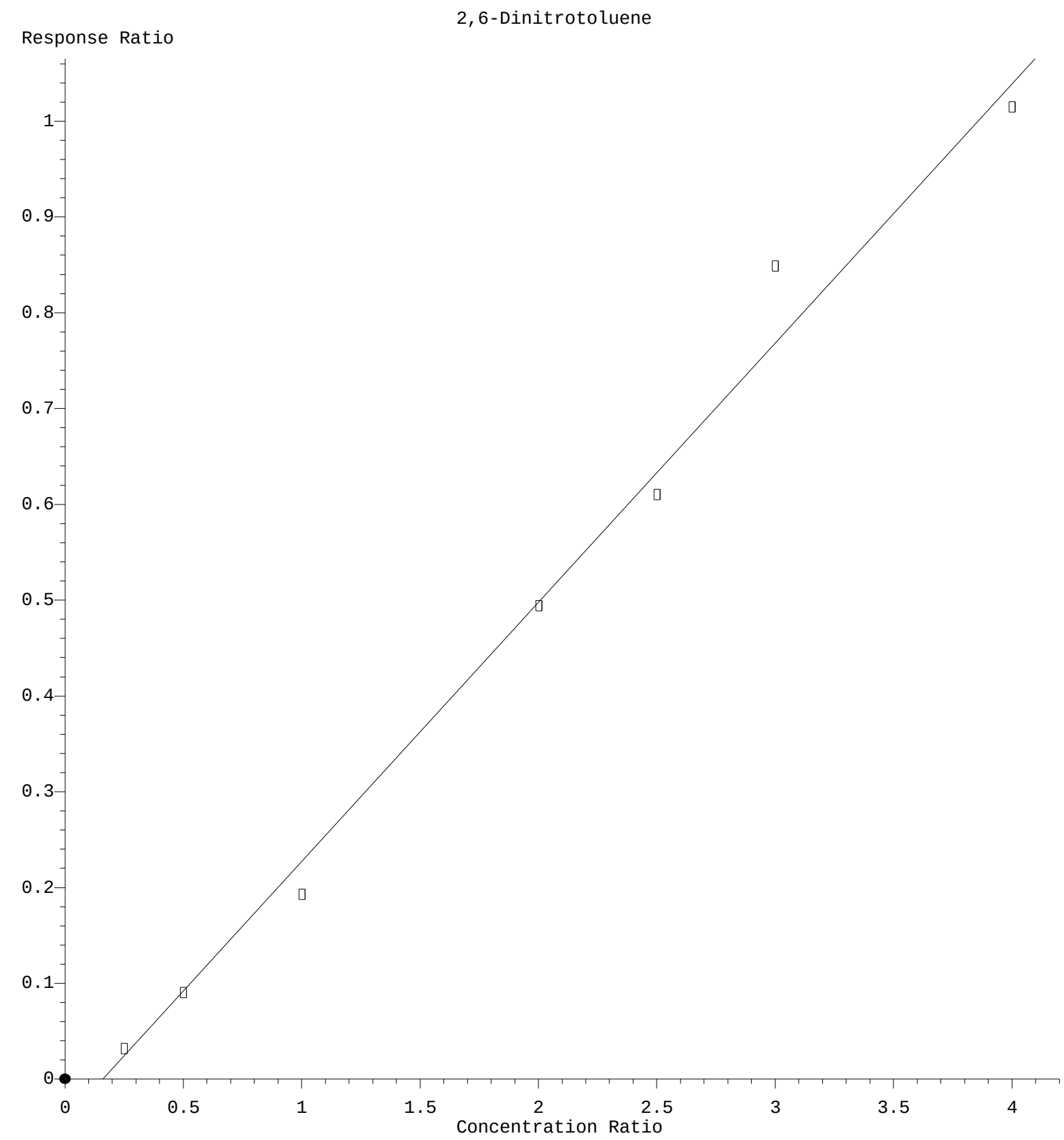
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



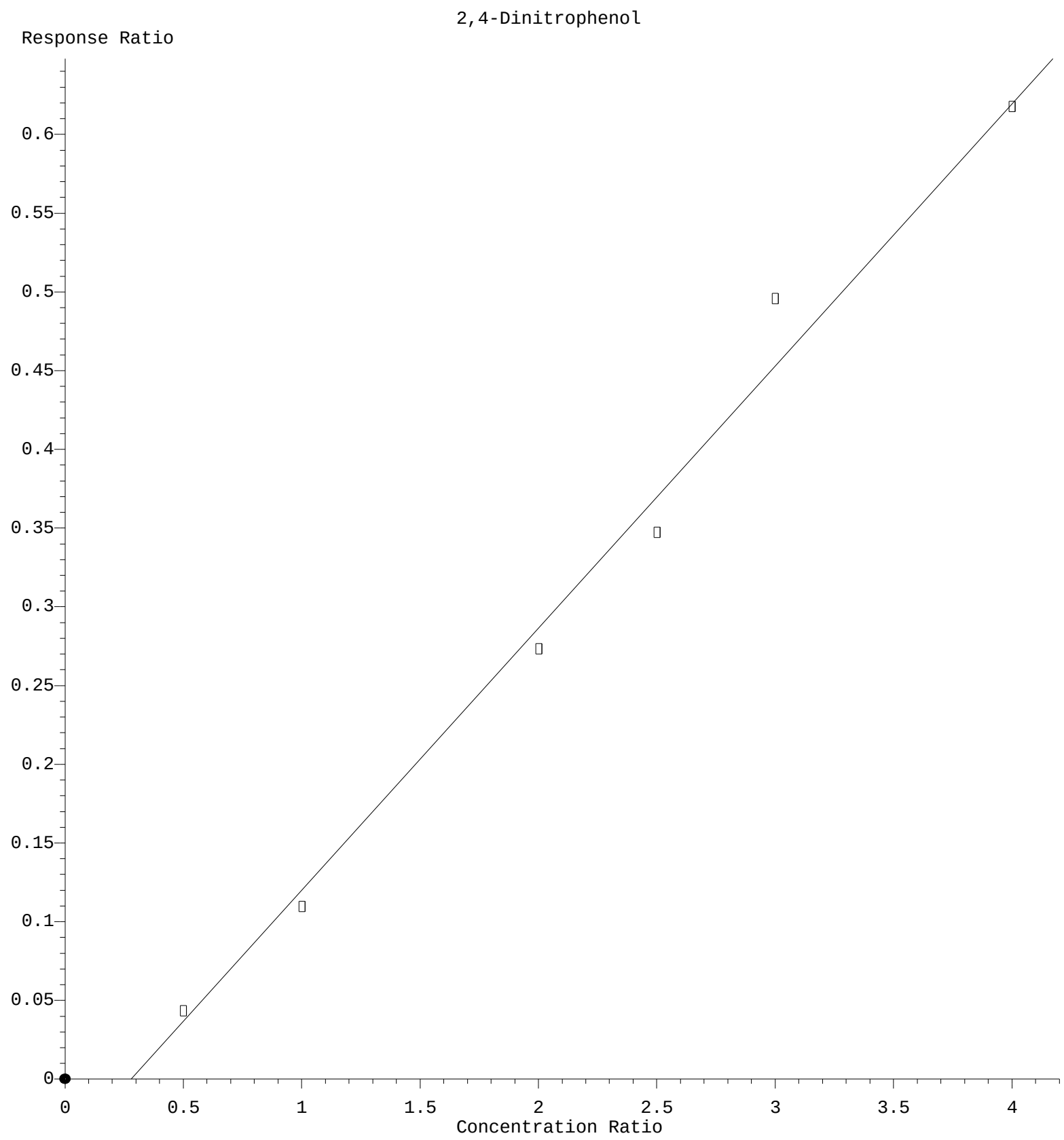
Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



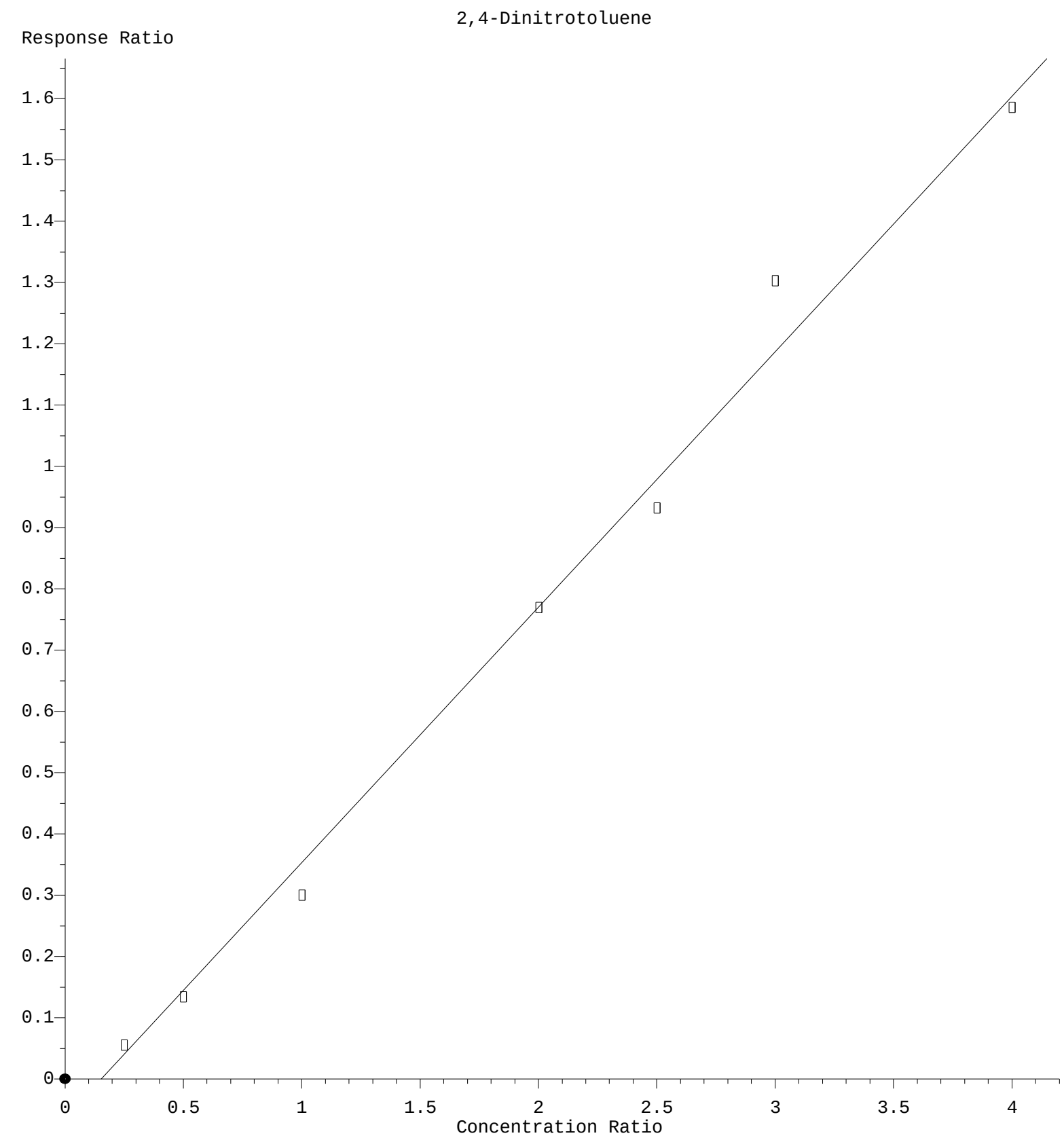
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



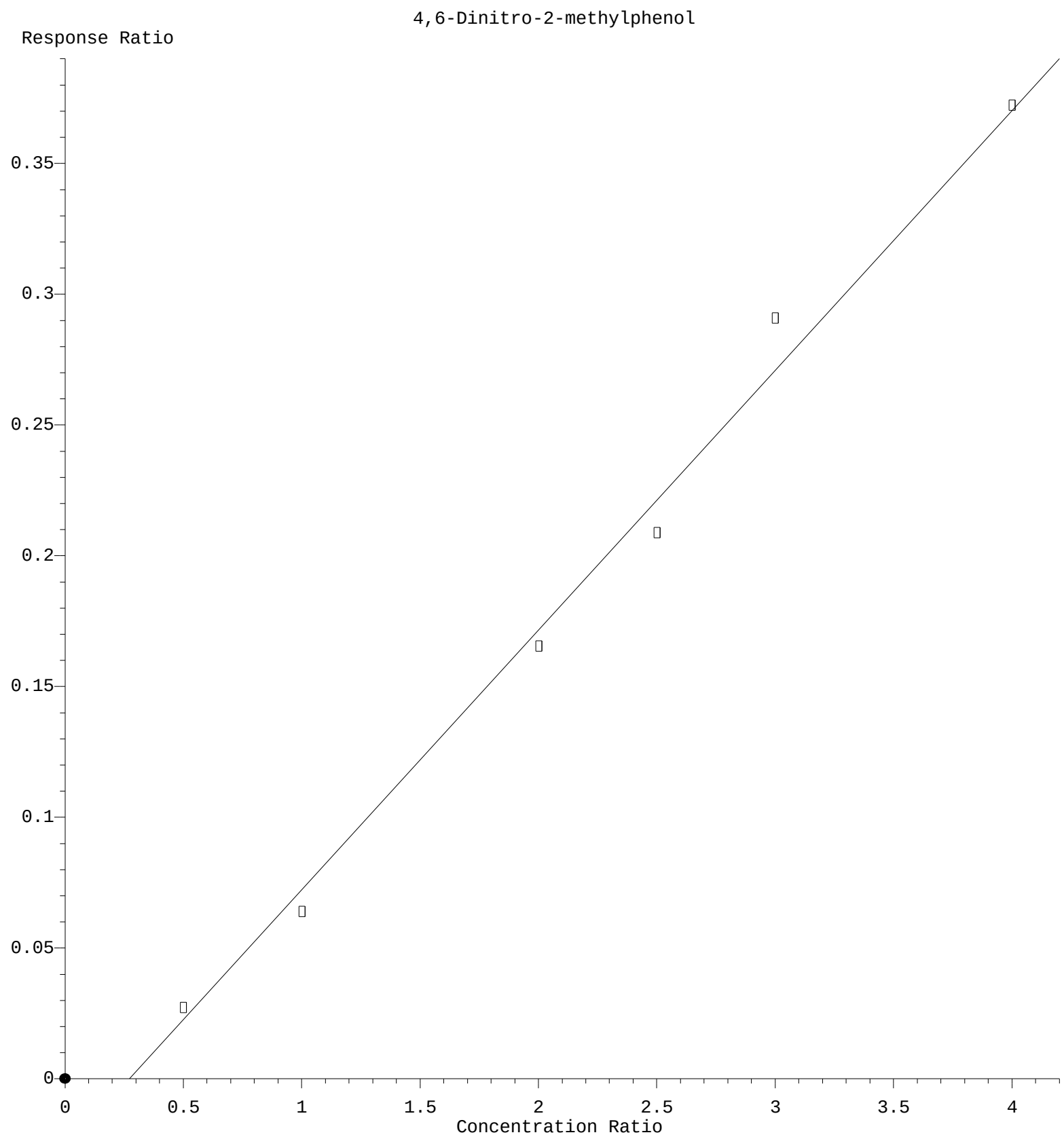
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



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



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	# 90

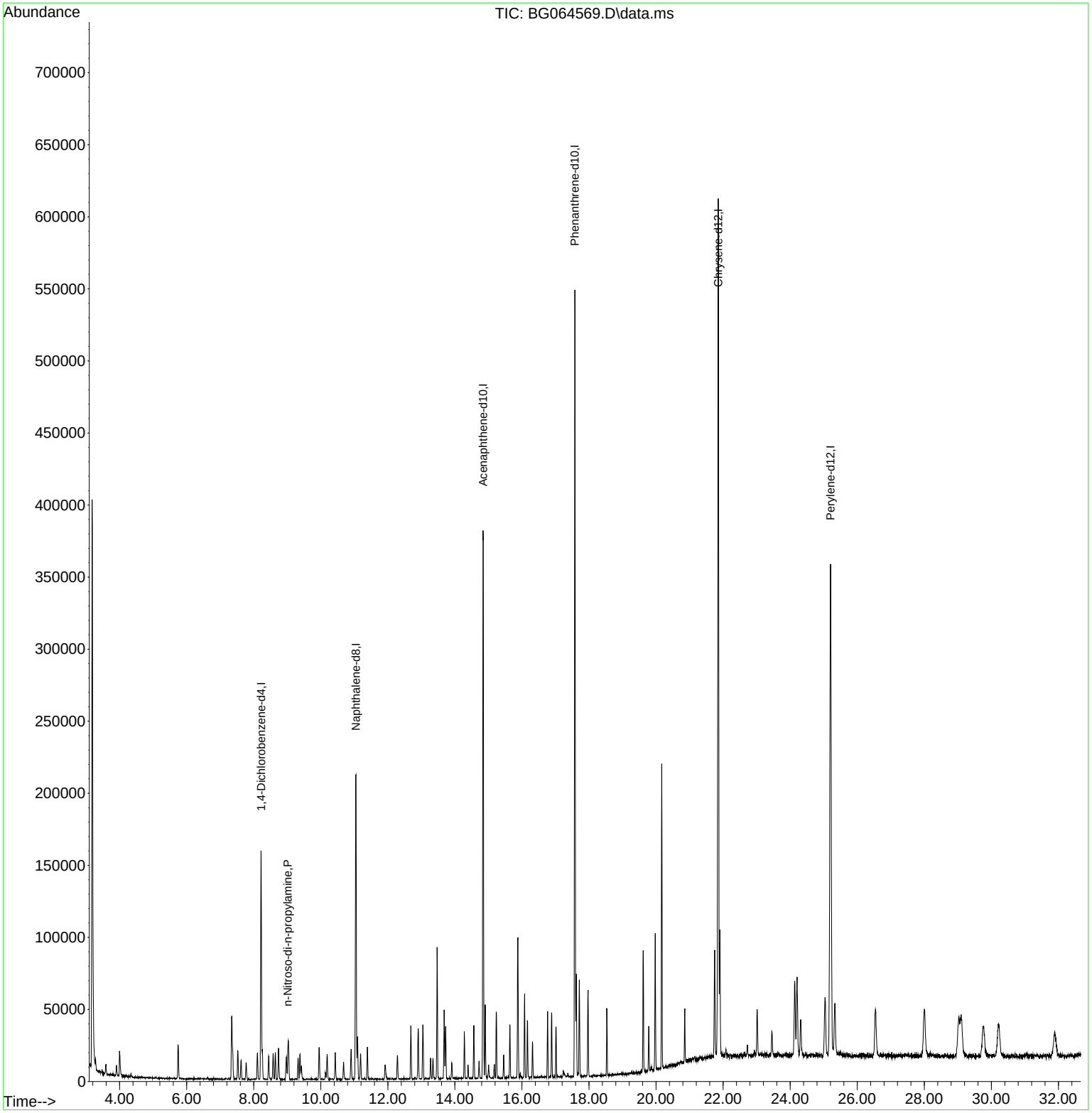
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	#	0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng		0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng		0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng		0.00
86) Perylene-d12	25.199	264	401350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	22421	9.216	ng		0.00
7) Phenol-d6	7.349	99	30003	8.987	ng		0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng		0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng		0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng		95
3) Pyridine	4.000	79	16637	5.143	ng		89
6) Aniline	7.525	93	22494	4.952	ng		98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng		96
10) Phenol	7.373	94	16995	4.603	ng		96
11) bis(2-Chloroethyl)ether	7.619	93	13341	4.915	ng		95
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14610m	4.902	ng		
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng		97
17) 2-Methylphenol	8.648	107	11259	4.593	ng		97
18) Hexachloroethane	9.329	117	4773	4.564	ng		97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng		92
22) Acetophenone	9.035	105	22505	4.892	ng	#	92
24) Nitrobenzene	9.423	77	11526	3.782	ng	#	95
25) Isophorone	9.946	82	31609	4.701	ng	#	93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng		99
27) 2,4-Dimethylphenol	10.193	122	9925	3.969	ng		92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng		95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng		89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng		97
31) Naphthalene	11.098	128	45559	4.883	ng		98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng		93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng		95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng		94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng		97
38) 1-Methylnaphthalene	12.901	142	33565m	4.951	ng		
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng		99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng		93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	#	91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng		95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng		96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng		87
49) Acenaphthylene	14.564	152	54748	4.923	ng		98
50) Dimethylphthalate	14.282	163	45639	4.540	ng		98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	#	91

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

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

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

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

ICAL Form

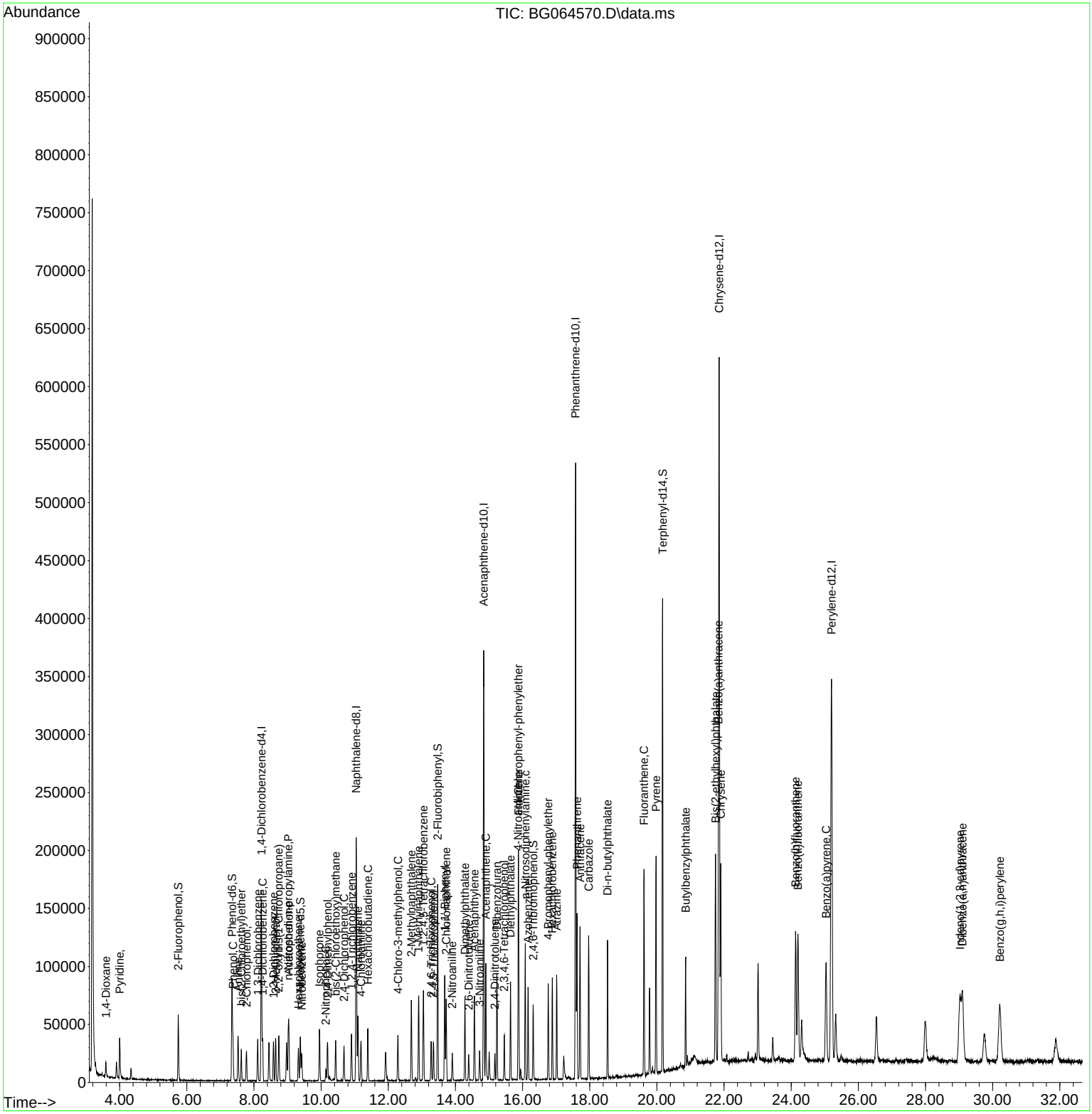
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng		0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng		0.00
86) Perylene-d12	25.198	264	354939	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	43837	20.257	ng		0.00
7) Phenol-d6	7.348	99	60084	20.233	ng		0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng		0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng		0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng		97
3) Pyridine	3.999	79	29199	10.148	ng		95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	#	92
6) Aniline	7.530	93	42134	10.427	ng		97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng		96
9) Benzaldehyde	7.342	77	17117	10.558	ng		94
10) Phenol	7.372	94	33058	10.066	ng		87
11) bis(2-Chloroethyl)ether	7.618	93	25594	10.600	ng		91
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng		98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng		91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng		96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng		97
17) 2-Methylphenol	8.647	107	22254	10.206	ng		97
18) Hexachloroethane	9.322	117	9723	10.452	ng		93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	#	98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng		95
22) Acetophenone	9.040	105	42851	10.338	ng	#	93
24) Nitrobenzene	9.422	77	23618	8.602	ng		98
25) Isophorone	9.951	82	60347	9.962	ng		98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	#	91
27) 2,4-Dimethylphenol	10.192	122	22259	9.879	ng		96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng		98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng		94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng		93
31) Naphthalene	11.097	128	86750	10.319	ng		99
32) Benzoic acid	10.245	122	10748m	10.637	ng		
33) 4-Chloroaniline	11.185	127	34581	10.583	ng		97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng		95
35) Caprolactam	11.931	113	8521	9.162	ng		92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng		98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng		95
38) 1-Methylnaphthalene	12.906	142	64384	10.540	ng		95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng		98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng		91

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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

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

ICAL Form

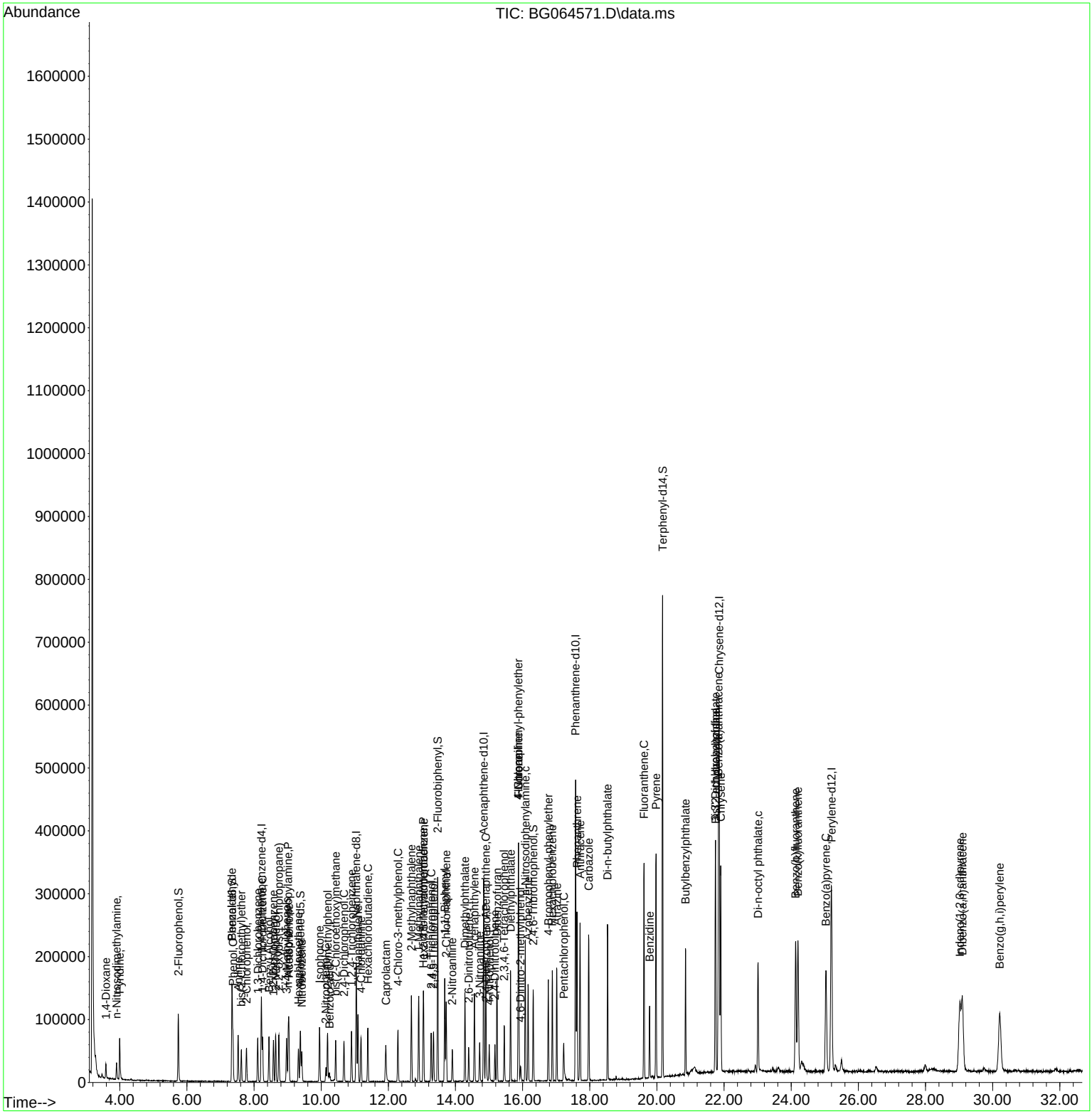
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng		0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng		0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng		0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng		0.00
86) Perylene-d12	25.198	264	430370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.744	112	108123	38.764	ng		0.00
7) Phenol-d6	7.348	99	146608	38.304	ng		0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng		0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng		99
3) Pyridine	3.999	79	72660	19.593	ng		96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	#	90
6) Aniline	7.530	93	99762	19.155	ng		99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng		93
9) Benzaldehyde	7.342	77	46540	22.273	ng		97
10) Phenol	7.377	94	81849	19.337	ng		97
11) bis(2-Chloroethyl)ether	7.624	93	60495	19.439	ng		93
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.757	ng		94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng		99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng		97
17) 2-Methylphenol	8.646	107	55174	19.632	ng		97
18) Hexachloroethane	9.322	117	23663	19.735	ng		97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	#	94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng		94
22) Acetophenone	9.040	105	101737	19.328	ng		96
24) Nitrobenzene	9.422	77	66292	19.012	ng		95
25) Isophorone	9.951	82	148388	19.290	ng		98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng		92
27) 2,4-Dimethylphenol	10.192	122	54972	19.211	ng		90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng		97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng		96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng		97
31) Naphthalene	11.096	128	208734	19.552	ng		99
32) Benzoic acid	10.274	122	31567m	18.155	ng		
33) 4-Chloroaniline	11.190	127	79067	19.055	ng		96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng		98
35) Caprolactam	11.931	113	22010	18.635	ng		93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng		92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng		97
38) 1-Methylnaphthalene	12.906	142	149456	19.266	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng		99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng		95

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

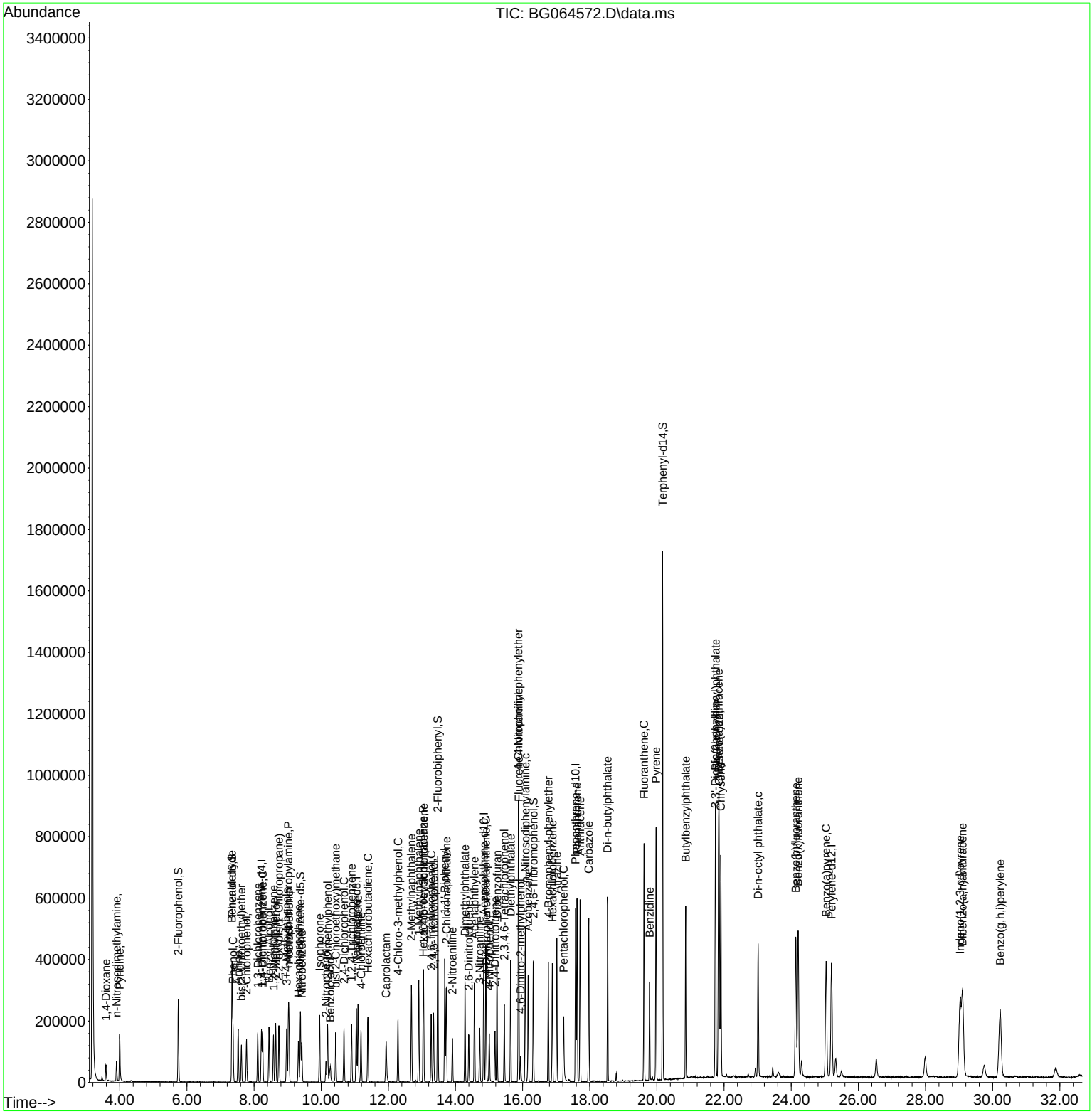
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.624	93	111183	41.613	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.037	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.652	107	102315	42.405	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	45.129	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	73604m	40.425	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.362	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

ICAL Form

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

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

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

ICAL Form

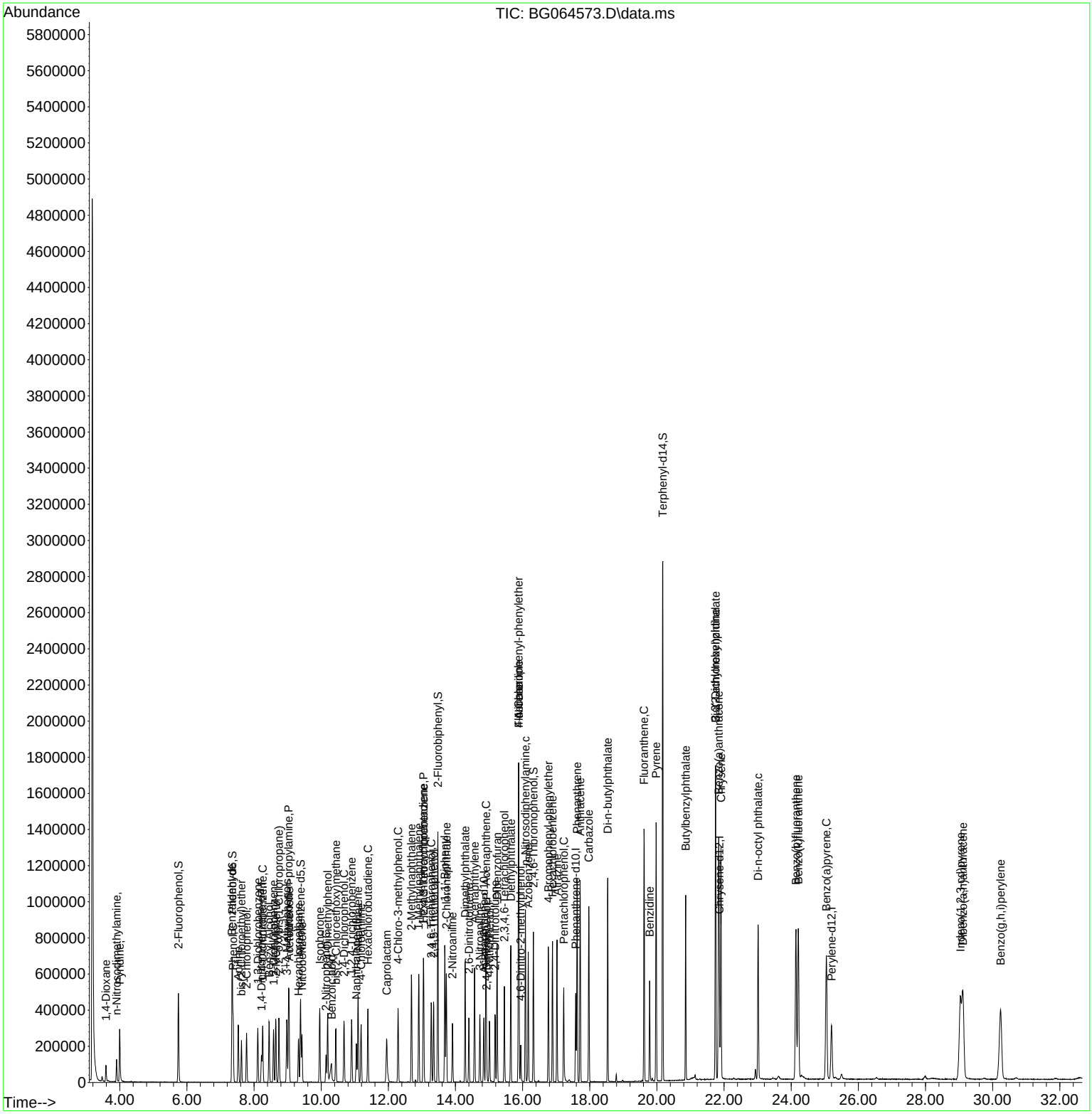
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng		0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng		0.00
86) Perylene-d12	25.205	264	350916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	318446	132.728	ng		0.00
7) Phenol-d6	7.355	99	450449	136.821	ng		0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng		0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng		0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng		0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng		98
3) Pyridine	4.001	79	209372	65.637	ng		98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng		94
6) Aniline	7.532	93	294791	65.803	ng		98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng		98
9) Benzaldehyde	7.344	77	118559	65.963	ng		98
10) Phenol	7.379	94	244914	67.267	ng		98
11) bis(2-Chloroethyl)ether	7.626	93	174337	65.126	ng		100
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.156	ng		95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng		98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng		100
17) 2-Methylphenol	8.648	107	162536	67.237	ng		98
18) Hexachloroethane	9.324	117	67237	65.193	ng		99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng		99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng		98
22) Acetophenone	9.048	105	297413	64.759	ng	#	96
24) Nitrobenzene	9.430	77	220774	72.567	ng		98
25) Isophorone	9.958	82	449298	66.940	ng		99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng		98
27) 2,4-Dimethylphenol	10.193	122	173061	69.317	ng		97
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng		99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng		96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng		95
31) Naphthalene	11.098	128	605239	64.976	ng		99
32) Benzoic acid	10.340	122	130898m	65.612	ng		
33) 4-Chloroaniline	11.192	127	245101	67.699	ng		98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng		97
35) Caprolactam	11.968	113	71319	69.206	ng		96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng		100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng		98
38) 1-Methylnaphthalene	12.908	142	442677	65.402	ng		99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng		100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng		99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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

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

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

ICAL Form

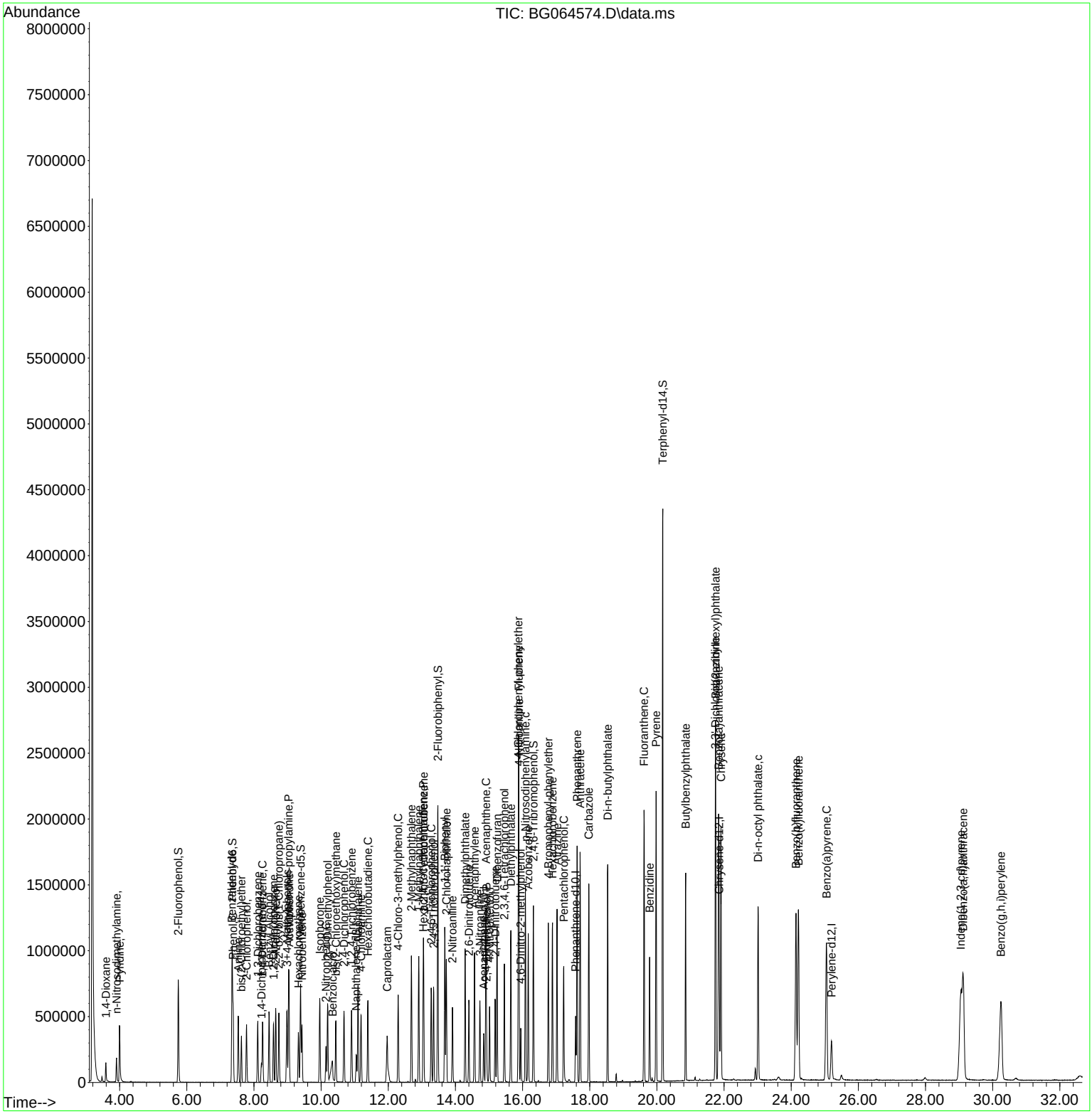
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng		0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng		0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng		0.00
86) Perylene-d12	25.201	264	382372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	411587	151.948	ng		0.00
7) Phenol-d6	7.357	99	554287	149.124	ng		0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng		0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng		0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng		99
3) Pyridine	3.996	79	259519	72.062	ng		96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng		99
6) Aniline	7.533	93	364528	72.073	ng		99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng		99
9) Benzaldehyde	7.339	77	120456	59.361	ng		94
10) Phenol	7.386	94	307886	74.900	ng		98
11) bis(2-Chloroethyl)ether	7.627	93	217960	72.119	ng		96
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.502	ng		97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng		98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng		99
17) 2-Methylphenol	8.649	107	203667	74.625	ng		97
18) Hexachloroethane	9.325	117	87876	75.469	ng		98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng		99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng		98
22) Acetophenone	9.049	105	365265	74.412	ng	#	99
24) Nitrobenzene	9.431	77	273231	84.025	ng		97
25) Isophorone	9.966	82	539122	75.150	ng		100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng		94
27) 2,4-Dimethylphenol	10.195	122	208054	77.967	ng		97
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng		99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng		97
31) Naphthalene	11.100	128	744985	74.828	ng		99
32) Benzoic acid	10.342	122	169962m	77.917	ng		
33) 4-Chloroaniline	11.188	127	290611	75.100	ng		98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng		99
35) Caprolactam	11.975	113	83266	75.596	ng		93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng		99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng		99
38) 1-Methylnaphthalene	12.909	142	527717	72.945	ng		98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng		99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng		99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng		98

