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Cover Page

Order ID : Q2032

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2032-01	TP-11
Q2032-02	TP-29
Q2032-03	TP-29-99
Q2032-04	TP-24
Q2032-05	Q2032-04MS
Q2032-06	Q2032-04MSD
Q2032-07	TP-37
Q2032-08	TP-32
Q2032-09	COMP-1
Q2032-11	FB-05132025
Q2032-12	TB

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/23/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2032**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **PRADIP PRAJAPATI** **Date:** **05/23/2025**

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LAB CHRONICLE

OrderID:	Q2032	**OrderDate:**	5/13/2025 4:01:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2032-01	**TP-11**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-02	**TP-29**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-03	**TP-29-99**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-04	**TP-24**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-07	**TP-37**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-08	**TP-32**	**SOIL**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/16/25	05/19/25	
Q2032-09	**COMP-1**	**TCLP**			**05/13/25**			**05/13/25**
			TCLP BNA	8270E		05/15/25	05/17/25	
Q2032-11	**FB-05132025**	**Water**			**05/13/25**			**05/13/25**
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2032

Client: CDM Smith

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.: Q2032

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167994TB	PB167994TB	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	74.2	74		49	133
		2-Fluorobiphenyl	100	72.7	73		52	132
		2,4,6-Tribromophenol	150	135	90		44	137
		Terphenyl-d14	100	83.3	83		48	125
PB168026BL	PB168026BL	2-Fluorophenol	150	132	88		10	139
		Phenol-d6	150	122	82		10	134
		Nitrobenzene-d5	100	76.1	76		49	133
		2-Fluorobiphenyl	100	76.4	76		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	78.6	79		48	125
PB168026BS	PB168026BS	2-Fluorophenol	150	127	85		10	139
		Phenol-d6	150	117	78		10	134
		Nitrobenzene-d5	100	68.3	68		49	133
		2-Fluorobiphenyl	100	76.9	77		52	132
		2,4,6-Tribromophenol	150	140	93		44	137
		Terphenyl-d14	100	79.2	79		48	125
Q2019-04MS	MH-KMS	2-Fluorophenol	150	127	85		10	139
		Phenol-d6	150	115	77		10	134
		Nitrobenzene-d5	100	76.4	76		49	133
		2-Fluorobiphenyl	100	76.4	76		52	132
		2,4,6-Tribromophenol	150	131	87		44	137
		Terphenyl-d14	100	78.6	79		48	125
Q2019-04MSD	MH-KMSD	2-Fluorophenol	150	128	85		10	139
		Phenol-d6	150	115	77		10	134
		Nitrobenzene-d5	100	78.9	79		49	133
		2-Fluorobiphenyl	100	77.4	77		52	132
		2,4,6-Tribromophenol	150	140	93		44	137
		Terphenyl-d14	100	85.1	85		48	125
Q2032-09	COMP-1	2-Fluorophenol	150	140	93		10	139
		Phenol-d6	150	127	84		10	134
		Nitrobenzene-d5	100	79.8	80		49	133
		2-Fluorobiphenyl	100	82.2	82		52	132
		2,4,6-Tribromophenol	150	166	110		44	137
		Terphenyl-d14	100	86.5	86		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2019-04MS		**Client Sample ID: MH-KMS**						**DataFile:**	**BP024665.D**		
Pyridine	500	0	350	ug/L	70				10	109	
1,4-Dichlorobenzene	500	0	380	ug/L	76				55	125	
2-Methylphenol	500	0	430	ug/L	86				60	131	
3+4-Methylphenols	500	0	430	ug/L	86				54	136	
Hexachloroethane	500	0	350	ug/L	70				19	146	
Nitrobenzene	500	0	430	ug/L	86				62	112	
Hexachlorobutadiene	500	0	400	ug/L	80				52	125	
2,4,6-Trichlorophenol	500	0	480	ug/L	96				78	112	
2,4,5-Trichlorophenol	500	0	470	ug/L	94				71	111	
2,4-Dinitrotoluene	500	0	480	ug/L	96				74	137	
Hexachlorobenzene	500	0	450	ug/L	90				72	115	
Pentachlorophenol	1000	0	940	ug/L	94				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2032

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2019-04MSD		**Client Sample ID:** MH-KMSD						**DataFile:** BP024666.D			
Pyridine	500	0	320	ug/L	64	9			10	109	20
1,4-Dichlorobenzene	500	0	390	ug/L	78	3			55	125	20
2-Methylphenol	500	0	430	ug/L	86	0			60	131	20
3+4-Methylphenols	500	0	420	ug/L	84	2			54	136	20
Hexachloroethane	500	0	370	ug/L	74	6			19	146	20
Nitrobenzene	500	0	430	ug/L	86	0			62	112	20
Hexachlorobutadiene	500	0	420	ug/L	84	5			52	125	20
2,4,6-Trichlorophenol	500	0	500	ug/L	100	4			78	112	20
2,4,5-Trichlorophenol	500	0	490	ug/L	98	4			71	111	20
2,4-Dinitrotoluene	500	0	490	ug/L	98	2			74	137	20
Hexachlorobenzene	500	0	470	ug/L	94	4			72	115	20
Pentachlorophenol	1000	0	990	ug/L	99	5			52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2032

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024740.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168026BS	Pyridine	50	34.6	ug/L	69				29	97	
	1,4-Dichlorobenzene	50	41.8	ug/L	84				76	103	
	2-Methylphenol	50	40.2	ug/L	80				69	109	
	3+4-Methylphenols	50	39.6	ug/L	79				67	106	
	Hexachloroethane	50	39.0	ug/L	78				76	118	
	Nitrobenzene	50	39.0	ug/L	78				58	106	
	Hexachlorobutadiene	50	47.3	ug/L	95				69	101	
	2,4,6-Trichlorophenol	50	48.5	ug/L	97				61	110	
	2,4,5-Trichlorophenol	50	47.2	ug/L	94				70	106	
	2,4-Dinitrotoluene	50	45.4	ug/L	91				60	115	
	Hexachlorobenzene	50	46.4	ug/L	93				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168026BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: BP024652.D Lab Sample ID: PB168026BL

Instrument ID: BNA_P Date Extracted: 05/15/2025

Matrix: (soil/water) water Date Analyzed: 05/16/2025

Level: (low/med) LOW Time Analyzed: 11:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MH-KMS	Q2019-04MS	BP024665.D	05/16/2025
MH-KMSD	Q2019-04MSD	BP024666.D	05/16/2025
COMP-1	Q2032-09	BP024681.D	05/17/2025
PB168026BS	PB168026BS	BP024740.D	05/21/2025
PB167994TB	PB167994TB	BP024670.D	05/17/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.8
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	29
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
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	5.3
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: BP024650.D DFTPP Injection Date: 05/16/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.2
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	38.6
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	5.5
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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
SSTDCCC040	SSTDCCC040	BP024651.D	05/16/2025	10:49
PB168026BL	PB168026BL	BP024652.D	05/16/2025	11:30
MH-KMS	Q2019-04MS	BP024665.D	05/16/2025	20:22
MH-KMSD	Q2019-04MSD	BP024666.D	05/16/2025	21:03

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: BP024668.D DFTPP Injection Date: 05/16/2025

Instrument ID: BNA_P DFTPP Injection Time: 23:06

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.6
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	25.4
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35.5
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	5.1
275	10.0 - 60.0% of mass 198	24.9
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024669.D	05/16/2025	23:48
PB167994TB	PB167994TB	BP024670.D	05/17/2025	00:29
COMP-1	Q2032-09	BP024681.D	05/17/2025	08:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2032 SDG NO.: Q2032

Lab File ID: BP024736.D DFTPP Injection Date: 05/21/2025

Instrument ID: BNA_P DFTPP Injection Time: 12:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	24.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	34.3
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	5
275	10.0 - 60.0% of mass 198	24.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	16
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024737.D	05/21/2025	14:48
PB168026BS	PB168026BS	BP024740.D	05/21/2025	16:50

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BP024651.D Time Analyzed: 10:49

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	118329	7.657	478267	10.43	294926	14.29
	UPPER LIMIT	236658	8.157	956534	10.928	589852	14.792
	LOWER LIMIT	59164.5	7.157	239134	9.928	147463	13.792
	EPA SAMPLE NO.						
01	PB168026BL	146507	7.66	552664	10.43	320573	14.29
02	MH-KMS	147267	7.66	583402	10.43	362698	14.29
03	MH-KMSD	154221	7.66	604431	10.43	384414	14.29

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: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BP024651.D Time Analyzed: 10:49

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	598372	17.092	737536	21.521	900629	24.809
	UPPER LIMIT	1196740	17.592	1475070	22.021	1801260	25.309
	LOWER LIMIT	299186	16.592	368768	21.021	450315	24.309
	EPA SAMPLE NO.						
01	PB168026BL	613837	17.09	714296	21.52	864537	24.81
02	MH-KMS	717901	17.09	829483	21.53	1012510	24.80
03	MH-KMSD	774001	17.09	841480	21.52	998856	24.81

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: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BP024669.D Time Analyzed: 23:48

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	115474	7.657	498465	10.43	335025	14.29
	UPPER LIMIT	230948	8.157	996930	10.928	670050	14.792
	LOWER LIMIT	57737	7.157	249233	9.928	167513	13.792
	EPA SAMPLE NO.						
01	PB167994TB	116197	7.66	458489	10.43	292863	14.29
02	COMP-1	119996	7.66	448843	10.43	278421	14.29

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: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/16/2025

Lab File ID: BP024669.D Time Analyzed: 23:48

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	663361	17.086	775754	21.521	918787	24.792
	UPPER LIMIT	1326720	17.586	1551510	22.021	1837570	25.292
	LOWER LIMIT	331681	16.586	387877	21.021	459394	24.292
	EPA SAMPLE NO.						
01	PB167994TB	588603	17.09	710936	21.52	834201	24.80
02	COMP-1	578153	17.09	710416	21.52	884439	24.80

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: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BP024737.D Time Analyzed: 14:48

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	128557	7.646	504282	10.42	338214	14.29
	UPPER LIMIT	257114	8.146	1008560	10.916	676428	14.787
	LOWER LIMIT	64278.5	7.146	252141	9.916	169107	13.787
	EPA SAMPLE NO.						
01	PB168026BS	134273	7.65	511993	10.42	321175	14.29

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: CHEMTECH

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG NO.: Q2032

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/21/2025

Lab File ID: BP024737.D Time Analyzed: 14:48

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	643332	17.081	728456	21.51	831576	24.786
	UPPER LIMIT	1286660	17.581	1456910	22.01	1663150	25.286
	LOWER LIMIT	321666	16.581	364228	21.01	415788	24.286
	EPA SAMPLE NO.						
01	PB168026BS	621819	17.09	697911	21.51	814994	24.79

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: **BP024670.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PB167994TB	SDG No.:	Q2032
Lab Sample ID:	PB167994TB	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024670.D	1	05/15/25 12:00	05/17/25 00:29	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.2		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		52 - 132	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	135		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		48 - 125	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	116000	7.657			
1146-65-2	Naphthalene-d8	458000	10.434			
15067-26-2	Acenaphthene-d10	293000	14.292			
1517-22-2	Phenanthrene-d10	589000	17.092			
1719-03-5	Chrysene-d12	711000	21.521			
1520-96-3	Perylene-d12	834000	24.798			

Raw Data: **BP024670.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	05/15/25
Project:	South River WM Replacement			Date Received:	05/15/25
Client Sample ID:	PB167994TB			SDG No.:	Q2032
Lab Sample ID:	PB167994TB			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024670.D	1	05/15/25 12:00	05/17/25 00:29	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP024670.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024670.D
Acq On : 17 May 2025 00:29
Operator : RC/JU
Sample : PB167994TB
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Quant Time: May 17 03:40:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