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

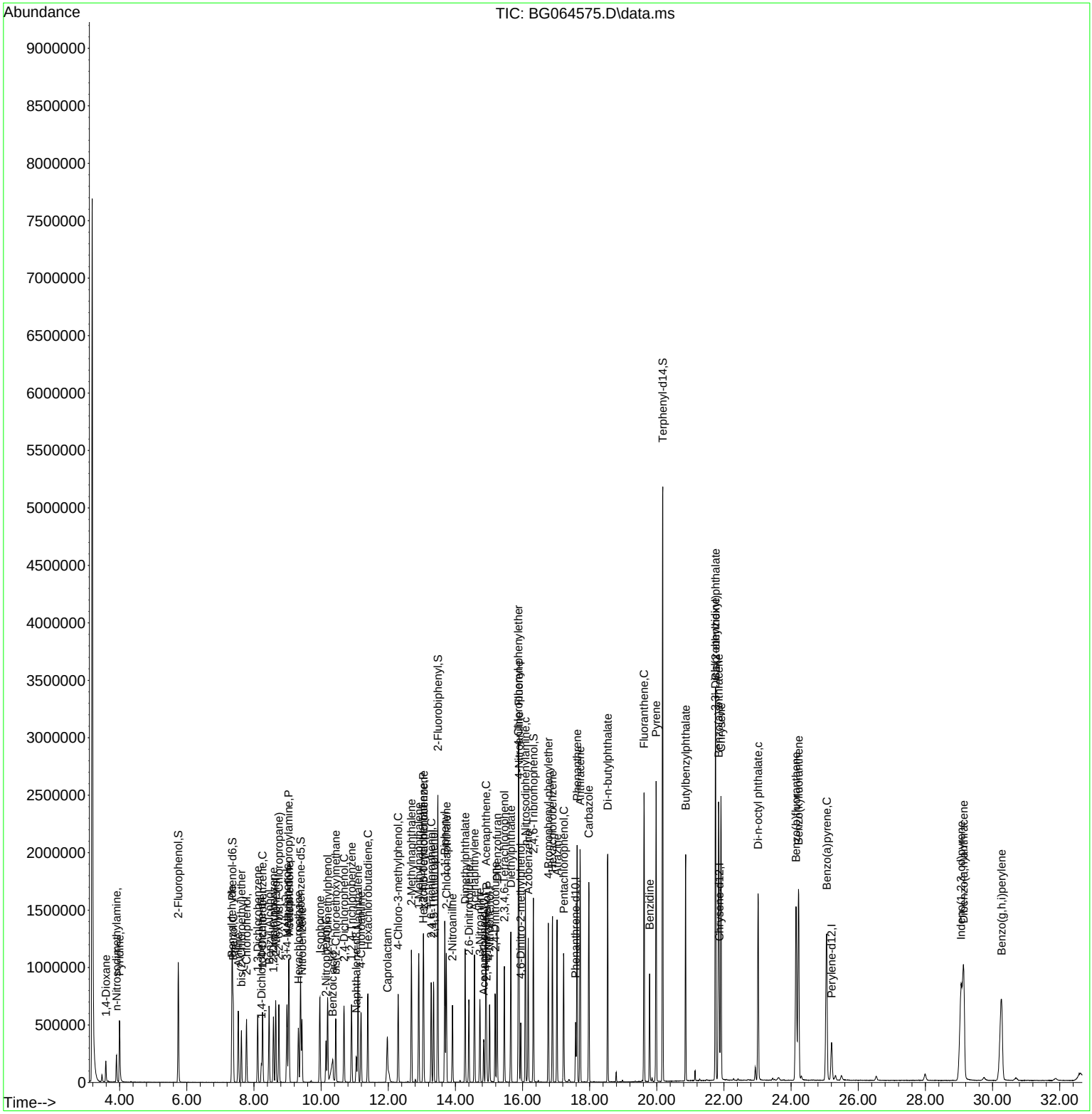
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng		0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng		0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng		0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng		0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng		0.00
86) Perylene-d12	25.210	264	385865	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	249333	95.606	ng		0.00
7) Phenol-d6	7.354	99	349586	97.687	ng		0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng		0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng		0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng		0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng		99
3) Pyridine	3.999	79	161000	46.434	ng		96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng		92
6) Aniline	7.536	93	228687	46.963	ng		99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng		96
9) Benzaldehyde	7.343	77	91457	46.812	ng		96
10) Phenol	7.384	94	192663	48.681	ng		98
11) bis(2-Chloroethyl)ether	7.630	93	139360	47.894	ng		95
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.293	ng		93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng		96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng		99
17) 2-Methylphenol	8.653	107	126868	48.282	ng		94
18) Hexachloroethane	9.328	117	54330	48.463	ng		94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng		97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng		99
22) Acetophenone	9.046	105	234956	47.155	ng	#	100
24) Nitrobenzene	9.428	77	171837	52.060	ng		96
25) Isophorone	9.957	82	348174	47.813	ng		97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng		90
27) 2,4-Dimethylphenol	10.198	122	135402	49.988	ng		96
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng		99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng		94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng		94
31) Naphthalene	11.103	128	471891	46.695	ng		98
32) Benzoic acid	10.321	122	97970m	47.410	ng		
33) 4-Chloroaniline	11.191	127	186814	47.560	ng		98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng		98
35) Caprolactam	11.961	113	53689	48.020	ng	#	93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng		98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng		97
38) 1-Methylnaphthalene	12.913	142	342687	46.666	ng		95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng		99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng		98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng		98

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

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

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

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

ICAL Form

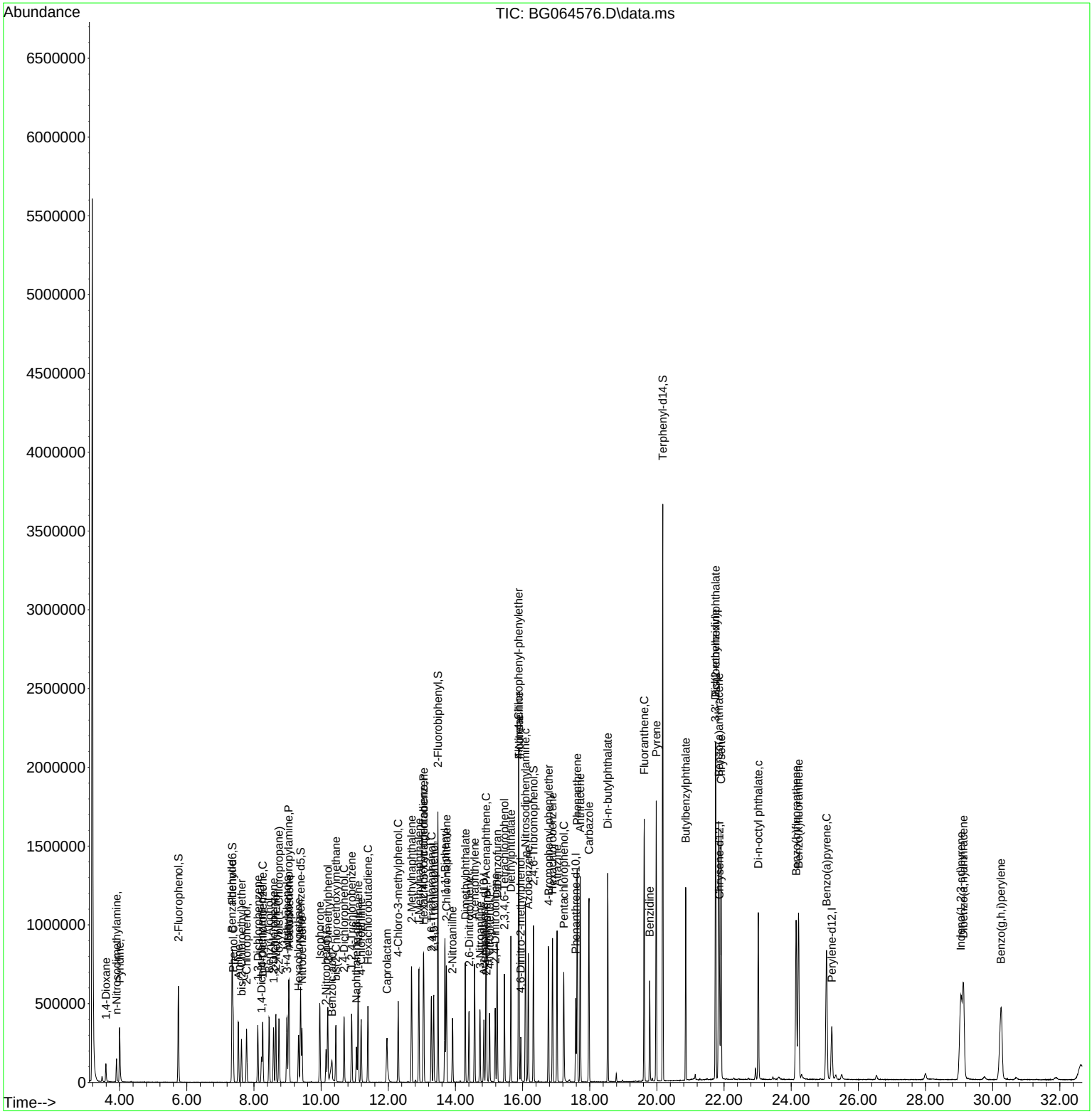
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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



ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.623	93	86447	34.973	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.634	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.651	107	85863	38.466	ng	93
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	94545	40.491	ng	99
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	48162	29.620	ng	96
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.513	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

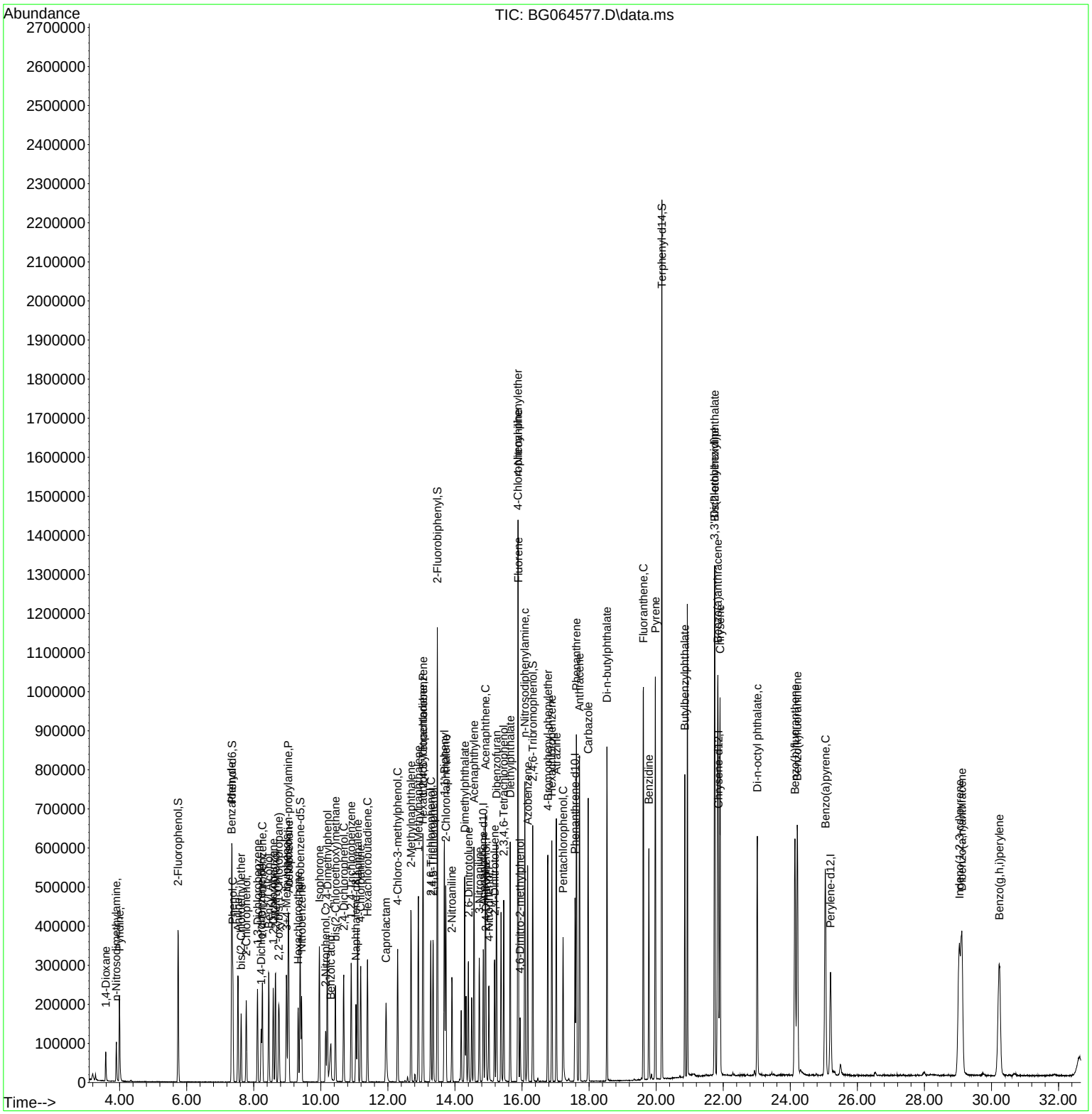
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

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

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	36.129	9.7	87	0.00
49		Acenaphthylene	40.000	41.457	-3.6	93	0.00
50		Dimethylphthalate	40.000	36.890	7.8	82	0.00
51		2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52	C	Acenaphthene	40.000	35.340	11.6	80	0.00
53		3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54	P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55		Dibenzofuran	40.000	36.096	9.8	82	0.00
56	P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57		2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58		Fluorene	40.000	36.238	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60		Diethylphthalate	40.000	35.961	10.1	81	0.00
61		4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62		4-Nitroaniline	40.000	37.867	5.3	81	0.00
63		Azobenzene	40.000	36.325	9.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68		Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69		Atrazine	40.000	38.558	3.6	85	0.00
70	C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71		Phenanthrene	40.000	35.925	10.2	78	0.00
72		Anthracene	40.000	36.210	9.5	79	0.00
73		Carbazole	40.000	35.061	12.3	77	0.00
74		Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75	C	Fluoranthene	40.000	34.070	14.8	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	54.203	-35.5#	109	0.00
78		Pyrene	40.000	36.130	9.7	74	0.00
79	S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80		Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81		Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83		Chrysene	40.000	35.533	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	0.00
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	0.00
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	0.00
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	0.01
92		Benzo(g,h,i)perylene	40.000	37.302	6.7	77	0.00

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

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

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.318	-2.3	87	0.00
49		Acenaphthylene	1.693	1.755	-3.7	93	0.00
50		Dimethylphthalate	1.530	1.411	7.8	82	0.00
51		2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52	C	Acenaphthene	1.157	1.022	11.7	80	0.00
53		3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54	P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55		Dibenzofuran	1.870	1.687	9.8	82	0.00
56	P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57		2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58		Fluorene	1.460	1.323	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60		Diethylphthalate	1.563	1.405	10.1	81	0.00
61		4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62		4-Nitroaniline	0.293	0.277	5.5	81	0.00
63		Azobenzene	1.434	1.302	9.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67		4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68		Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69		Atrazine	0.232	0.224	3.4	85	0.00
70	C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71		Phenanthrene	1.094	0.982	10.2	78	0.00
72		Anthracene	1.113	1.007	9.5	79	0.00
73		Carbazole	0.981	0.860	12.3	77	0.00
74		Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75	C	Fluoranthene	1.370	1.167	14.8	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.448	0.607	-35.5#	109	0.00
78		Pyrene	1.307	1.180	9.7	74	0.00
79	S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80		Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83		Chrysene	1.262	1.121	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85	c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	0.00
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	0.00
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	0.00
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	0.01
92		Benzo(g,h,i)perylene	1.142	1.065	6.7	77	0.00

ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3495

Instrument ID: BNA_P Calibration Date(s): 10/29/2025 10/29/2025

Calibration Time(s): 09:26 14:13

LAB FILE ID: RRF2.5 = BP026028.D RRF005 = BP026029.D RRF010 = BP026030.D
RRF020 = BP026031.D RRF040 = BP026032.D RRF050 = BP026033.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.055	1.255	1.234	1.249	1.123	1.212	7.4
Phenol-d6		1.366	1.580	1.574	1.606	1.425	1.543	6.8
Nitrobenzene-d5		0.256	0.317	0.327	0.338	0.306	0.321	10.3
Naphthalene		1.039	1.181	1.121	1.115	0.978	1.091	6.3
2-Fluorobiphenyl		1.350	1.549	1.454	1.421	1.231	1.392	7.5
Acenaphthylene		1.547	1.845	1.832	1.832	1.618	1.756	7.2
Acenaphthene		1.101	1.285	1.247	1.249	1.089	1.206	6.8
Fluorene		1.347	1.621	1.501	1.450	1.260	1.427	8.8
2,4,6-Tribromophenol		0.155	0.211	0.218	0.236	0.209	0.216	14.2
Phenanthrene		1.133	1.288	1.209	1.189	1.031	1.164	7.1
Anthracene		1.064	1.262	1.195	1.177	1.044	1.154	7.1
Fluoranthene		1.259	1.469	1.426	1.411	1.224	1.358	7.1
Pyrene		1.201	1.488	1.395	1.427	1.217	1.353	8.2
Terphenyl-d14		0.953	1.125	1.013	1.014	0.860	0.984	8.8
Benzo(a)anthracene		1.279	1.497	1.407	1.420	1.224	1.374	7.0
Chrysene		1.210	1.424	1.348	1.345	1.169	1.302	6.9
Benzo(b)fluoranthene		1.074	1.277	1.278	1.306	1.149	1.242	7.7
Benzo(k)fluoranthene		1.119	1.365	1.306	1.331	1.141	1.268	7.9
Benzo(a)pyrene		0.941	1.169	1.171	1.210	1.054	1.141	9.4
Indeno(1,2,3-cd)pyrene		1.190	1.486	1.539	1.564	1.371	1.476	10.1
Dibenzo(a,h)anthracene		0.978	1.219	1.249	1.274	1.117	1.202	9.7
Benzo(g,h,i)perylene		0.966	1.167	1.219	1.212	1.068	1.156	8.9

All other compounds must meet a minimum RRF of 0.010.

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

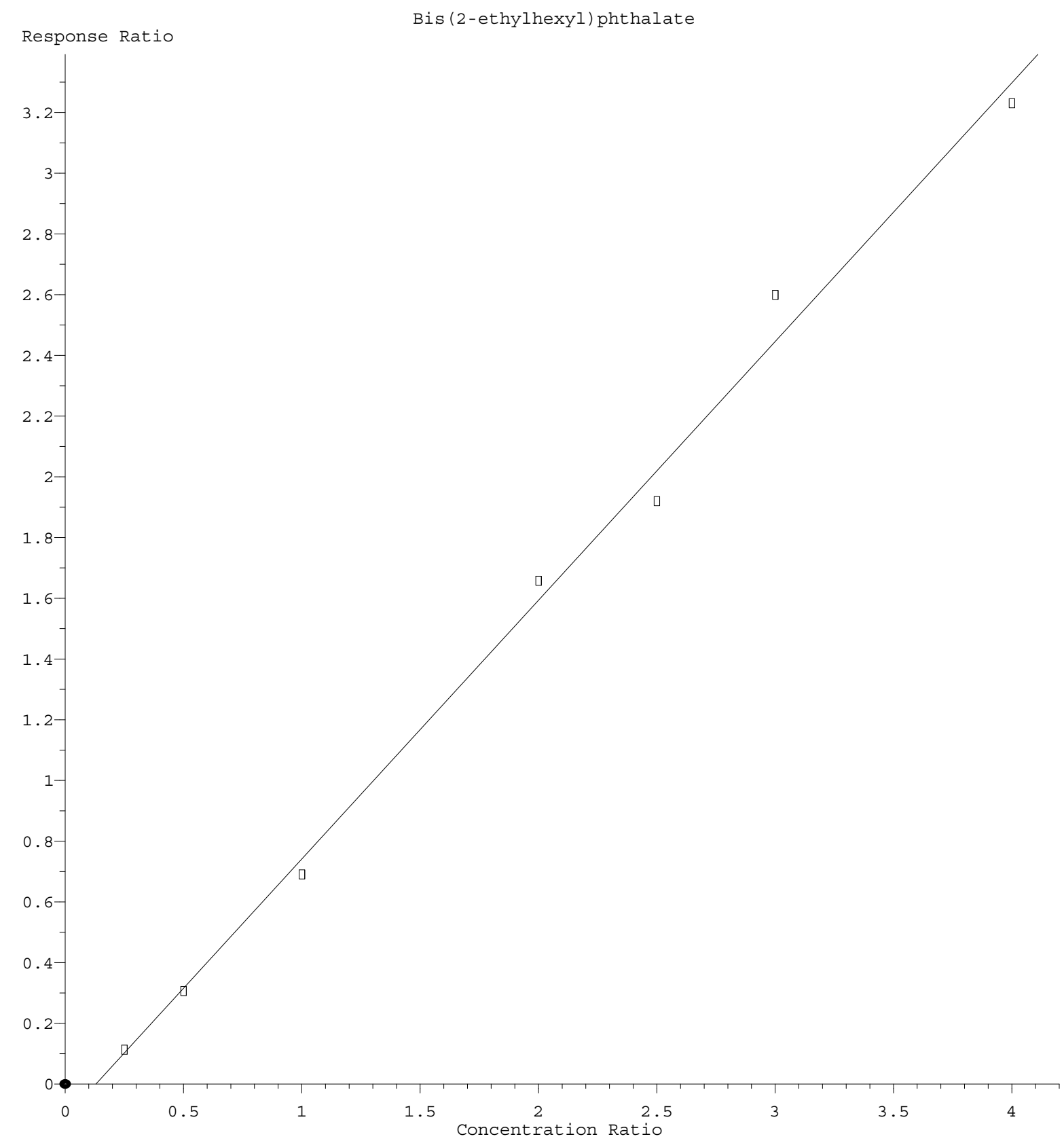
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

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

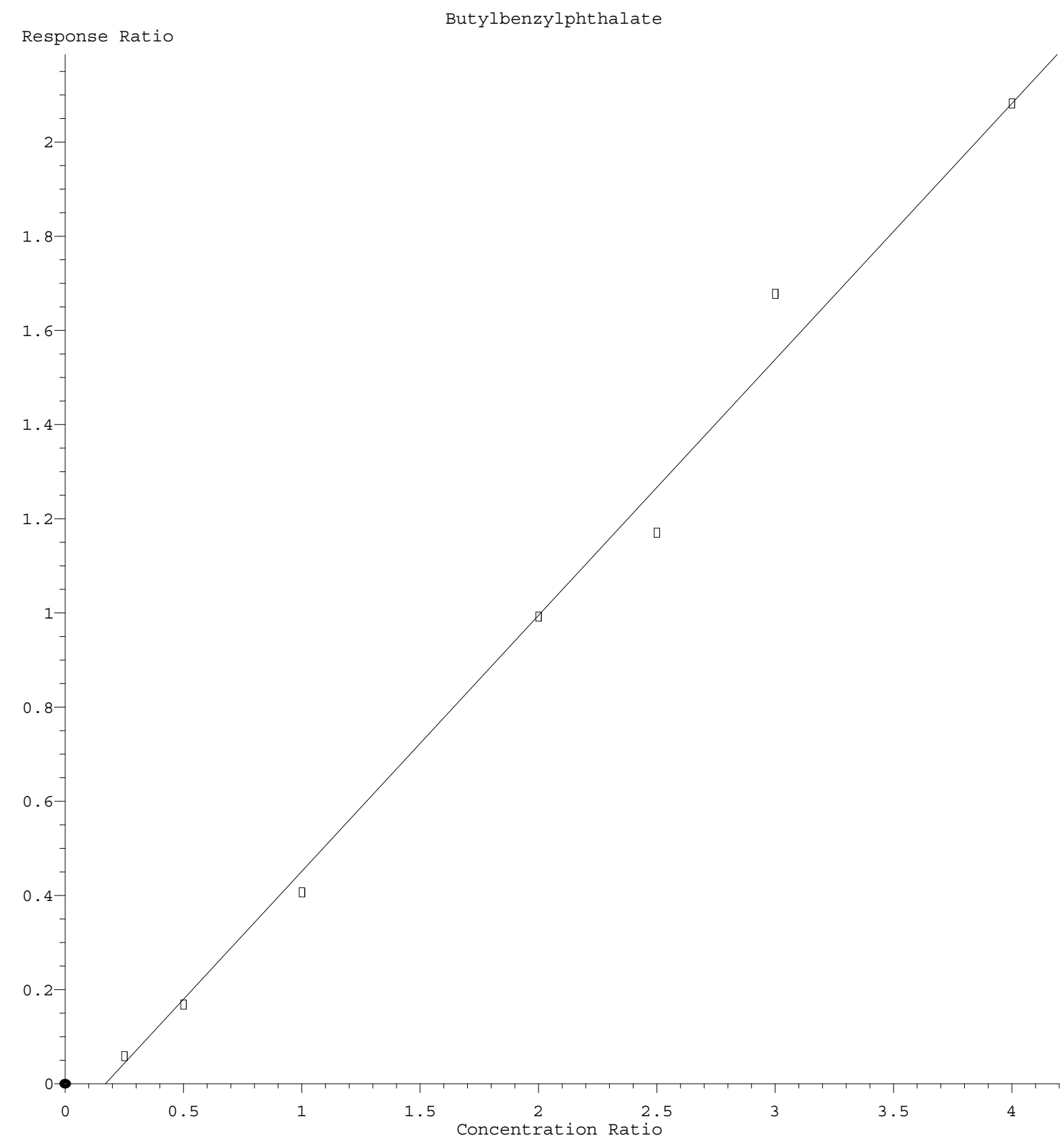
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP102925.M

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

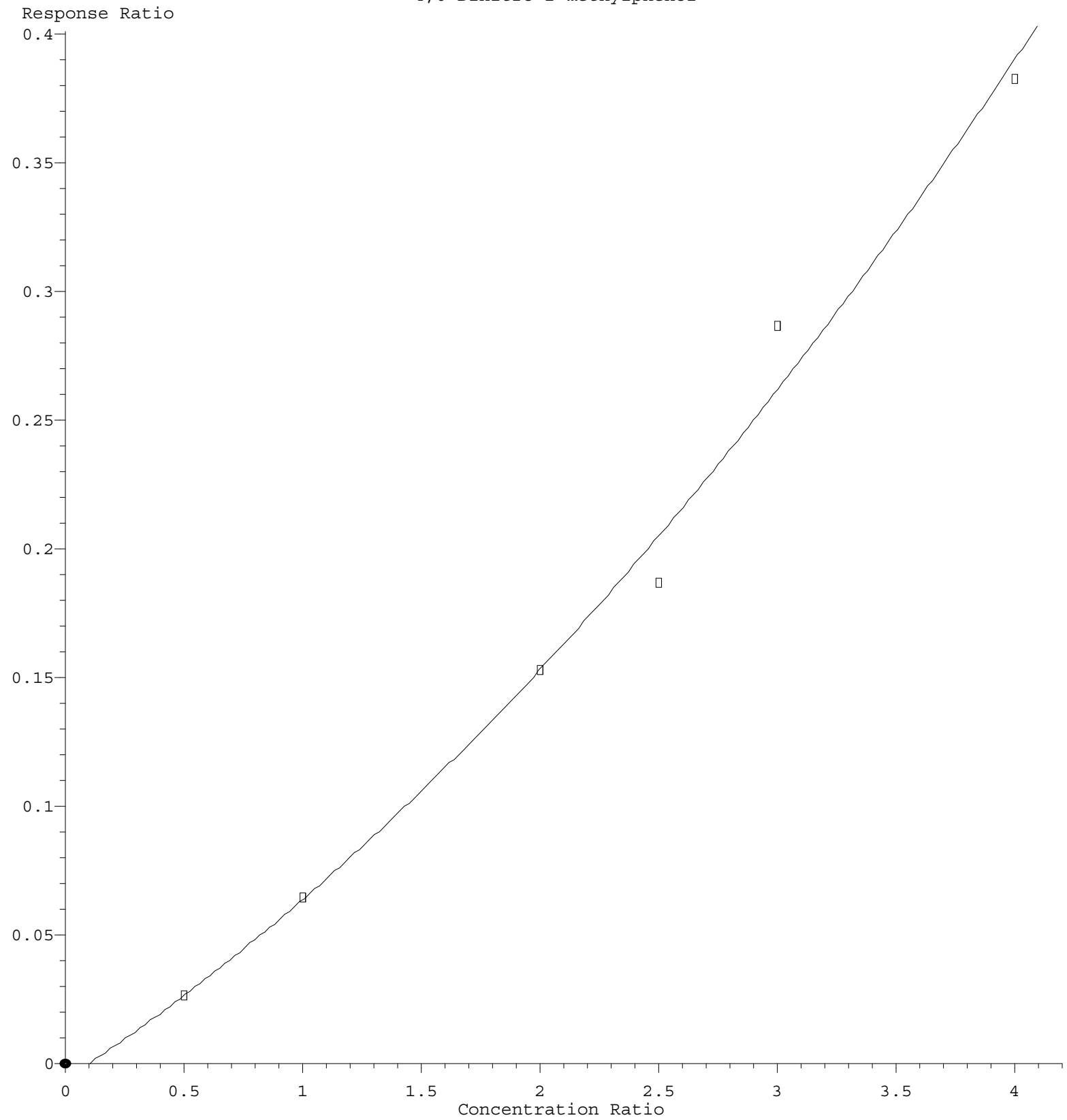


Response = 8.521e-001 * Amt - 1.107e-001
Coef of Det (r^2) = 0.996648 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

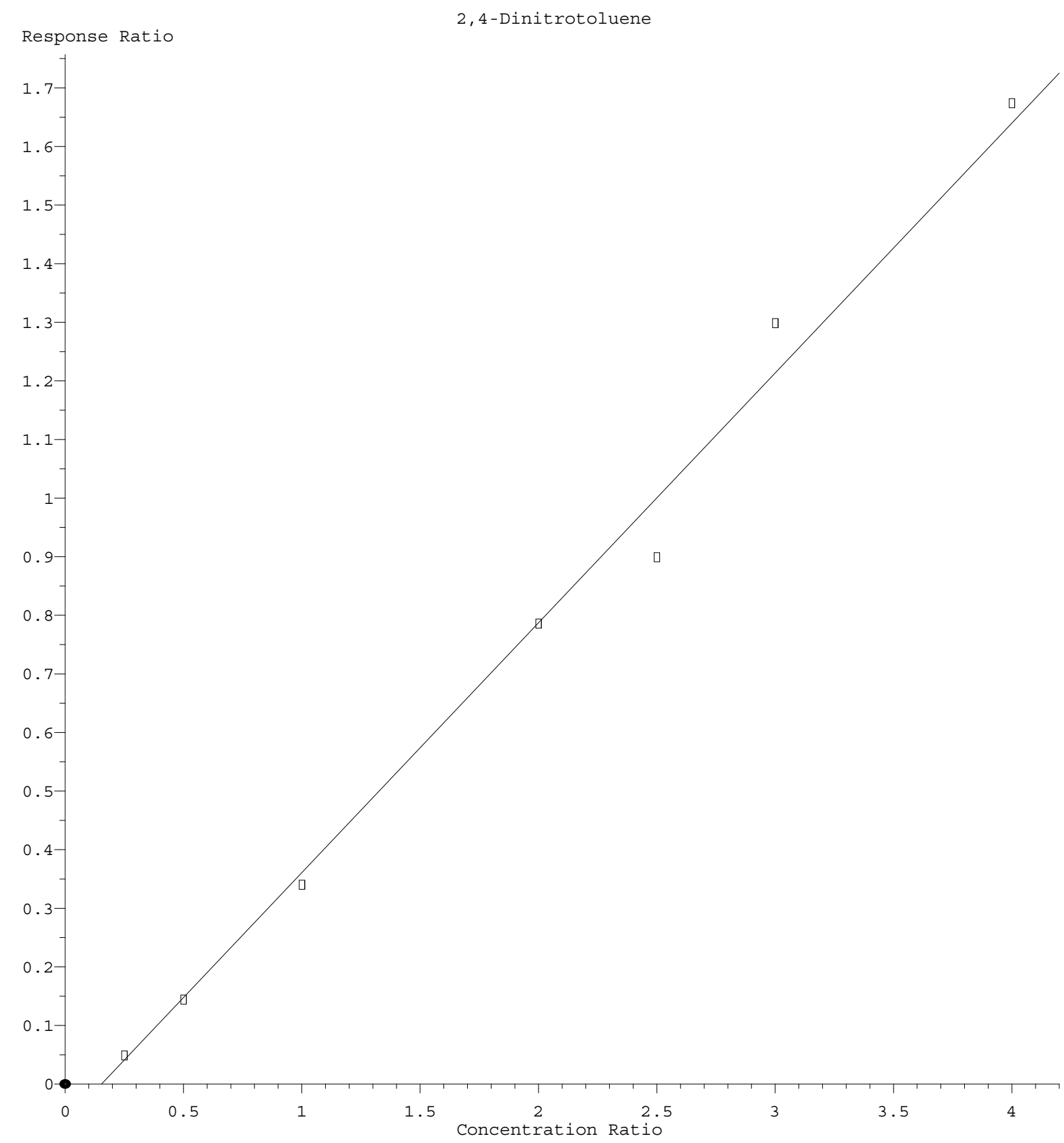


Response = 5.435e-001 * Amt - 9.231e-002
Coef of Det (r^2) = 0.993997 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025

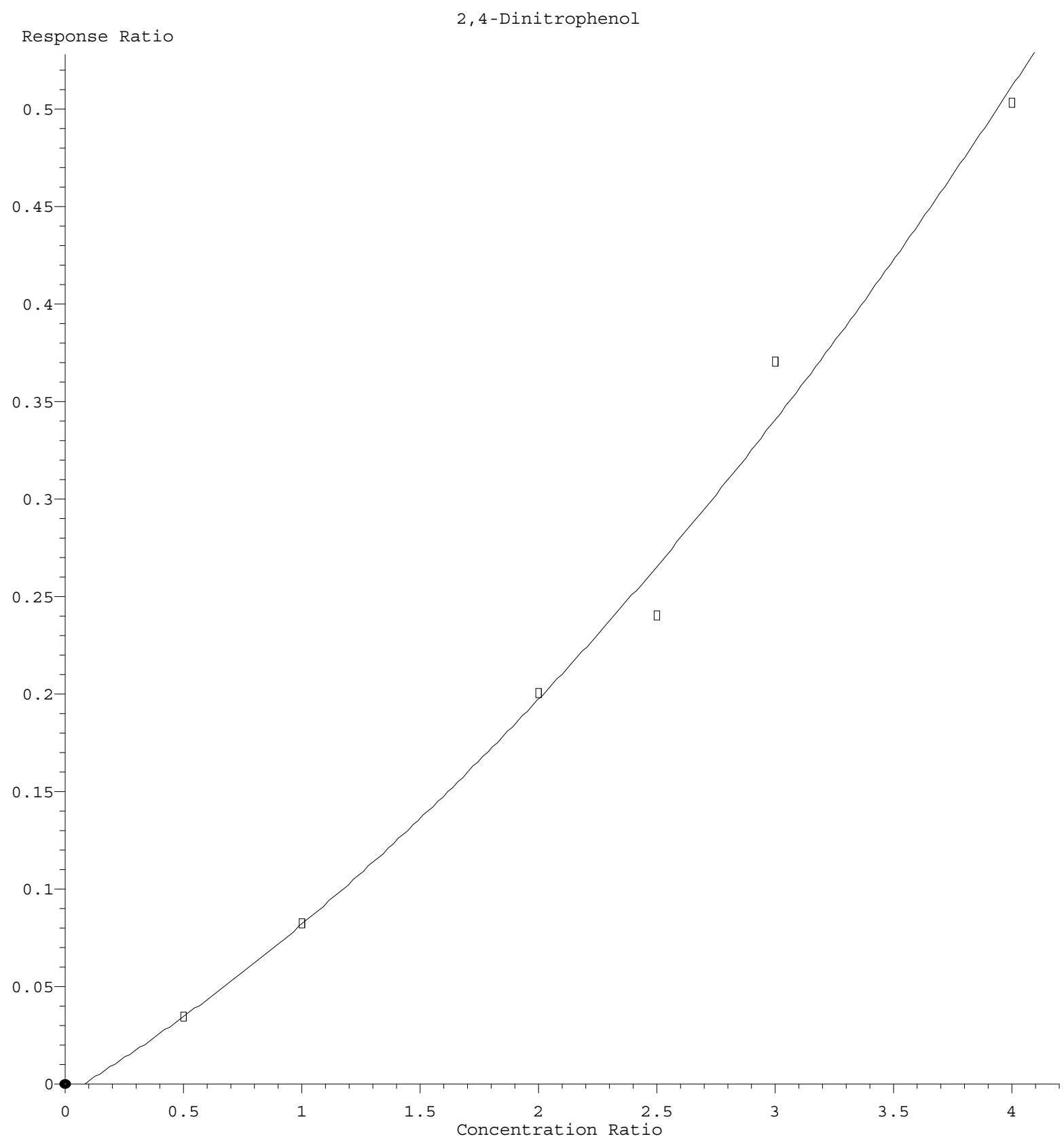
4,6-Dinitro-2-methylphenol



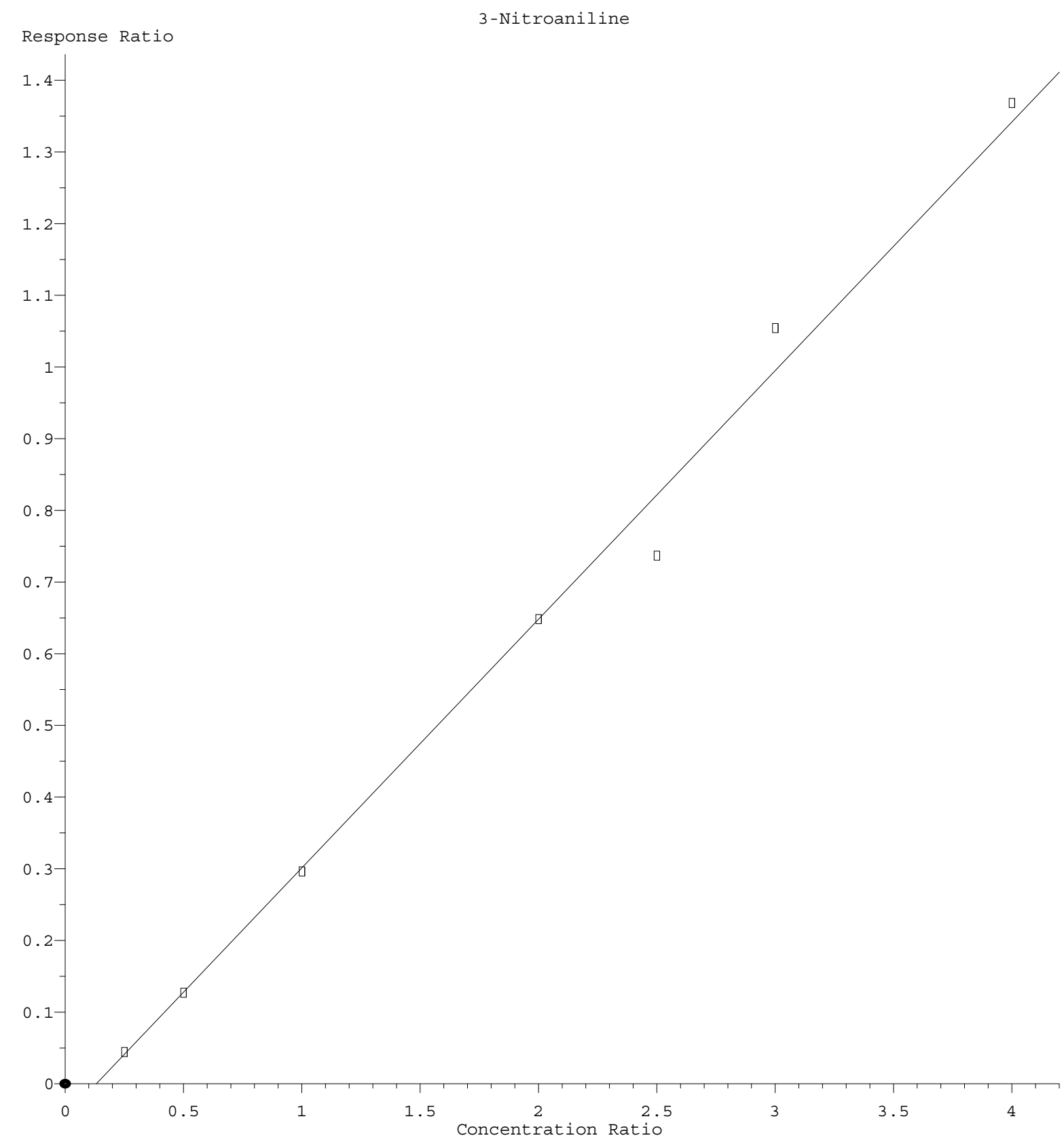
R = 9.755e-003 A*A + 5.999e-002 A - 6.001e-003
Coef of Det (r^2) = 0.992676 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



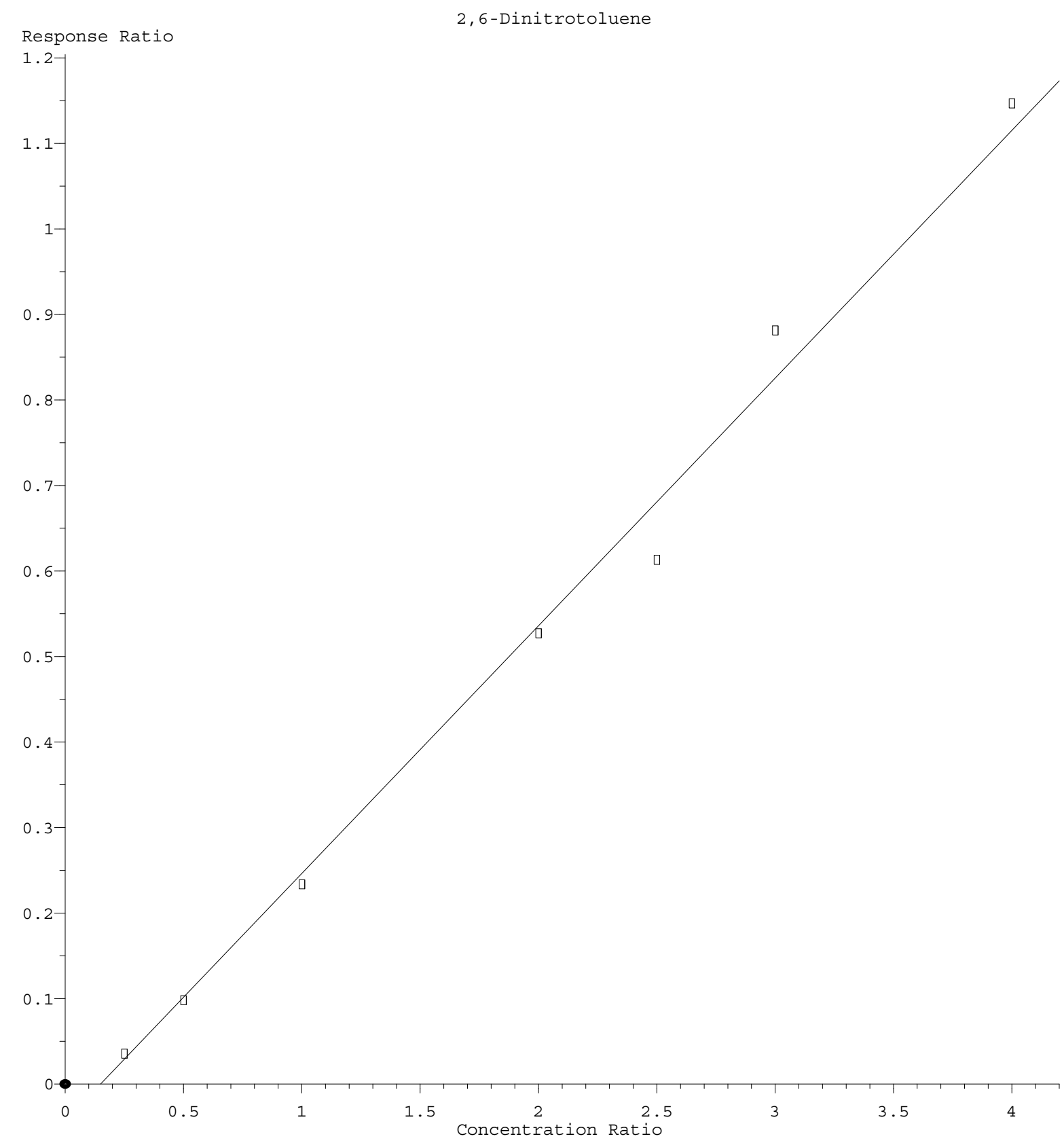
Response = 4.265e-001 * Amt - 6.582e-002
Coef of Det (r^2) = 0.994519 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



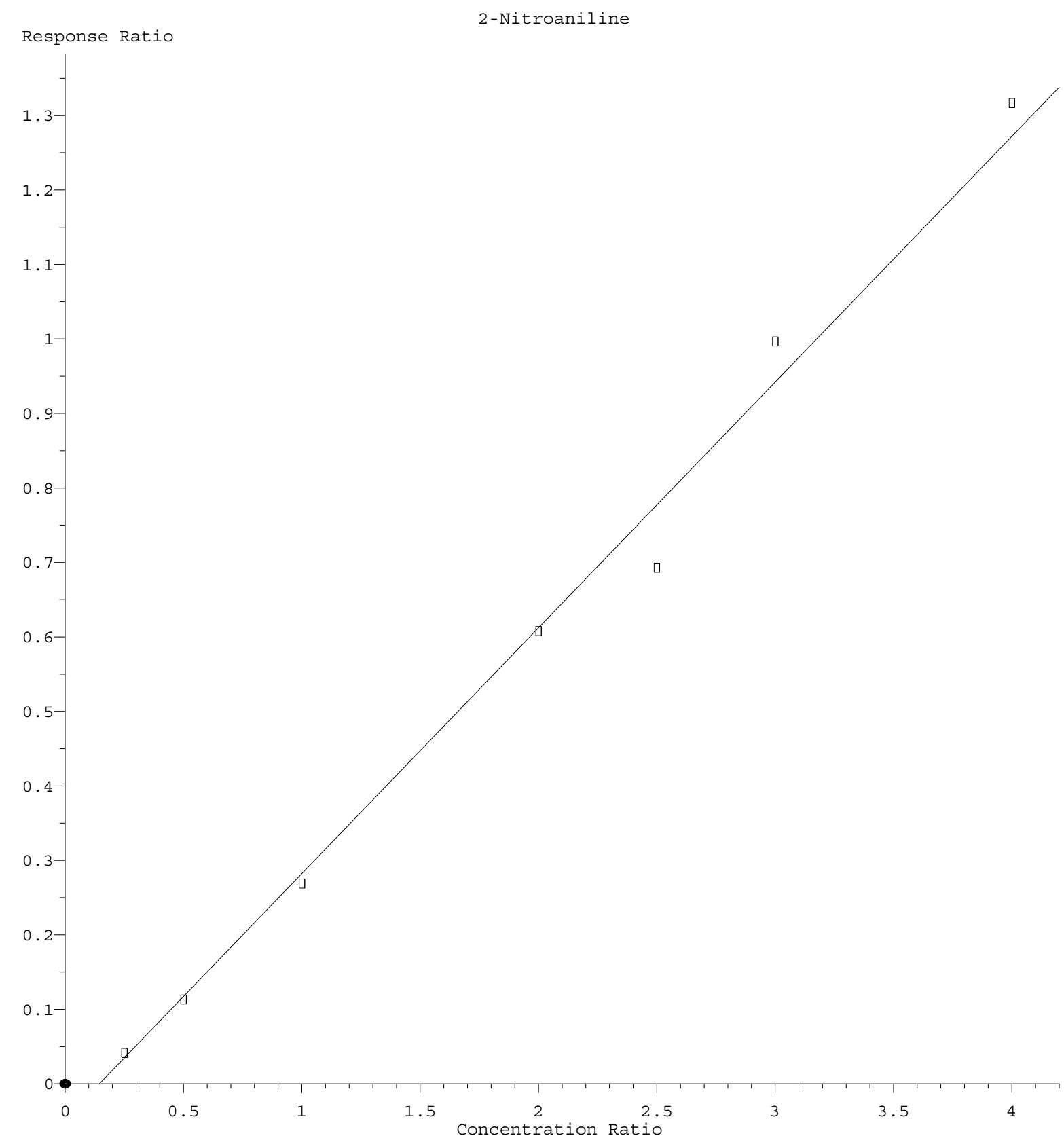
R = 1.384e-002 A*A + 7.400e-002 A - 5.971e-003
Coef of Det (r^2) = 0.992971 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



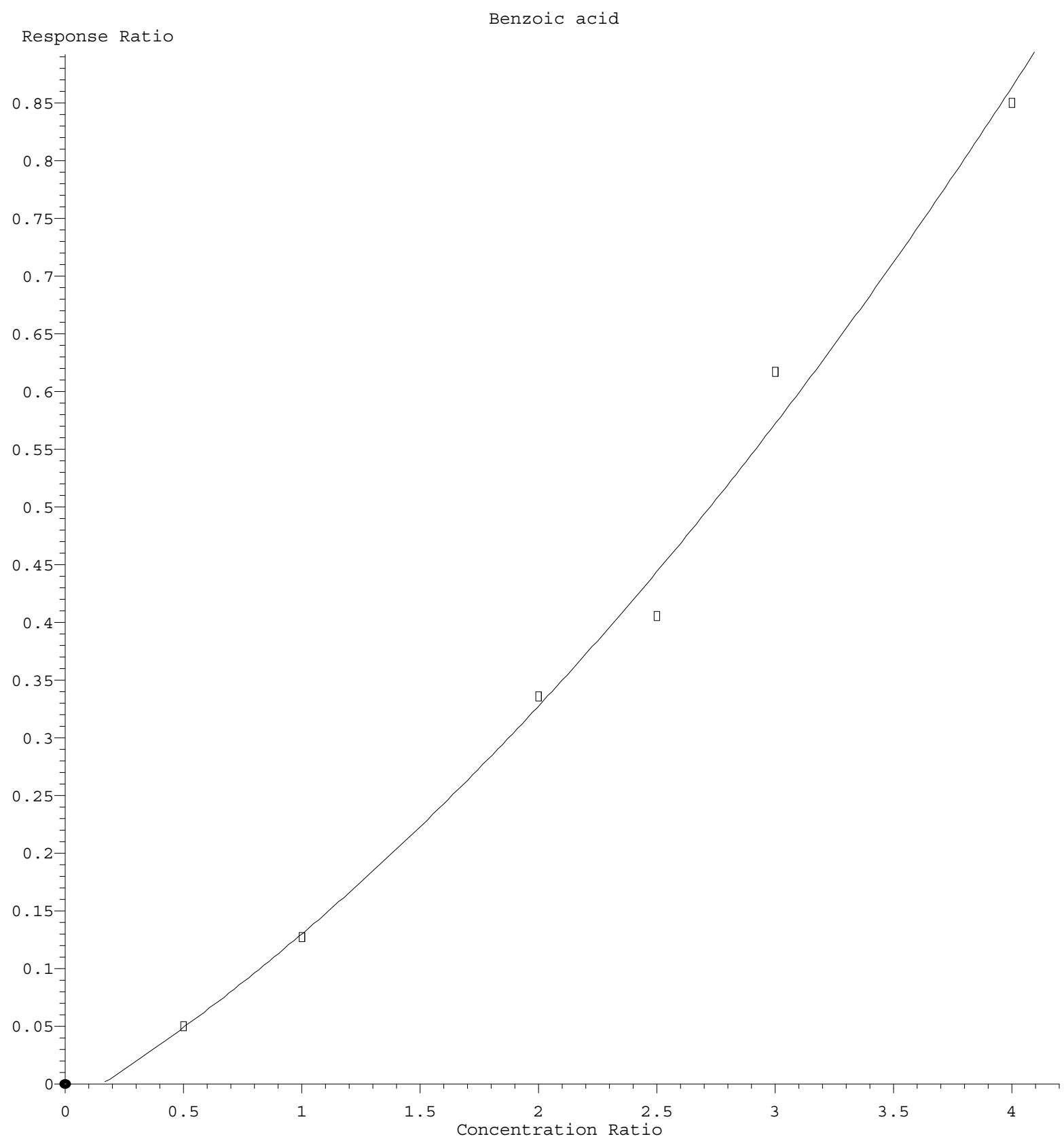
Response = 3.468e-001 * Amt - 4.573e-002
Coef of Det (r^2) = 0.995252 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



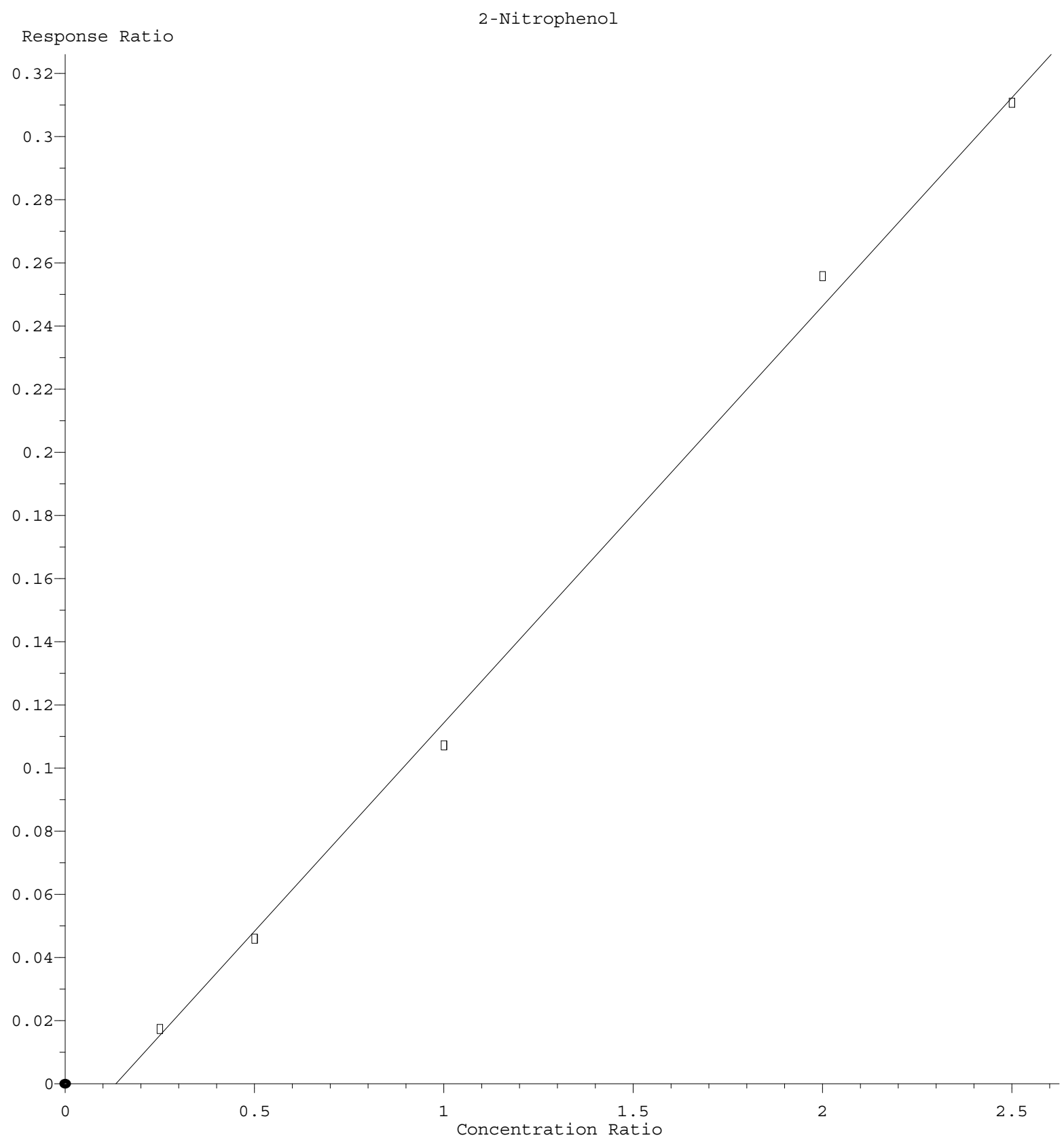
Response = 2.897e-001 * Amt - 4.332e-002
Coef of Det (r^2) = 0.994441 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



Response = 3.301e-001 * Amt - 4.802e-002
Coef of Det (r^2) = 0.994224 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP102925.M
Calibration Table Last Updated: Thu Oct 30 11:51:34 2025



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



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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.678	152	314539	20.000	ng	-0.01
21) Naphthalene-d8	10.454	136	1282158	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	817769	20.000	ng	0.00
64) Phenanthrene-d10	17.118	188	1645754	20.000	ng	0.00
76) Chrysene-d12	21.559	240	1828965	20.000	ng	0.00
86) Perylene-d12	24.871	264	1886321	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.472	70	31253	2.075	ng	96

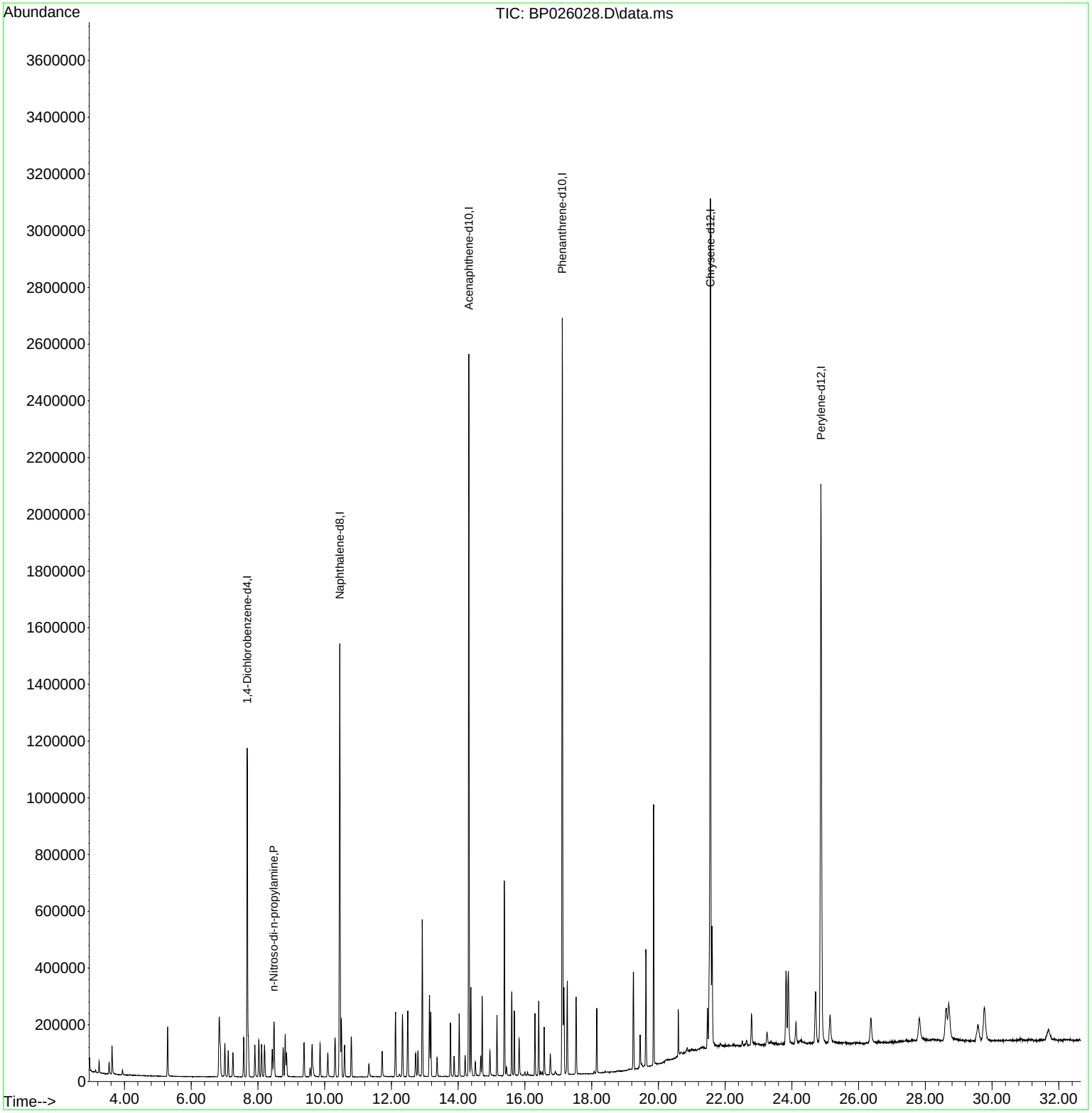
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	341461	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1420199	20.000	ng		0.00
39) Acenaphthene-d10	14.313	164	925892	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	1817309	20.000	ng		0.00
76) Chrysene-d12	21.572	240	2025692	20.000	ng		0.00
86) Perylene-d12	24.860	264	2104784	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	180174	8.707	ng		0.00
7) Phenol-d6	6.849	99	233297	8.858	ng		0.00
23) Nitrobenzene-d5	8.819	82	182124	7.994	ng		0.00
42) 2,4,6-Tribromophenol	15.837	330	71861	7.179	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	624927	9.698	ng		0.00
79) Terphenyl-d14	19.866	244	964860	9.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	40256	4.615	ng		98
3) Pyridine	3.626	79	113576	4.580	ng		99
6) Aniline	7.014	93	161620	4.598	ng		99
8) 2-Chlorophenol	7.255	128	95293	4.159	ng		95
10) Phenol	6.872	94	131630	4.502	ng		98
11) bis(2-Chloroethyl)ether	7.108	93	108520	4.703	ng		98
12) 1,3-Dichlorobenzene	7.578	146	125141	4.755	ng		98
13) 1,4-Dichlorobenzene	7.719	146	127251	4.783	ng		98
14) 1,2-Dichlorobenzene	8.025	146	120561	4.748	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	168852	4.841	ng		99
17) 2-Methylphenol	8.108	107	81751	4.270	ng		99
18) Hexachloroethane	8.749	117	41029	4.506	ng		98
19) n-Nitroso-di-n-propyla...	8.472	70	76340	4.669	ng		98
22) Acetophenone	8.484	105	170727	4.753	ng	#	98
24) Nitrobenzene	8.861	77	100098	4.161	ng		95
25) Isophorone	9.378	82	215193	4.413	ng		98
26) 2-Nitrophenol	9.566	139	24644	5.305	ng		98
27) 2,4-Dimethylphenol	9.625	122	86372	4.212	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	144278	4.695	ng		100
29) 2,4-Dichlorophenol	10.090	162	85429	3.946	ng		98
30) 1,2,4-Trichlorobenzene	10.313	180	108660	4.617	ng		98
31) Naphthalene	10.502	128	368922	4.764	ng		99
33) 4-Chloroaniline	10.602	127	132749	4.461	ng		98
34) Hexachlorobutadiene	10.796	225	70220	4.696	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	91199	4.018	ng		99
37) 2-Methylnaphthalene	12.113	142	254416	4.694	ng		99
38) 1-Methylnaphthalene	12.343	142	251883	4.783	ng		97
40) 1,2,4,5-Tetrachloroben...	12.484	216	132759	4.615	ng		99
43) 2,4,6-Trichlorophenol	12.731	196	59158	3.479	ng		99
44) 2,4,5-Trichlorophenol	12.796	196	71602	3.690	ng		97
46) 1,1'-Biphenyl	13.137	154	336536	4.747	ng		99
47) 2-Chloronaphthalene	13.178	162	261657	4.691	ng		97
48) 2-Nitroaniline	13.372	65	38315	5.289	ng		96
49) Acenaphthylene	14.031	152	358129	4.405	ng		100
50) Dimethylphthalate	13.772	163	296661	4.405	ng		100
51) 2,6-Dinitrotoluene	13.878	165	32784	5.334	ng		89

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

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

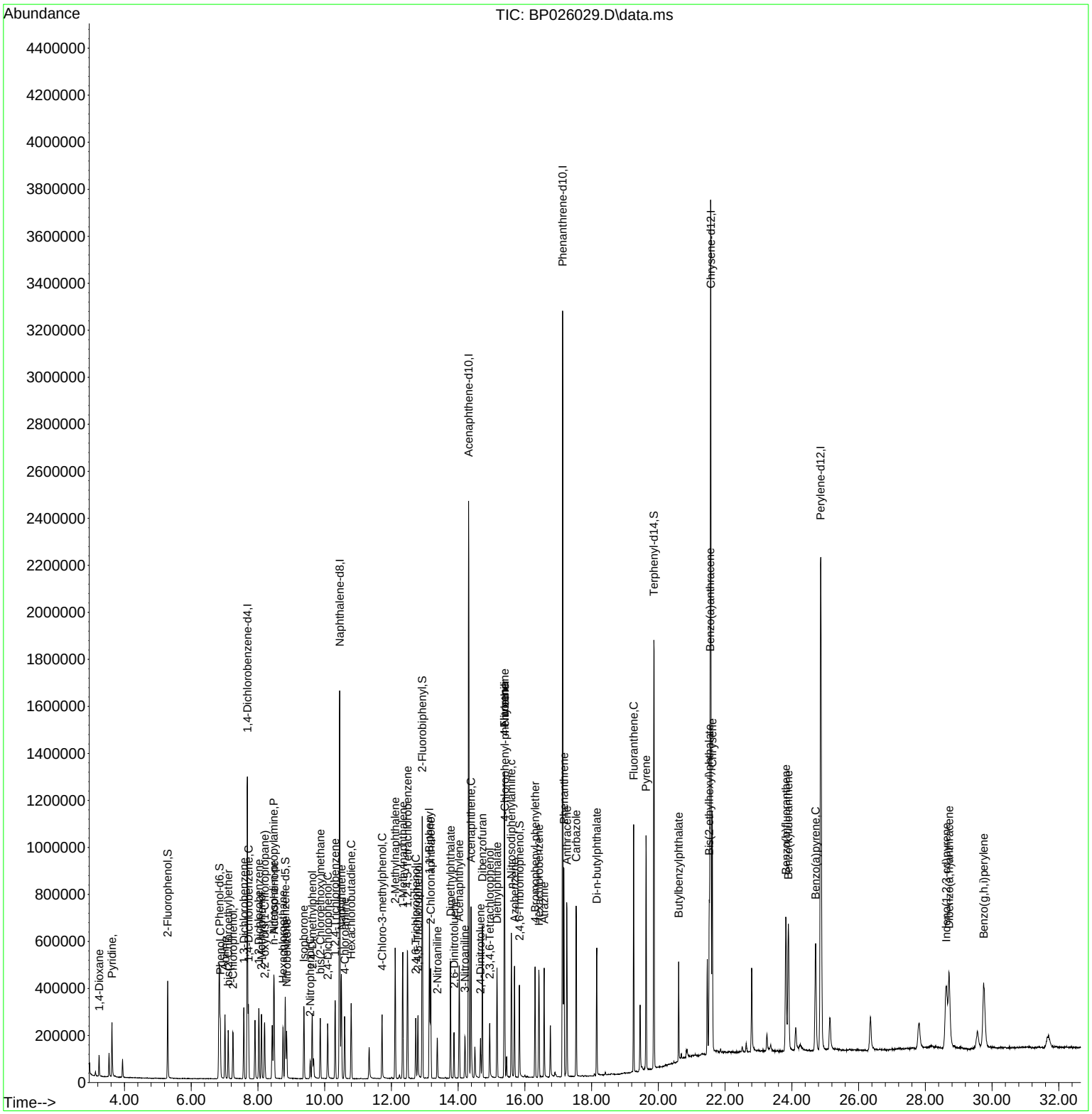
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	288854	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1158283	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	734566	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1497196	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1590140	20.000	ng		0.00
86) Perylene-d12	24.883	264	1674719	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	362577	20.712	ng		0.00
7) Phenol-d6	6.849	99	456392	20.484	ng		0.00
23) Nitrobenzene-d5	8.819	82	367535	19.781	ng		0.00
42) 2,4,6-Tribromophenol	15.831	330	154869	19.502	ng		0.00
45) 2-Fluorobiphenyl	12.925	172	1138070	22.262	ng		0.00
79) Terphenyl-d14	19.860	244	1788115	22.846	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	81890	11.097	ng		98
3) Pyridine	3.625	79	222154	10.590	ng		98
4) n-Nitrosodimethylamine	3.537	42	86859	10.330	ng	#	96
6) Aniline	7.013	93	311508	10.476	ng		99
8) 2-Chlorophenol	7.249	128	195513	10.086	ng		99
9) Benzaldehyde	6.831	77	123534m	10.666	ng		
10) Phenol	6.878	94	255762	10.340	ng		99
11) bis(2-Chloroethyl)ether	7.114	93	207158	10.612	ng		98
12) 1,3-Dichlorobenzene	7.578	146	239783	10.771	ng		99
13) 1,4-Dichlorobenzene	7.719	146	242788	10.787	ng		99
14) 1,2-Dichlorobenzene	8.031	146	230430	10.729	ng		100
15) Benzyl Alcohol	7.908	79	154491	9.618	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	319172	10.818	ng		99
17) 2-Methylphenol	8.113	107	163076	10.068	ng		99
18) Hexachloroethane	8.755	117	81158	10.537	ng		96
19) n-Nitroso-di-n-propyla...	8.472	70	146354	10.582	ng		99
20) 3+4-Methylphenols	8.431	107	219610	9.746	ng		99
22) Acetophenone	8.490	105	317614	10.842	ng	#	98
24) Nitrobenzene	8.860	77	200078	10.199	ng		98
25) Isophorone	9.378	82	417831	10.506	ng		98
26) 2-Nitrophenol	9.566	139	53200	9.634	ng		96
27) 2,4-Dimethylphenol	9.625	122	177027	10.585	ng		98
28) bis(2-Chloroethoxy)met...	9.866	93	269975	10.772	ng		99
29) 2,4-Dichlorophenol	10.096	162	175015	9.911	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	209064	10.893	ng		97
31) Naphthalene	10.502	128	684226	10.833	ng		99
32) Benzoic acid	9.684	122	58000	10.150	ng		90
33) 4-Chloroaniline	10.596	127	255029	10.507	ng		100
34) Hexachlorobutadiene	10.796	225	133883	10.977	ng		99
35) Caprolactam	11.331	113	57604	9.290	ng		99
36) 4-Chloro-3-methylphenol	11.719	107	181561	9.808	ng		99
37) 2-Methylnaphthalene	12.113	142	476697	10.783	ng		99
38) 1-Methylnaphthalene	12.331	142	463905	10.801	ng		99
40) 1,2,4,5-Tetrachloroben...	12.484	216	245958	10.776	ng		100
41) Hexachlorocyclopentadiene	12.472	237	73538	8.806	ng		95
43) 2,4,6-Trichlorophenol	12.719	196	125693	9.317	ng		99

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

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

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

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

ICAL Form

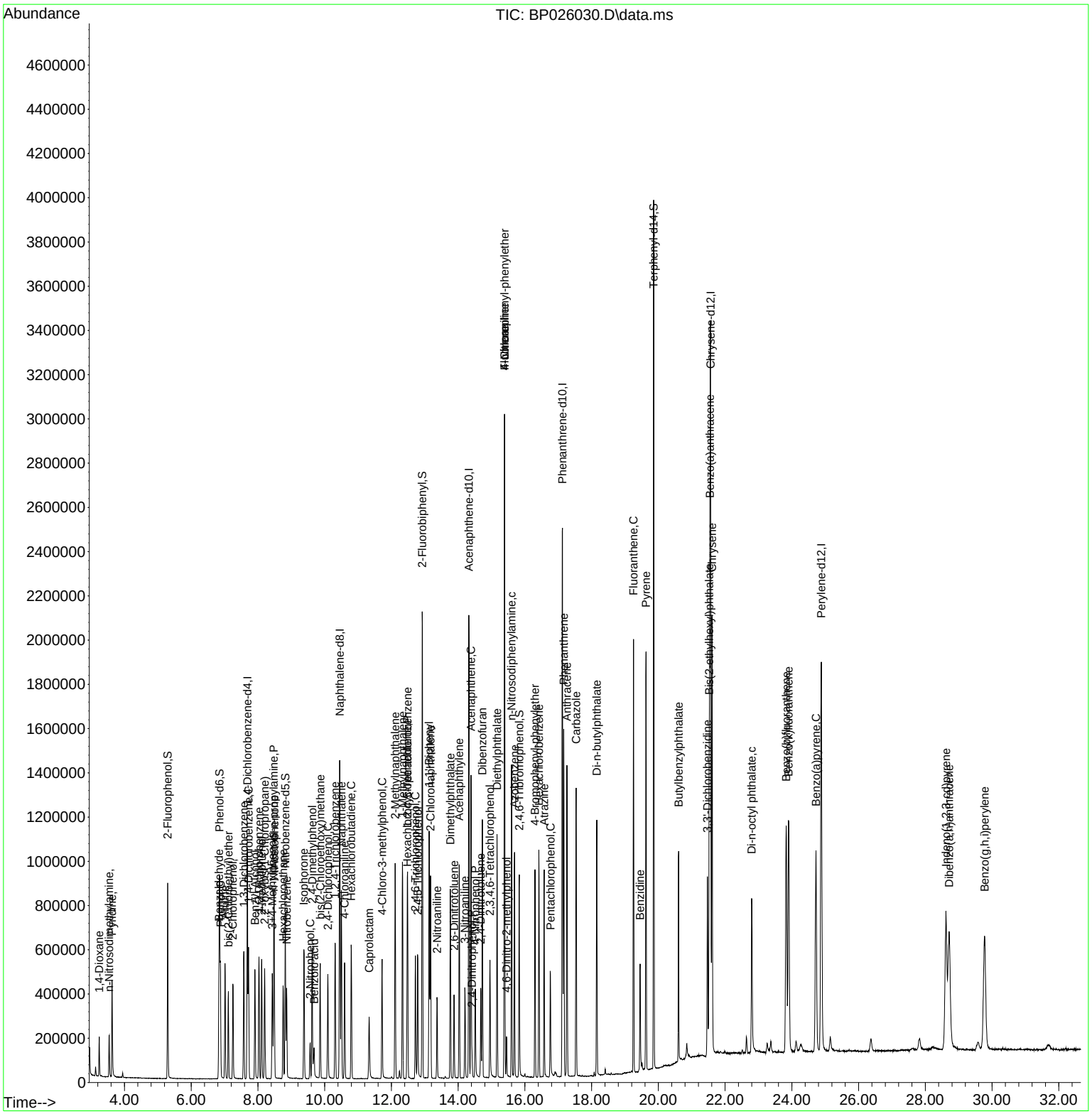
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026030.D
Acq On : 29 Oct 2025 10:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	347170	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1426046	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	884189	20.000	ng	0.00
64) Phenanthrene-d10	17.119	188	1764983	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1935916	20.000	ng	0.01
86) Perylene-d12	24.889	264	2082873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	856596	40.714	ng	0.00
7) Phenol-d6	6.849	99	1092661	40.803	ng	0.00
23) Nitrobenzene-d5	8.819	82	931308	40.712	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	385788	40.359	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	2570497	41.774	ng	-0.01
79) Terphenyl-d14	19.860	244	3920732	41.147	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	180212	20.318	ng	100
3) Pyridine	3.625	79	516467	20.483	ng	99
4) n-Nitrosodimethylamine	3.537	42	205014	20.287	ng	99
6) Aniline	7.013	93	735067	20.567	ng	100
8) 2-Chlorophenol	7.255	128	470651	20.201	ng	97
9) Benzaldehyde	6.831	77	325513m	23.383	ng	
10) Phenol	6.878	94	607568	20.436	ng	99
11) bis(2-Chloroethyl)ether	7.113	93	476458	20.308	ng	99
12) 1,3-Dichlorobenzene	7.578	146	545717	20.396	ng	100
13) 1,4-Dichlorobenzene	7.719	146	550164	20.337	ng	100
14) 1,2-Dichlorobenzene	8.031	146	526607	20.400	ng	98
15) Benzyl Alcohol	7.913	79	381569	19.765	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	729715	20.579	ng	100
17) 2-Methylphenol	8.113	107	397383	20.413	ng	99
18) Hexachloroethane	8.760	117	185631	20.053	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	352850	21.226	ng	99
20) 3+4-Methylphenols	8.437	107	540688	19.965	ng	99
22) Acetophenone	8.484	105	739513	20.505	ng	99
24) Nitrobenzene	8.860	77	492888	20.407	ng	98
25) Isophorone	9.378	82	1005233	20.531	ng	99
26) 2-Nitrophenol	9.566	139	152813	18.908	ng	99
27) 2,4-Dimethylphenol	9.625	122	401111	19.481	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	622000	20.157	ng	99
29) 2,4-Dichlorophenol	10.090	162	438904	20.189	ng	99
30) 1,2,4-Trichlorobenzene	10.313	180	480041	20.315	ng	98
31) Naphthalene	10.496	128	1598863	20.560	ng	100
32) Benzoic acid	9.713	122	181442	19.682	ng	97
33) 4-Chloroaniline	10.596	127	609114	20.383	ng	99
34) Hexachlorobutadiene	10.796	225	298535	19.881	ng	98
35) Caprolactam	11.343	113	146841	19.234	ng	97
36) 4-Chloro-3-methylphenol	11.719	107	464170	20.367	ng	99
37) 2-Methylnaphthalene	12.107	142	1100141	20.213	ng	99
38) 1-Methylnaphthalene	12.331	142	1075202	20.334	ng	98
40) 1,2,4,5-Tetrachloroben...	12.484	216	562803	20.486	ng	100
41) Hexachlorocyclopentadiene	12.472	237	175347	17.444	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	328962	20.258	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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

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

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

ICAL Form

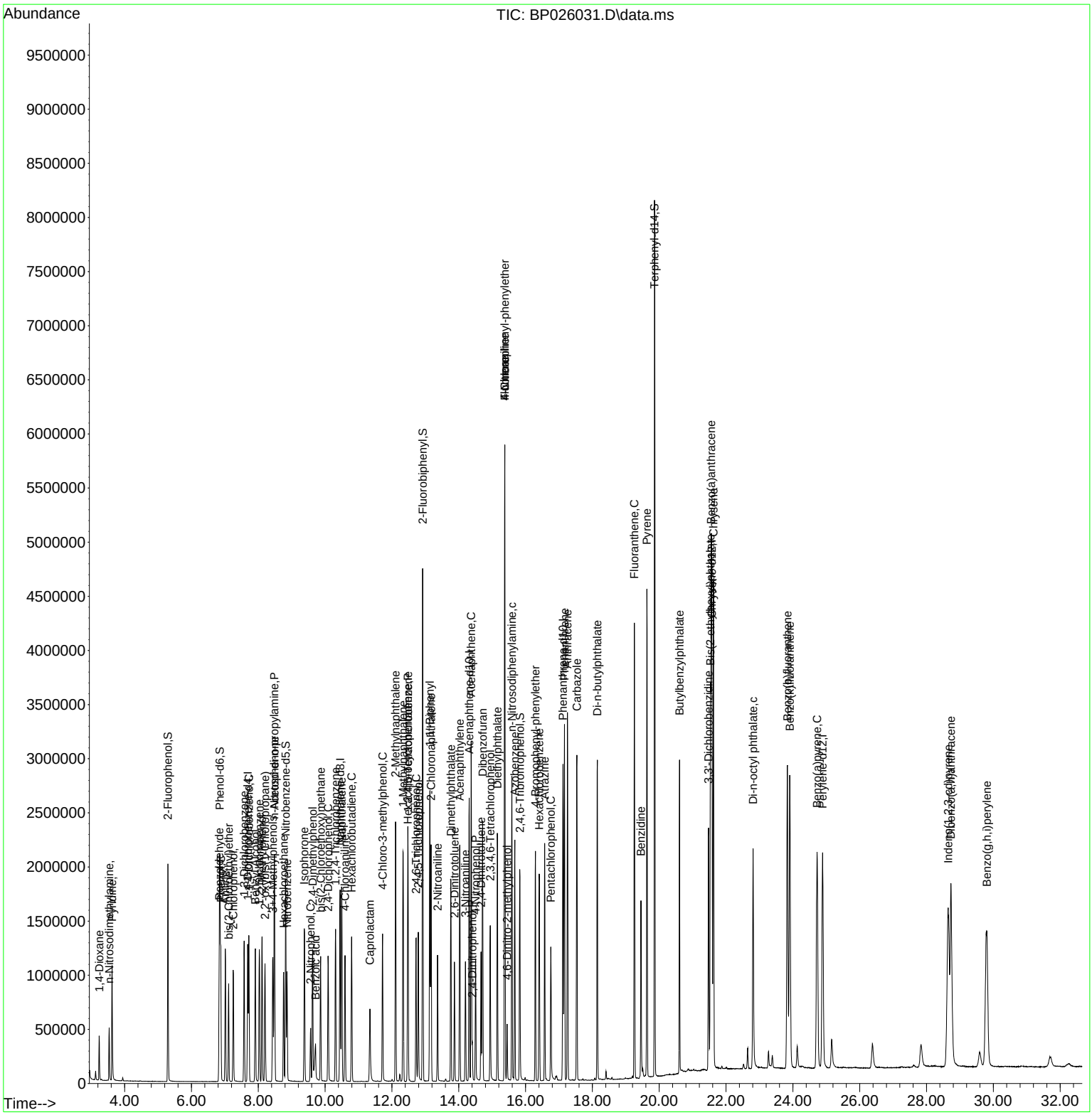
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026031.D
Acq On : 29 Oct 2025 11:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	293060	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1204929	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	764236	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1555861	20.000	ng	0.00
76) Chrysene-d12	21.577	240	1646604	20.000	ng	0.01
86) Perylene-d12	24.889	264	1760712	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	1464250	82.445	ng	0.00
7) Phenol-d6	6.855	99	1882712	83.286	ng	0.00
23) Nitrobenzene-d5	8.825	82	1630132	84.339	ng	0.00
42) 2,4,6-Tribromophenol	15.831	330	722838	87.488	ng	0.00
45) 2-Fluorobiphenyl	12.919	172	4342634	81.651	ng	-0.01
79) Terphenyl-d14	19.866	244	6676375	82.377	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.243	88	302066	40.344	ng	100
3) Pyridine	3.625	79	867862	40.775	ng	100
4) n-Nitrosodimethylamine	3.537	42	342452	40.144	ng	100
6) Aniline	7.019	93	1237729	41.026	ng	100
8) 2-Chlorophenol	7.255	128	822579	41.826	ng	100
9) Benzaldehyde	6.831	77	474239	40.357	ng	100
10) Phenol	6.884	94	1039468	41.420	ng	100
11) bis(2-Chloroethyl)ether	7.119	93	804729	40.632	ng	100
12) 1,3-Dichlorobenzene	7.578	146	921791	40.813	ng	100
13) 1,4-Dichlorobenzene	7.719	146	925177	40.514	ng	100
14) 1,2-Dichlorobenzene	8.031	146	888039	40.753	ng	100
15) Benzyl Alcohol	7.913	79	668211	41.003	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1230074	41.095	ng	100
17) 2-Methylphenol	8.113	107	688795	41.915	ng	100
18) Hexachloroethane	8.760	117	323386	41.385	ng	100
19) n-Nitroso-di-n-propyla...	8.478	70	601712	42.881	ng	100
20) 3+4-Methylphenols	8.437	107	945490	41.358	ng	100
22) Acetophenone	8.490	105	1247543	40.939	ng	100
24) Nitrobenzene	8.866	77	859810	42.132	ng	100
25) Isophorone	9.390	82	1734781	41.932	ng	100
26) 2-Nitrophenol	9.566	139	308209	41.419	ng	100
27) 2,4-Dimethylphenol	9.631	122	728530	41.876	ng	100
28) bis(2-Chloroethoxy)met...	9.866	93	1076336	41.282	ng	100
29) 2,4-Dichlorophenol	10.101	162	788938	42.949	ng	100
30) 1,2,4-Trichlorobenzene	10.319	180	817950	40.968	ng	100
31) Naphthalene	10.501	128	2686976	40.893	ng	100
32) Benzoic acid	9.743	122	404584	40.754	ng	100
33) 4-Chloroaniline	10.601	127	1052918	41.701	ng	100
34) Hexachlorobutadiene	10.801	225	520749	41.043	ng	100
35) Caprolactam	11.360	113	271877	42.147	ng	100
36) 4-Chloro-3-methylphenol	11.731	107	831835	43.198	ng	100
37) 2-Methylnaphthalene	12.119	142	1916037	41.663	ng	100
38) 1-Methylnaphthalene	12.337	142	1850373	41.416	ng	100
40) 1,2,4,5-Tetrachloroben...	12.484	216	966620	40.707	ng	100
41) Hexachlorocyclopentadiene	12.478	237	361557	41.615	ng	100
43) 2,4,6-Trichlorophenol	12.725	196	614032	43.748	ng	100

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

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

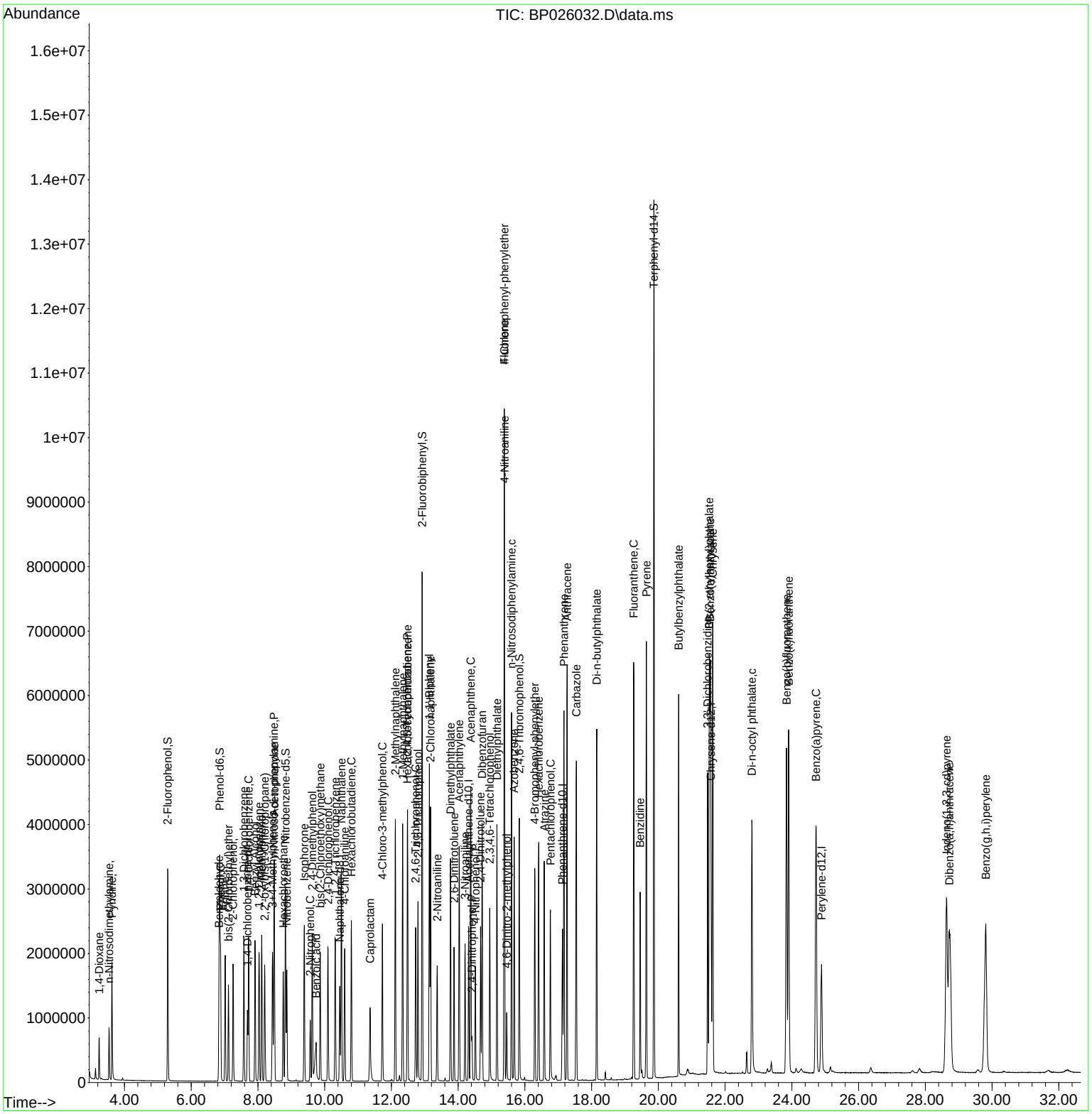
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.690	152	349214	20.000	ng		0.00
21) Naphthalene-d8	10.449	136	1438966	20.000	ng		0.00
39) Acenaphthene-d10	14.325	164	904273	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1803155	20.000	ng		0.00
76) Chrysene-d12	21.566	240	1902632	20.000	ng		0.00
86) Perylene-d12	24.883	264	2091380	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	1961372	92.678	ng		0.00
7) Phenol-d6	6.855	99	2487382	92.341	ng		0.00
23) Nitrobenzene-d5	8.825	82	2201797	95.388	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	946601	96.828	ng		0.00
45) 2-Fluorobiphenyl	12.937	172	5564834	88.427	ng		0.00
79) Terphenyl-d14	19.866	244	8183730	87.388	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	395783	44.361	ng		99
3) Pyridine	3.625	79	1138611	44.894	ng		100
4) n-Nitrosodimethylamine	3.537	42	455456	44.806	ng		99
6) Aniline	7.019	93	1645368	45.768	ng		99
8) 2-Chlorophenol	7.255	128	1102018	47.024	ng		99
9) Benzaldehyde	6.837	77	584865	41.768	ng		98
10) Phenol	6.884	94	1369223	45.786	ng		99
11) bis(2-Chloroethyl)ether	7.119	93	1072428	45.441	ng		100
12) 1,3-Dichlorobenzene	7.578	146	1208921	44.919	ng		100
13) 1,4-Dichlorobenzene	7.719	146	1221221	44.879	ng		100
14) 1,2-Dichlorobenzene	8.037	146	1168413	44.998	ng		99
15) Benzyl Alcohol	7.919	79	890562	45.860	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1611516	45.181	ng		100
17) 2-Methylphenol	8.113	107	922978	47.134	ng		99
18) Hexachloroethane	8.755	117	427757	45.939	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	789416	47.211	ng		98
20) 3+4-Methylphenols	8.437	107	1248064	45.814	ng		99
22) Acetophenone	8.496	105	1638579	45.025	ng	#	98
24) Nitrobenzene	8.866	77	1139668	46.762	ng		100
25) Isophorone	9.390	82	2274125	46.029	ng		99
26) 2-Nitrophenol	9.572	139	447065	49.734	ng		97
27) 2,4-Dimethylphenol	9.631	122	966770	46.532	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1423542	45.719	ng		99
29) 2,4-Dichlorophenol	10.096	162	1050277	47.877	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	1082702	45.408	ng		98
31) Naphthalene	10.501	128	3517083	44.821	ng		99
32) Benzoic acid	9.760	122	583423	46.816	ng		98
33) 4-Chloroaniline	10.607	127	1380084	45.768	ng		99
34) Hexachlorobutadiene	10.801	225	683383	45.101	ng		99
35) Caprolactam	11.372	113	356316	46.253	ng		95
36) 4-Chloro-3-methylphenol	11.725	107	1091555	47.466	ng		99
37) 2-Methylnaphthalene	12.113	142	2496690	45.460	ng		99
38) 1-Methylnaphthalene	12.343	142	2384802	44.696	ng		98
40) 1,2,4,5-Tetrachloroben...	12.490	216	1276225	45.422	ng		99
41) Hexachlorocyclopentadiene	12.478	237	492338	47.892	ng		97
43) 2,4,6-Trichlorophenol	12.725	196	814315	49.033	ng		100