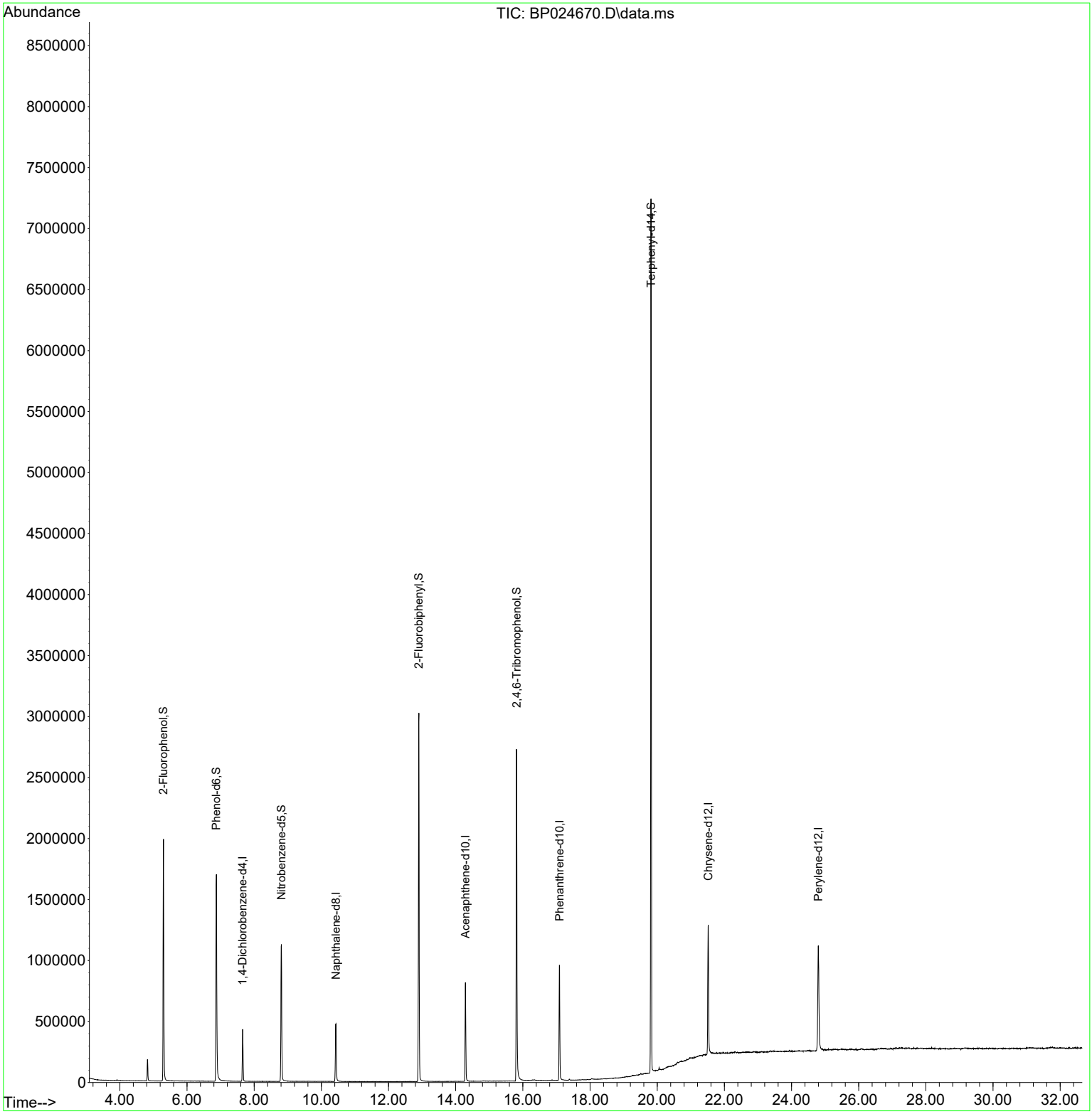
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	116197	20.000	ng	0.00
21) Naphthalene-d8	10.434	136	458489	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	292863	20.000	ng	-0.01
64) Phenanthrene-d10	17.092	188	588603	20.000	ng	0.00
76) Chrysene-d12	21.521	240	710936	20.000	ng	0.00
86) Perylene-d12	24.798	264	834201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	907833	133.629	ng	0.01
7) Phenol-d6	6.875	99	1119124	129.071	ng	0.02
23) Nitrobenzene-d5	8.810	82	673162	74.184	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	669725	134.893	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1624400	72.668	ng	0.00
79) Terphenyl-d14	19.816	244	3454852	83.327	ng	0.00
Target Compounds						Qvalue

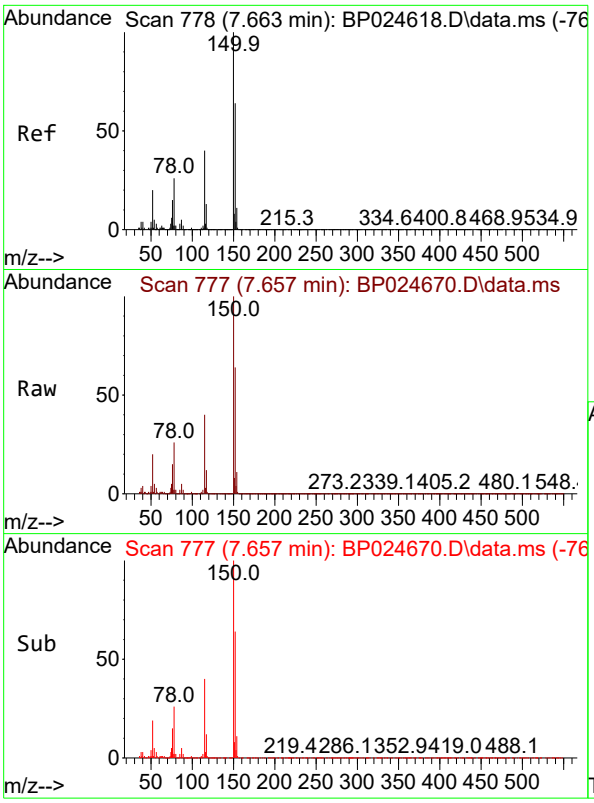
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024670.D
Acq On : 17 May 2025 00:29
Operator : RC/JU
Sample : PB167994TB
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Quant Time: May 17 03:40:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



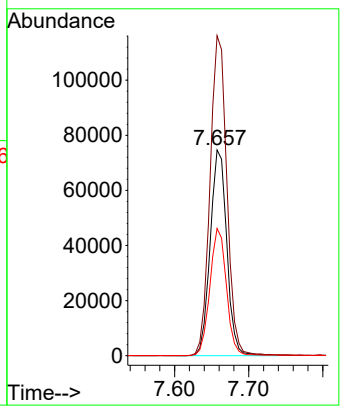


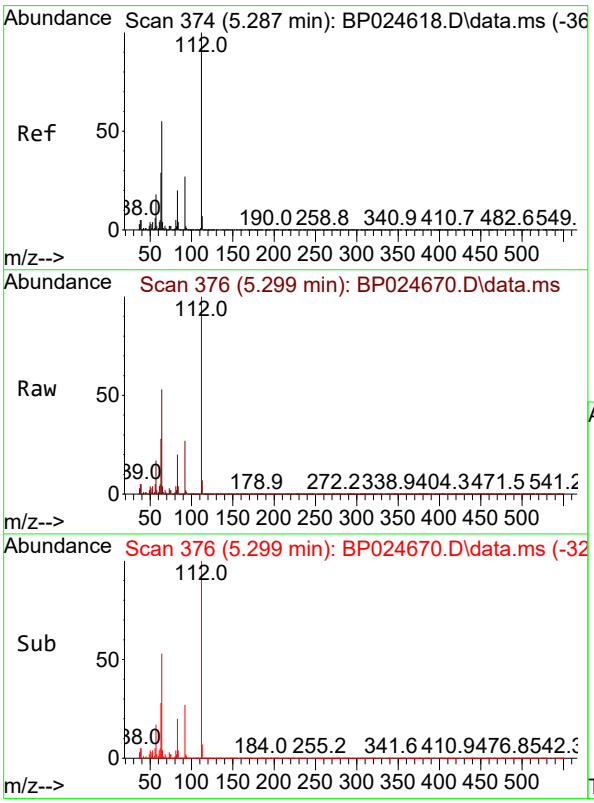
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion:152 Resp: 116197