ICAL Form

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

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

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

ICAL Form

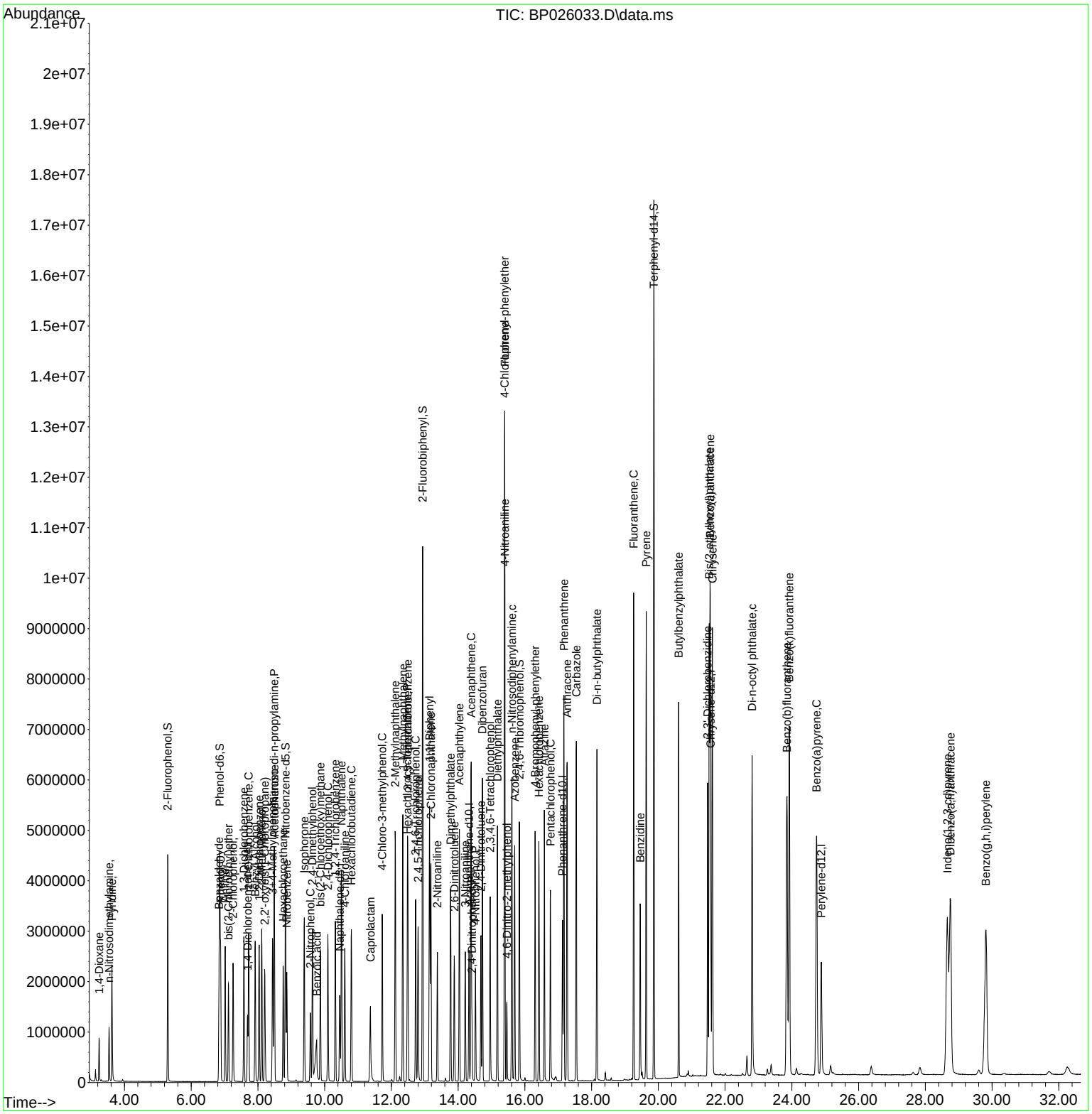
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026033.D
Acq On : 29 Oct 2025 12:51
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	294204	20.000	ng		0.00
21) Naphthalene-d8	10.448	136	1188234	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	740246	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1468570	20.000	ng		0.00
76) Chrysene-d12	21.583	240	1519622	20.000	ng		0.02
86) Perylene-d12	24.895	264	1658930	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	2326169	130.467	ng		0.00
7) Phenol-d6	6.855	99	2901394	127.851	ng		0.00
23) Nitrobenzene-d5	8.825	82	2556249	134.112	ng		0.00
42) 2,4,6-Tribromophenol	15.842	330	1109676	138.661	ng		0.01
45) 2-Fluorobiphenyl	12.931	172	6359685	123.451	ng		0.00
79) Terphenyl-d14	19.871	244	9289969	124.204	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.243	88	477216	63.490	ng		99
3) Pyridine	3.625	79	1369619	64.099	ng		99
4) n-Nitrosodimethylamine	3.543	42	538920	62.930	ng		96
6) Aniline	7.019	93	1904638	62.886	ng		99
8) 2-Chlorophenol	7.255	128	1304563	66.075	ng		99
9) Benzaldehyde	6.831	77	702436	59.544	ng		99
10) Phenol	6.884	94	1609307	63.877	ng		99
11) bis(2-Chloroethyl)ether	7.113	93	1252563	62.998	ng		99
12) 1,3-Dichlorobenzene	7.578	146	1421445	62.690	ng		99
13) 1,4-Dichlorobenzene	7.719	146	1441195	62.866	ng		99
14) 1,2-Dichlorobenzene	8.031	146	1368134	62.542	ng		98
15) Benzyl Alcohol	7.913	79	1040602	63.606	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.202	45	1838598	61.185	ng		99
17) 2-Methylphenol	8.113	107	1068062	64.741	ng		99
18) Hexachloroethane	8.754	117	501286	63.902	ng		98
19) n-Nitroso-di-n-propyla...	8.484	70	904719	64.223	ng		97
20) 3+4-Methylphenols	8.437	107	1452480	63.287	ng		99
22) Acetophenone	8.490	105	1872894	62.324	ng	#	99
24) Nitrobenzene	8.866	77	1321111	65.646	ng		99
25) Isophorone	9.384	82	2601391	63.763	ng		99
27) 2,4-Dimethylphenol	9.625	122	1124076	65.520	ng		98
28) bis(2-Chloroethoxy)met...	9.872	93	1608539	62.561	ng		99
29) 2,4-Dichlorophenol	10.096	162	1213575	66.994	ng		100
30) 1,2,4-Trichlorobenzene	10.313	180	1238545	62.905	ng		98
31) Naphthalene	10.501	128	4053338	62.555	ng		100
32) Benzoic acid	9.766	122	733177	63.317	ng		97
33) 4-Chloroaniline	10.601	127	1586613	63.721	ng		99
34) Hexachlorobutadiene	10.790	225	792964	63.376	ng		99
35) Caprolactam	11.372	113	414253	65.121	ng		93
36) 4-Chloro-3-methylphenol	11.725	107	1268077	66.778	ng		100
37) 2-Methylnaphthalene	12.113	142	2826130	62.316	ng		100
38) 1-Methylnaphthalene	12.337	142	2744994	62.303	ng		99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1452519	63.152	ng		100
41) Hexachlorocyclopentadiene	12.478	237	577139	68.581	ng		97
43) 2,4,6-Trichlorophenol	12.731	196	947367	69.685	ng		99
44) 2,4,5-Trichlorophenol	12.795	196	1042039	67.173	ng		97

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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

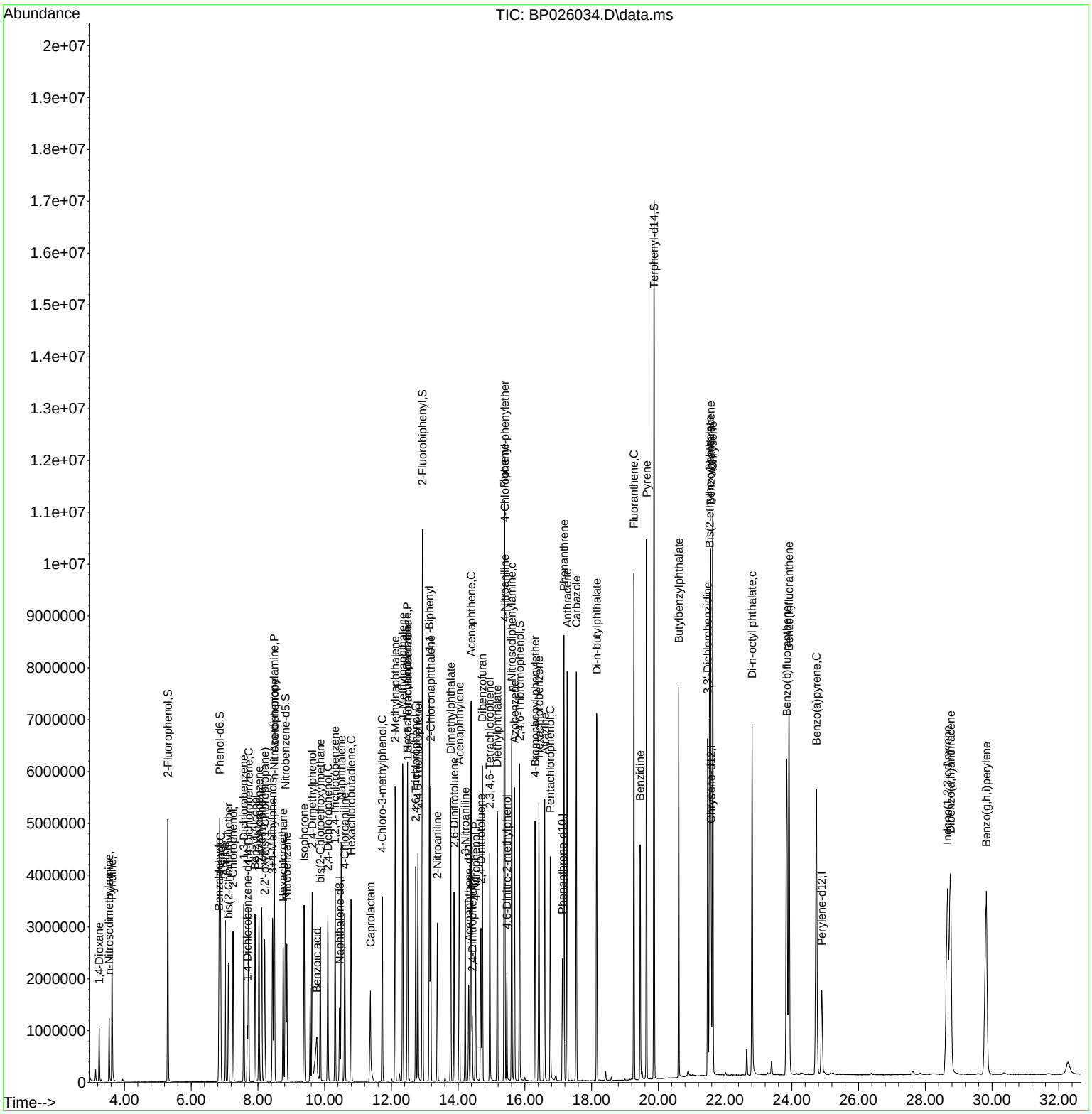
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.137	154	3519299	62.090	ng	100
47) 2-Chloronaphthalene	13.178	162	2781932	62.380	ng	98
48) 2-Nitroaniline	13.378	65	737734	64.505	ng	98
49) Acenaphthylene	14.037	152	4167114	64.110	ng	100
50) Dimethylphthalate	13.778	163	3449991	64.073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

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.690	152	285372	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1176810	20.000	ng	0.00
39) Acenaphthene-d10	14.319	164	727864	20.000	ng	0.00
64) Phenanthrene-d10	17.124	188	1454350	20.000	ng	0.00
76) Chrysene-d12	21.565	240	1518010	20.000	ng	0.00
86) Perylene-d12	24.883	264	1693006	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.296	112	2853584	165.001	ng	0.00
7) Phenol-d6	6.854	99	3663018	166.407	ng	0.00
23) Nitrobenzene-d5	8.825	82	3225718	170.878	ng	0.00
42) 2,4,6-Tribromophenol	15.830	330	1360572	172.904	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	7610514	150.244	ng	0.00
79) Terphenyl-d14	19.865	244	11030199	147.627	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	581796	79.799	ng	98
3) Pyridine	3.619	79	1683455	81.225	ng	99
4) n-Nitrosodimethylamine	3.537	42	667192	80.319	ng	95
6) Aniline	7.019	93	2386368	81.230	ng	99
8) 2-Chlorophenol	7.254	128	1627396	84.977	ng	98
9) Benzaldehyde	6.831	77	848919	74.188	ng	99
10) Phenol	6.884	94	2009800	82.242	ng	99
11) bis(2-Chloroethyl)ether	7.119	93	1555565	80.659	ng	99
12) 1,3-Dichlorobenzene	7.578	146	1739151	79.076	ng	99
13) 1,4-Dichlorobenzene	7.725	146	1760668	79.178	ng	100
14) 1,2-Dichlorobenzene	8.031	146	1691085	79.697	ng	100
15) Benzyl Alcohol	7.913	79	1329833	83.801	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.201	45	2262252	77.614	ng	99
17) 2-Methylphenol	8.113	107	1342933	83.922	ng	99
18) Hexachloroethane	8.760	117	623268	81.910	ng	99
19) n-Nitroso-di-n-propyla...	8.490	70	1125887	82.397	ng	97
20) 3+4-Methylphenols	8.443	107	1820304	81.769	ng	99
22) Acetophenone	8.495	105	2326587	78.173	ng	99
24) Nitrobenzene	8.866	77	1665956	83.585	ng	99
25) Isophorone	9.390	82	3260235	80.688	ng	100
27) 2,4-Dimethylphenol	9.631	122	1434677	84.436	ng	99
28) bis(2-Chloroethoxy)met...	9.866	93	2010418	78.950	ng	99
29) 2,4-Dichlorophenol	10.095	162	1524906	84.998	ng	99
30) 1,2,4-Trichlorobenzene	10.319	180	1545459	79.255	ng	99
31) Naphthalene	10.501	128	5003853	77.974	ng	99
32) Benzoic acid	9.778	122	1000336	79.140	ng	97
33) 4-Chloroaniline	10.595	127	2008519	81.448	ng	99
34) Hexachlorobutadiene	10.795	225	976216	78.780	ng	99
35) Caprolactam	11.384	113	526808	83.619	ng	94
36) 4-Chloro-3-methylphenol	11.731	107	1587177	84.393	ng	99
37) 2-Methylnaphthalene	12.113	142	3532026	78.637	ng	99
38) 1-Methylnaphthalene	12.336	142	3416923	78.306	ng	99
40) 1,2,4,5-Tetrachloroben...	12.489	216	1802921	79.720	ng	100
41) Hexachlorocyclopentadiene	12.478	237	732085	88.474	ng	96
43) 2,4,6-Trichlorophenol	12.725	196	1201855	89.908	ng	100
44) 2,4,5-Trichlorophenol	12.795	196	1327296	87.017	ng	98

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

Manual Integrations APPROVED

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

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

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

ICAL Form

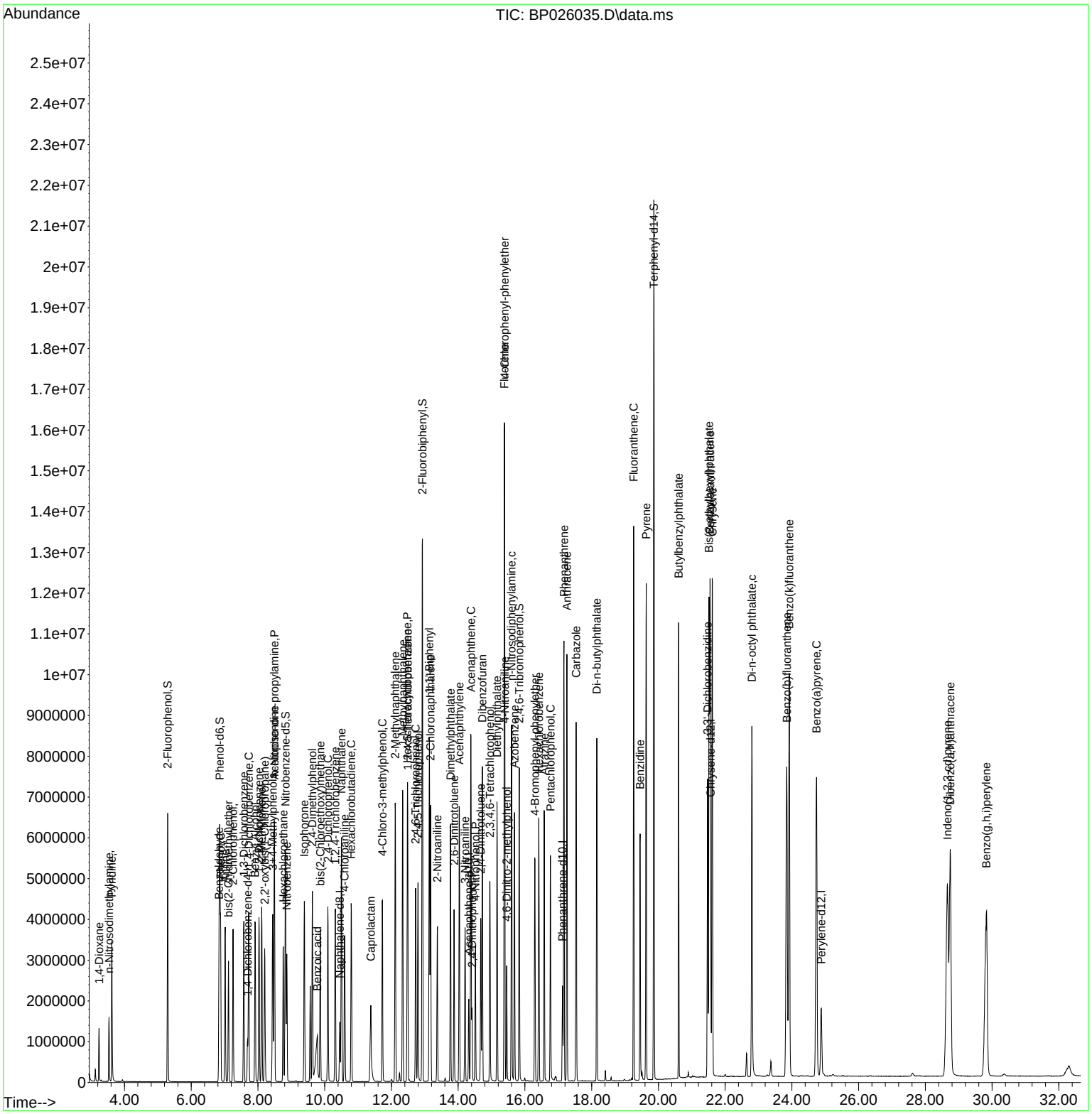
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026035.D
Acq On : 29 Oct 2025 14:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.637	152	281938	20.000	ng		-0.05
21) Naphthalene-d8	10.413	136	1165829	20.000	ng		-0.04
39) Acenaphthene-d10	14.313	164	734180	20.000	ng		0.00
64) Phenanthrene-d10	17.125	188	1529844	20.000	ng		0.00
76) Chrysene-d12	21.577	240	1603754	20.000	ng		0.01
86) Perylene-d12	24.901	264	1688986	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.249	112	1169189	68.429	ng		-0.05
7) Phenol-d6	6.807	99	1480783	68.090	ng		-0.05
23) Nitrobenzene-d5	8.784	82	1283881	68.652	ng		-0.04
42) 2,4,6-Tribromophenol	15.830	330	577899	72.809	ng		0.00
45) 2-Fluorobiphenyl	12.913	172	3425177	67.037	ng		-0.02
79) Terphenyl-d14	19.871	244	5329468	67.515	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.214	88	239880	33.303	ng		100
3) Pyridine	3.590	79	668959	32.670	ng		99
4) n-Nitrosodimethylamine	3.508	42	288399	35.142	ng		97
6) Aniline	6.972	93	1040197	35.839	ng		100
8) 2-Chlorophenol	7.202	128	654572	34.596	ng		97
9) Benzaldehyde	6.784	77	520334m	46.027	ng		
10) Phenol	6.831	94	816366	33.813	ng		99
11) bis(2-Chloroethyl)ether	7.066	93	645531	33.880	ng		99
12) 1,3-Dichlorobenzene	7.531	146	750462	34.538	ng		99
13) 1,4-Dichlorobenzene	7.678	146	771097	35.099	ng		98
14) 1,2-Dichlorobenzene	7.990	146	735657	35.092	ng		99
15) Benzyl Alcohol	7.866	79	551625	35.185	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.172	45	965445	33.526	ng		98
17) 2-Methylphenol	8.078	107	553305	34.998	ng		99
18) Hexachloroethane	8.713	117	259803	34.560	ng		100
19) n-Nitroso-di-n-propyla...	8.443	70	490575	36.340	ng		98
20) 3+4-Methylphenols	8.396	107	753178	34.245	ng		98
22) Acetophenone	8.449	105	1054241	35.756	ng	#	98
24) Nitrobenzene	8.825	77	687636	34.825	ng		98
25) Isophorone	9.343	82	1403746	35.069	ng		100
26) 2-Nitrophenol	9.525	139	257308	36.106	ng		97
27) 2,4-Dimethylphenol	9.584	122	632451	37.573	ng		99
28) bis(2-Chloroethoxy)met...	9.837	93	869155	34.454	ng		99
29) 2,4-Dichlorophenol	10.060	162	614929	34.599	ng		99
30) 1,2,4-Trichlorobenzene	10.278	180	684636	35.441	ng		97
31) Naphthalene	10.466	128	2154430	33.888	ng		100
32) Benzoic acid	9.690	122	351760	37.646	ng		98
33) 4-Chloroaniline	10.566	127	949777	38.877	ng		99
34) Hexachlorobutadiene	10.760	225	415865	33.876	ng		99
35) Caprolactam	11.319	113	217407	34.833	ng		96
36) 4-Chloro-3-methylphenol	11.695	107	646328	34.690	ng		98
37) 2-Methylnaphthalene	12.084	142	1378858	30.988	ng		99
38) 1-Methylnaphthalene	12.319	142	1423665	32.934	ng		100
40) 1,2,4,5-Tetrachloroben...	12.460	216	786568	34.481	ng		100
41) Hexachlorocyclopentadiene	12.448	237	393924	47.197	ng		99
43) 2,4,6-Trichlorophenol	12.701	196	489212	36.282	ng		99

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

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

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

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

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

ICAL Form

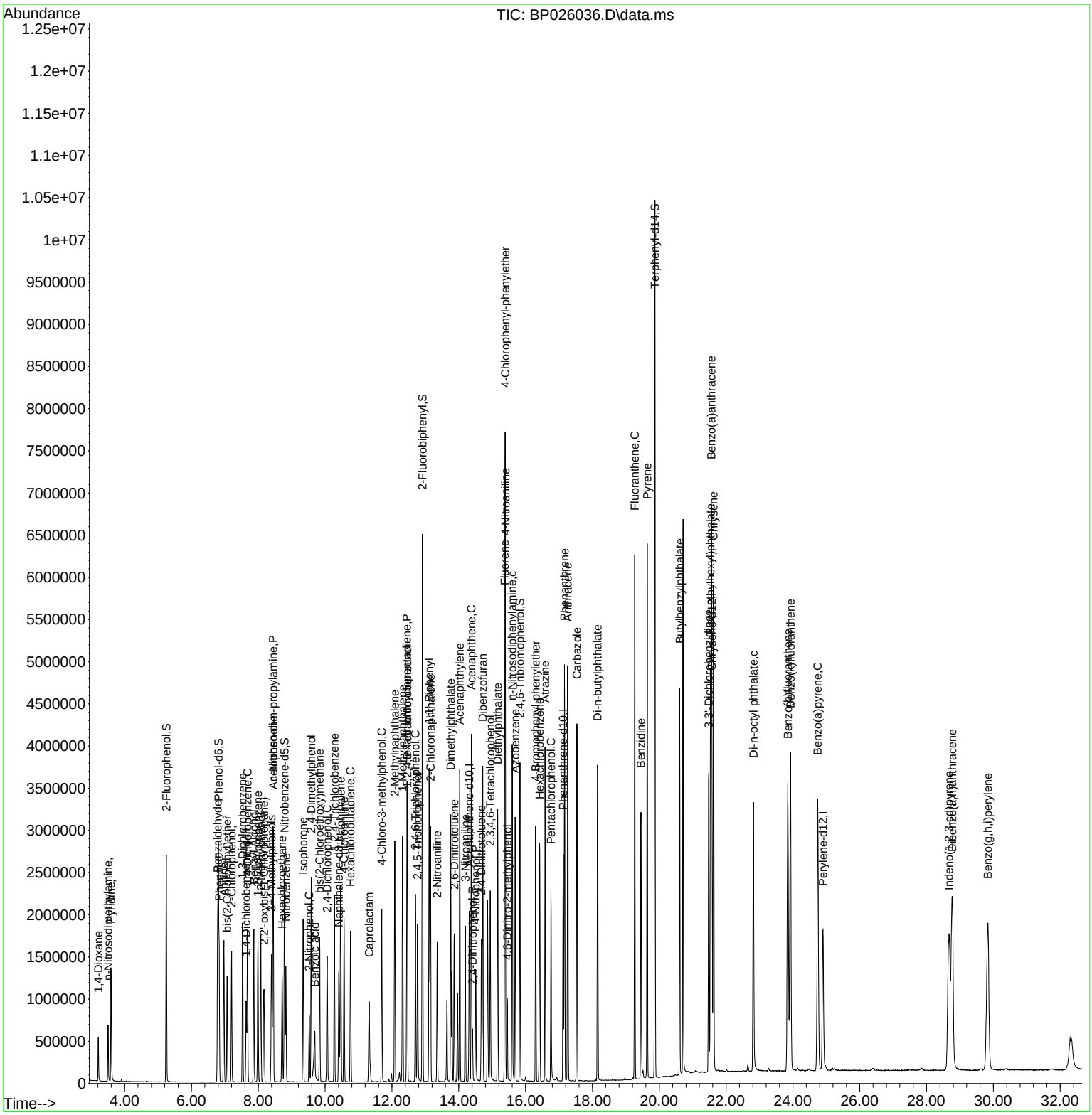
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

Manual Integrations APPROVED

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



Evaluate Continuing Calibration Report

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	-0.05
2		1,4-Dioxane	0.511	0.425	16.8	79	-0.02
3		Pyridine	1.453	1.186	18.4	77	-0.03
4		n-Nitrosodimethylamine	0.582	0.511	12.2	84	-0.03
5	S	2-Fluorophenol	1.212	1.037	14.4	80	-0.05
6		Aniline	2.059	1.845	10.4	84	-0.05
7	S	Phenol-d6	1.543	1.313	14.9	79	-0.05
8		2-Chlorophenol	1.342	1.161	13.5	80	-0.05
9		Benzaldehyde	0.802	0.923	-15.1	110	-0.05
10	C	Phenol	1.713	1.448	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	1.352	1.145	15.3	80	-0.05
12		1,3-Dichlorobenzene	1.541	1.331	13.6	81	-0.05
13	C	1,4-Dichlorobenzene	1.558	1.367	12.3	83	-0.05
14		1,2-Dichlorobenzene	1.487	1.305	12.2	83	-0.04
15		Benzyl Alcohol	1.112	0.978	12.1	83	-0.05
16		2,2'-oxybis(1-Chloropropane	2.043	1.712	16.2	78	-0.03
17		2-Methylphenol	1.121	0.981	12.5	80	-0.04
18		Hexachloroethane	0.533	0.461	13.5	80	-0.05
19	P	n-Nitroso-di-n-propylamine	0.958	0.870	9.2	82	-0.05
20		3+4-Methylphenols	1.560	1.336	14.4	80	-0.05
21	I	Naphthalene-d8	1.000	1.000	0.0	97	-0.04
22		Acetophenone	0.506	0.452	10.7	85	-0.05
23	S	Nitrobenzene-d5	0.321	0.275	14.3	79	-0.04
24		Nitrobenzene	0.339	0.295	13.0	80	-0.04
25		Isophorone	0.687	0.602	12.4	81	-0.05
26	C	2-Nitrophenol	0.104	0.110	-5.8	83	-0.04
27		2,4-Dimethylphenol	0.289	0.271	6.2	87	-0.05
28		bis(2-Chloroethoxy)methane	0.433	0.373	13.9	81	-0.03
29	C	2,4-Dichlorophenol	0.305	0.264	13.4	78	-0.03
30		1,2,4-Trichlorobenzene	0.331	0.294	11.2	84	-0.04
31		Naphthalene	1.091	0.924	15.3	80	-0.04
32		Benzoic acid	0.163	0.151	7.4	87	-0.09
33		4-Chloroaniline	0.419	0.407	2.9	90	-0.03
34	C	Hexachlorobutadiene	0.211	0.178	15.6	80	-0.04
35		Caprolactam	0.107	0.093	13.1	80	-0.07
36	C	4-Chloro-3-methylphenol	0.320	0.277	13.4	78	-0.04
37		2-Methylnaphthalene	0.763	0.591	22.5	72	-0.03
38		1-Methylnaphthalene	0.742	0.611	17.7	77	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	0.621	0.536	13.7	81	-0.03
41	P	Hexachlorocyclopentadiene	0.227	0.268	-18.1	109	-0.03
42	S	2,4,6-Tribromophenol	0.216	0.197	8.8	80	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.333	9.3	80	-0.02
44		2,4,5-Trichlorophenol	0.419	0.370	11.7	78	-0.03
45	S	2-Fluorobiphenyl	1.392	1.166	16.2	79	-0.02
46		1,1'-Biphenyl	1.531	1.343	12.3	83	-0.02
47		2-Chloronaphthalene	1.205	1.002	16.8	78	-0.02

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.272	0.255	6.3	81	-0.02
49		Acenaphthylene	1.756	1.709	2.7	90	0.00
50		Dimethylphthalate	1.455	1.277	12.2	81	-0.01
51		2,6-Dinitrotoluene	0.237	0.250	-5.5	91	-0.01
52	C	Acenaphthene	1.206	0.993	17.7	76	0.00
53		3-Nitroaniline	0.291	0.290	0.3	86	-0.01
54	P	2,4-Dinitrophenol	0.100	0.086	14.0	83	0.00
55		Dibenzofuran	1.822	1.545	15.2	79	0.00
56	P	4-Nitrophenol	0.290	0.237	18.3	80	-0.01
57		2,4-Dinitrotoluene	0.347	0.340	2.0	83	0.00
58		Fluorene	1.427	1.261	11.6	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.323	2.1	85	-0.01
60		Diethylphthalate	1.463	1.280	12.5	79	0.00
61		4-Chlorophenyl-phenylether	0.713	0.604	15.3	79	0.00
62		4-Nitroaniline	0.311	0.294	5.5	83	0.00
63		Azobenzene	1.325	1.161	12.4	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.077	0.065	15.6	84	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.526	15.8	80	0.00
67		4-Bromophenyl-phenylether	0.222	0.182	18.0	78	0.00
68		Hexachlorobenzene	0.253	0.207	18.2	79	0.00
69		Atrazine	0.211	0.196	7.1	88	0.00
70	C	Pentachlorophenol	0.154	0.130	15.6	80	0.00
71		Phenanthrene	1.164	0.952	18.2	79	0.00
72		Anthracene	1.154	0.964	16.5	81	0.00
73		Carbazole	1.092	0.913	16.4	79	0.00
74		Di-n-butylphthalate	1.222	1.073	12.2	79	0.00
75	C	Fluoranthene	1.358	1.125	17.2	78	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	97	0.01
77		Benzidine	0.508	0.611	-20.3	115	0.00
78		Pyrene	1.353	1.113	17.7	76	0.00
79	S	Terphenyl-d14	0.984	0.831	15.5	80	0.00
80		Butylbenzylphthalate	0.432	0.411	4.9	81	0.00
81		Benzo(a)anthracene	1.374	1.136	17.3	78	0.01
82		3,3'-Dichlorobenzidine	0.443	0.412	7.0	87	0.00
83		Chrysene	1.302	1.059	18.7	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.718	0.664	7.5	78	0.01
85	c	Di-n-octyl phthalate	1.191	1.002	15.9	76	0.02
86	I	Perylene-d12	1.000	1.000	0.0	96	0.02
87		Indeno(1,2,3-cd)pyrene	1.477	1.229	16.8	75	0.01
88		Benzo(b)fluoranthene	1.242	1.058	14.8	78	0.00
89		Benzo(k)fluoranthene	1.268	1.090	14.0	79	0.00
90	C	Benzo(a)pyrene	1.141	0.999	12.4	79	0.00
91		Dibenzo(a,h)anthracene	1.202	1.018	15.3	77	0.02
92		Benzo(g,h,i)perylene	1.156	0.979	15.3	77	0.00

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026036.D
Acq On : 29 Oct 2025 16:09
Operator : RC/JU
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Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	96	-0.05
2		1,4-Dioxane	40.000	33.303	16.7	79	-0.02
3		Pyridine	40.000	32.670	18.3	77	-0.03
4		n-Nitrosodimethylamine	40.000	35.142	12.1	84	-0.03
5	S	2-Fluorophenol	80.000	68.429	14.5	80	-0.05
6		Aniline	40.000	35.839	10.4	84	-0.05
7	S	Phenol-d6	80.000	68.090	14.9	79	-0.05
8		2-Chlorophenol	40.000	34.596	13.5	80	-0.05
9		Benzaldehyde	40.000	46.027	-15.1	110	-0.05
10	C	Phenol	40.000	33.813	15.5	79	-0.05
11		bis(2-Chloroethyl)ether	40.000	33.880	15.3	80	-0.05
12		1,3-Dichlorobenzene	40.000	34.538	13.7	81	-0.05
13	C	1,4-Dichlorobenzene	40.000	35.099	12.3	83	-0.05
14		1,2-Dichlorobenzene	40.000	35.092	12.3	83	-0.04
15		Benzyl Alcohol	40.000	35.185	12.0	83	-0.05
16		2,2'-oxybis(1-Chloropropane	40.000	33.526	16.2	78	-0.03
17		2-Methylphenol	40.000	34.998	12.5	80	-0.04
18		Hexachloroethane	40.000	34.560	13.6	80	-0.05
19	P	n-Nitroso-di-n-propylamine	40.000	36.340	9.1	82	-0.05
20		3+4-Methylphenols	40.000	34.245	14.4	80	-0.05
21	I	Naphthalene-d8	20.000	20.000	0.0	97	-0.04
22		Acetophenone	40.000	35.756	10.6	85	-0.05
23	S	Nitrobenzene-d5	80.000	68.652	14.2	79	-0.04
24		Nitrobenzene	40.000	34.825	12.9	80	-0.04
25		Isophorone	40.000	35.069	12.3	81	-0.05
26	C	2-Nitrophenol	40.000	36.106	9.7	83	-0.04
27		2,4-Dimethylphenol	40.000	37.573	6.1	87	-0.05
28		bis(2-Chloroethoxy)methane	40.000	34.454	13.9	81	-0.03
29	C	2,4-Dichlorophenol	40.000	34.599	13.5	78	-0.03
30		1,2,4-Trichlorobenzene	40.000	35.441	11.4	84	-0.04
31		Naphthalene	40.000	33.888	15.3	80	-0.04
32		Benzoic acid	40.000	37.646	5.9	87	-0.09
33		4-Chloroaniline	40.000	38.877	2.8	90	-0.03
34	C	Hexachlorobutadiene	40.000	33.876	15.3	80	-0.04
35		Caprolactam	40.000	34.833	12.9	80	-0.07
36	C	4-Chloro-3-methylphenol	40.000	34.690	13.3	78	-0.04
37		2-Methylnaphthalene	40.000	30.988	22.5	72	-0.03
38		1-Methylnaphthalene	40.000	32.934	17.7	77	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	96	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	34.481	13.8	81	-0.03
41	P	Hexachlorocyclopentadiene	40.000	47.197	-18.0	109	-0.03
42	S	2,4,6-Tribromophenol	80.000	72.809	9.0	80	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.282	9.3	80	-0.02
44		2,4,5-Trichlorophenol	40.000	35.326	11.7	78	-0.03
45	S	2-Fluorobiphenyl	80.000	67.037	16.2	79	-0.02
46		1,1'-Biphenyl	40.000	35.073	12.3	83	-0.02
47		2-Chloronaphthalene	40.000	33.277	16.8	78	-0.02

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	33.821	15.4	81	-0.02
49		Acenaphthylene	40.000	38.923	2.7	90	0.00
50		Dimethylphthalate	40.000	35.112	12.2	81	-0.01
51		2,6-Dinitrotoluene	40.000	37.528	6.2	91	-0.01
52	C	Acenaphthene	40.000	32.961	17.6	76	0.00
53		3-Nitroaniline	40.000	36.037	9.9	86	-0.01
54	P	2,4-Dinitrophenol	40.000	36.040	9.9	83	0.00
55		Dibenzofuran	40.000	33.938	15.2	79	0.00
56	P	4-Nitrophenol	40.000	32.703	18.2	80	-0.01
57		2,4-Dinitrotoluene	40.000	35.013	12.5	83	0.00
58		Fluorene	40.000	35.342	11.6	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.197	2.0	85	-0.01
60		Diethylphthalate	40.000	35.015	12.5	79	0.00
61		4-Chlorophenyl-phenylether	40.000	33.928	15.2	79	0.00
62		4-Nitroaniline	40.000	37.891	5.3	83	0.00
63		Azobenzene	40.000	35.051	12.4	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	35.409	11.5	84	0.00
66	c	n-Nitrosodiphenylamine	40.000	33.661	15.8	80	0.00
67		4-Bromophenyl-phenylether	40.000	32.800	18.0	78	0.00
68		Hexachlorobenzene	40.000	32.804	18.0	79	0.00
69		Atrazine	40.000	37.108	7.2	88	0.00
70	C	Pentachlorophenol	40.000	33.716	15.7	80	0.00
71		Phenanthrene	40.000	32.726	18.2	79	0.00
72		Anthracene	40.000	33.409	16.5	81	0.00
73		Carbazole	40.000	33.421	16.4	79	0.00
74		Di-n-butylphthalate	40.000	35.126	12.2	79	0.00
75	C	Fluoranthene	40.000	33.126	17.2	78	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	97	0.01
77		Benzidine	40.000	48.151	-20.4	115	0.00
78		Pyrene	40.000	32.912	17.7	76	0.00
79	S	Terphenyl-d14	80.000	67.515	15.6	80	0.00
80		Butylbenzylphthalate	40.000	33.630	15.9	81	0.00
81		Benzo(a)anthracene	40.000	33.052	17.4	78	0.01
82		3,3'-Dichlorobenzidine	40.000	37.253	6.9	87	0.00
83		Chrysene	40.000	32.526	18.7	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	33.750	15.6	78	0.01
85	c	Di-n-octyl phthalate	40.000	33.668	15.8	76	0.02
86	I	Perylene-d12	20.000	20.000	0.0	96	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	33.295	16.8	75	0.01
88		Benzo(b)fluoranthene	40.000	34.098	14.8	78	0.00
89		Benzo(k)fluoranthene	40.000	34.381	14.0	79	0.00
90	C	Benzo(a)pyrene	40.000	35.024	12.4	79	0.00
91		Dibenzo(a,h)anthracene	40.000	33.879	15.3	77	0.02
92		Benzo(g,h,i)perylene	40.000	33.862	15.3	77	0.00

ICAL Form

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

Instrument :
BNA_P
ClientSampleId :
ICVBP102925

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

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: 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.

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.216	152	29760	20.000	ng		0.00
21) Naphthalene-d8	11.042	136	121809	20.000	ng		0.00
39) Acenaphthene-d10	14.838	164	99146	20.000	ng		0.00
64) Phenanthrene-d10	17.576	188	255812	20.000	ng		0.00
76) Chrysene-d12	21.853	240	303338	20.000	ng		0.00
86) Perylene-d12	25.196	264	334065	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.749	112	150501	84.884	ng		0.00
7) Phenol-d6	7.353	99	206000	84.671	ng		0.00
23) Nitrobenzene-d5	9.380	82	205739	101.448	ng		0.00
42) 2,4,6-Tribromophenol	16.319	330	146464	102.353	ng		0.00
45) 2-Fluorobiphenyl	13.469	172	550409	84.147	ng		0.00
79) Terphenyl-d14	20.167	244	1315419	81.837	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.586	88	32251	41.086	ng		95
3) Pyridine	3.998	79	93547	39.685	ng		98
4) n-Nitrosodimethylamine	3.904	42	51503	40.742	ng		95
6) Aniline	7.529	93	136762	41.310	ng		99
8) 2-Chlorophenol	7.776	128	84243	45.394	ng		98
9) Benzaldehyde	7.341	77	59732	44.971	ng		96
10) Phenol	7.382	94	112447	41.792	ng		97
11) bis(2-Chloroethyl)ether	7.623	93	80745	40.817	ng		95
12) 1,3-Dichlorobenzene	8.111	146	91656	42.911	ng		97
13) 1,4-Dichlorobenzene	8.257	146	92453	42.569	ng		95
14) 1,2-Dichlorobenzene	8.581	146	89742	42.840	ng		98
15) Benzyl Alcohol	8.445	79	87326	43.527	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.739	45	207478	39.984	ng		98
17) 2-Methylphenol	8.645	107	76321	42.723	ng		98
18) Hexachloroethane	9.321	117	33456	43.896	ng		92
19) n-Nitroso-di-n-propyla...	9.021	70	70193	41.746	ng		99
20) 3+4-Methylphenols	8.974	107	106425	42.362	ng		96
22) Acetophenone	9.039	105	140475	42.188	ng		95
24) Nitrobenzene	9.427	77	106834	48.433	ng		97
25) Isophorone	9.950	82	207109	42.559	ng		99
26) 2-Nitrophenol	10.143	139	43580	50.996	ng		91
27) 2,4-Dimethylphenol	10.190	122	77929	43.051	ng		98
28) bis(2-Chloroethoxy)met...	10.431	93	116027	41.876	ng		98
29) 2,4-Dichlorophenol	10.678	162	89869	46.132	ng		96
30) 1,2,4-Trichlorobenzene	10.901	180	95331	43.070	ng		99
31) Naphthalene	11.095	128	282988	41.902	ng		98
32) Benzoic acid	10.296	122	59106	43.506	ng		94
33) 4-Chloroaniline	11.189	127	110439	42.073	ng		96
34) Hexachlorobutadiene	11.383	225	75914	43.856	ng		98
35) Caprolactam	11.947	113	32886	44.014	ng	#	93
36) 4-Chloro-3-methylphenol	12.288	107	104310	44.546	ng		99
37) 2-Methylnaphthalene	12.688	142	211429	42.641	ng		97
38) 1-Methylnaphthalene	12.905	142	206713	42.113	ng		99
40) 1,2,4,5-Tetrachloroben...	13.046	216	142351	42.781	ng		99
41) Hexachlorocyclopentadiene	13.034	237	72118	48.153	ng		94
43) 2,4,6-Trichlorophenol	13.275	196	92265	48.476	ng		98

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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

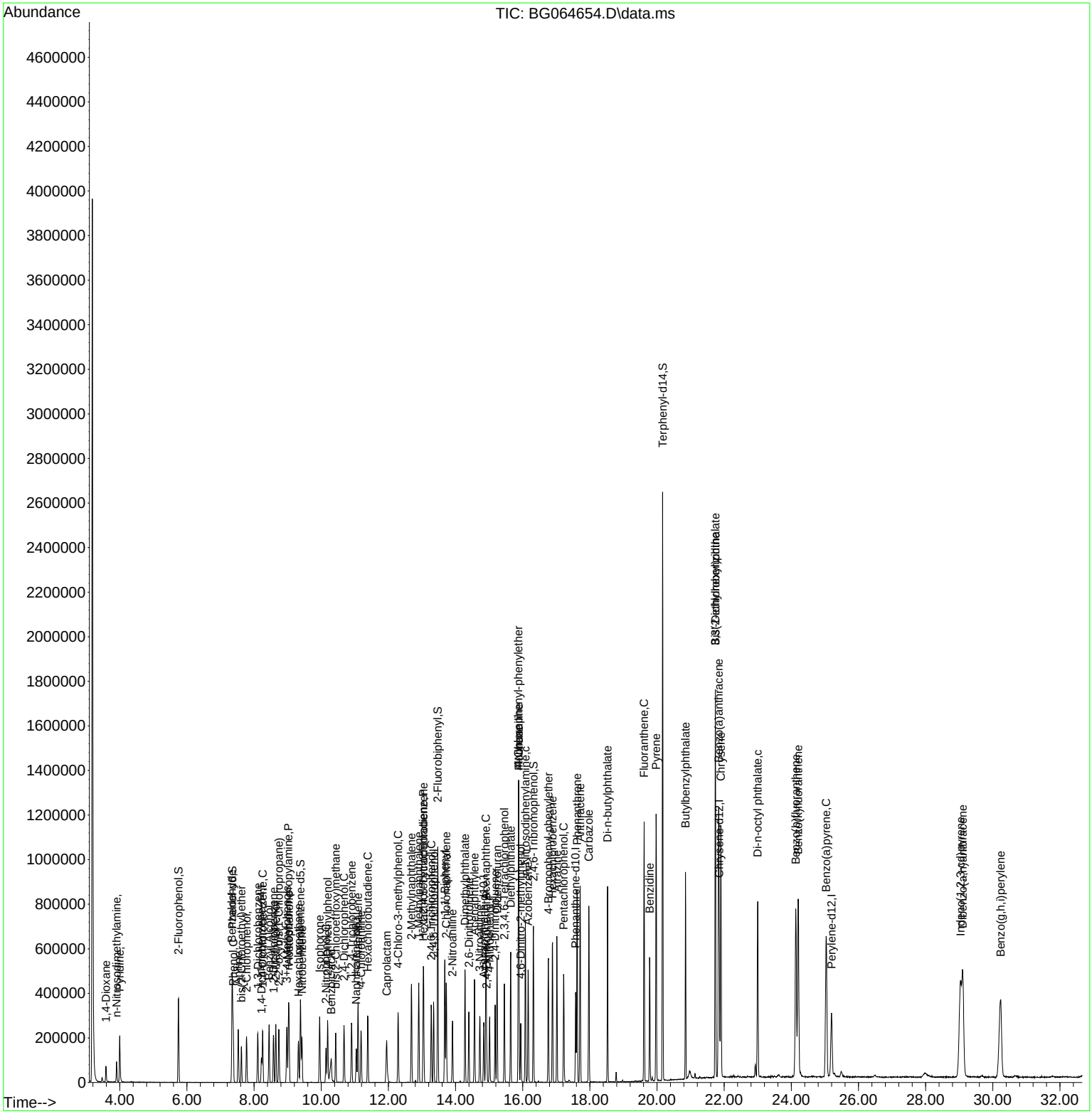
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102397	46.620	ng		97
46) 1,1'-Biphenyl	13.681	154	292218	41.458	ng		95
47) 2-Chloronaphthalene	13.722	162	221744	41.677	ng		100
48) 2-Nitroaniline	13.910	65	83630	46.901	ng		93
49) Acenaphthylene	14.562	152	350872	41.810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

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

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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



Sample Results: **BG064654.D**

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
2		1,4-Dioxane	0.528	0.542	-2.7	76	0.00
3		Pyridine	1.584	1.572	0.8	70	0.00
4		n-Nitrosodimethylamine	0.850	0.865	-1.8	71	0.00
5	S	2-Fluorophenol	1.192	1.264	-6.0	72	0.00
6		Aniline	2.225	2.298	-3.3	71	0.00
7	S	Phenol-d6	1.635	1.731	-5.9	72	0.00
8		2-Chlorophenol	1.247	1.415	-13.5	76	0.00
9		Benzaldehyde	0.893	1.004	-12.4	79	0.00
10	C	Phenol	1.808	1.889	-4.5	72	0.00
11		bis(2-Chloroethyl)ether	1.329	1.357	-2.1	73	0.00
12		1,3-Dichlorobenzene	1.435	1.540	-7.3	75	0.00
13	C	1,4-Dichlorobenzene	1.460	1.553	-6.4	75	0.00
14		1,2-Dichlorobenzene	1.408	1.508	-7.1	75	0.00
15		Benzyl Alcohol	1.348	1.467	-8.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.486	0.0	69	0.00
17		2-Methylphenol	1.201	1.282	-6.7	75	0.00
18		Hexachloroethane	0.512	0.562	-9.8	77	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.179	-4.3	71	0.00
20		3+4-Methylphenols	1.688	1.788	-5.9	73	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	74	0.00
22		Acetophenone	0.547	0.577	-5.5	73	0.00
23	S	Nitrobenzene-d5	0.333	0.422	-26.7#	83	0.00
24		Nitrobenzene	0.362	0.439	-21.3	79	0.00
25		Isophorone	0.799	0.850	-6.4	72	0.00
26	C	2-Nitrophenol	0.121	0.179	-47.9#	97	0.00
27		2,4-Dimethylphenol	0.297	0.320	-7.7	71	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.476	-4.6	72	0.00
29	C	2,4-Dichlorophenol	0.320	0.369	-15.3	76	0.00
30		1,2,4-Trichlorobenzene	0.363	0.391	-7.7	74	0.00
31		Naphthalene	1.109	1.162	-4.8	73	0.00
32		Benzoic acid	0.207	0.243	-17.4	80	-0.01
33		4-Chloroaniline	0.431	0.453	-5.1	73	0.00
34	C	Hexachlorobutadiene	0.284	0.312	-9.9	77	0.00
35		Caprolactam	0.123	0.135	-9.8	74	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.428	-11.5	74	0.00
37		2-Methylnaphthalene	0.814	0.868	-6.6	74	0.00
38		1-Methylnaphthalene	0.806	0.849	-5.3	73	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	76	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.718	-7.0	78	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.364	-20.5	85	0.00
42	S	2,4,6-Tribromophenol	0.289	0.369	-27.7#	88	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.465	-21.1#	83	0.00
44		2,4,5-Trichlorophenol	0.443	0.516	-16.5	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.388	-5.2	76	0.00
46		1,1'-Biphenyl	1.422	1.474	-3.7	75	0.00
47		2-Chloronaphthalene	1.073	1.118	-4.2	75	0.00

Sample Results: **BG064654.D**

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.311	0.422	-35.7#	92	0.00
49		Acenaphthylene	1.693	1.769	-4.5	75	0.00
50		Dimethylphthalate	1.530	1.657	-8.3	77	0.00
51		2,6-Dinitrotoluene	0.218	0.300	-37.6#	92	0.00
52	C	Acenaphthene	1.157	1.252	-8.2	78	0.00
53		3-Nitroaniline	0.263	0.354	-34.6#	91	0.00
54	P	2,4-Dinitrophenol	0.132	0.207	-56.8#	115	0.00
55		Dibenzofuran	1.870	1.961	-4.9	76	0.00
56	P	4-Nitrophenol	0.244	0.316	-29.5#	92	0.00
57		2,4-Dinitrotoluene	0.340	0.487	-43.2#	96	0.00
58		Fluorene	1.460	1.563	-7.1	78	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.528	-24.5	86	0.00
60		Diethylphthalate	1.563	1.669	-6.8	77	0.00
61		4-Chlorophenyl-phenylether	0.820	0.888	-8.3	78	0.00
62		4-Nitroaniline	0.293	0.397	-35.5#	92	0.00
63		Azobenzene	1.434	1.488	-3.8	73	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.121	-53.2#	119	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.554	-2.6	78	0.00
67		4-Bromophenyl-phenylether	0.237	0.258	-8.9	81	0.00
68		Hexachlorobenzene	0.270	0.296	-9.6	83	0.00
69		Atrazine	0.232	0.243	-4.7	81	0.00
70	C	Pentachlorophenol	0.169	0.202	-19.5	91	0.00
71		Phenanthrene	1.094	1.147	-4.8	81	0.00
72		Anthracene	1.113	1.152	-3.5	79	0.00
73		Carbazole	0.981	1.034	-5.4	82	0.00
74		Di-n-butylphthalate	1.134	1.193	-5.2	79	0.00
75	C	Fluoranthene	1.370	1.478	-7.9	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77		Benzidine	0.448	0.545	-21.7	101	0.00
78		Pyrene	1.307	1.306	0.1	84	0.00
79	S	Terphenyl-d14	1.060	1.084	-2.3	86	0.00
80		Butylbenzylphthalate	0.395	0.453	-14.7	92	0.00
81		Benzo(a)anthracene	1.326	1.407	-6.1	91	0.00
82		3,3'-Dichlorobenzidine	0.443	0.498	-12.4	95	0.00
83		Chrysene	1.262	1.325	-5.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.658	-11.5	89	-0.01
85	c	Di-n-octyl phthalate	0.995	1.141	-14.7	96	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.539	-4.6	93	0.00
88		Benzo(b)fluoranthene	1.226	1.288	-5.1	93	0.00
89		Benzo(k)fluoranthene	1.227	1.284	-4.6	95	0.00
90	C	Benzo(a)pyrene	1.127	1.181	-4.8	94	0.00
91		Dibenzo(a,h)anthracene	1.195	1.255	-5.0	94	0.00
92		Benzo(g,h,i)perylene	1.142	1.193	-4.5	94	0.00

Sample Results: **BG064654.D**

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Sample Results: **BG064654.D**

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	74	0.00
2		1,4-Dioxane	40.000	41.086	-2.7	76	0.00
3		Pyridine	40.000	39.685	0.8	70	0.00
4		n-Nitrosodimethylamine	40.000	40.742	-1.9	71	0.00
5	S	2-Fluorophenol	80.000	84.884	-6.1	72	0.00
6		Aniline	40.000	41.310	-3.3	71	0.00
7	S	Phenol-d6	80.000	84.671	-5.8	72	0.00
8		2-Chlorophenol	40.000	45.394	-13.5	76	0.00
9		Benzaldehyde	40.000	44.971	-12.4	79	0.00
10	C	Phenol	40.000	41.792	-4.5	72	0.00
11		bis(2-Chloroethyl)ether	40.000	40.817	-2.0	73	0.00
12		1,3-Dichlorobenzene	40.000	42.911	-7.3	75	0.00
13	C	1,4-Dichlorobenzene	40.000	42.569	-6.4	75	0.00
14		1,2-Dichlorobenzene	40.000	42.840	-7.1	75	0.00
15		Benzyl Alcohol	40.000	43.527	-8.8	76	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.984	0.0	69	0.00
17		2-Methylphenol	40.000	42.723	-6.8	75	0.00
18		Hexachloroethane	40.000	43.896	-9.7	77	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.746	-4.4	71	0.00
20		3+4-Methylphenols	40.000	42.362	-5.9	73	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	74	0.00
22		Acetophenone	40.000	42.188	-5.5	73	0.00
23	S	Nitrobenzene-d5	80.000	101.448	-26.8#	83	0.00
24		Nitrobenzene	40.000	48.433	-21.1	79	0.00
25		Isophorone	40.000	42.559	-6.4	72	0.00
26	C	2-Nitrophenol	40.000	50.996	-27.5#	97	0.00
27		2,4-Dimethylphenol	40.000	43.051	-7.6	71	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.876	-4.7	72	0.00
29	C	2,4-Dichlorophenol	40.000	46.132	-15.3	76	0.00
30		1,2,4-Trichlorobenzene	40.000	43.070	-7.7	74	0.00
31		Naphthalene	40.000	41.902	-4.8	73	0.00
32		Benzoic acid	40.000	43.506	-8.8	80	-0.01
33		4-Chloroaniline	40.000	42.073	-5.2	73	0.00
34	C	Hexachlorobutadiene	40.000	43.856	-9.6	77	0.00
35		Caprolactam	40.000	44.014	-10.0	74	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.546	-11.4	74	0.00
37		2-Methylnaphthalene	40.000	42.641	-6.6	74	0.00
38		1-Methylnaphthalene	40.000	42.113	-5.3	73	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	76	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.781	-7.0	78	0.00
41	P	Hexachlorocyclopentadiene	40.000	48.153	-20.4	85	0.00
42	S	2,4,6-Tribromophenol	80.000	102.353	-27.9#	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	48.476	-21.2#	83	0.00
44		2,4,5-Trichlorophenol	40.000	46.620	-16.5	81	0.00
45	S	2-Fluorobiphenyl	80.000	84.147	-5.2	76	0.00
46		1,1'-Biphenyl	40.000	41.458	-3.6	75	0.00
47		2-Chloronaphthalene	40.000	41.677	-4.2	75	0.00

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	46.901	-17.3	92	0.00
49		Acenaphthylene	40.000	41.810	-4.5	75	0.00
50		Dimethylphthalate	40.000	43.311	-8.3	77	0.00
51		2,6-Dinitrotoluene	40.000	47.570	-18.9	92	0.00
52	C	Acenaphthene	40.000	43.306	-8.3	78	0.00
53		3-Nitroaniline	40.000	53.795	-34.5#	91	0.00
54	P	2,4-Dinitrophenol	40.000	55.180	-38.0#	115	0.00
55		Dibenzofuran	40.000	41.947	-4.9	76	0.00
56	P	4-Nitrophenol	40.000	51.918	-29.8#	92	0.00
57		2,4-Dinitrotoluene	40.000	49.783	-24.5	96	0.00
58		Fluorene	40.000	42.824	-7.1	78	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	49.820	-24.6	86	0.00
60		Diethylphthalate	40.000	42.720	-6.8	77	0.00
61		4-Chlorophenyl-phenylether	40.000	43.354	-8.4	78	0.00
62		4-Nitroaniline	40.000	54.295	-35.7#	92	0.00
63		Azobenzene	40.000	41.508	-3.8	73	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	40.000	54.019	-35.0#	119	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.047	-2.6	78	0.00
67		4-Bromophenyl-phenylether	40.000	43.477	-8.7	81	0.00
68		Hexachlorobenzene	40.000	43.724	-9.3	83	0.00
69		Atrazine	40.000	41.856	-4.6	81	0.00
70	C	Pentachlorophenol	40.000	47.836	-19.6	91	0.00
71		Phenanthrene	40.000	41.963	-4.9	81	0.00
72		Anthracene	40.000	41.417	-3.5	79	0.00
73		Carbazole	40.000	42.151	-5.4	82	0.00
74		Di-n-butylphthalate	40.000	42.063	-5.2	79	0.00
75	C	Fluoranthene	40.000	43.143	-7.9	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77		Benzidine	40.000	48.641	-21.6	101	0.00
78		Pyrene	40.000	39.970	0.1	84	0.00
79	S	Terphenyl-d14	80.000	81.837	-2.3	86	0.00
80		Butylbenzylphthalate	40.000	45.886	-14.7	92	0.00
81		Benzo(a)anthracene	40.000	42.450	-6.1	91	0.00
82		3,3'-Dichlorobenzidine	40.000	44.970	-12.4	95	0.00
83		Chrysene	40.000	41.990	-5.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.616	-11.5	89	-0.01
85	c	Di-n-octyl phthalate	40.000	45.860	-14.6	96	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	95	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.854	-4.6	93	0.00
88		Benzo(b)fluoranthene	40.000	42.017	-5.0	93	0.00
89		Benzo(k)fluoranthene	40.000	41.862	-4.7	95	0.00
90	C	Benzo(a)pyrene	40.000	41.910	-4.8	94	0.00
91		Dibenzo(a,h)anthracene	40.000	42.012	-5.0	94	0.00
92		Benzo(g,h,i)perylene	40.000	41.797	-4.5	94	0.00

Sample Results: **BG064654.D**

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

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

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

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

Compound	Amount	Calc.	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 2

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: 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.

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	297452	20.000	ng	-0.04
21) Naphthalene-d8	10.425	136	1230692	20.000	ng	-0.03
39) Acenaphthene-d10	14.301	164	771148	20.000	ng	-0.02
64) Phenanthrene-d10	17.125	188	1552564	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1613817	20.000	ng	0.00
86) Perylene-d12	24.877	264	1763249	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.261	112	1447651	80.308	ng	-0.04
7) Phenol-d6	6.819	99	1879097	81.899	ng	-0.04
23) Nitrobenzene-d5	8.784	82	1655613	83.864	ng	-0.04
42) 2,4,6-Tribromophenol	15.825	330	664210	79.671	ng	0.00
45) 2-Fluorobiphenyl	12.913	172	4283094	79.809	ng	-0.02
79) Terphenyl-d14	19.866	244	6466975	81.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.220	88	314245	41.352	ng	99
3) Pyridine	3.602	79	900604	41.689	ng	98
4) n-Nitrosodimethylamine	3.514	42	356772	41.206	ng	98
6) Aniline	6.978	93	1255272	40.993	ng	100
8) 2-Chlorophenol	7.213	128	811625	40.660	ng	100
9) Benzaldehyde	6.796	77	417932	35.040	ng	99
10) Phenol	6.843	94	1029773	40.428	ng	100
11) bis(2-Chloroethyl)ether	7.072	93	836070	41.591	ng	98
12) 1,3-Dichlorobenzene	7.537	146	945897	41.262	ng	100
13) 1,4-Dichlorobenzene	7.684	146	949644	40.972	ng	99
14) 1,2-Dichlorobenzene	7.996	146	901561	40.763	ng	98
15) Benzyl Alcohol	7.878	79	659007	39.842	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.166	45	1274894	41.963	ng	100
17) 2-Methylphenol	8.078	107	685698	41.110	ng	99
18) Hexachloroethane	8.725	117	317888	40.081	ng	98
19) n-Nitroso-di-n-propyla...	8.443	70	606891	42.611	ng	97
20) 3+4-Methylphenols	8.402	107	927767	39.983	ng	98
22) Acetophenone	8.455	105	1270454	40.818	ng	99
24) Nitrobenzene	8.825	77	864798	41.489	ng	100
25) Isophorone	9.360	82	1745149	41.300	ng	100
26) 2-Nitrophenol	9.531	139	304900	40.201	ng	97
27) 2,4-Dimethylphenol	9.602	122	707520	39.817	ng	99
28) bis(2-Chloroethoxy)met...	9.831	93	1086823	40.812	ng	99
29) 2,4-Dichlorophenol	10.072	162	759262	40.468	ng	99
30) 1,2,4-Trichlorobenzene	10.290	180	826394	40.524	ng	98
31) Naphthalene	10.472	128	2708813	40.363	ng	100
32) Benzoic acid	9.719	122	406842	40.287	ng	99
33) 4-Chloroaniline	10.572	127	1059245	41.073	ng	100
34) Hexachlorobutadiene	10.772	225	510044	39.358	ng	100
35) Caprolactam	11.343	113	266312	40.420	ng	96
36) 4-Chloro-3-methylphenol	11.713	107	820348	41.710	ng	96
37) 2-Methylnaphthalene	12.101	142	1883967	40.108	ng	99
38) 1-Methylnaphthalene	12.319	142	1853656	40.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.472	216	947227	39.533	ng	100
41) Hexachlorocyclopentadiene	12.460	237	357331	40.760	ng	96
43) 2,4,6-Trichlorophenol	12.707	196	587266	41.466	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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

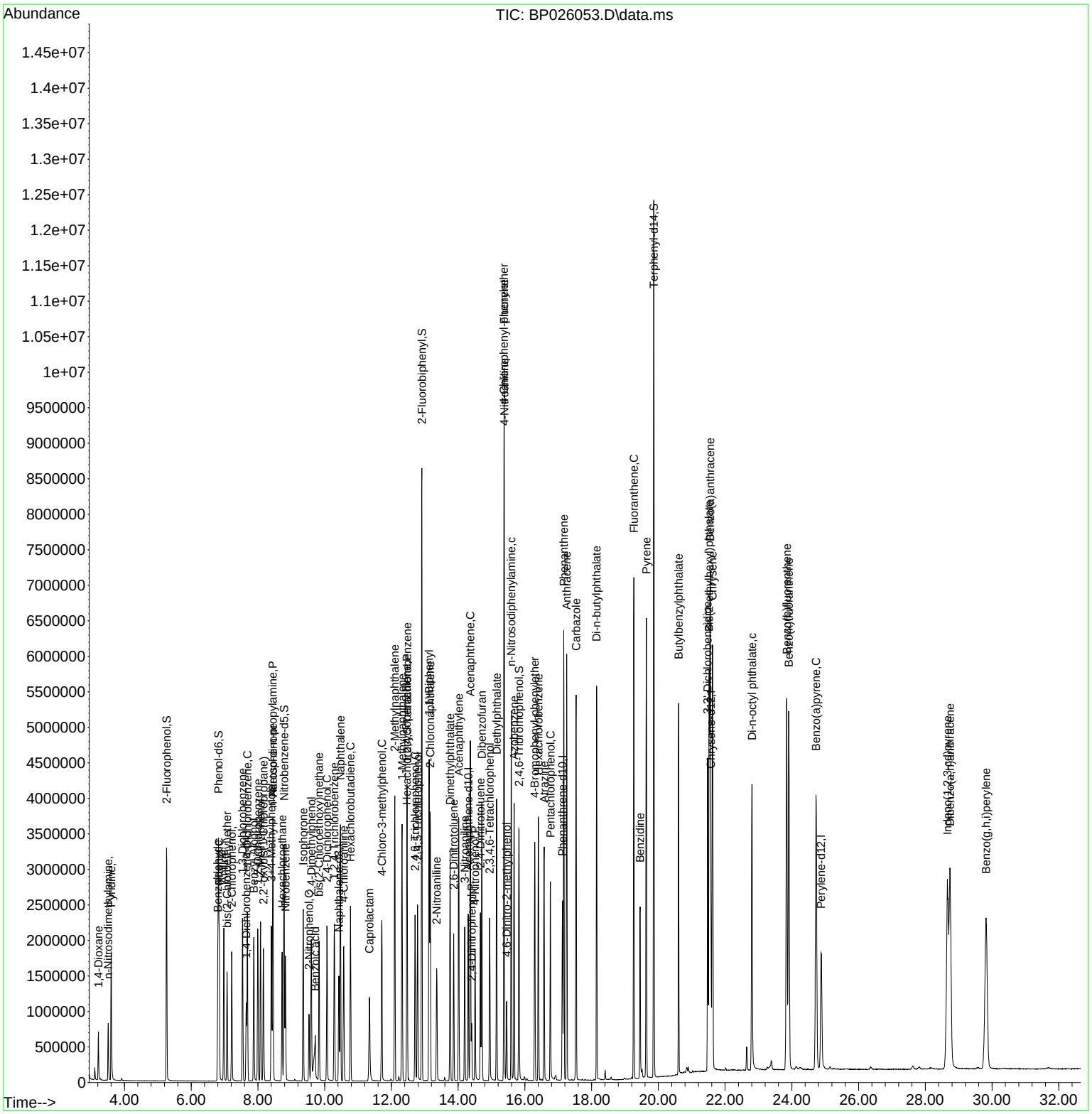
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.784	196	673132	41.653	ng		97
46) 1,1'-Biphenyl	13.131	154	2403856	40.711	ng		99
47) 2-Chloronaphthalene	13.160	162	1870666	40.266	ng		99
48) 2-Nitroaniline	13.354	65	459878	39.043	ng		97
49) Acenaphthylene	14.019	152	2778493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

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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



Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.04
2		1,4-Dioxane	0.511	0.528	-3.3	104	-0.02
3		Pyridine	1.453	1.514	-4.2	104	-0.02
4		n-Nitrosodimethylamine	0.582	0.600	-3.1	104	-0.02
5	S	2-Fluorophenol	1.212	1.217	-0.4	99	-0.04
6		Aniline	2.059	2.110	-2.5	101	-0.04
7	S	Phenol-d6	1.543	1.579	-2.3	100	-0.04
8		2-Chlorophenol	1.342	1.364	-1.6	99	-0.04
9		Benzaldehyde	0.802	0.703	12.3	88	-0.04
10	C	Phenol	1.713	1.731	-1.1	99	-0.04
11		bis(2-Chloroethyl)ether	1.352	1.405	-3.9	104	-0.05
12		1,3-Dichlorobenzene	1.541	1.590	-3.2	103	-0.04
13	C	1,4-Dichlorobenzene	1.558	1.596	-2.4	103	-0.04
14		1,2-Dichlorobenzene	1.487	1.515	-1.9	102	-0.04
15		Benzyl Alcohol	1.112	1.108	0.4	99	-0.04
16		2,2'-oxybis(1-Chloropropane	2.043	2.143	-4.9	104	-0.04
17		2-Methylphenol	1.121	1.153	-2.9	100	-0.04
18		Hexachloroethane	0.533	0.534	-0.2	98	-0.04
19	P	n-Nitroso-di-n-propylamine	0.958	1.020	-6.5	101	-0.05
20		3+4-Methylphenols	1.560	1.560	0.0	98	-0.04
21	I	Naphthalene-d8	1.000	1.000	0.0	102	-0.03
22		Acetophenone	0.506	0.516	-2.0	102	-0.04
23	S	Nitrobenzene-d5	0.321	0.336	-4.7	102	-0.04
24		Nitrobenzene	0.339	0.351	-3.5	101	-0.04
25		Isophorone	0.687	0.709	-3.2	101	-0.03
26	C	2-Nitrophenol	0.104	0.124	-19.2	99	-0.04
27		2,4-Dimethylphenol	0.289	0.287	0.7	97	-0.03
28		bis(2-Chloroethoxy)methane	0.433	0.442	-2.1	101	-0.04
29	C	2,4-Dichlorophenol	0.305	0.308	-1.0	96	-0.02
30		1,2,4-Trichlorobenzene	0.331	0.336	-1.5	101	-0.03
31		Naphthalene	1.091	1.101	-0.9	101	-0.03
32		Benzoic acid	0.163	0.165	-1.2	101	-0.06
33		4-Chloroaniline	0.419	0.430	-2.6	101	-0.02
34	C	Hexachlorobutadiene	0.211	0.207	1.9	98	-0.02
35		Caprolactam	0.107	0.108	-0.9	98	-0.04
36	C	4-Chloro-3-methylphenol	0.320	0.333	-4.1	99	-0.02
37		2-Methylnaphthalene	0.763	0.765	-0.3	98	-0.01
38		1-Methylnaphthalene	0.742	0.753	-1.5	100	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.621	0.614	1.1	98	-0.02
41	P	Hexachlorocyclopentadiene	0.227	0.232	-2.2	99	-0.02
42	S	2,4,6-Tribromophenol	0.216	0.215	0.5	92	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.381	-3.8	96	-0.02
44		2,4,5-Trichlorophenol	0.419	0.436	-4.1	97	-0.01
45	S	2-Fluorobiphenyl	1.392	1.389	0.2	99	-0.02
46		1,1'-Biphenyl	1.531	1.559	-1.8	101	0.00
47		2-Chloronaphthalene	1.205	1.213	-0.7	100	-0.01

Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.272	0.298	-9.6	99	-0.02
49		Acenaphthylene	1.756	1.802	-2.6	99	-0.02
50		Dimethylphthalate	1.455	1.469	-1.0	97	-0.01
51		2,6-Dinitrotoluene	0.237	0.261	-10.1	100	-0.01
52	C	Acenaphthene	1.206	1.235	-2.4	100	-0.02
53		3-Nitroaniline	0.291	0.328	-12.7	102	-0.01
54	P	2,4-Dinitrophenol	0.100	0.115	-15.0	115	-0.01
55		Dibenzofuran	1.822	1.828	-0.3	99	-0.02
56	P	4-Nitrophenol	0.290	0.277	4.5	98	-0.01
57		2,4-Dinitrotoluene	0.347	0.392	-13.0	101	-0.01
58		Fluorene	1.427	1.458	-2.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.330	0.342	-3.6	95	-0.01
60		Diethylphthalate	1.463	1.489	-1.8	97	-0.01
61		4-Chlorophenyl-phenylether	0.713	0.723	-1.4	100	-0.02
62		4-Nitroaniline	0.311	0.349	-12.2	103	-0.02
63		Azobenzene	1.325	1.373	-3.6	100	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.077	0.083	-7.8	108	0.00
66	c	n-Nitrosodiphenylamine	0.625	0.635	-1.6	98	-0.01
67		4-Bromophenyl-phenylether	0.222	0.225	-1.4	98	0.00
68		Hexachlorobenzene	0.253	0.250	1.2	97	-0.01
69		Atrazine	0.211	0.209	0.9	95	0.00
70	C	Pentachlorophenol	0.154	0.151	1.9	94	0.00
71		Phenanthrene	1.164	1.162	0.2	98	0.00
72		Anthracene	1.154	1.174	-1.7	100	0.00
73		Carbazole	1.092	1.126	-3.1	99	0.00
74		Di-n-butylphthalate	1.222	1.248	-2.1	93	0.00
75	C	Fluoranthene	1.358	1.380	-1.6	98	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.508	0.439	13.6	83	0.00
78		Pyrene	1.353	1.388	-2.6	95	0.00
79	S	Terphenyl-d14	0.984	1.002	-1.8	97	0.00
80		Butylbenzylphthalate	0.432	0.480	-11.1	95	0.00
81		Benzo(a)anthracene	1.374	1.402	-2.0	97	0.00
82		3,3'-Dichlorobenzidine	0.443	0.455	-2.7	97	0.00
83		Chrysene	1.302	1.324	-1.7	96	0.00
84		Bis(2-ethylhexyl)phthalate	0.718	0.765	-6.5	90	0.00
85	c	Di-n-octyl phthalate	1.191	1.230	-3.3	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	1.477	1.531	-3.7	98	0.00
88		Benzo(b)fluoranthene	1.242	1.277	-2.8	98	0.00
89		Benzo(k)fluoranthene	1.268	1.281	-1.0	96	-0.02
90	C	Benzo(a)pyrene	1.141	1.181	-3.5	98	-0.02
91		Dibenzo(a,h)anthracene	1.202	1.240	-3.2	98	0.00
92		Benzo(g,h,i)perylene	1.156	1.186	-2.6	98	-0.01

Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	-0.04
2		1,4-Dioxane	40.000	41.352	-3.4	104	-0.02
3		Pyridine	40.000	41.689	-4.2	104	-0.02
4		n-Nitrosodimethylamine	40.000	41.206	-3.0	104	-0.02
5	S	2-Fluorophenol	80.000	80.308	-0.4	99	-0.04
6		Aniline	40.000	40.993	-2.5	101	-0.04
7	S	Phenol-d6	80.000	81.899	-2.4	100	-0.04
8		2-Chlorophenol	40.000	40.660	-1.6	99	-0.04
9		Benzaldehyde	40.000	35.040	12.4	88	-0.04
10	C	Phenol	40.000	40.428	-1.1	99	-0.04
11		bis(2-Chloroethyl)ether	40.000	41.591	-4.0	104	-0.05
12		1,3-Dichlorobenzene	40.000	41.262	-3.2	103	-0.04
13	C	1,4-Dichlorobenzene	40.000	40.972	-2.4	103	-0.04
14		1,2-Dichlorobenzene	40.000	40.763	-1.9	102	-0.04
15		Benzyl Alcohol	40.000	39.842	0.4	99	-0.04
16		2,2'-oxybis(1-Chloropropane	40.000	41.963	-4.9	104	-0.04
17		2-Methylphenol	40.000	41.110	-2.8	100	-0.04
18		Hexachloroethane	40.000	40.081	-0.2	98	-0.04
19	P	n-Nitroso-di-n-propylamine	40.000	42.611	-6.5	101	-0.05
20		3+4-Methylphenols	40.000	39.983	0.0	98	-0.04
21	I	Naphthalene-d8	20.000	20.000	0.0	102	-0.03
22		Acetophenone	40.000	40.818	-2.0	102	-0.04
23	S	Nitrobenzene-d5	80.000	83.864	-4.8	102	-0.04
24		Nitrobenzene	40.000	41.489	-3.7	101	-0.04
25		Isophorone	40.000	41.300	-3.2	101	-0.03
26	C	2-Nitrophenol	40.000	40.201	-0.5	99	-0.04
27		2,4-Dimethylphenol	40.000	39.817	0.5	97	-0.03
28		bis(2-Chloroethoxy)methane	40.000	40.812	-2.0	101	-0.04
29	C	2,4-Dichlorophenol	40.000	40.468	-1.2	96	-0.02
30		1,2,4-Trichlorobenzene	40.000	40.524	-1.3	101	-0.03
31		Naphthalene	40.000	40.363	-0.9	101	-0.03
32		Benzoic acid	40.000	40.287	-0.7	101	-0.06
33		4-Chloroaniline	40.000	41.073	-2.7	101	-0.02
34	C	Hexachlorobutadiene	40.000	39.358	1.6	98	-0.02
35		Caprolactam	40.000	40.420	-1.1	98	-0.04
36	C	4-Chloro-3-methylphenol	40.000	41.710	-4.3	99	-0.02
37		2-Methylnaphthalene	40.000	40.108	-0.3	98	-0.01
38		1-Methylnaphthalene	40.000	40.621	-1.6	100	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	39.533	1.2	98	-0.02
41	P	Hexachlorocyclopentadiene	40.000	40.760	-1.9	99	-0.02
42	S	2,4,6-Tribromophenol	80.000	79.671	0.4	92	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.466	-3.7	96	-0.02
44		2,4,5-Trichlorophenol	40.000	41.653	-4.1	97	-0.01
45	S	2-Fluorobiphenyl	80.000	79.809	0.2	99	-0.02
46		1,1'-Biphenyl	40.000	40.711	-1.8	101	0.00
47		2-Chloronaphthalene	40.000	40.266	-0.7	100	-0.01

Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.043	2.4	99	-0.02
49		Acenaphthylene	40.000	41.034	-2.6	99	-0.02
50		Dimethylphthalate	40.000	40.386	-1.0	97	-0.01
51		2,6-Dinitrotoluene	40.000	39.047	2.4	100	-0.01
52	C	Acenaphthene	40.000	40.983	-2.5	100	-0.02
53		3-Nitroaniline	40.000	40.477	-1.2	102	-0.01
54	P	2,4-Dinitrophenol	40.000	44.809	-12.0	115	-0.01
55		Dibenzofuran	40.000	40.134	-0.3	99	-0.02
56	P	4-Nitrophenol	40.000	38.126	4.7	98	-0.01
57		2,4-Dinitrotoluene	40.000	39.858	0.4	101	-0.01
58		Fluorene	40.000	40.866	-2.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.453	-3.6	95	-0.01
60		Diethylphthalate	40.000	40.716	-1.8	97	-0.01
61		4-Chlorophenyl-phenylether	40.000	40.558	-1.4	100	-0.02
62		4-Nitroaniline	40.000	44.906	-12.3	103	-0.02
63		Azobenzene	40.000	41.428	-3.6	100	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.409	-6.0	108	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.607	-1.5	98	-0.01
67		4-Bromophenyl-phenylether	40.000	40.578	-1.4	98	0.00
68		Hexachlorobenzene	40.000	39.612	1.0	97	-0.01
69		Atrazine	40.000	39.638	0.9	95	0.00
70	C	Pentachlorophenol	40.000	39.104	2.2	94	0.00
71		Phenanthrene	40.000	39.938	0.2	98	0.00
72		Anthracene	40.000	40.679	-1.7	100	0.00
73		Carbazole	40.000	41.224	-3.1	99	0.00
74		Di-n-butylphthalate	40.000	40.829	-2.1	93	0.00
75	C	Fluoranthene	40.000	40.657	-1.6	98	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	34.567	13.6	83	0.00
78		Pyrene	40.000	41.056	-2.6	95	0.00
79	S	Terphenyl-d14	80.000	81.415	-1.8	97	0.00
80		Butylbenzylphthalate	40.000	38.689	3.3	95	0.00
81		Benzo(a)anthracene	40.000	40.804	-2.0	97	0.00
82		3,3'-Dichlorobenzidine	40.000	41.101	-2.8	97	0.00
83		Chrysene	40.000	40.679	-1.7	96	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.492	3.8	90	0.00
85	c	Di-n-octyl phthalate	40.000	41.324	-3.3	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.477	-3.7	98	0.00
88		Benzo(b)fluoranthene	40.000	41.128	-2.8	98	0.00
89		Benzo(k)fluoranthene	40.000	40.428	-1.1	96	-0.02
90	C	Benzo(a)pyrene	40.000	41.408	-3.5	98	-0.02
91		Dibenzo(a,h)anthracene	40.000	41.284	-3.2	98	0.00
92		Benzo(g,h,i)perylene	40.000	41.027	-2.6	98	-0.01

Sample Results: **BP026053.D**

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

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

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

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

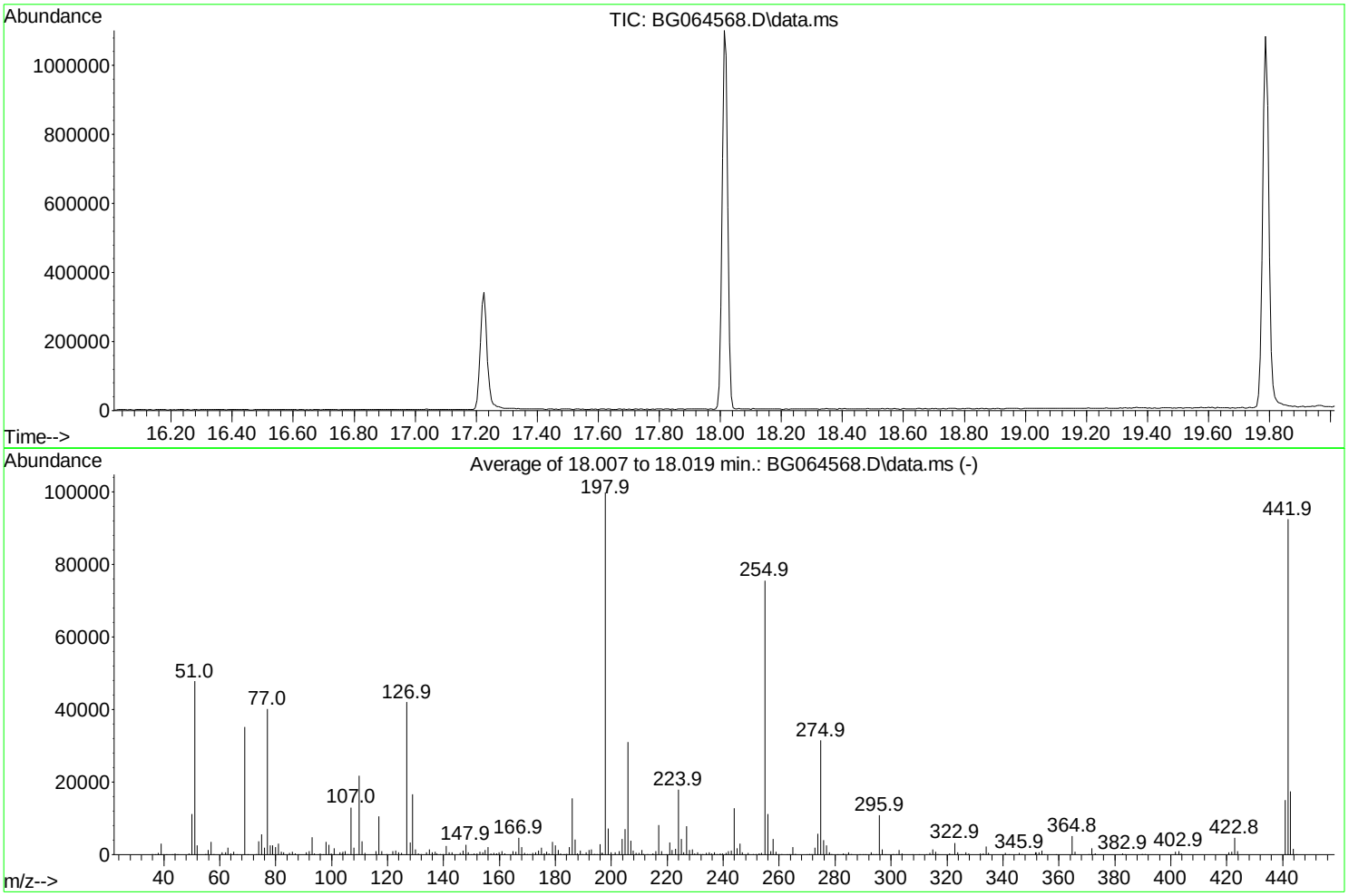
Sample Results: **BG064568.D**

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

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

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



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

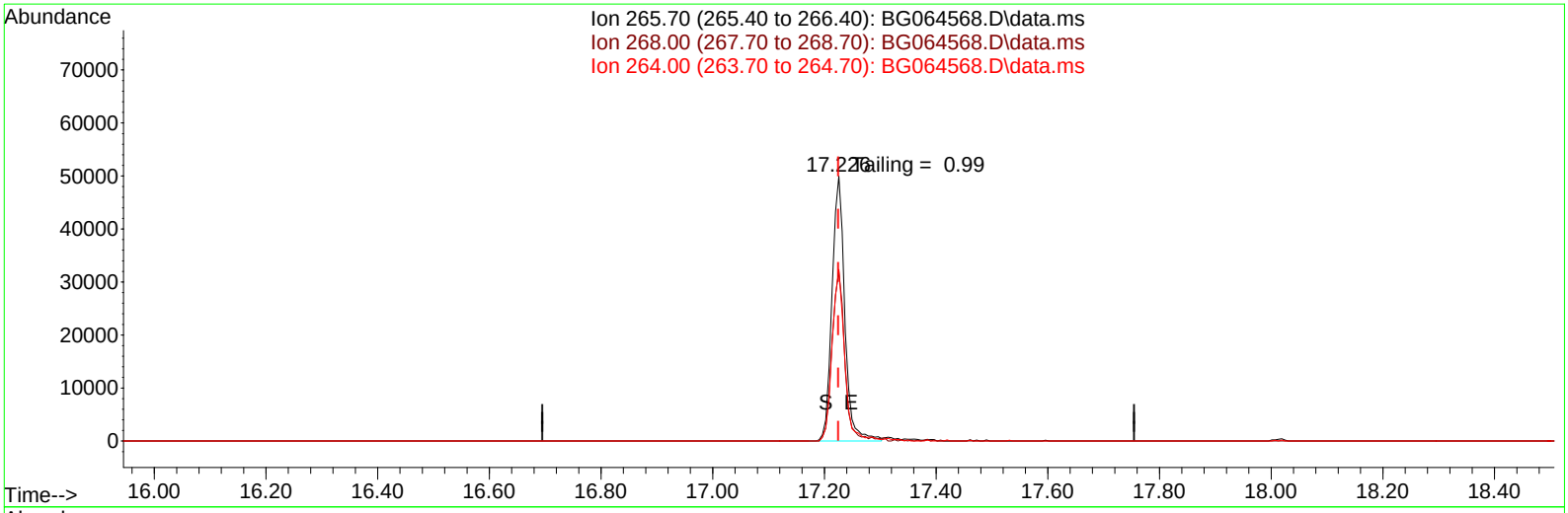
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3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

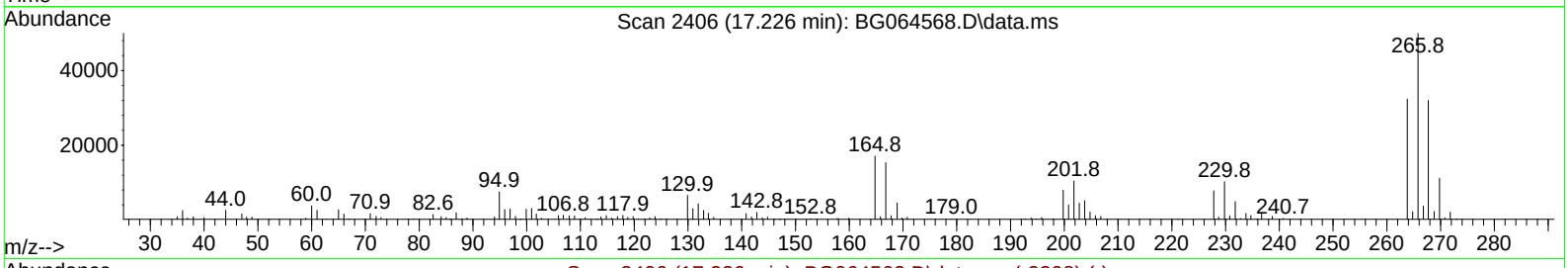
Sample Results: **BG064568.D**

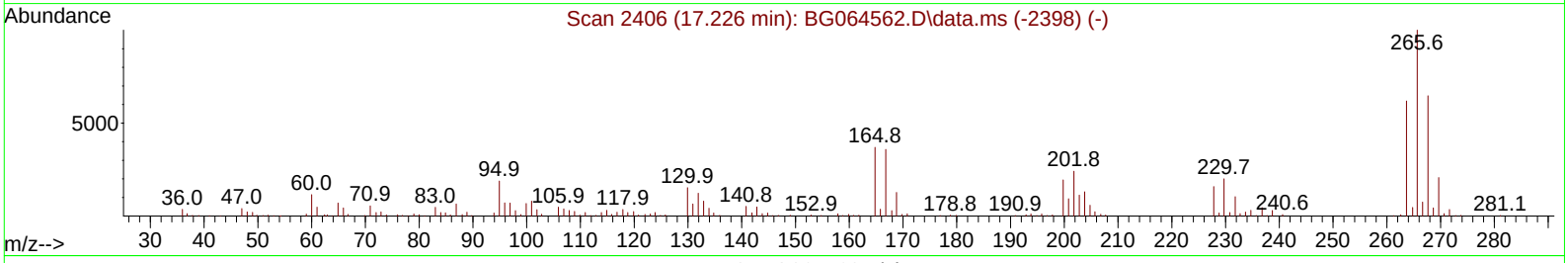
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

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







TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

response 79720

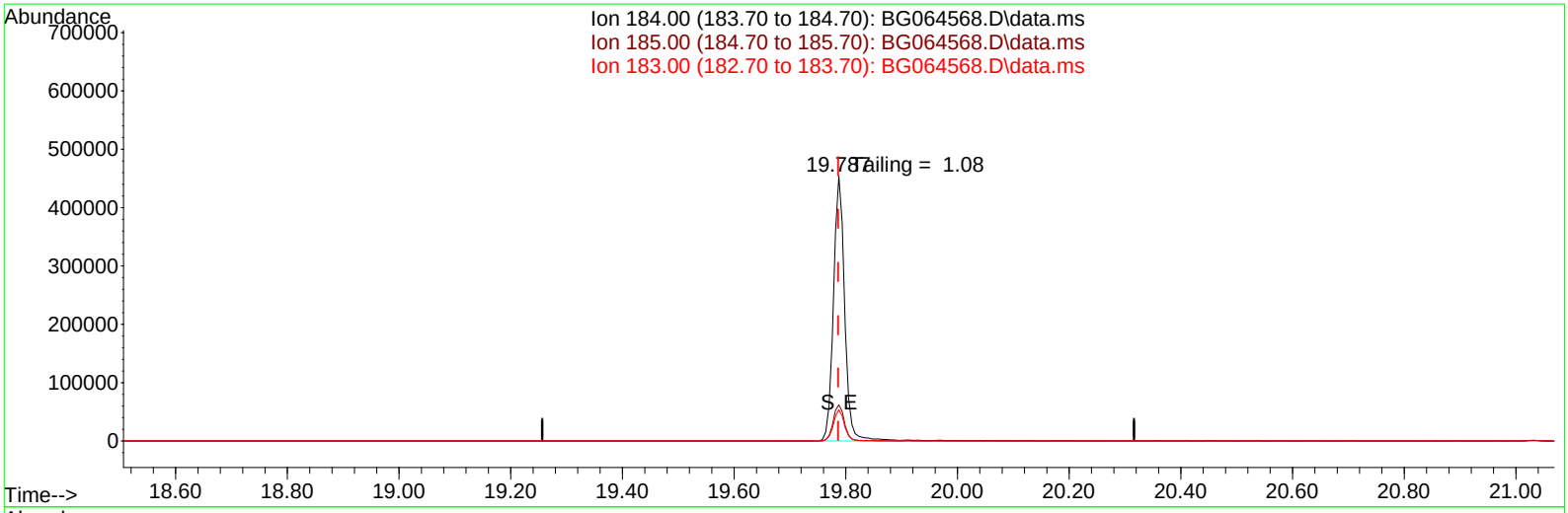
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