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.9	188.9
115	61.9	50.1	75.1

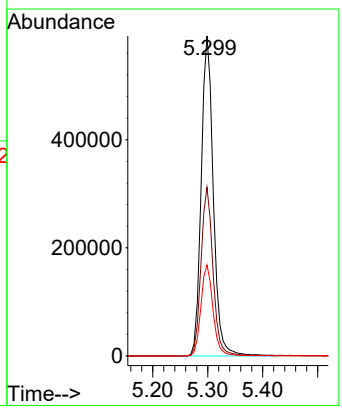


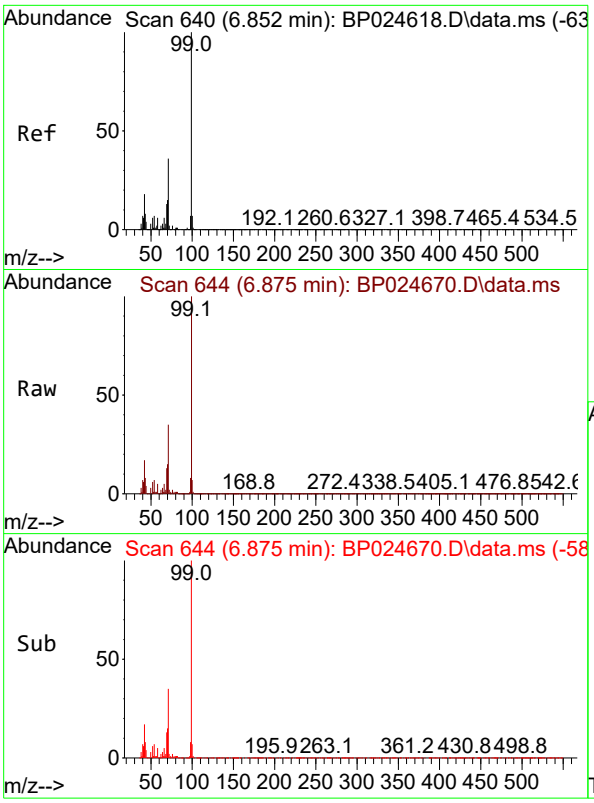


#5
2-Fluorophenol
Concen: 133.629 ng
RT: 5.299 min Scan# 376
Delta R.T. 0.012 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:112 Resp: 907833

Ion	Ratio	Lower	Upper
112	100		
64	52.7	44.1	66.1
63	28.4	23.5	35.3



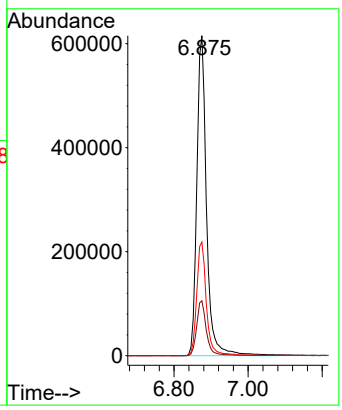


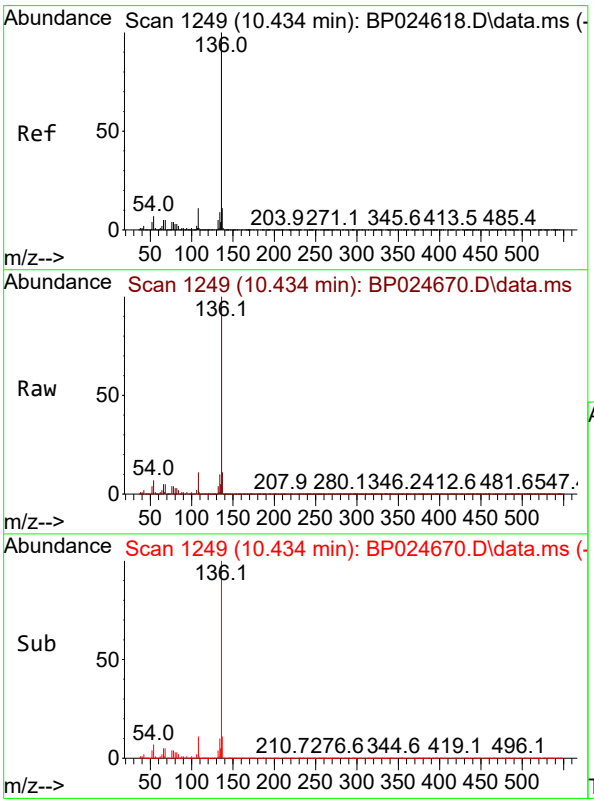
#7
Phenol-d6
Concen: 129.071 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.023 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion: 99 Resp: 1119124