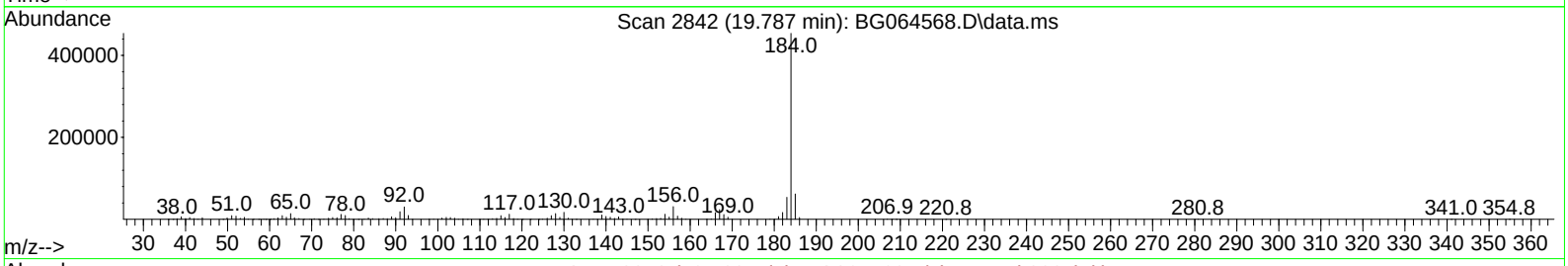
Sample Results: **BG064568.D**

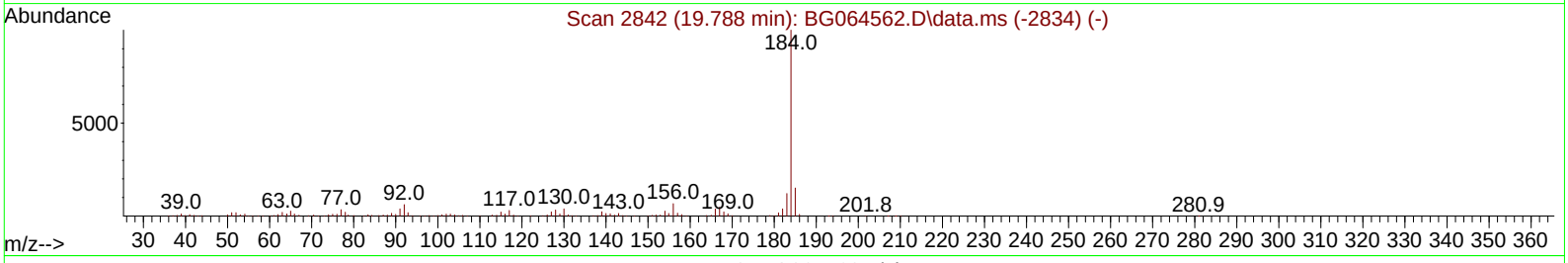
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

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







TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

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

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

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

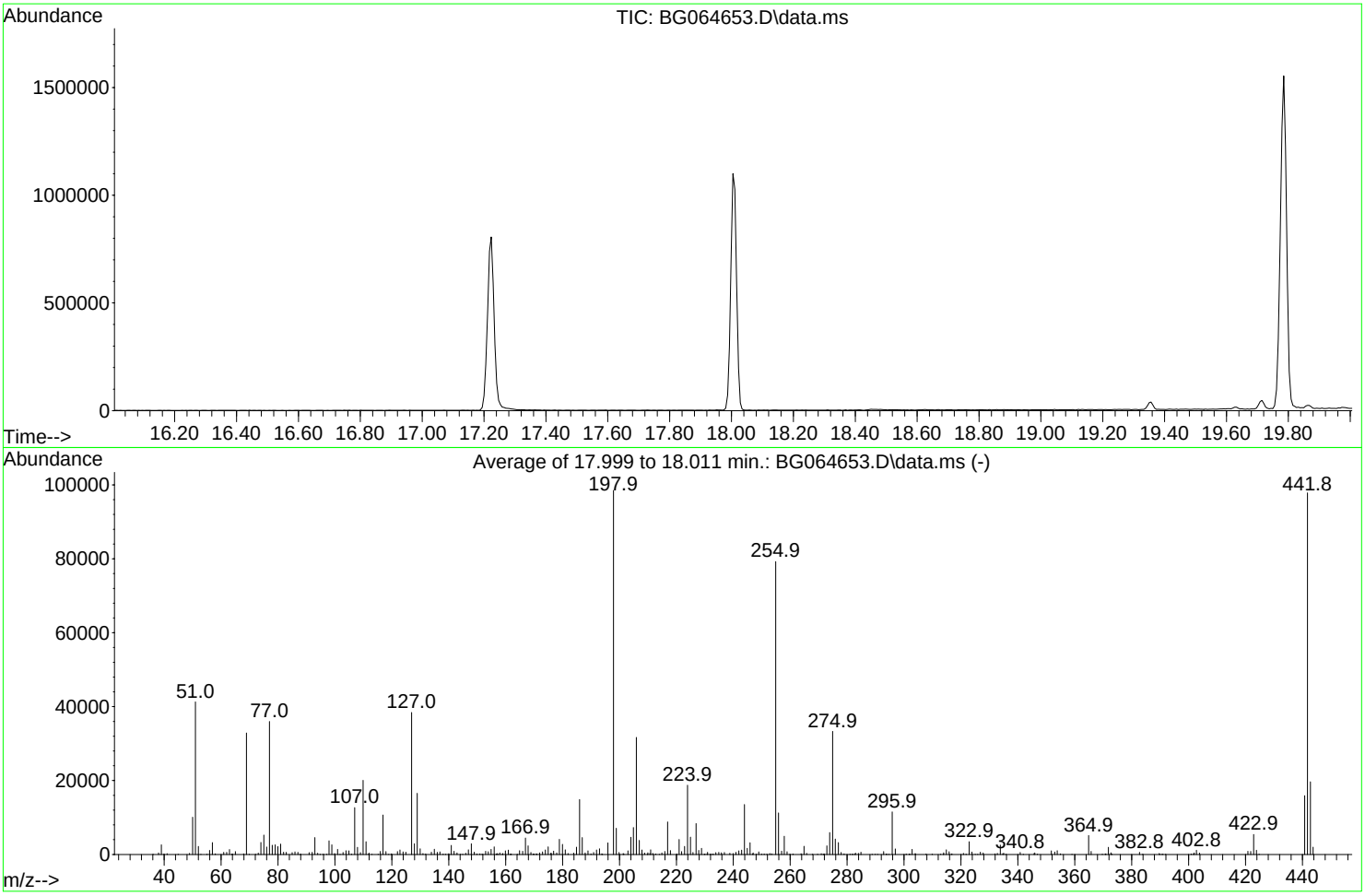
Sample Results: **BG064653.D**

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

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

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



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

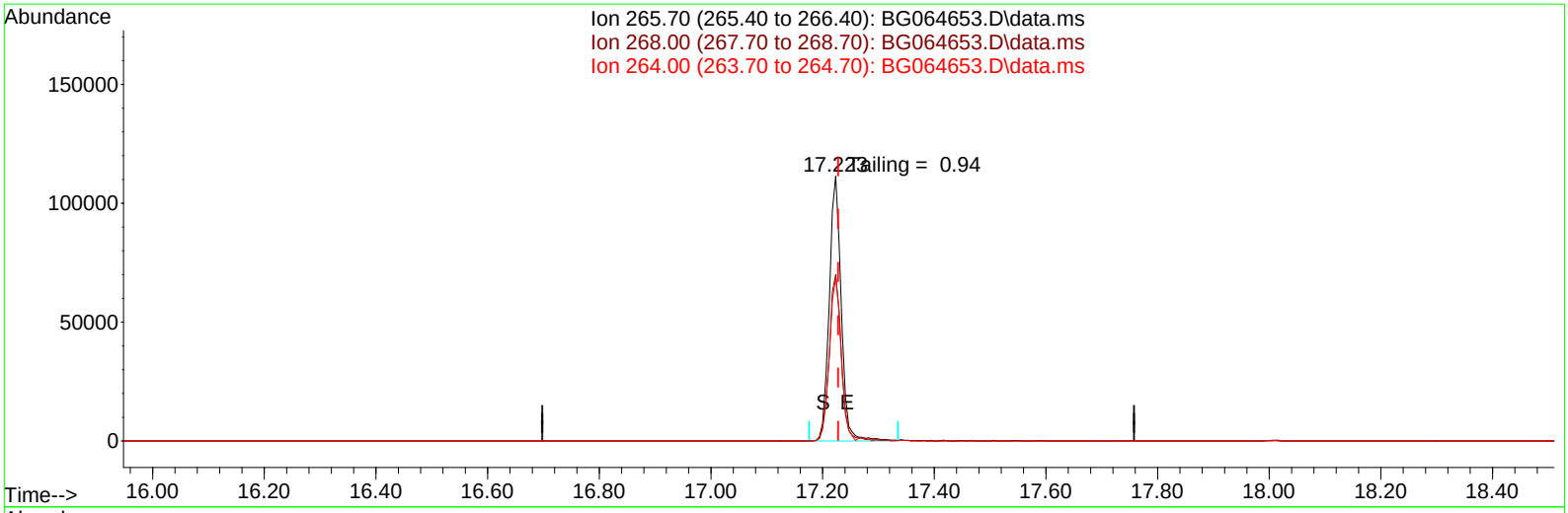
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.6	203	PASS
69	69	100	100	100.0	32859	PASS
70	69	0.00	2	0.2	60	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	98488	PASS
199	198	5	9	7.2	7105	PASS
365	198	1	100	5.2	5145	PASS
441	443	0.01	150	81.0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

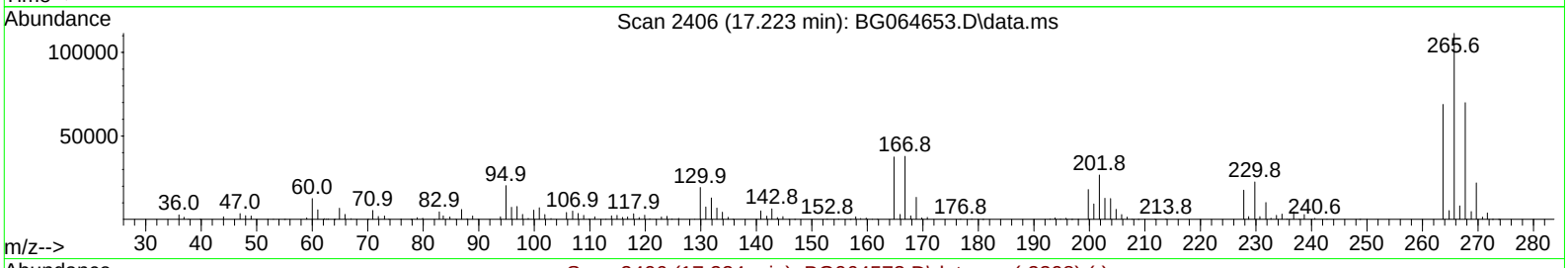
Sample Results: **BG064653.D**

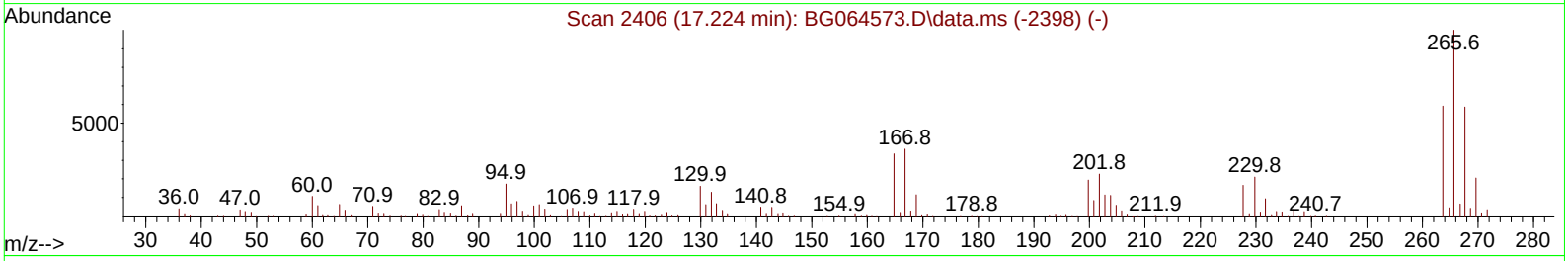
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

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







TIC: BG064653.D\data.ms

(70) Pentachlorophenol (C)

17.223min (-0.004) 30324.08 ng m

response 166681

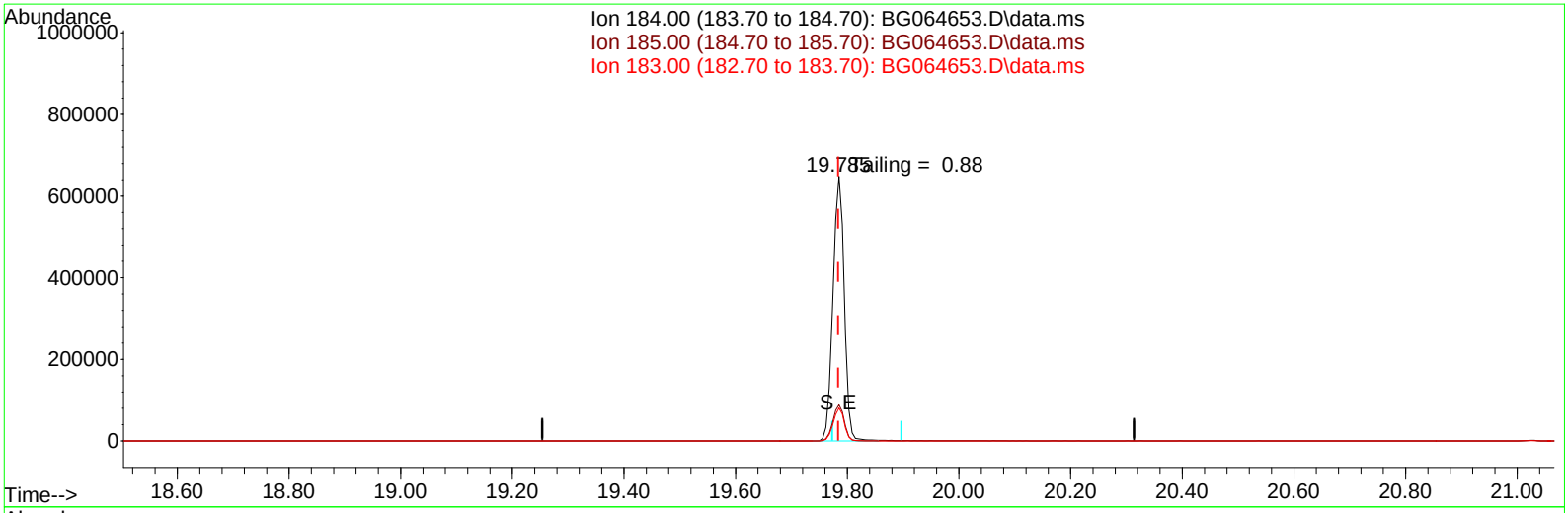
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	62.76
264.00	59.10	61.84
0.00	0.00	0.00

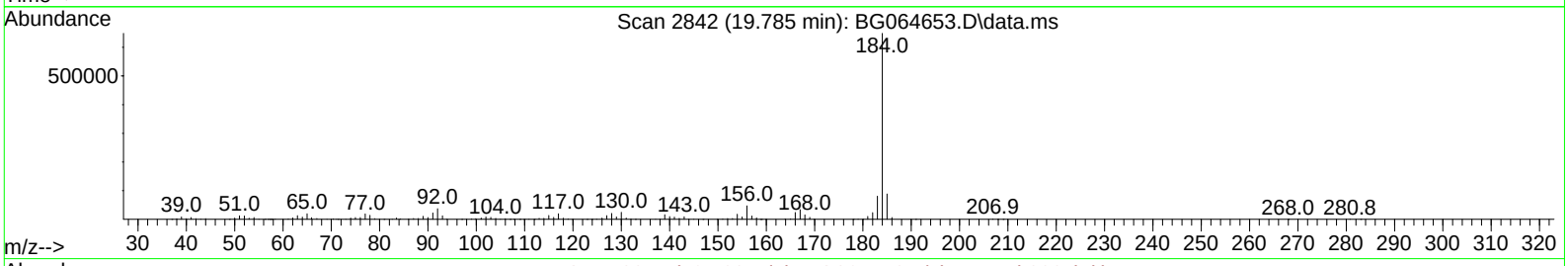
Sample Results: **BG064653.D**

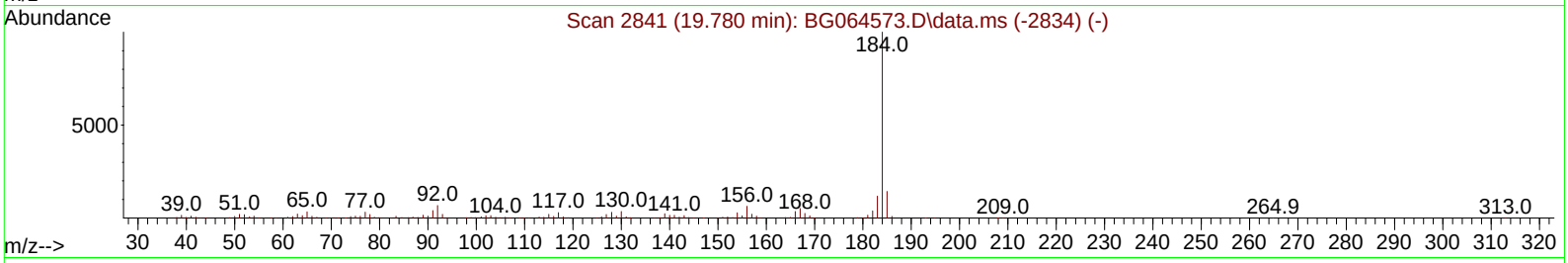
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103125\
Data File : BG064653.D
Acq On : 31 Oct 2025 12:42
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

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







TIC: BG064653.D\data.ms

(77) Benzidine

19.785min (+ 0.002) 516456.63 ng

response 740529

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

DDT Breakdown

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

Instrument :
BNA_G
ClientSampleId :
DFTPP

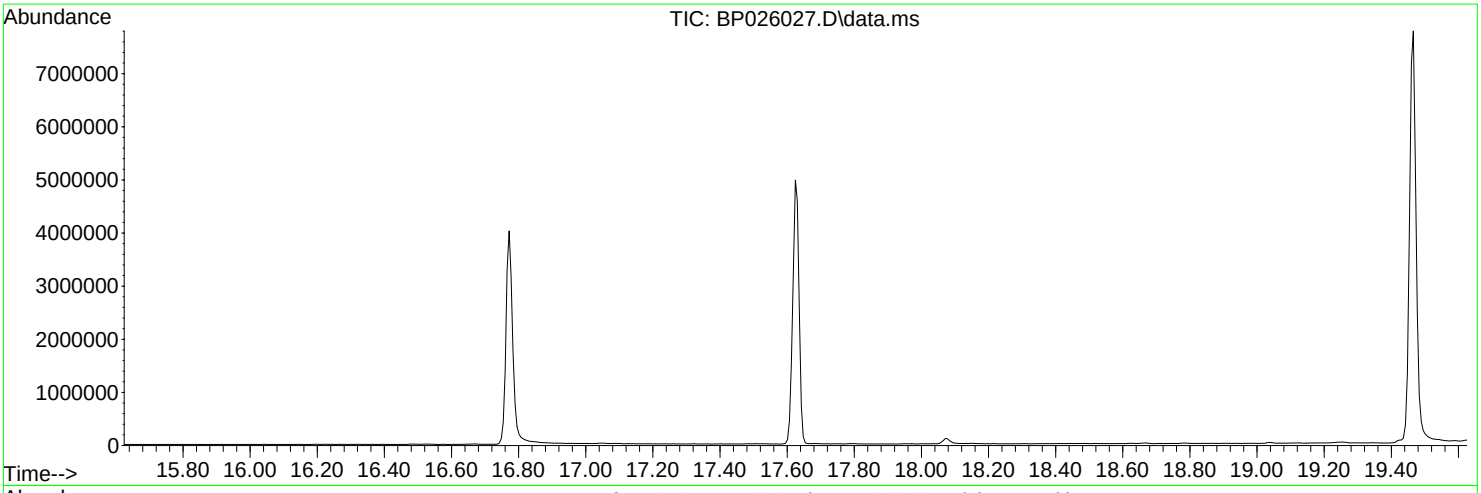
Sample Results: **BP026027.D**

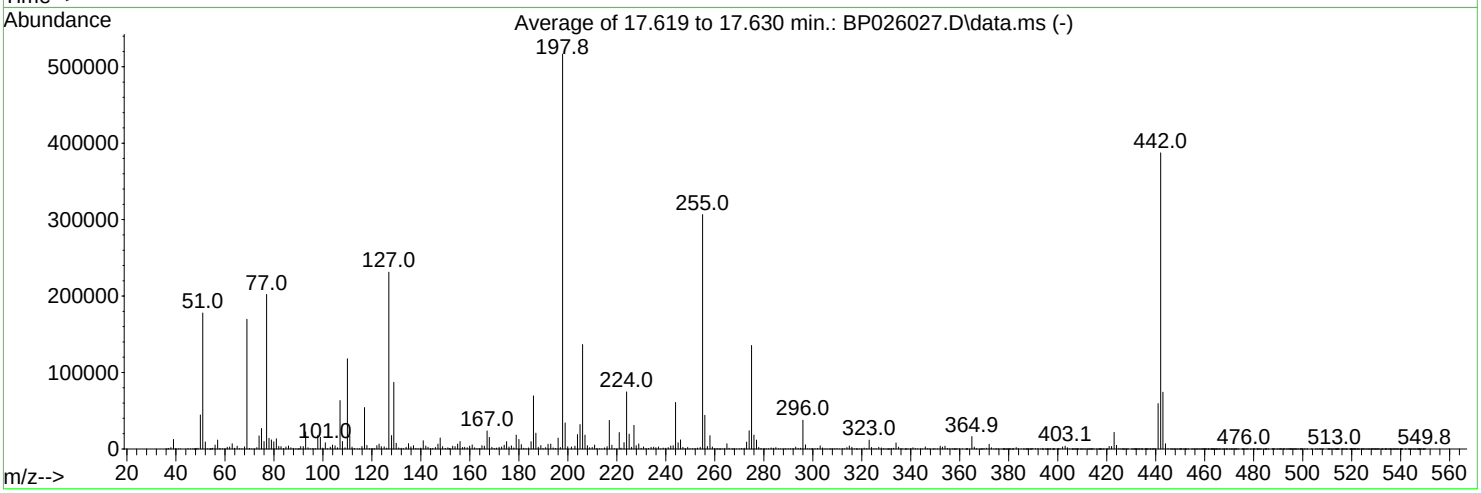
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

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





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

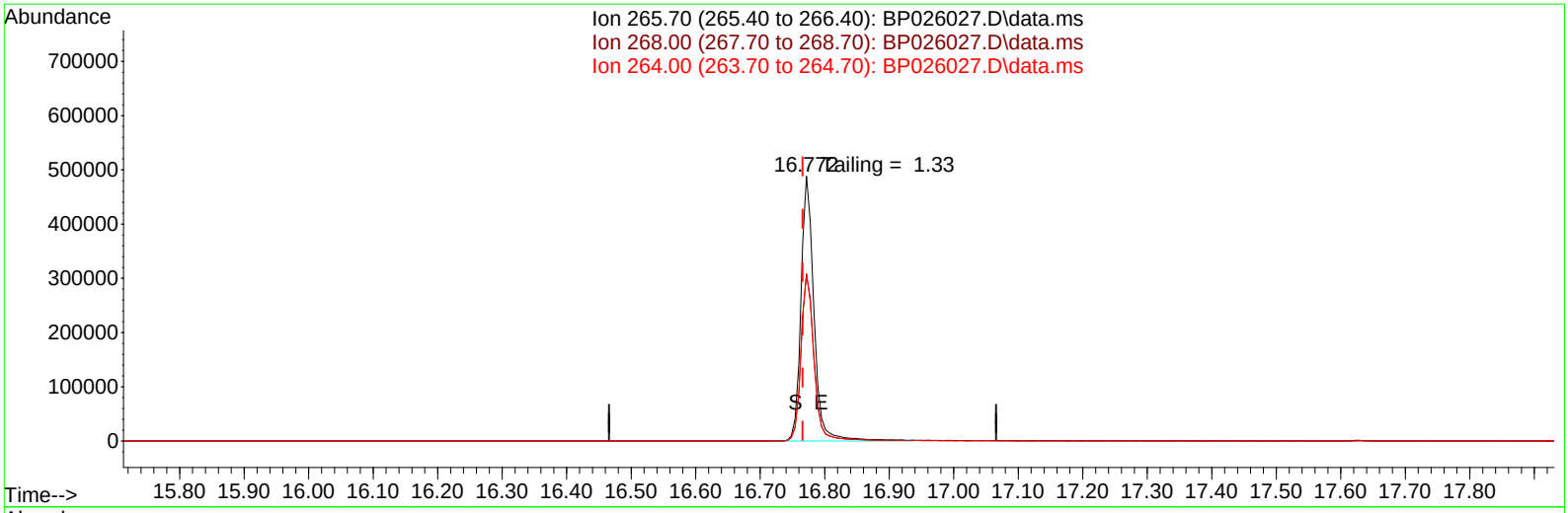
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2792	PASS
69	69	100	100	100.0	169765	PASS
70	69	0.00	2	0.4	752	PASS
197	198	0.00	2	0.4	1827	PASS
198	198	100	100	100.0	516572	PASS
199	198	5	9	6.6	34035	PASS
365	198	1	100	3.1	16180	PASS
441	443	0.01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

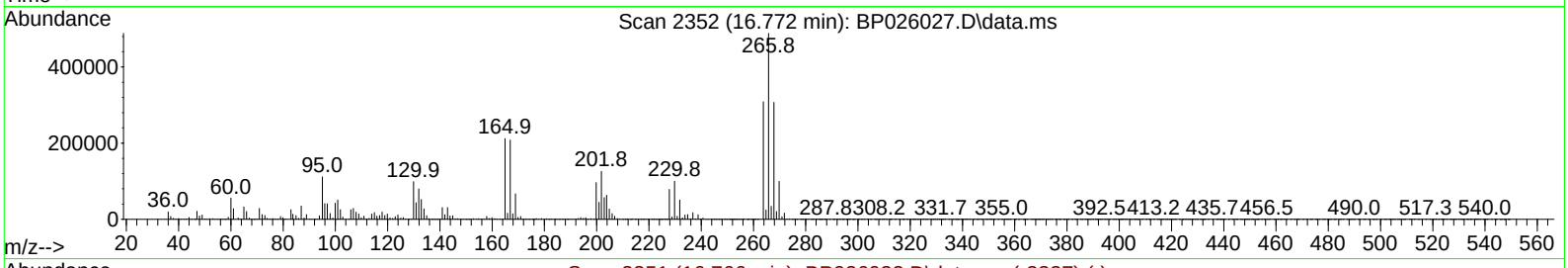
Sample Results: **BP026027.D**

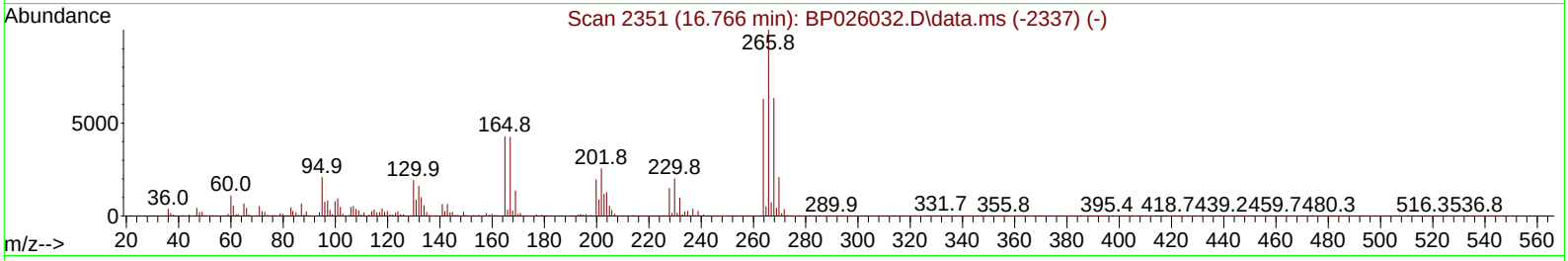
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

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







TIC: BP026027.D\data.ms

(70) Pentachlorophenol (C)

16.772min (+ 0.006) 52866.47 ng

response 688723

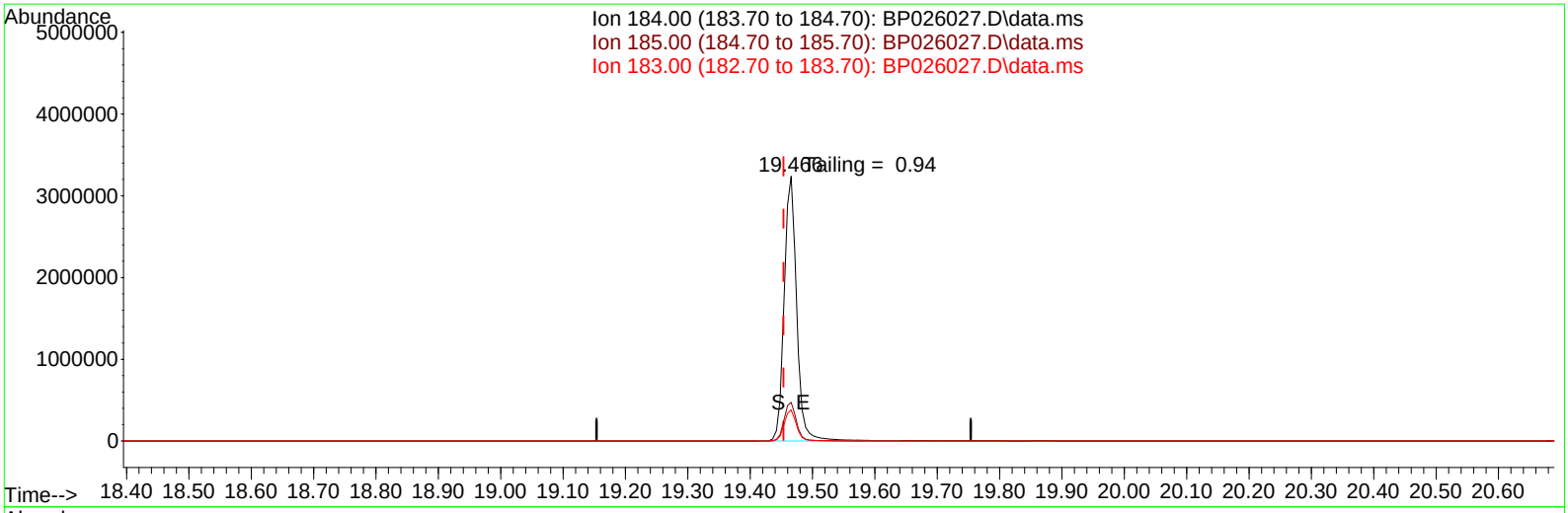
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	62.93
264.00	62.80	63.23
0.00	0.00	0.00

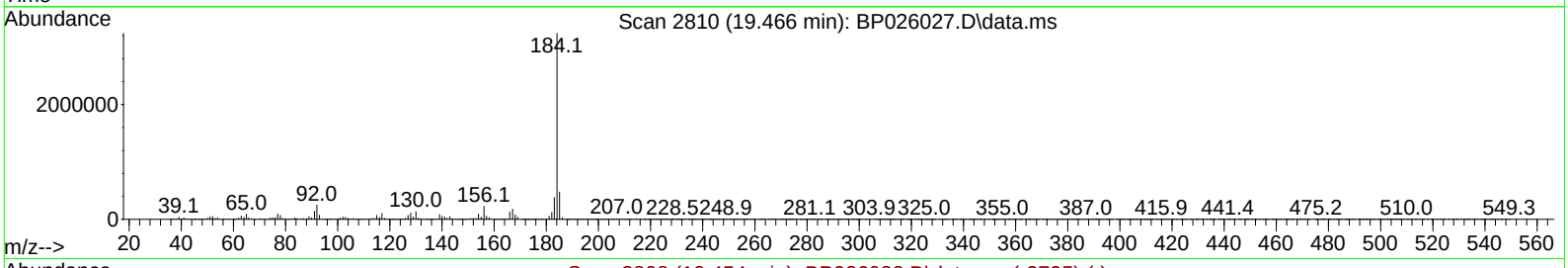
Sample Results: **BP026027.D**

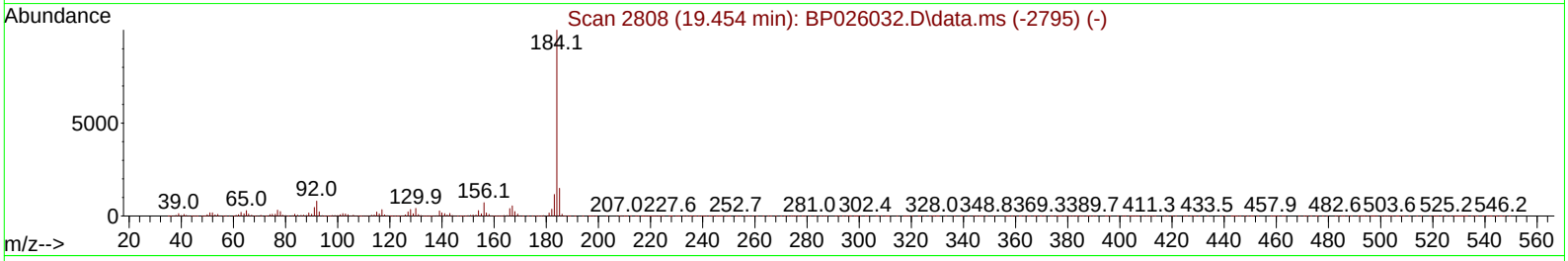
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102925\
Data File : BP026027.D
Acq On : 29 Oct 2025 08:45
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

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







TIC: BP026027.D\data.ms

(77) Benzidine

19.466min (+ 0.012) 16317.24 ng

response 4546390

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

DDT Breakdown

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

Instrument :
BNA_P
ClientSampleId :
DFTPP

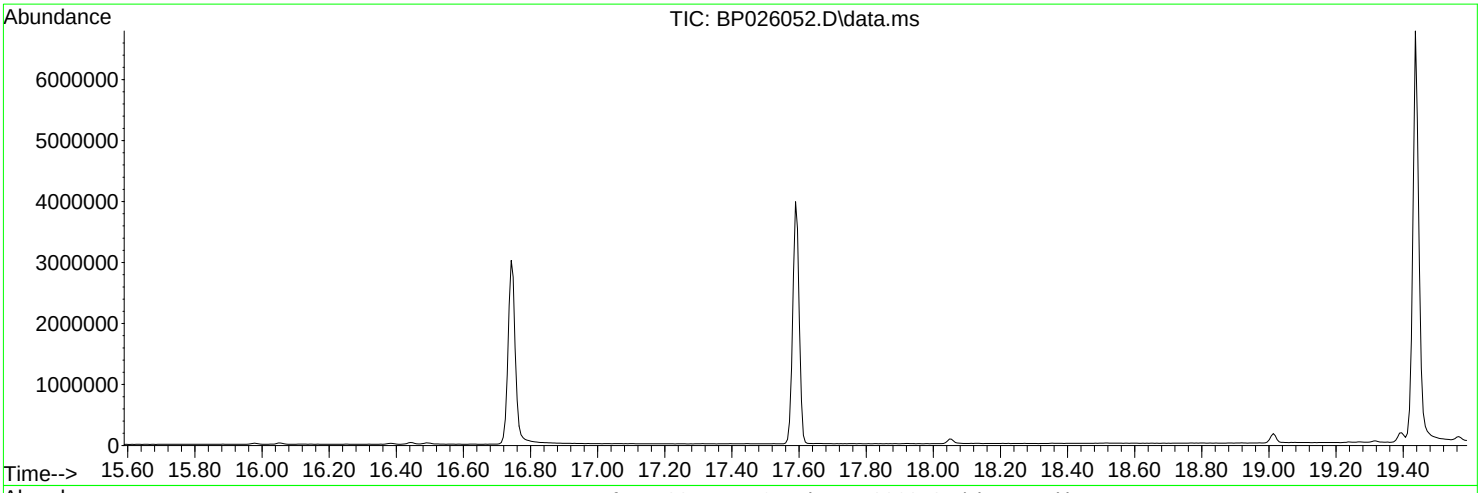
Sample Results: **BP026052.D**

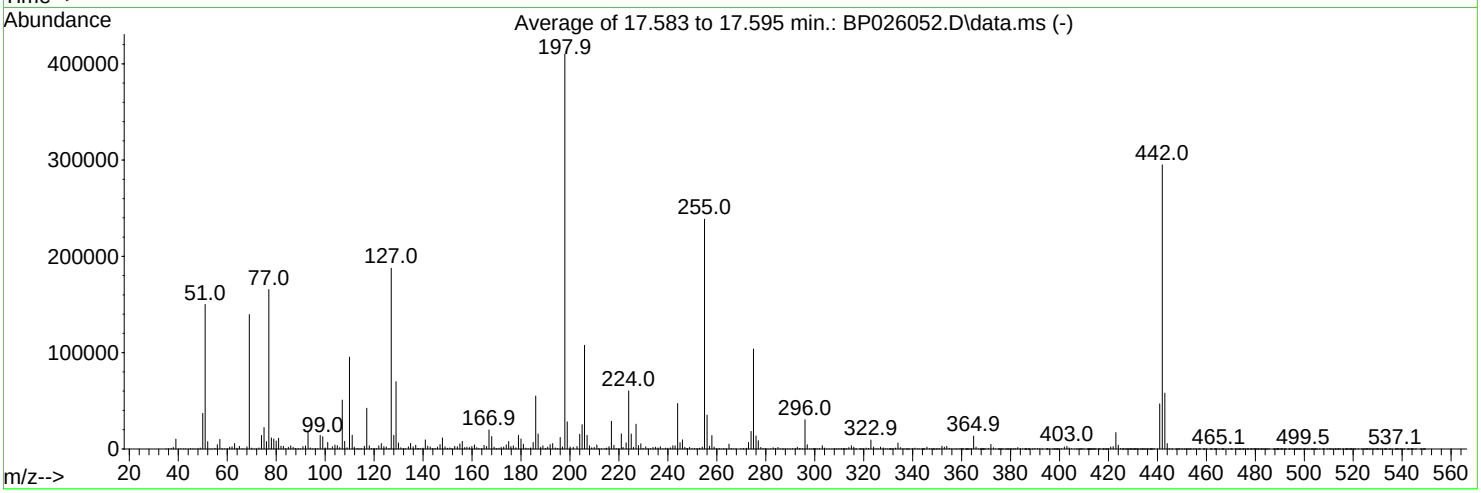
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

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





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

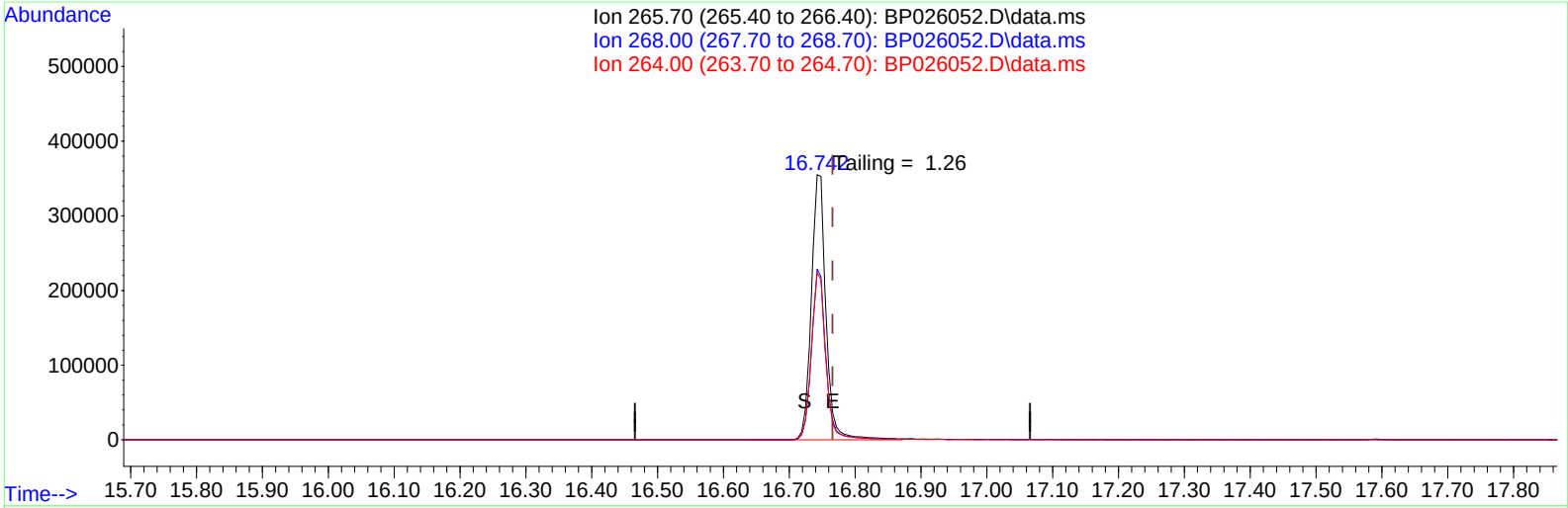
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	2201	PASS
69	69	100	100	100.0	139597	PASS
70	69	0.00	2	0.6	886	PASS
197	198	0.00	2	0.5	2141	PASS
198	198	100	100	100.0	410085	PASS
199	198	5	9	6.9	28183	PASS
365	198	1	100	3.3	13331	PASS
441	443	0.01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

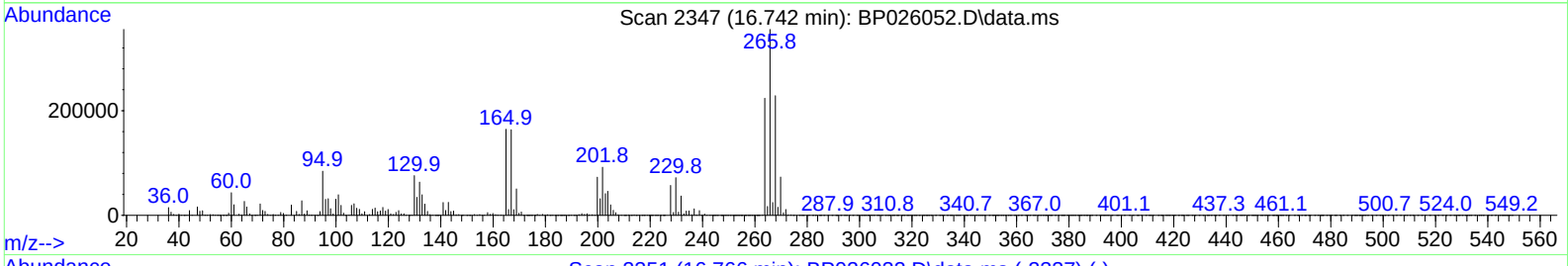
Sample Results: **BP026052.D**

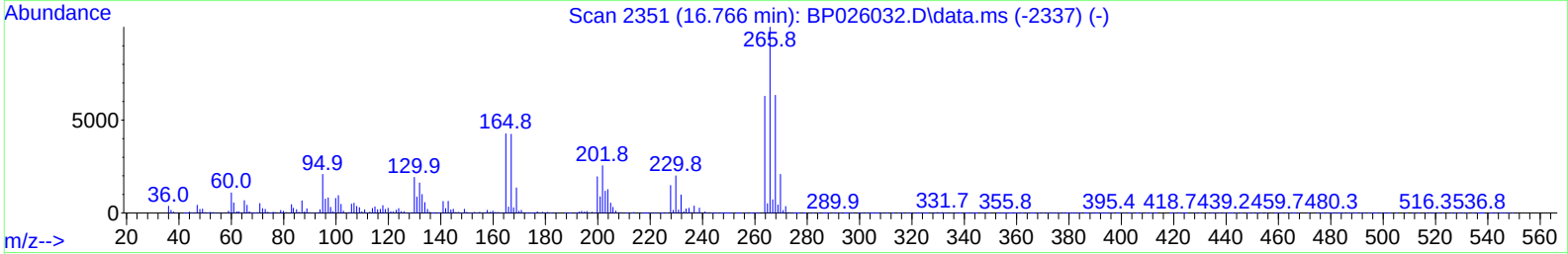
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

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







TIC: BP026052.D\data.ms

(70) Pentachlorophenol (C)

16.742min (-0.023) 2966656.68 ng

response 549178

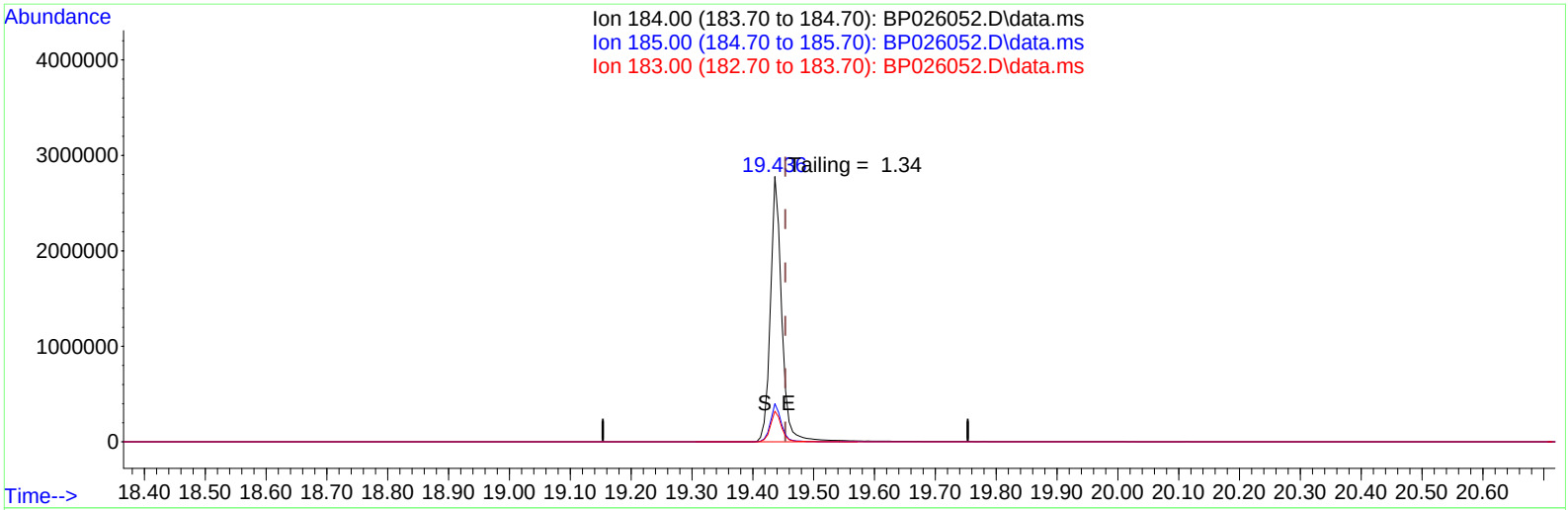
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	64.31
264.00	62.80	62.98
0.00	0.00	0.00