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.4	21.6
71	35.5	29.2	43.8

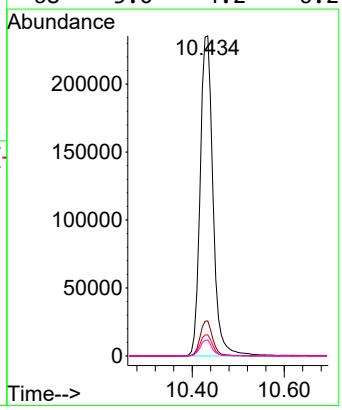


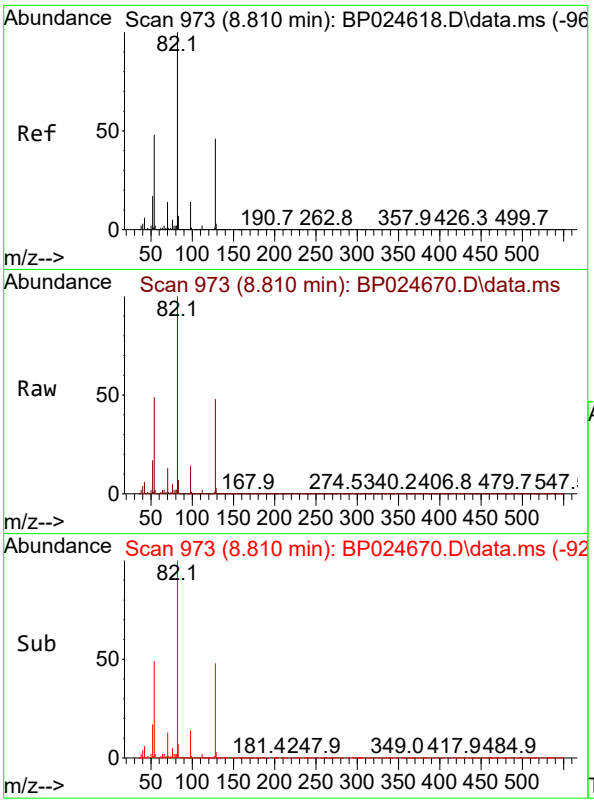


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:136 Resp: 458489

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	6.6	5.5	8.3
68	5.0	4.2	6.2



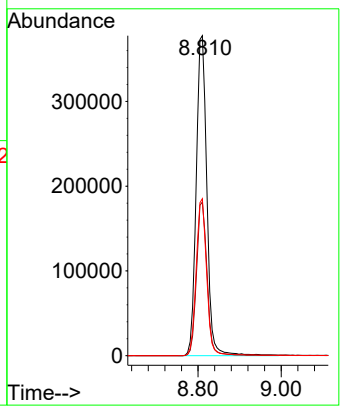


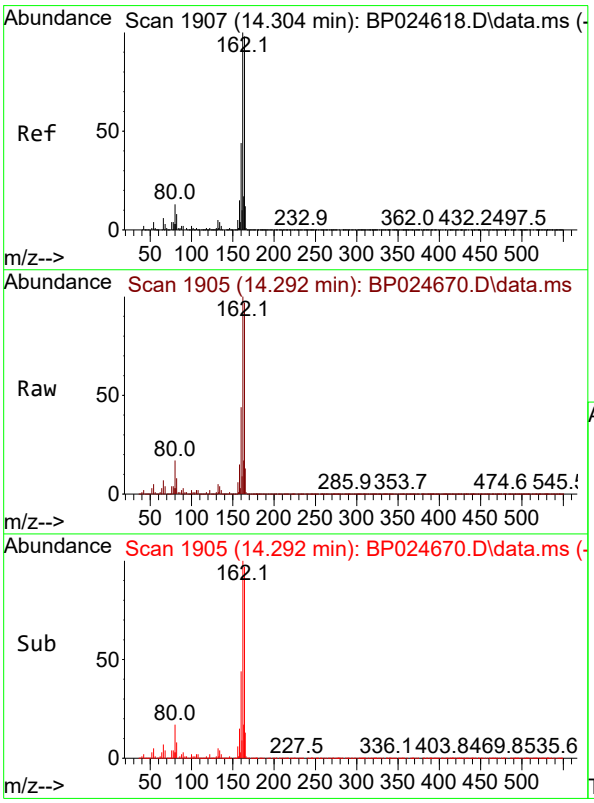
#23
Nitrobenzene-d5
Concen: 74.184 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion: 82 Resp: 673162

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.4
54	49.1	38.7	58.1

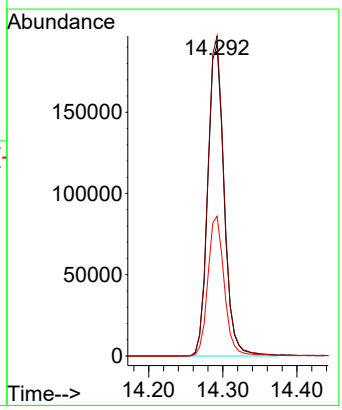


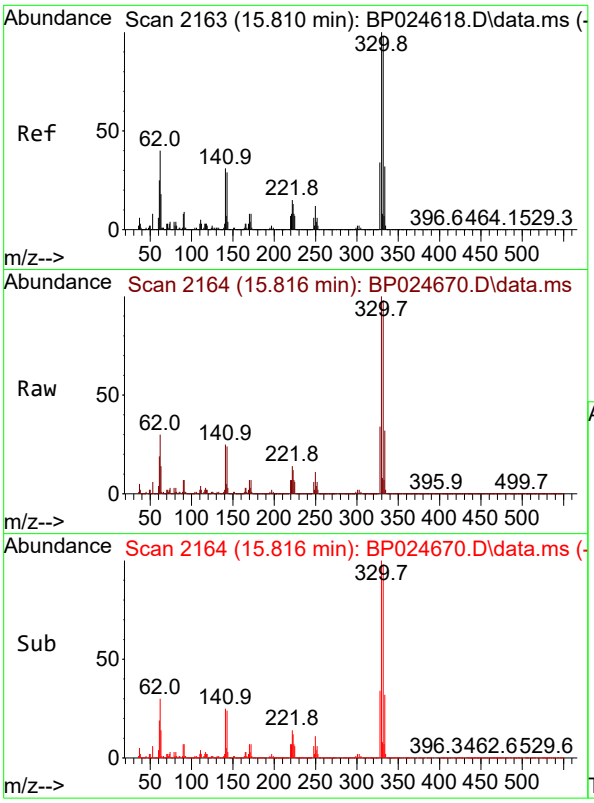


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:164 Resp: 292863

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	44.8	36.3	54.5



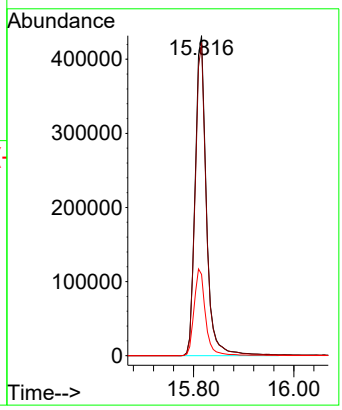


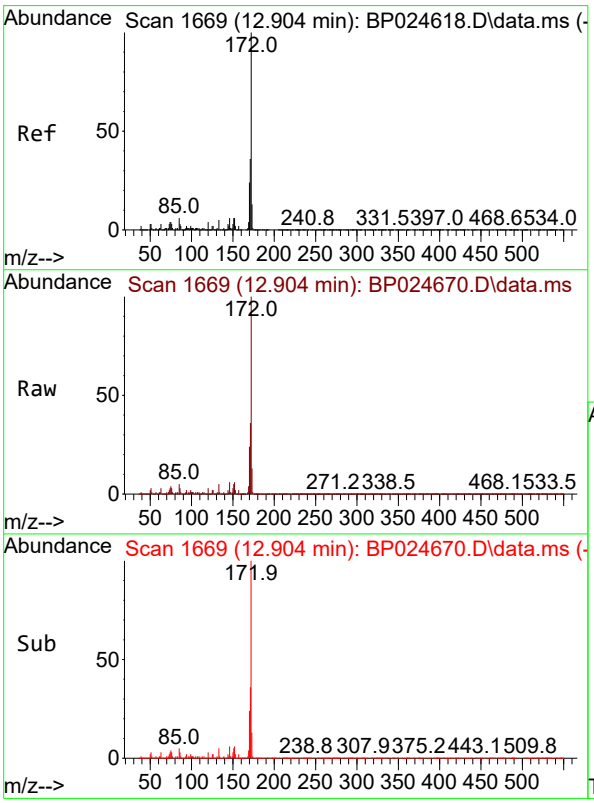
#42
2,4,6-Tribromophenol
Concen: 134.893 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion:330 Resp: 669725

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.2	117.4
141	27.7	24.3	36.5

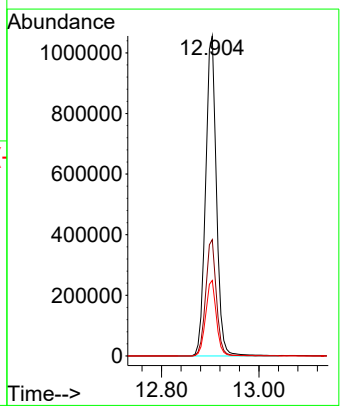


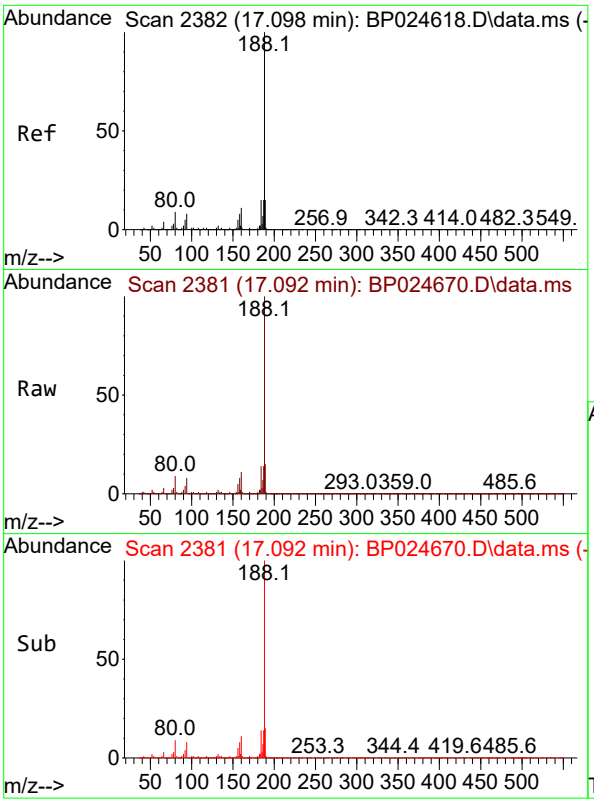


#45
2-Fluorobiphenyl
Concen: 72.668 ng
RT: 12.904 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:172 Resp: 1624400

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.8	43.2
170	23.6	18.8	28.2



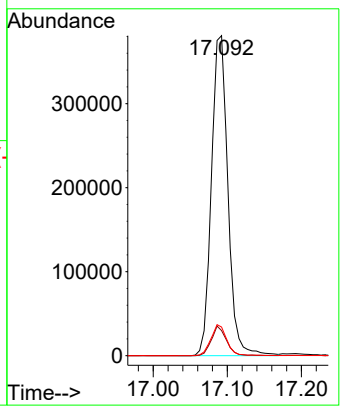


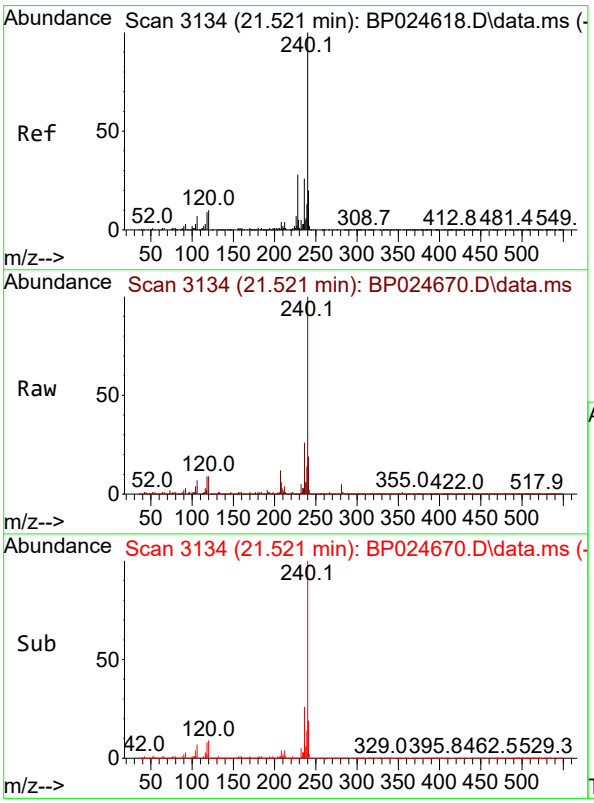
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion:188 Resp: 588603