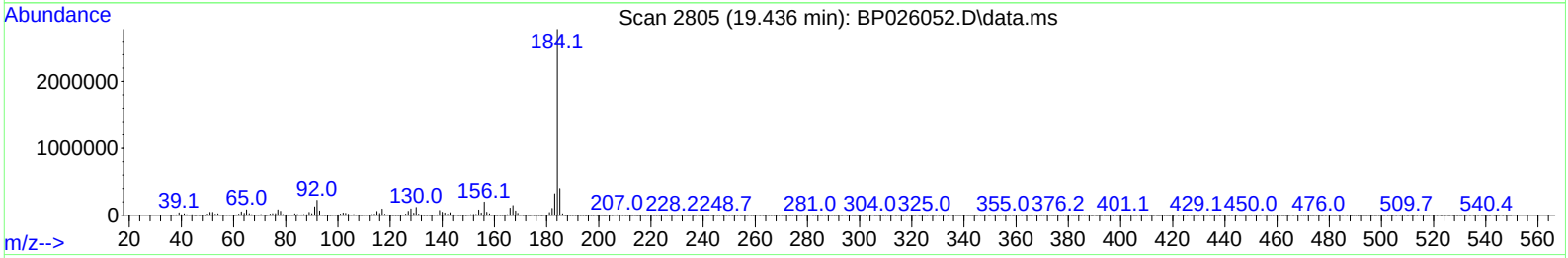
Sample Results: **BP026052.D**

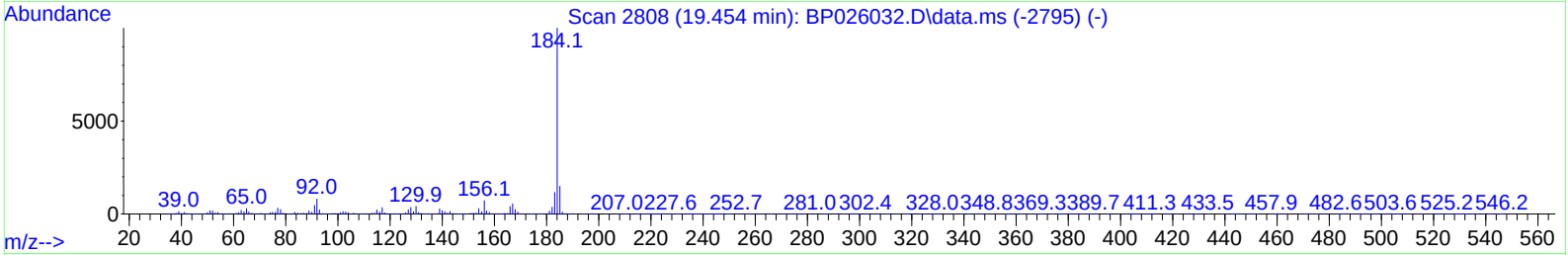
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026052.D
Acq On : 03 Nov 2025 10:08
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

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







TIC: BP026052.D\data.ms

(77) Benzidine

19.436min (-0.017) 1459112.87 ng

response 3666573

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

DDT Breakdown

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

Instrument :
BNA_P
ClientSampleId :
DFTPP

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

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

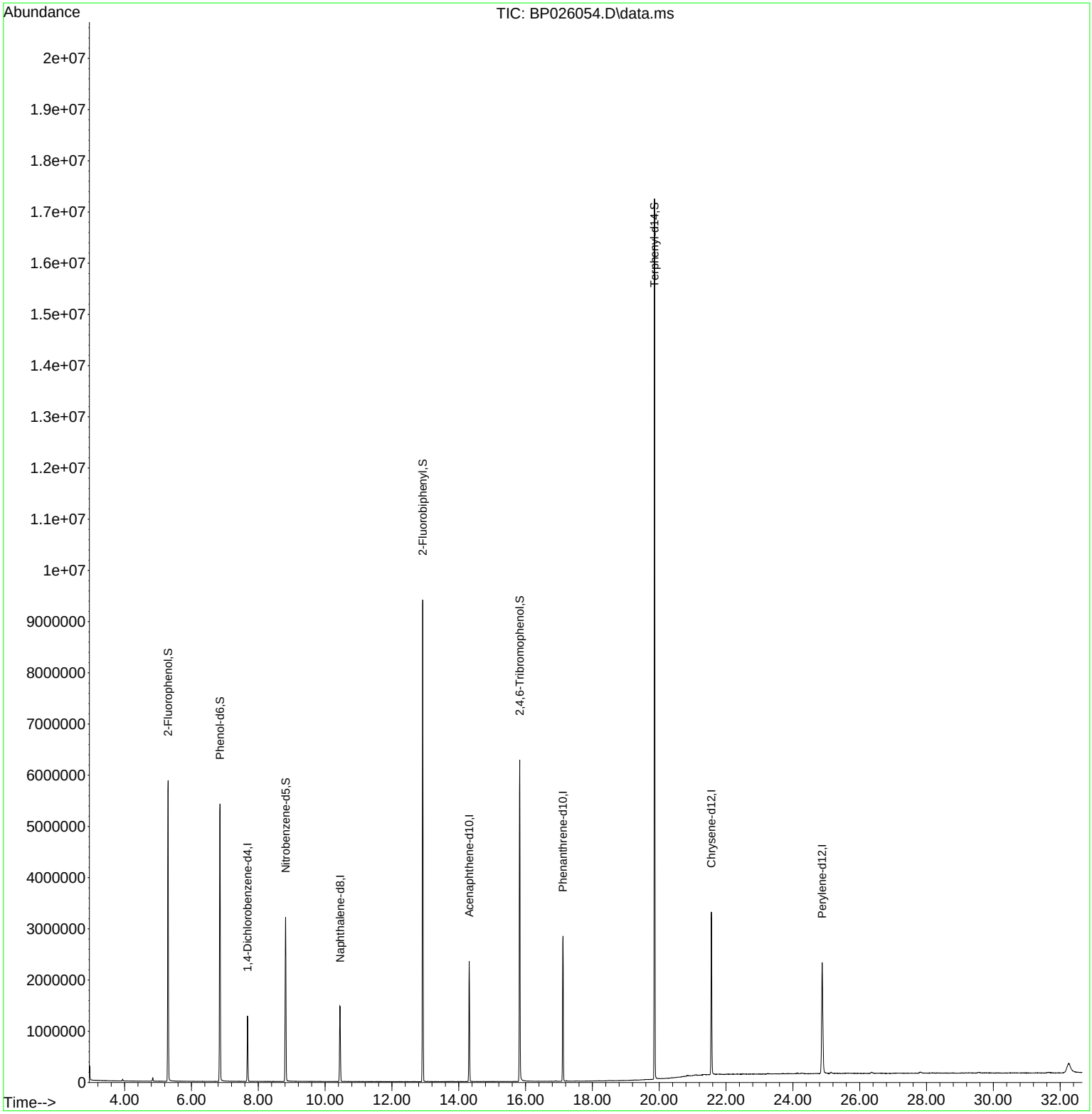
(#) = qualifier out of range (m) = manual integration (+) = signals summed

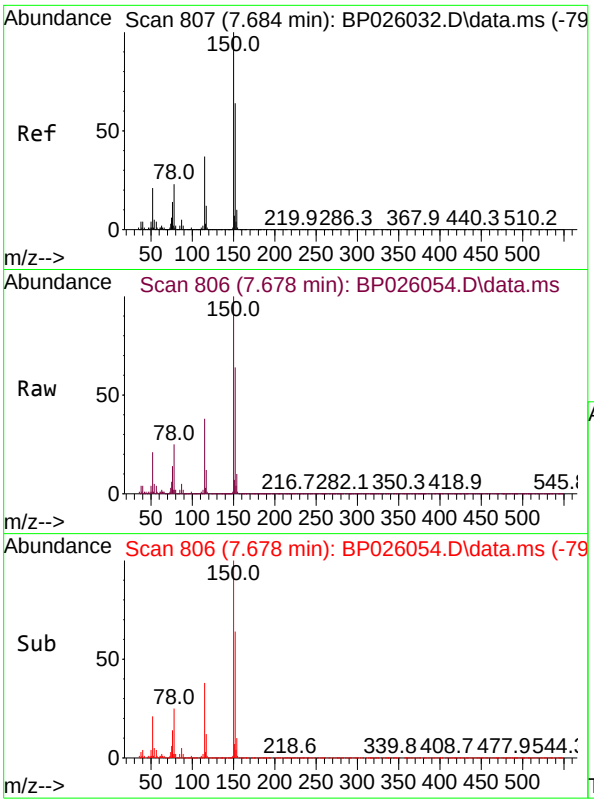
Sample Results: **BP026054.D**

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



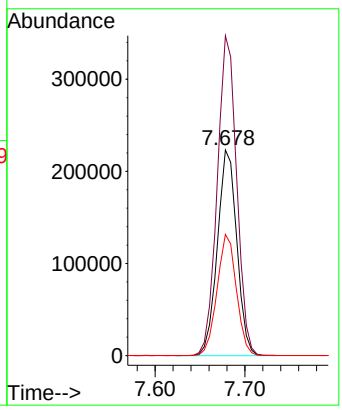


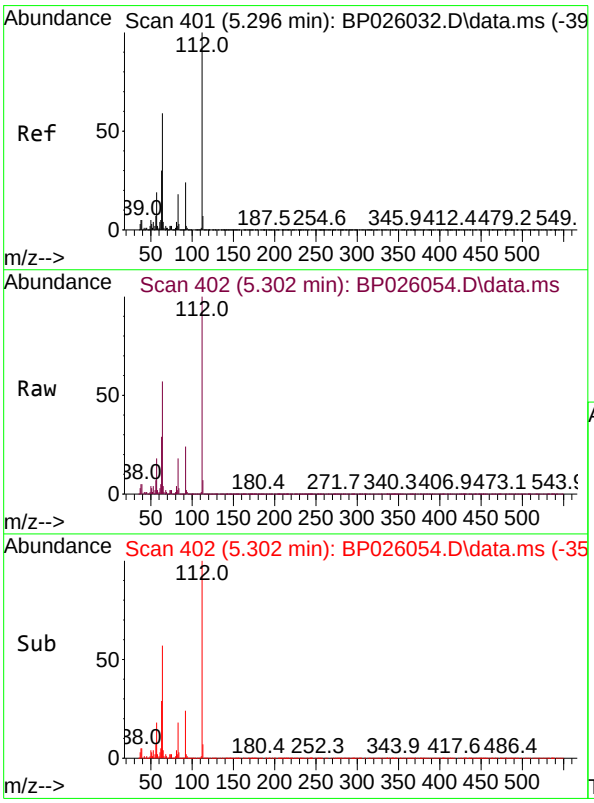
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.678 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

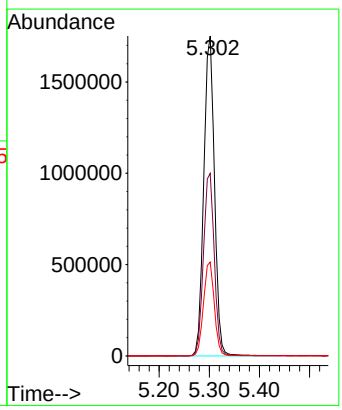


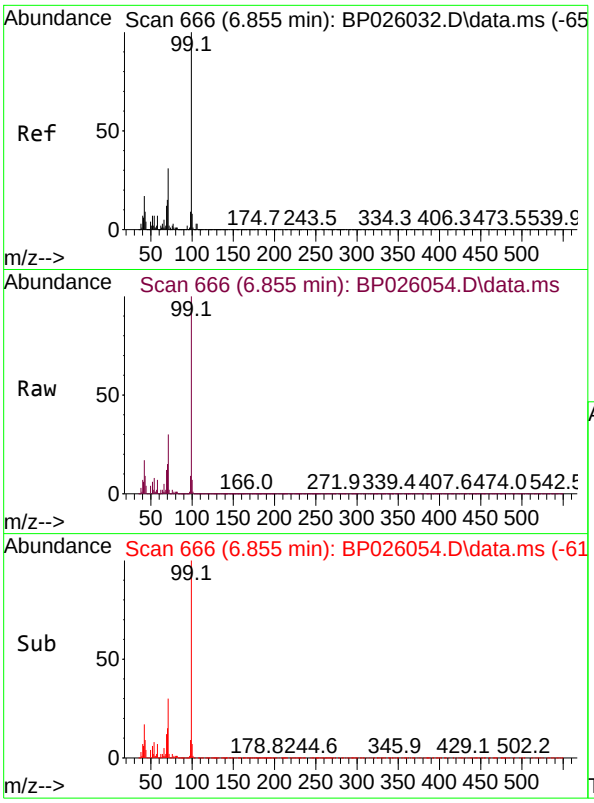


#5
2-Fluorophenol
Concen: 127.483 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



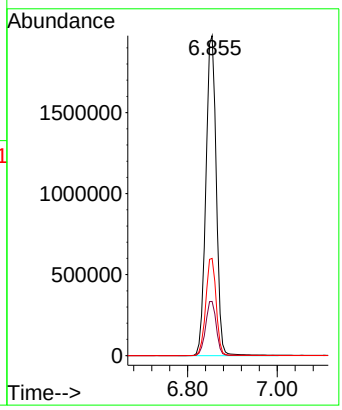


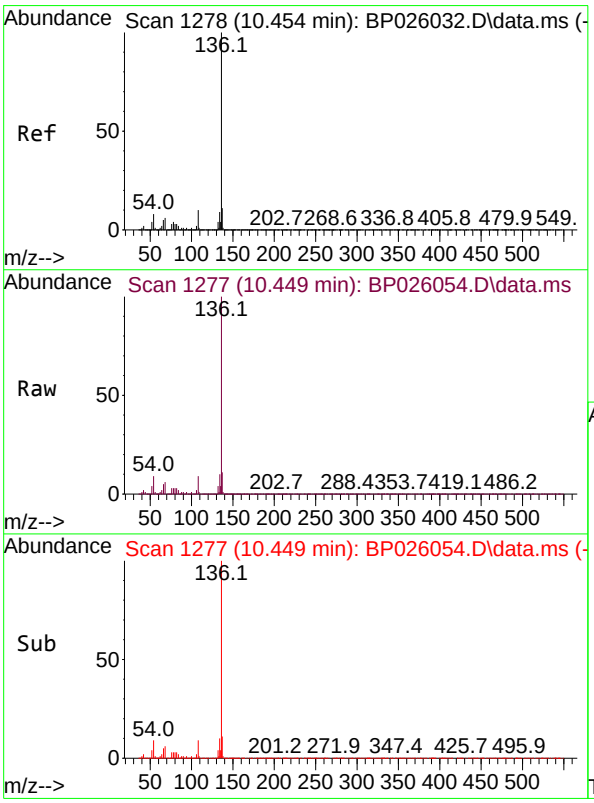
#7
Phenol-d6
Concen: 121.884 ng
RT: 6.855 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

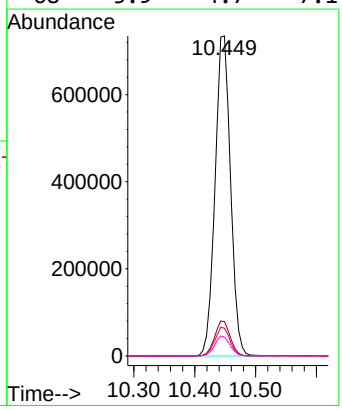


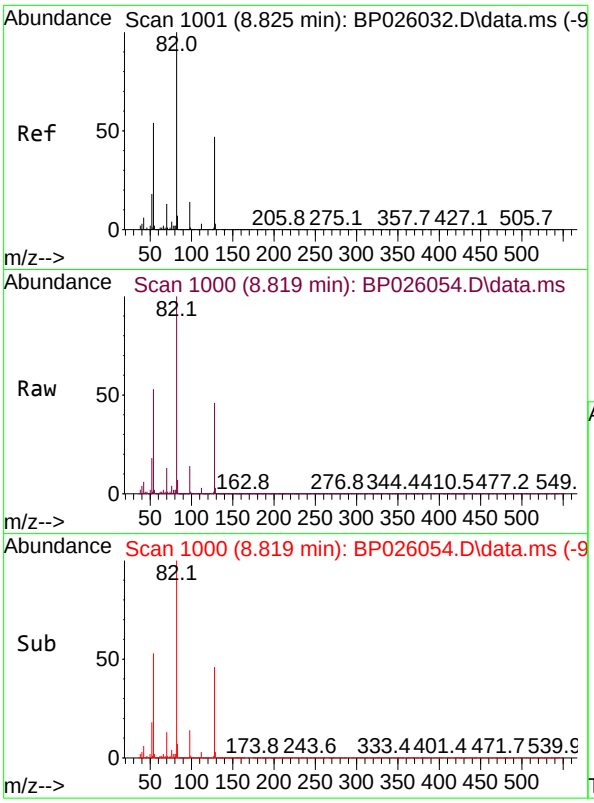


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



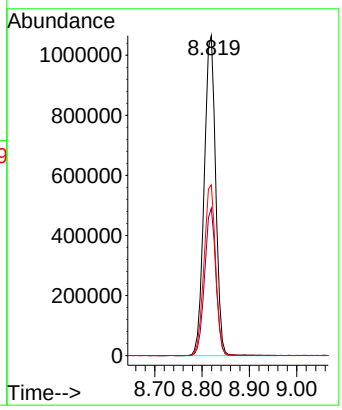


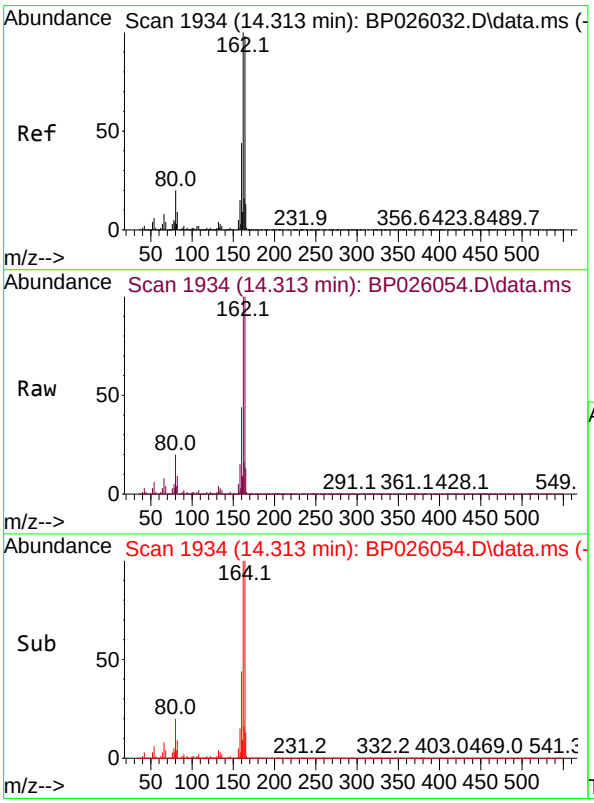
#23
Nitrobenzene-d5
Concen: 85.984 ng
RT: 8.819 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

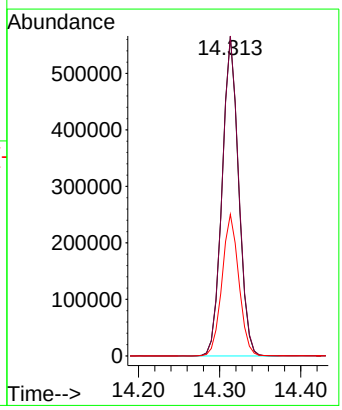


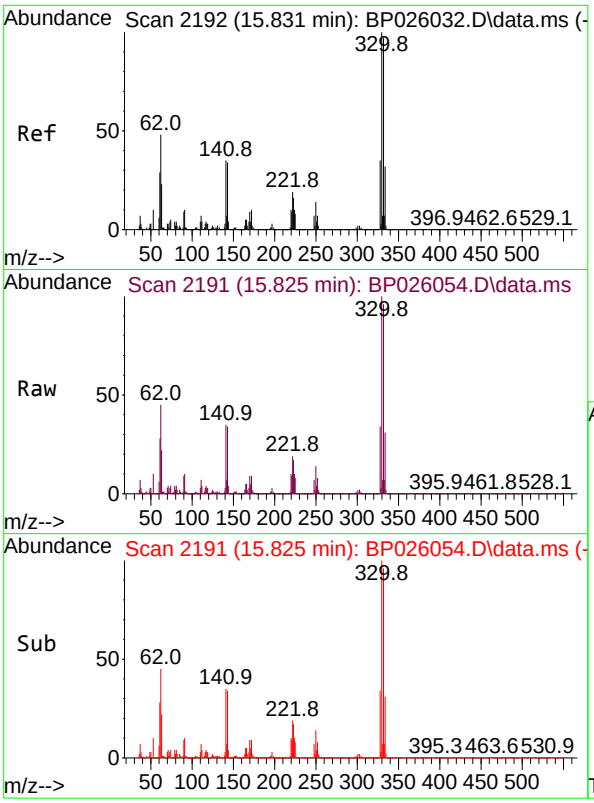


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



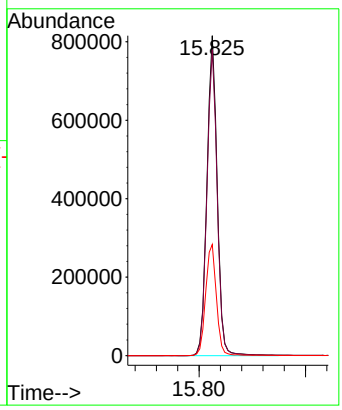


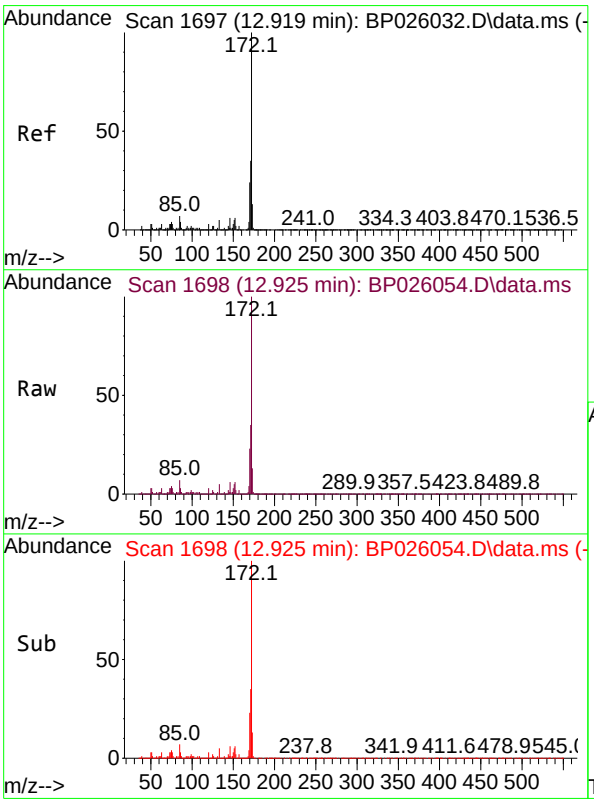
#42
2,4,6-Tribromophenol
Concen: 127.143 ng
RT: 15.825 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

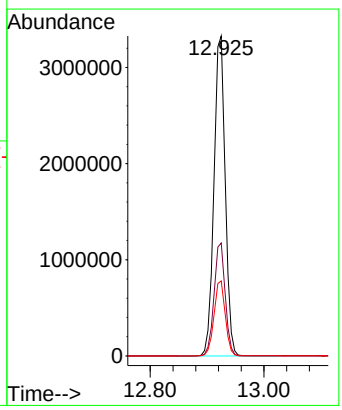


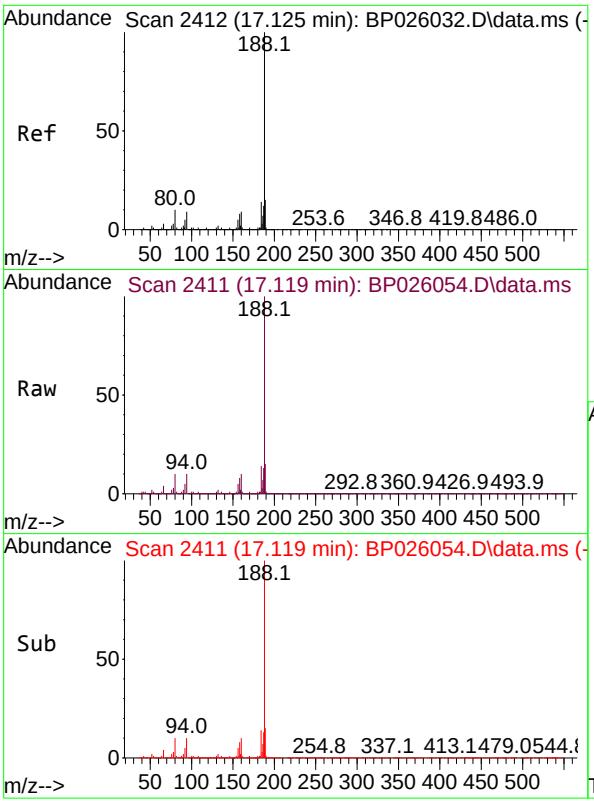


#45
2-Fluorobiphenyl
Concen: 82.893 ng
RT: 12.925 min Scan# 1698
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



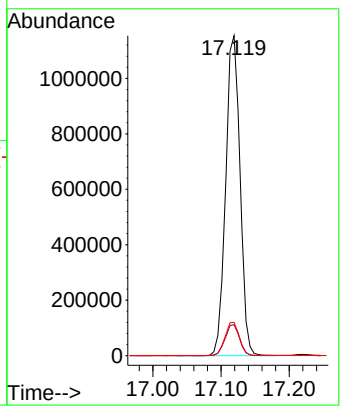


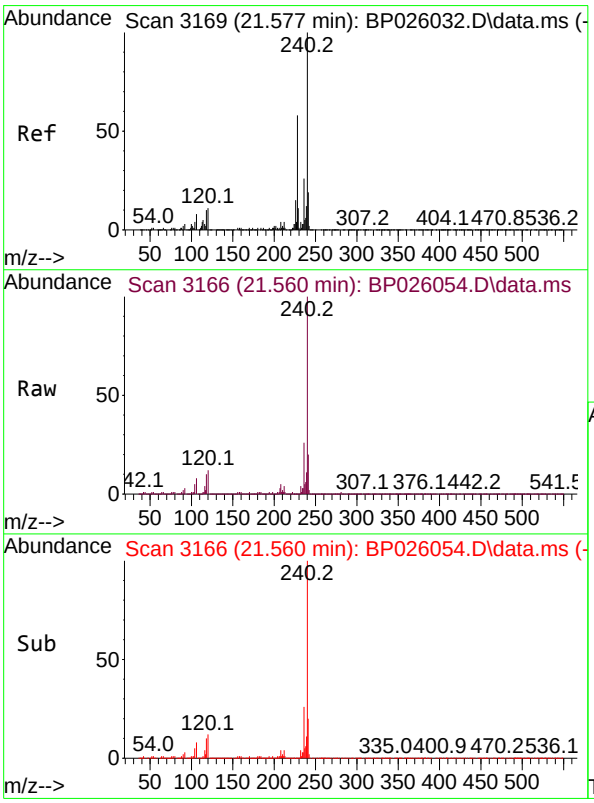
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

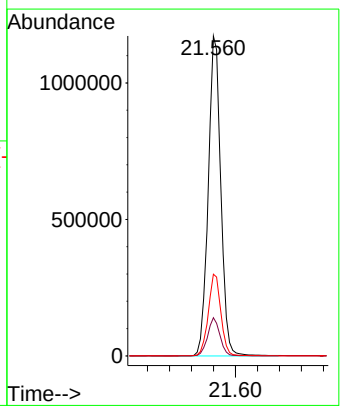


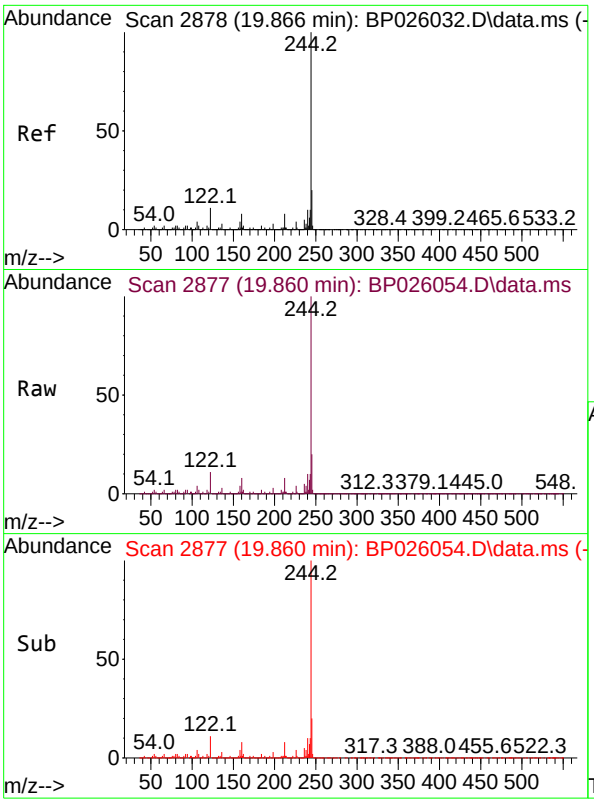


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.560 min Scan# 3166
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



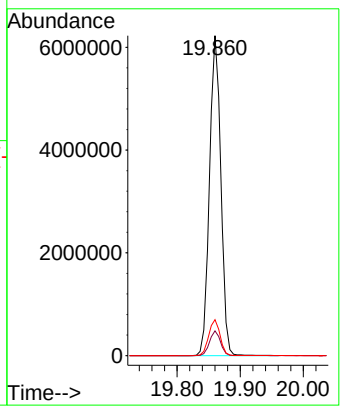


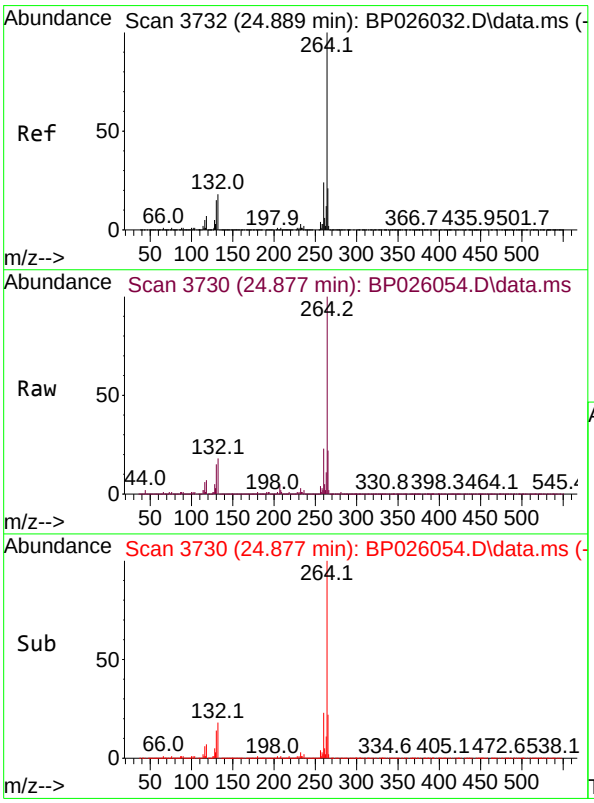
#79
Terphenyl-d14
Concen: 85.258 ng
RT: 19.860 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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

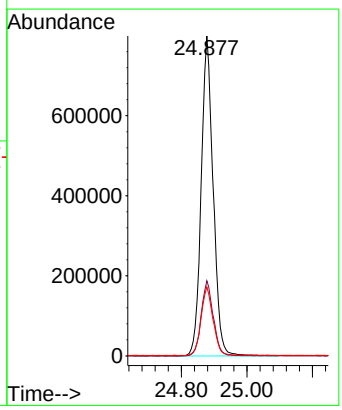




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.877 min Scan# 3730
Delta R.T. -0.006 min
Lab File: BP026054.D
Acq: 03 Nov 2025 11:47

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



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

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

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

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

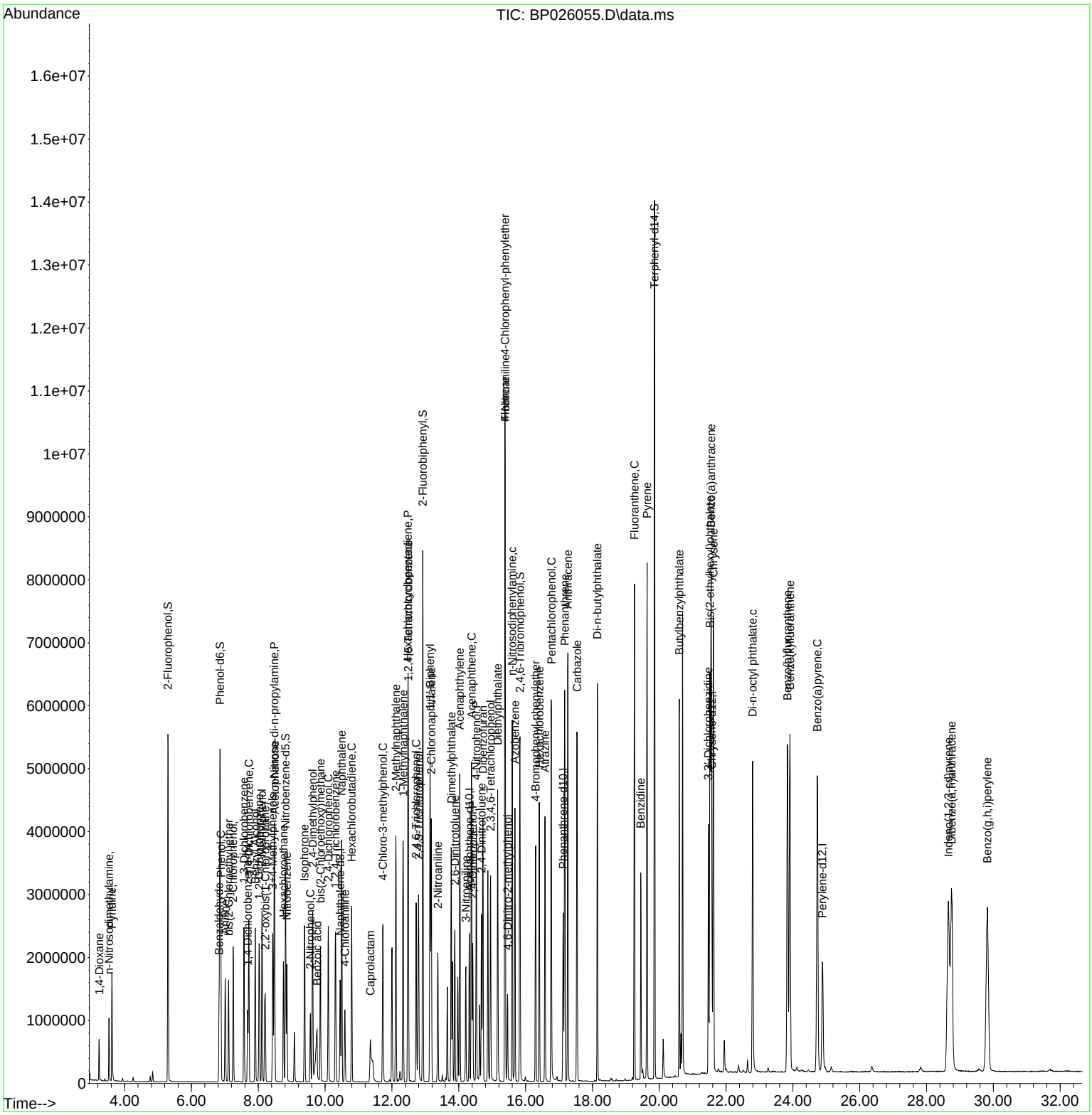
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026055.D
Acq On : 03 Nov 2025 12:29
Operator : RC/JU
Sample : PB170342BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

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



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

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

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MS

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	230344	20.000	ng		0.00
21) Naphthalene-d8	10.454	136	913499	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	573692	20.000	ng		0.00
64) Phenanthrene-d10	17.131	188	1154142	20.000	ng		0.00
76) Chrysene-d12	21.577	240	1320577	20.000	ng		0.01
86) Perylene-d12	24.889	264	1554006	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.296	112	1034800	74.129	ng		0.00
7) Phenol-d6	6.855	99	1315612	74.046	ng		0.00
23) Nitrobenzene-d5	8.819	82	718062	49.003	ng		0.00
42) 2,4,6-Tribromophenol	15.836	330	502803	81.069	ng		0.00
45) 2-Fluorobiphenyl	12.931	172	1719470	43.067	ng		0.00
79) Terphenyl-d14	19.860	244	2808520	43.209	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.231	88	245654	41.743	ng		98
3) Pyridine	3.619	79	653591	39.069	ng		99
4) n-Nitrosodimethylamine	3.531	42	305989	45.637	ng		94
6) Aniline	7.013	93	741914	31.287	ng		99
8) 2-Chlorophenol	7.249	128	767520	49.652	ng		97
9) Benzaldehyde	6.831	77	421669	45.654	ng		95
10) Phenol	6.884	94	939790	47.644	ng		99
11) bis(2-Chloroethyl)ether	7.113	93	686866	44.124	ng		100
12) 1,3-Dichlorobenzene	7.572	146	815209	45.921	ng		99
13) 1,4-Dichlorobenzene	7.719	146	834769	46.508	ng		98
14) 1,2-Dichlorobenzene	8.037	146	796735	46.519	ng		98
15) Benzyl Alcohol	7.913	79	621325	48.507	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.202	45	974973	41.441	ng		98
17) 2-Methylphenol	8.119	107	624055	48.315	ng		98
18) Hexachloroethane	8.755	117	285850	46.541	ng		97
19) n-Nitroso-di-n-propyla...	8.478	70	495360	44.913	ng		97
20) 3+4-Methylphenols	8.437	107	851879	47.409	ng		98
22) Acetophenone	8.490	105	1062156	45.975	ng	#	97
24) Nitrobenzene	8.860	77	731015	47.248	ng		98
25) Isophorone	9.390	82	1416601	45.165	ng		99
26) 2-Nitrophenol	9.566	139	367075	63.539	ng		96
27) 2,4-Dimethylphenol	9.631	122	712048	53.986	ng		100
28) bis(2-Chloroethoxy)met...	9.866	93	890244	45.038	ng		100
29) 2,4-Dichlorophenol	10.102	162	706461	50.728	ng		99
30) 1,2,4-Trichlorobenzene	10.313	180	727408	48.056	ng		97
31) Naphthalene	10.501	128	2237445	44.915	ng		100
32) Benzoic acid	9.749	122	560751	63.086	ng		96
33) 4-Chloroaniline	10.601	127	319591	16.695	ng		99
34) Hexachlorobutadiene	10.807	225	437061	45.437	ng		99
35) Caprolactam	11.372	113	241440	49.370	ng		95
36) 4-Chloro-3-methylphenol	11.737	107	740711	50.738	ng		99
37) 2-Methylnaphthalene	12.125	142	1421190	40.762	ng		99
38) 1-Methylnaphthalene	12.348	142	1485088	43.844	ng		98
40) 1,2,4,5-Tetrachloroben...	12.495	216	802007	44.992	ng		99
41) Hexachlorocyclopentadiene	12.484	237	921688	141.321	ng		97
43) 2,4,6-Trichlorophenol	12.737	196	565547	53.677	ng		98

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MS

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

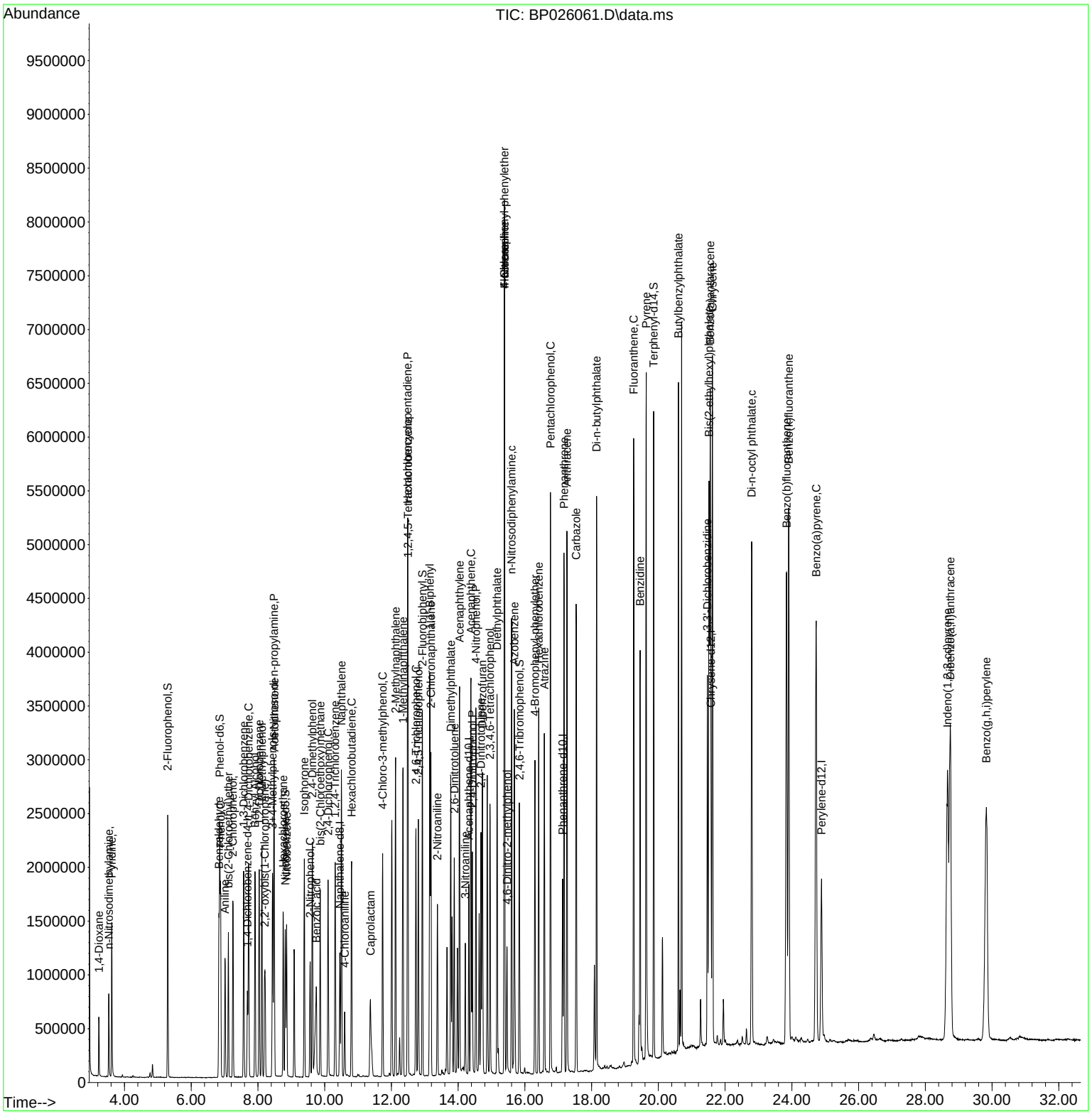
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.807	196	621732	51.714	ng	97
46) 1,1'-Biphenyl	13.148	154	2025270	46.104	ng	100
47) 2-Chloronaphthalene	13.184	162	1550279	44.855	ng	99
48) 2-Nitroaniline	13.378	65	443914	49.793	ng	100
49) Acenaphthylene	14.042	152	2662846	52.861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

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

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



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

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

Sample Results: **BP026062.D**

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.684	152	345956	20.000	ng		0.00
21) Naphthalene-d8	10.448	136	1339139	20.000	ng		0.00
39) Acenaphthene-d10	14.319	164	838184	20.000	ng		0.00
64) Phenanthrene-d10	17.130	188	1700831	20.000	ng		0.00
76) Chrysene-d12	21.577	240	1741305	20.000	ng		0.01
86) Perylene-d12	24.901	264	1964578	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.302	112	1402287	66.885	ng		0.00
7) Phenol-d6	6.855	99	1788683	67.029	ng		0.00
23) Nitrobenzene-d5	8.819	82	990160	46.094	ng		0.00
42) 2,4,6-Tribromophenol	15.842	330	683138	75.388	ng		0.01
45) 2-Fluorobiphenyl	12.931	172	2373751	40.694	ng		0.00
79) Terphenyl-d14	19.871	244	3672530	42.850	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.237	88	324097	36.669	ng		98
3) Pyridine	3.619	79	876612	34.889	ng		98
4) n-Nitrosodimethylamine	3.531	42	415005	41.211	ng		95
6) Aniline	7.013	93	1062972	29.847	ng		98
8) 2-Chlorophenol	7.255	128	1047831	45.133	ng		97
9) Benzaldehyde	6.831	77	578623	41.711	ng		96
10) Phenol	6.884	94	1266278	42.743	ng		99
11) bis(2-Chloroethyl)ether	7.113	93	933173	39.913	ng		100
12) 1,3-Dichlorobenzene	7.572	146	1112065	41.709	ng		98
13) 1,4-Dichlorobenzene	7.719	146	1144096	42.441	ng		98
14) 1,2-Dichlorobenzene	8.031	146	1096934	42.643	ng		100
15) Benzyl Alcohol	7.913	79	834687	43.388	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.201	45	1317067	37.273	ng		98
17) 2-Methylphenol	8.119	107	849875	43.810	ng		98
18) Hexachloroethane	8.754	117	390595	42.343	ng		99
19) n-Nitroso-di-n-propyla...	8.478	70	677161	40.879	ng		97
20) 3+4-Methylphenols	8.437	107	1153310	42.735	ng		99
22) Acetophenone	8.490	105	1445488	42.681	ng	#	97
24) Nitrobenzene	8.860	77	998094	44.006	ng		98
25) Isophorone	9.390	82	1938648	42.164	ng		99
26) 2-Nitrophenol	9.566	139	516379	61.081	ng		97
27) 2,4-Dimethylphenol	9.637	122	968769	50.104	ng		99
28) bis(2-Chloroethoxy)met...	9.866	93	1224727	42.266	ng		99
29) 2,4-Dichlorophenol	10.101	162	958620	46.956	ng		99
30) 1,2,4-Trichlorobenzene	10.319	180	1001794	45.147	ng		98
31) Naphthalene	10.496	128	3055988	41.848	ng		100
32) Benzoic acid	9.760	122	774891	60.501	ng		95
33) 4-Chloroaniline	10.601	127	510560	18.194	ng		99
34) Hexachlorobutadiene	10.795	225	598063	42.413	ng		99
35) Caprolactam	11.372	113	337662	47.099	ng		92
36) 4-Chloro-3-methylphenol	11.737	107	1007525	47.078	ng		97
37) 2-Methylnaphthalene	12.119	142	1938577	37.929	ng		99
38) 1-Methylnaphthalene	12.342	142	2017843	40.638	ng		99
40) 1,2,4,5-Tetrachloroben...	12.490	216	1077175	41.361	ng		99
41) Hexachlorocyclopentadiene	12.478	237	1243244	130.473	ng		97
43) 2,4,6-Trichlorophenol	12.731	196	782493	50.832	ng		99