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.5	9.7
80	9.0	7.3	10.9

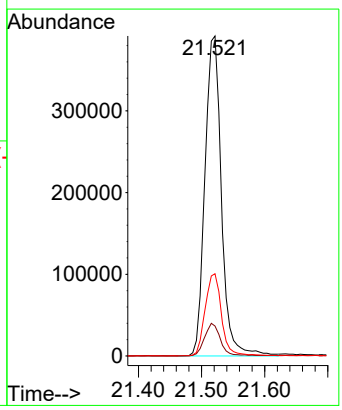


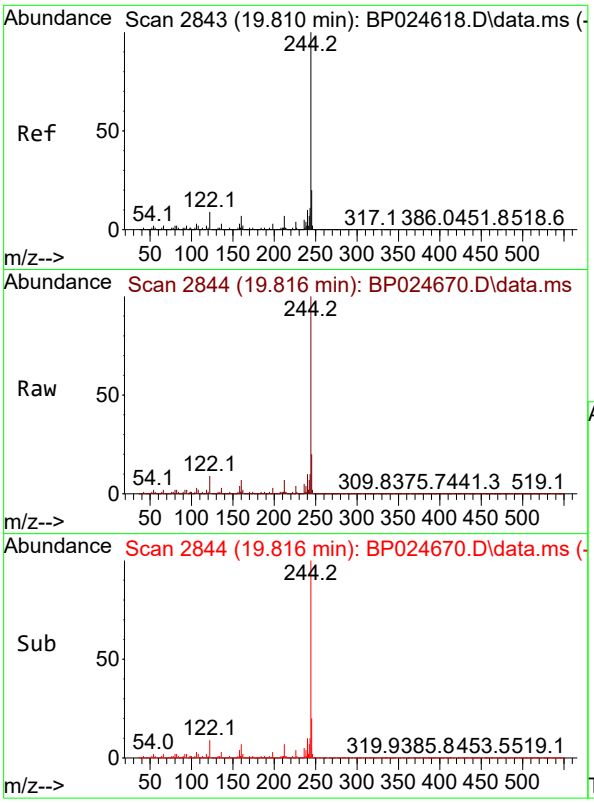


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:240 Resp: 710936

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.8	11.6
236	25.7	20.6	31.0



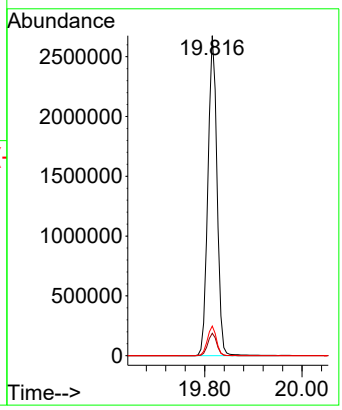


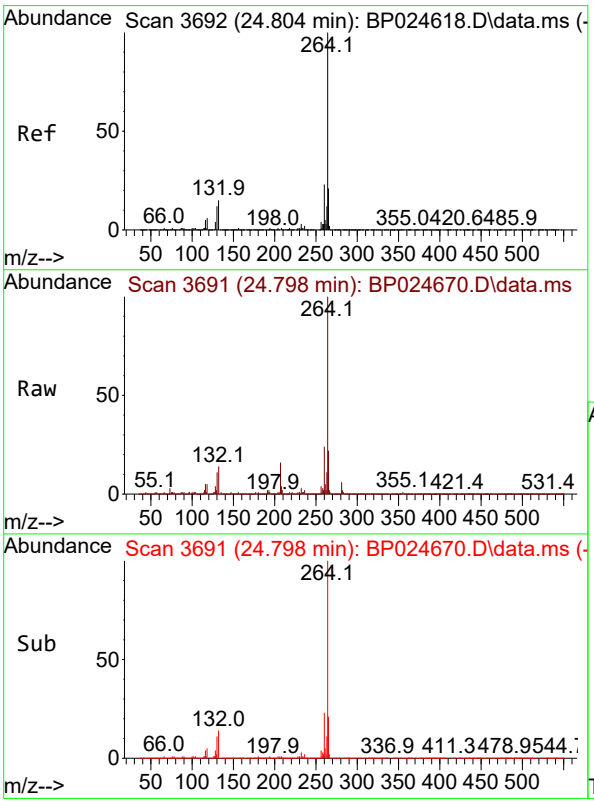
#79
Terphenyl-d14
Concen: 83.327 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Instrument :
BNA_P
ClientSampleId :
PB167994TB

Tgt Ion:244 Resp: 3454852

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	9.3	7.4	11.0

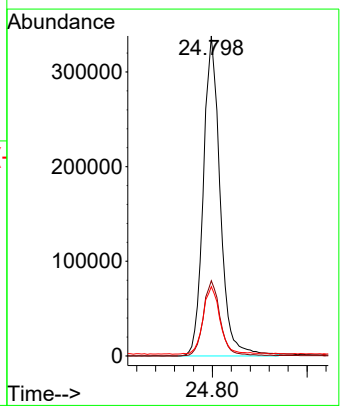




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.798 min Scan# 3691
Delta R.T. -0.006 min
Lab File: BP024670.D
Acq: 17 May 2025 00:29

Tgt Ion:264 Resp: 834201

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.7	17.0	25.6



Raw Data: **BP024681.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	COMP-1	SDG No.:	Q2032
Lab Sample ID:	Q2032-09	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024681.D	1	05/15/25 12:00	05/17/25 08:01	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	93%	SPK: 150
13127-88-3	Phenol-d6	127		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.8		49 - 133	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.2		52 - 132	82%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		44 - 137	110%	SPK: 150
1718-51-0	Terphenyl-d14	86.5		48 - 125	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	120000	7.657			
1146-65-2	Naphthalene-d8	449000	10.428			
15067-26-2	Acenaphthene-d10	278000	14.292			
1517-22-2	Phenanthrene-d10	578000	17.086			
1719-03-5	Chrysene-d12	710000	21.515			
1520-96-3	Perylene-d12	884000	24.803			

Raw Data: **BP024681.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	05/13/25
Project:	South River WM Replacement			Date Received:	05/13/25
Client Sample ID:	COMP-1			SDG No.:	Q2032
Lab Sample ID:	Q2032-09			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024681.D	1	05/15/25 12:00	05/17/25 08:01	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP024681.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024681.D
Acq On : 17 May 2025 08:01
Operator : RC/JU
Sample : Q2032-09
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
COMP-1

Quant Time: May 19 01:08:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	119996	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	448843	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	278421	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	578153	20.000	ng	-0.01
76) Chrysene-d12	21.515	240	710416	20.000	ng	0.00
86) Perylene-d12	24.803	264	884439	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	983706	140.213	ng	0.01
7) Phenol-d6	6.875	99	1134686	126.723	ng	0.02
23) Nitrobenzene-d5	8.810	82	708845	79.795	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	782153	165.709	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	1747911	82.249	ng	0.00
79) Terphenyl-d14	19.815	244	3582646	86.472	ng	0.00
Target Compounds						Qvalue