Sample Results: **BP026062.D**

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

Instrument :
BNA_P
ClientSampleId :
SB-1025-2MSD

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

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

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

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

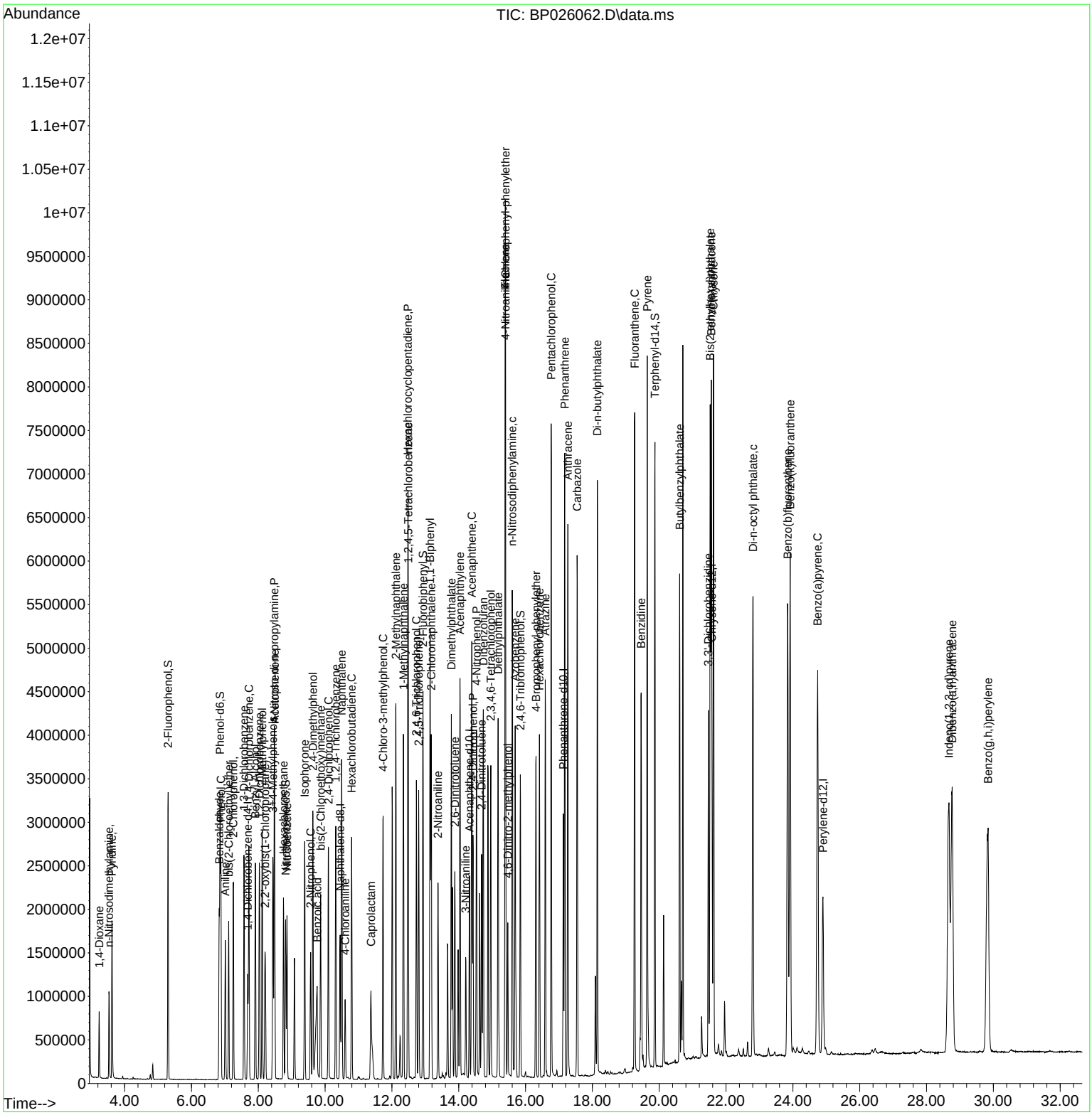
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
Data File : BP026062.D
Acq On : 03 Nov 2025 17:35
Operator : RC/JU
Sample : Q3495-02MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

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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

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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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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

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	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

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

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

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

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

PERCENT SOLID

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

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

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

QC: LB137714

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

PERCENT SOLID

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

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

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

QC: LB137714

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

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

WORKLIST(Hardcopy Internal Chain)

UB137714

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

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

Date/Time 10/30/25 15:00

Raw Sample Received by: [illegible] (WC)

Raw Sample Relinquished by: RJ (FedEx)

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ (FedEx)

Raw Sample Relinquished by: [illegible] (WC)

WORKLIST(Hardcopy Internal Chain)

VB 137714

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

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

Date/Time 10/30/25 15:30

Raw Sample Received by: RJ (WC)

Raw Sample Relinquished by: RJ (EH-Feb)

Date/Time 10/30/25 17:30

Raw Sample Received by: RJ (EH-Feb)

Raw Sample Relinquished by: RJ (WC)

WORKLIST(Hardcopy Internal Chain)

VB 13F714

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

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

Date/Time 10/30/25 15:00
Raw Sample Received by: LWC
Raw Sample Relinquished by: RJ (EH-Lab)

Date/Time 10/30/25 17:30
Raw Sample Received by: RJ (EH-Lab)
Raw Sample Relinquished by: LWC

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: (Lab)

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

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Prep Standard - Chemical Standard Summary

Order ID : Q3495

Test : SVOC-PAH

Prepbatch ID : PB170342,

Sequence ID/Qc Batch ID: BG103125,BP110325,

Standard ID :
EP2641,EP2655,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6869,SP6871,SP6872,SP6875,SP6895,

Chemical ID :
10ul/1000ul sample,E3875,E3951,E3954,E3965,E3972,E3973,E3979,E3980,S11073,S11485,S11652,S11807,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12560,S12561,S12562,S12563,S12577,S12739,S12776,S12903,S12904,S12905,S13097,S13098,S13099,S13100,S13101,S13121,S13122,S13149,S13160,S13170,S13175,S13181,S13207,S13214,S13233,S13244,S13245,S13246,S13247,S13248,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2655	10/24/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/24/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6895	10/16/2025	11/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 10/16/2025

FROM 0.20000ml of S11485 + 0.20000ml of S11652 + 0.20000ml of S13149 + 0.20000ml of S13160 + 0.20000ml of S13207 + 0.20000ml of S13244 + 0.40000ml of S13101 + 0.70000ml of S13097 + 1.10000ml of S12560 + 1.20000ml of S13122 + 1.20000ml of S13245 + 1.20000ml of S13246 + 1.20000ml of S13247 + 1.20000ml of S13248 + 1.30000ml of S12561 + 1.30000ml of S12562 + 1.30000ml of S12563 + 1.30000ml of S13098 + 1.30000ml of S13099 + 1.30000ml of S13100 + 1.30000ml of S13121 + 81.50000ml of E3979 = Final Quantity: 100.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24L1062001	10/04/2027	10/15/2025 / RITESHKUMAR	09/29/2025 / Riteshkumar	E3979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	04/16/2026	10/16/2025 / Jagrut	08/10/2023 / yogesh	S11485

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12561

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12562

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	04/16/2026	10/16/2025 / Jagrut	07/23/2024 / RAHUL	S12563

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13098

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13099

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13100

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13101

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	04/08/2026	10/08/2025 / Jagrut	05/20/2025 / Rahul	S13121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	04/16/2026	10/16/2025 / Jagrut	05/20/2025 / Rahul	S13122

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13181

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	03/23/2026	09/22/2025 / Jagrut	08/06/2025 / Rahul	S13245

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13247

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0228451	04/16/2026	10/16/2025 / Jagrut	08/06/2025 / Rahul	S13248

RESTEK® CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

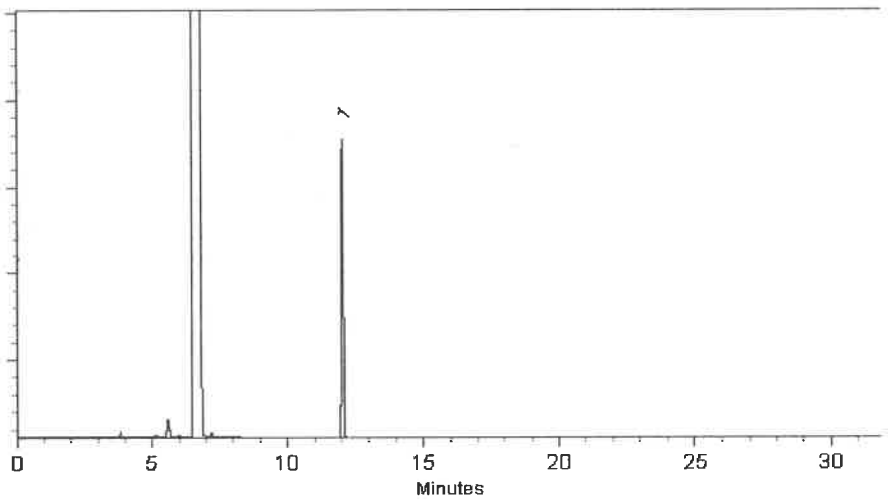
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375)**	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

E 3875

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3972

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24L1062001
Manufactured Date: 2024-10-04
Expiration Date:2027-10-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.7 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.1
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3979

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec. on 6/10/25 PJ

E3980

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

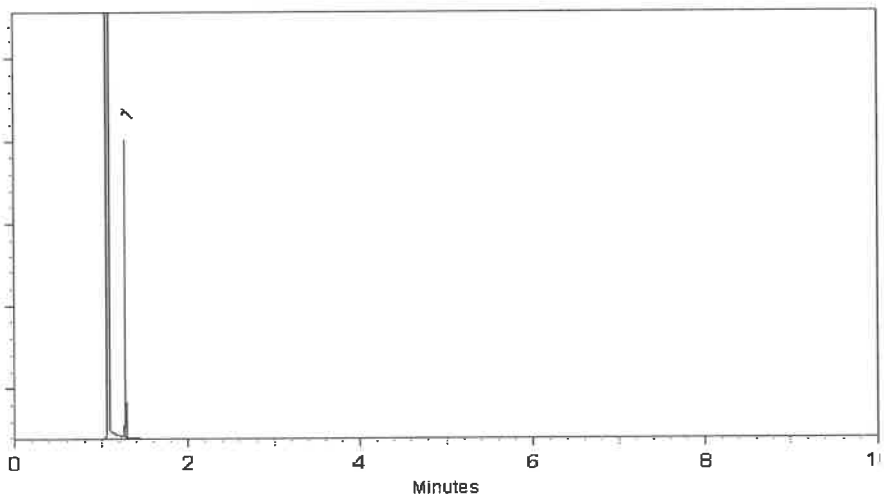
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

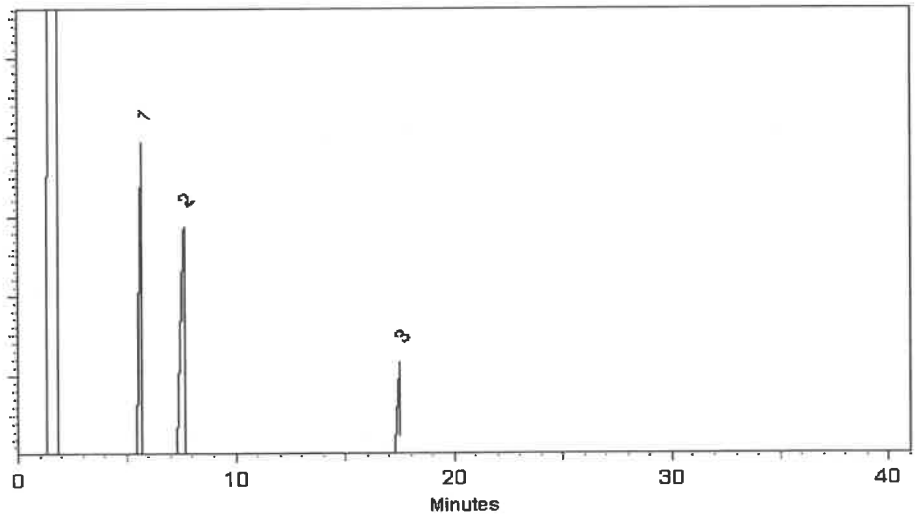
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

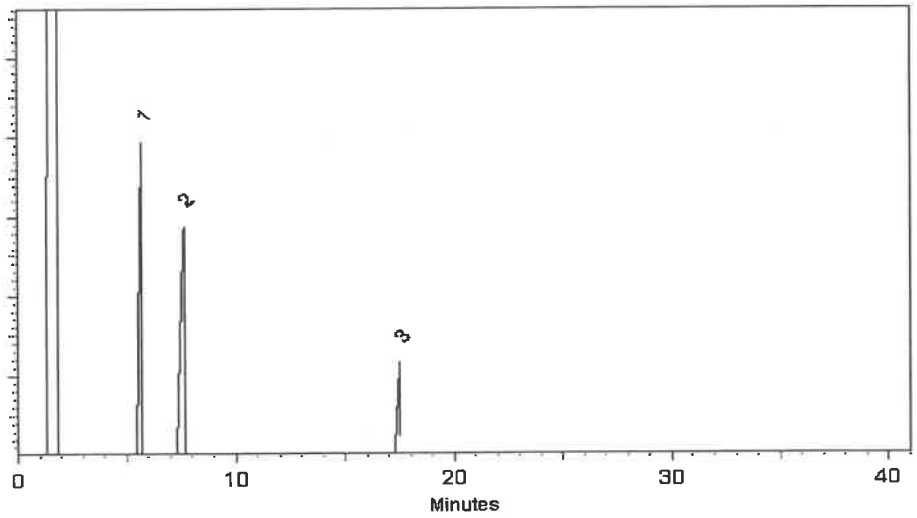
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

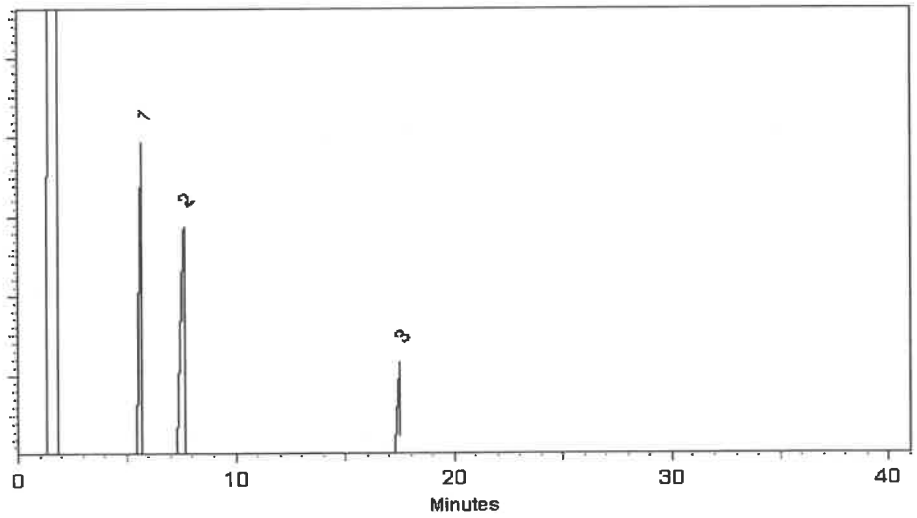
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

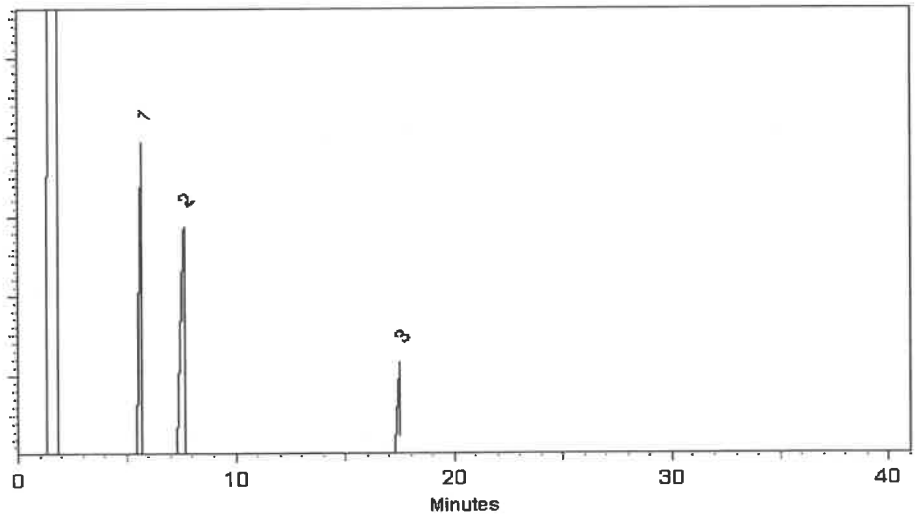
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

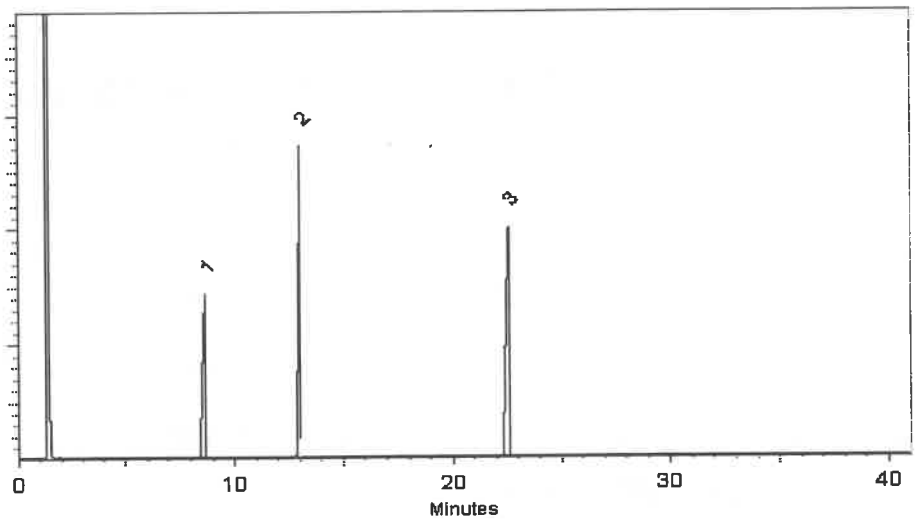
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

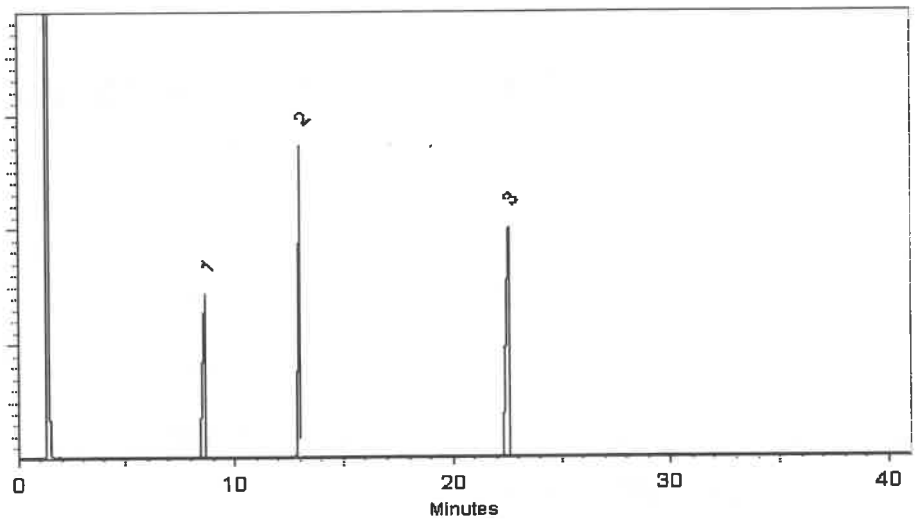
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

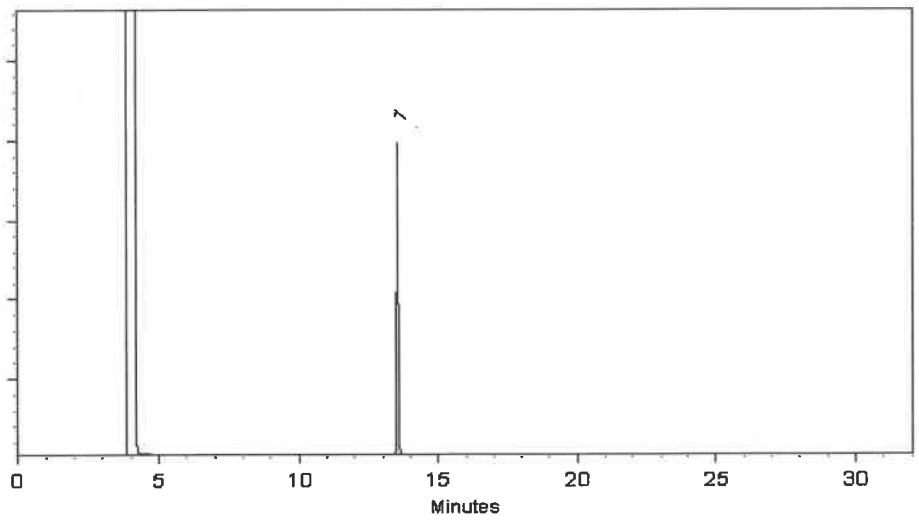
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

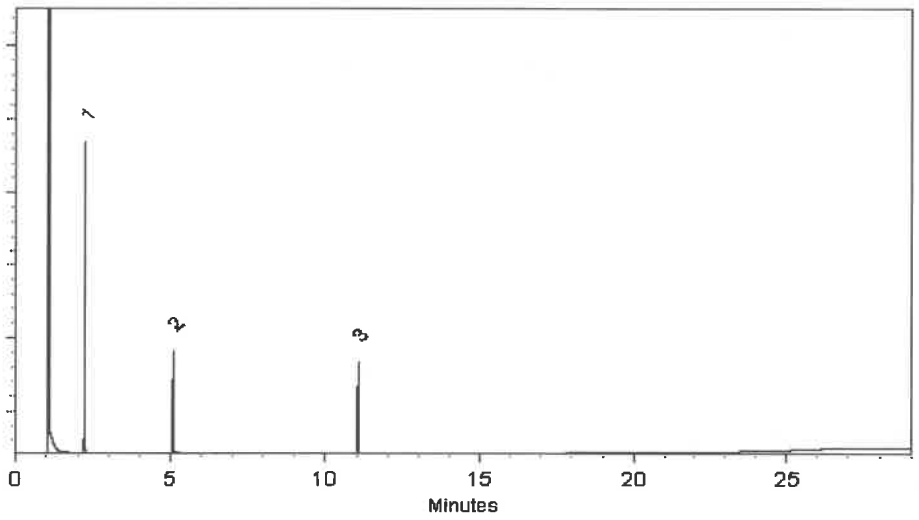
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

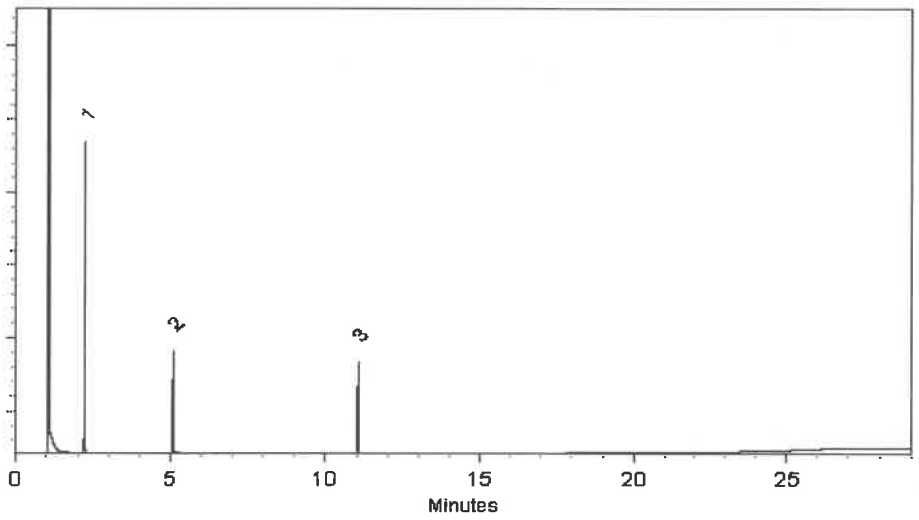
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

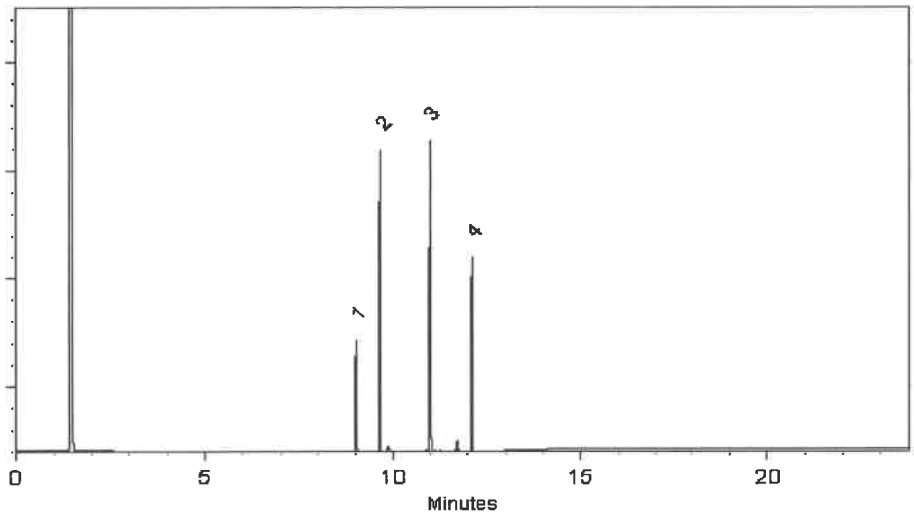
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

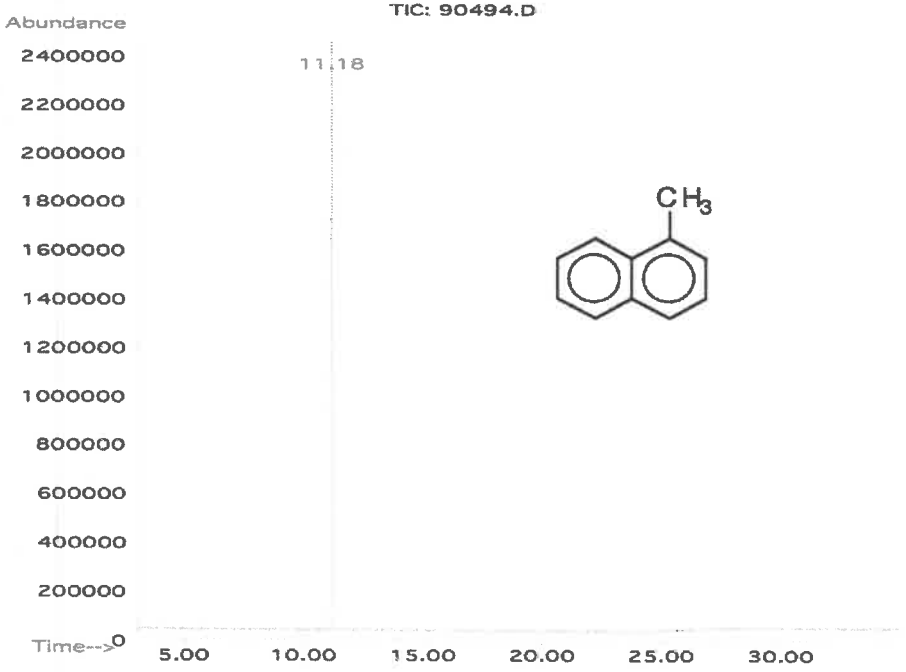
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

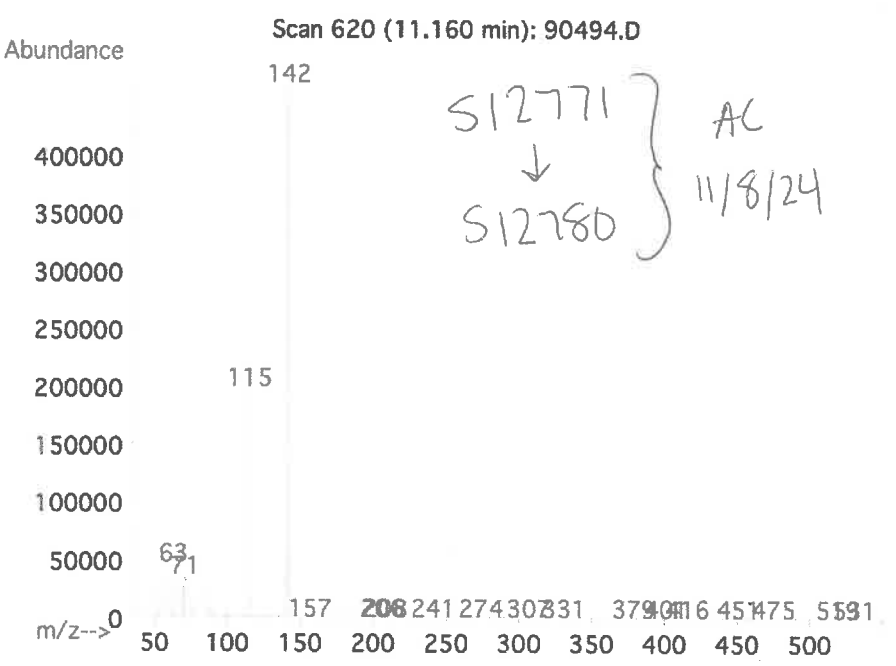
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By: Prashant Chauhan	061323 DATE
Reviewed By: Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

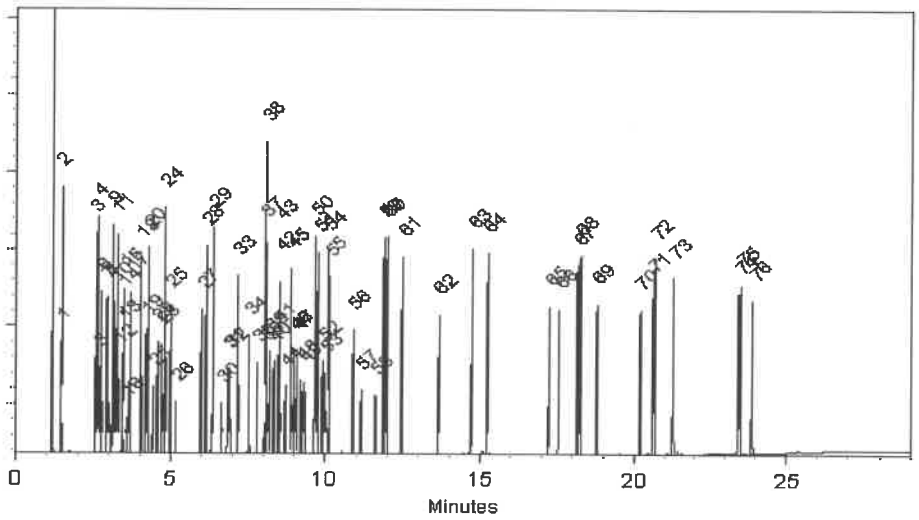
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

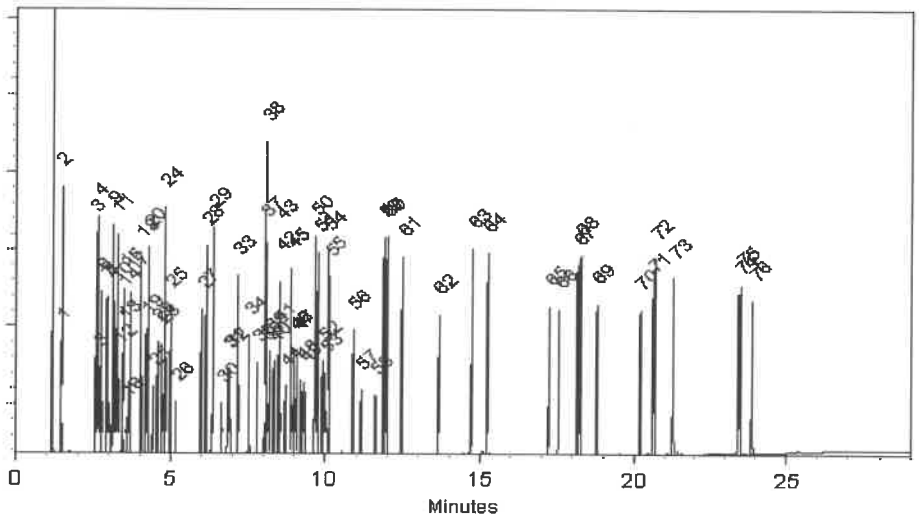
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

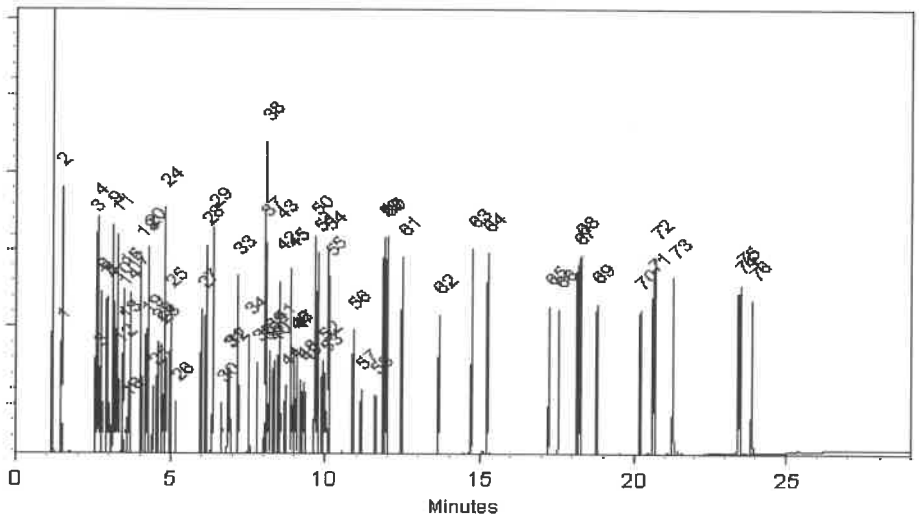
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

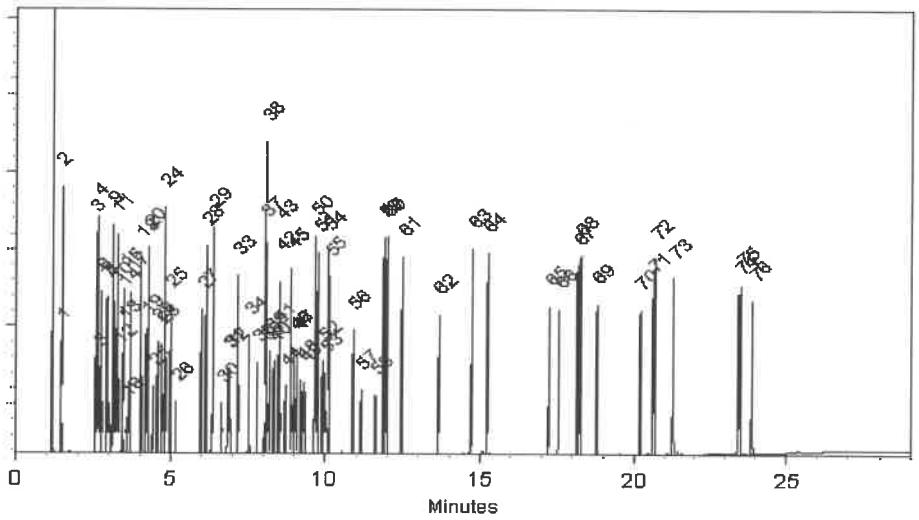
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

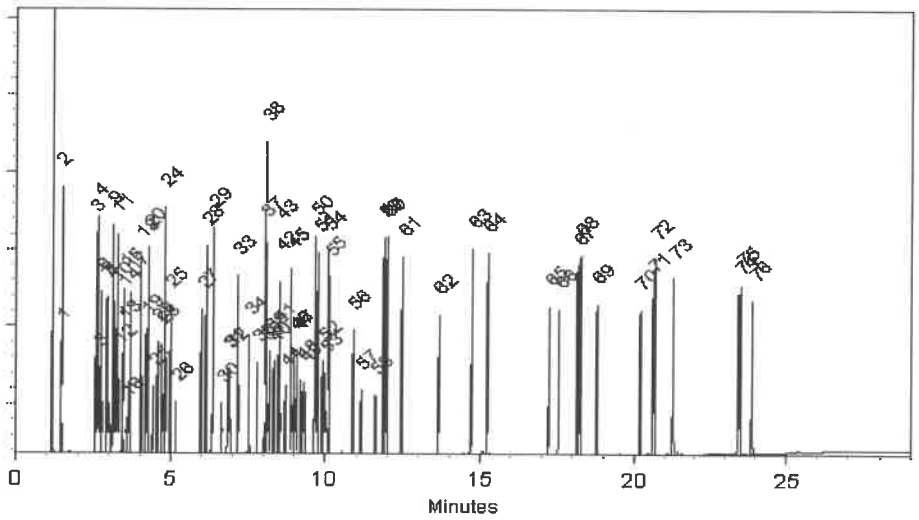
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

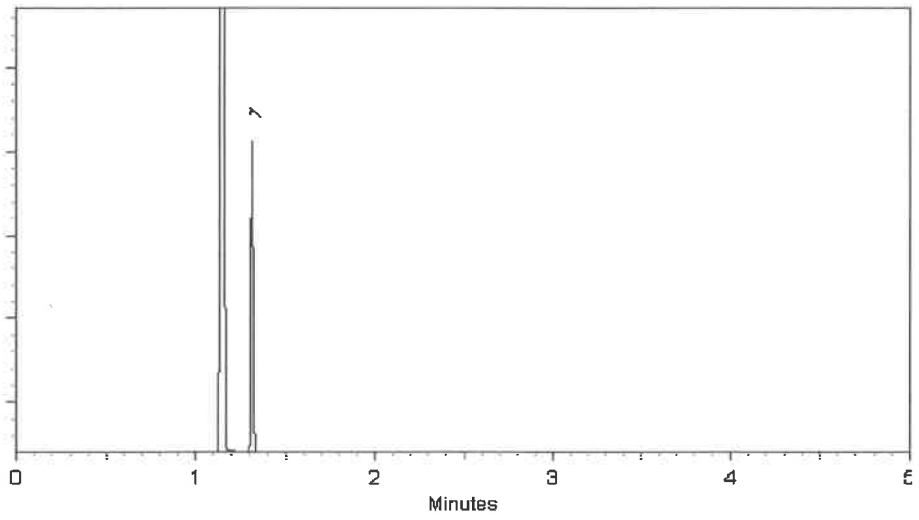
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

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Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

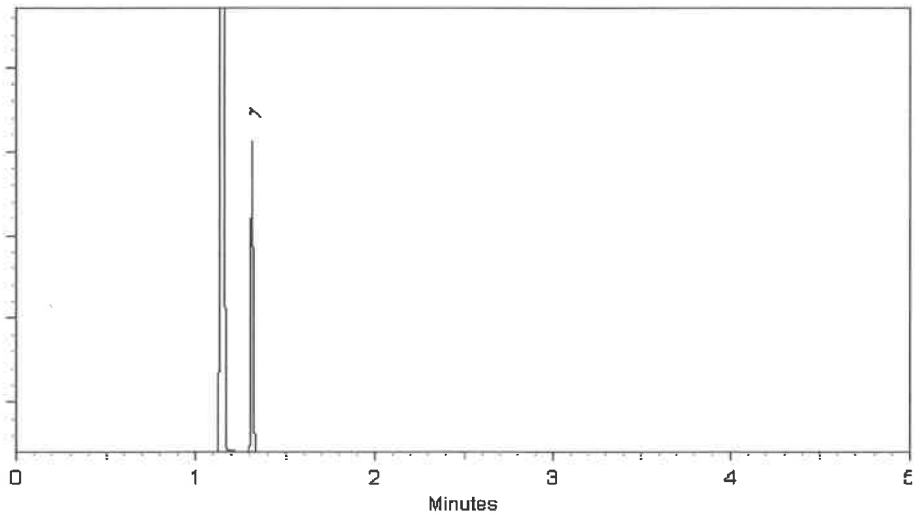
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 ↓ S13167 } RC/ 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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S13198 → S13207 } AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 09-Jun-2025 **Balance:** 1122030677

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 } RC/ 8/1/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

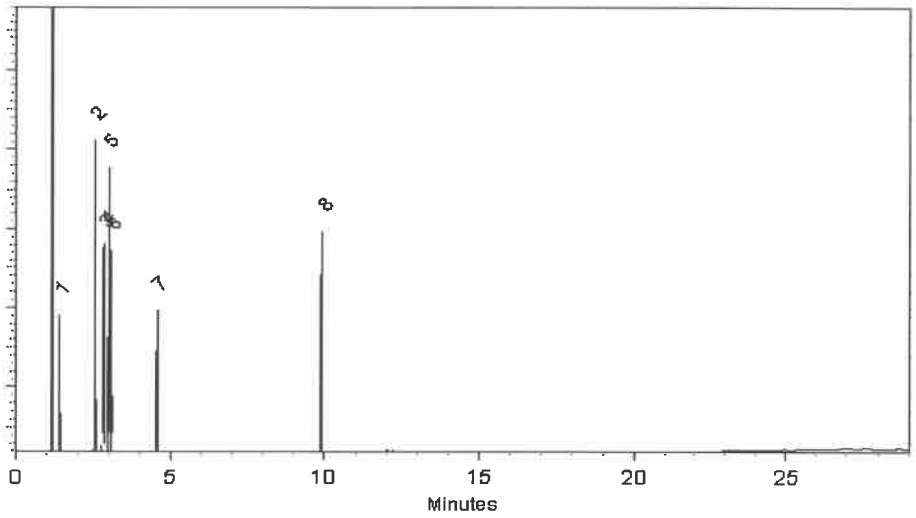
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2027 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

513148 ↓ 513157 RC 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q3495
COC Number 2046870

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Remington Bvernick Engineers
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP 08003
ATTENTION: Kyle.Carlson@re.com
PHONE: 856-795-9595 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Mackenzie Park 81
PROJECT NO.: 130TT025 LOCATION: Belmar, NJ
PROJECT MANAGER: Kyle Carlson
e-mail: kyle.carlson@re.com
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvoices@re.com PO#: 130TT025
ADDRESS: 2059 Springdale Road
CITY Cherry Hill STATE: NJ ZIP 08003
ATTENTION: Kyle Carlson PHONE 856-795-9595

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other
EDD FORMAT Hazsite

ANALYSIS

1. TCL PAHs
2. TAL Metals
3. VOCs
4. TCLP 30 TAL
5. TAL Metals + Mercury
6. Cyanide
7. VOCs
8. VOCs
9. VOCs

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9	COMMENTS
1.	SB-1025-1	S		X	10/27/25	10:00	2	1	1								
2.	SB-1025-2	S		X	10/27/25	10:45	7		1		2			1	2	1	CH4, D/water
3.	TW-1025-1	GW		X	10/27/25	11:15	8			2	4	1	1				~~DI water~~ (M)
4.	Trip Bank	GW		X	10/24/25	08:00	4			4							
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Arramaer	10/27/25 17:30	1. 1707 10/29-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1850 10/29-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.9 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Kyle Carlson <Kyle.Carlson@rve.com>
Sent: Thursday, October 30, 2025 3:02 PM
To: Data-EWR; Yazmeen Gomez
Subject: Re: Login Summary Details For Project Maclearie Park-Q3495.

Hi Yazmeen - can I request addition of EPH Category 2 (non-fractionated) analysis for sample SB-10-25-2? I believe David had requested the bottleware for this analysis, but it was missed on the COC.

Please let me know if that would be possible, thanks!

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Thursday, October 30, 2025 2:39 PM
To: Kyle Carlson <Kyle.Carlson@rve.com>
Cc: YAZMEEN.GOMEZ@AllianceTG.com <YAZMEEN.GOMEZ@AllianceTG.com>
Subject: Login Summary Details For Project Maclearie Park-Q3495.

To Kyle Carlson;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q3495
Project ID	: Maclearie Park
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 10/30/2025 10:45:41 AM
Alliance's Project Manager	: YAZMEEN GOMEZ , YAZMEEN.GOMEZ@AllianceTG.com , 908-728-3147
Alliance's Sales Executive	: Jordan Hedvat , Jordan.Hedvat@AllianceTG.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3495 REMI02
Client Name : Remington & Vernick Engi
Client Contact : Kyle Carlson
Invoice Name : Remington & Vernick Engi
Invoice Contact : Kyle Carlson

Order Date : 10/30/2025 10:45:41 AM
Project Name : Maclearie Park
Receive DateTime : 10/~~30~~29/2025 ~~12:00:00 AM~~ 18:52 dd
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3495-02	SB-1025-2	Solid	10/27/2025	10:45					
					VOC-TCLVOA-10	TCL+30/TAL	8260D		10 Bus. Days
Q3495-03	TW-1025-1	Water	10/27/2025	11:15					
					VOC-TCLVOA-10	TCL+30/TAL	8260-Low		10 Bus. Days
Q3495-04	TB	Water	10/27/2025	08:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 10/30/25 1131

Received By :
Date / Time : 10/30/25 11:31
Storage Area : VOA Refridgerator Room

Reg # 6
Reg # 2
Reg # 4