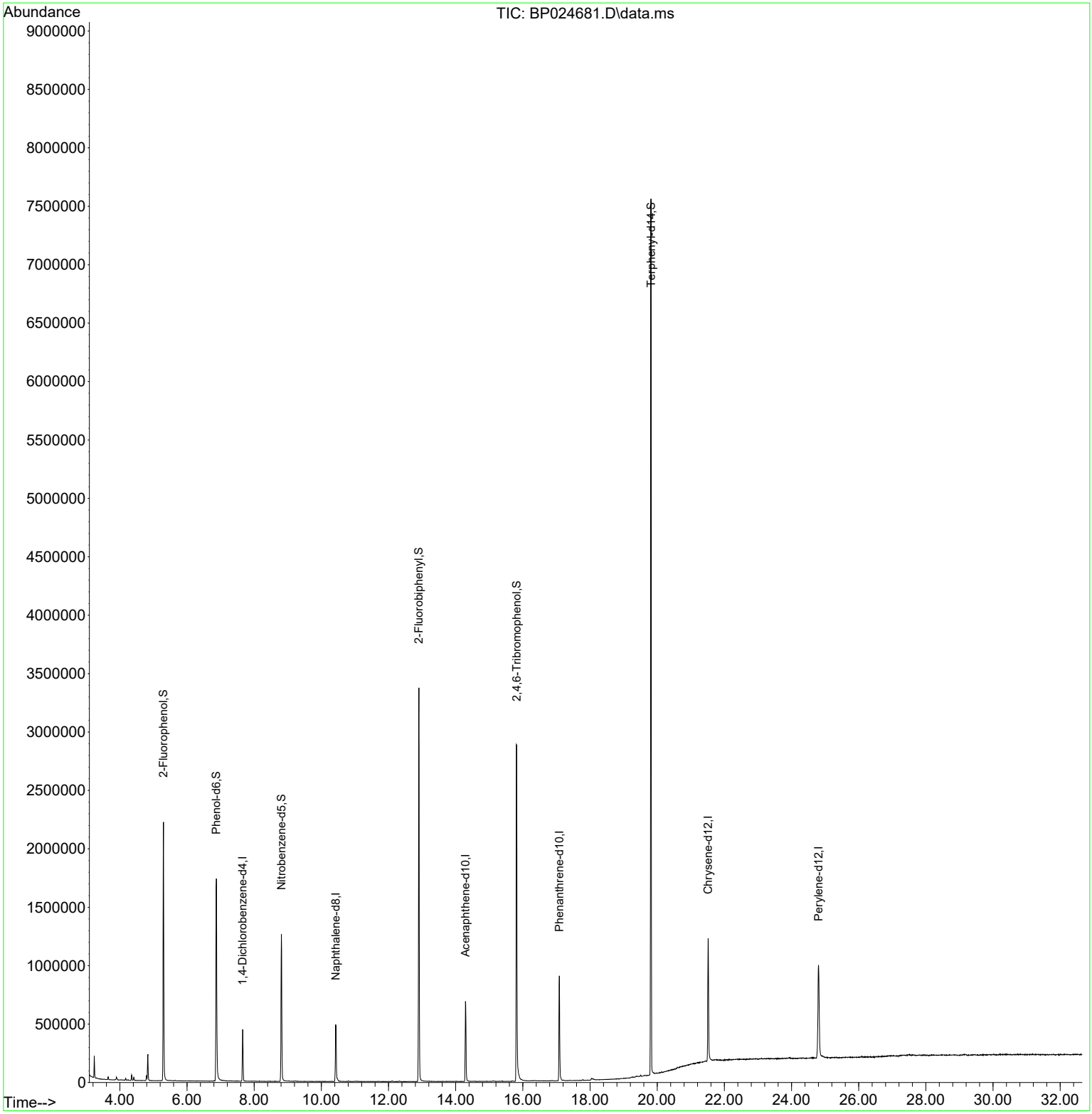
(#) = qualifier out of range (m) = manual integration (+) = signals summed

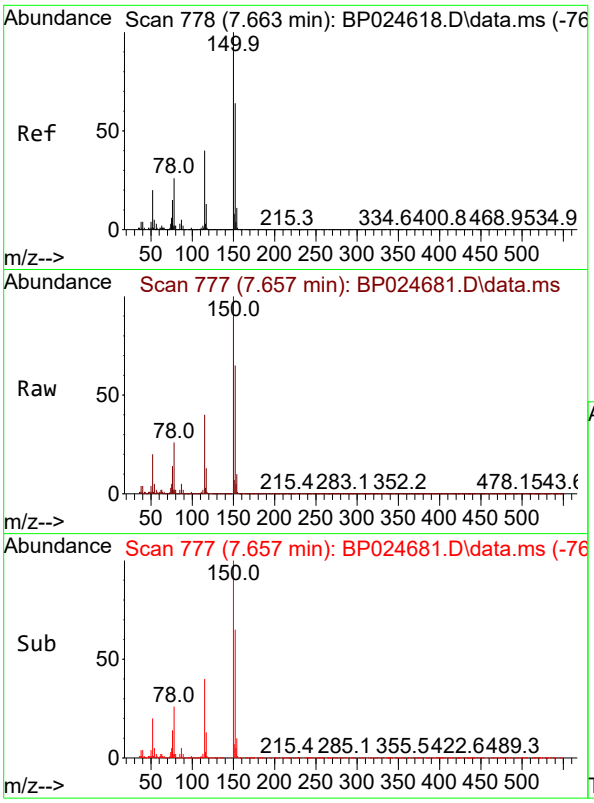
Sample Results: **BP024681.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024681.D
Acq On : 17 May 2025 08:01
Operator : RC/JU
Sample : Q2032-09
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
COMP-1

Quant Time: May 19 01:08:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



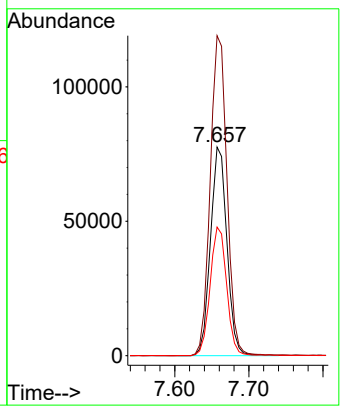


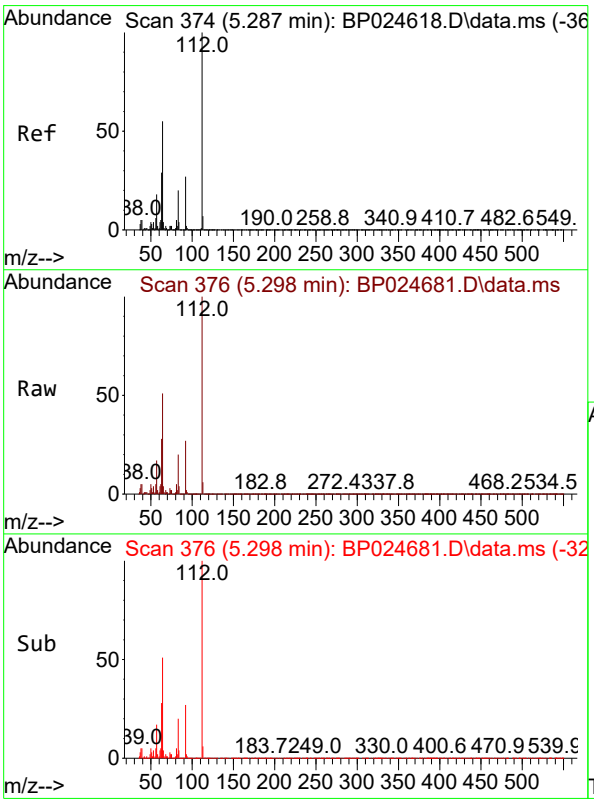
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.657 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 119996

Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.9	188.9
115	61.6	50.1	75.1

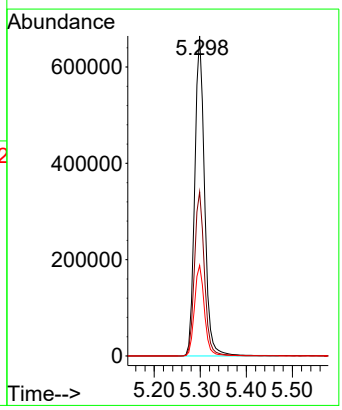


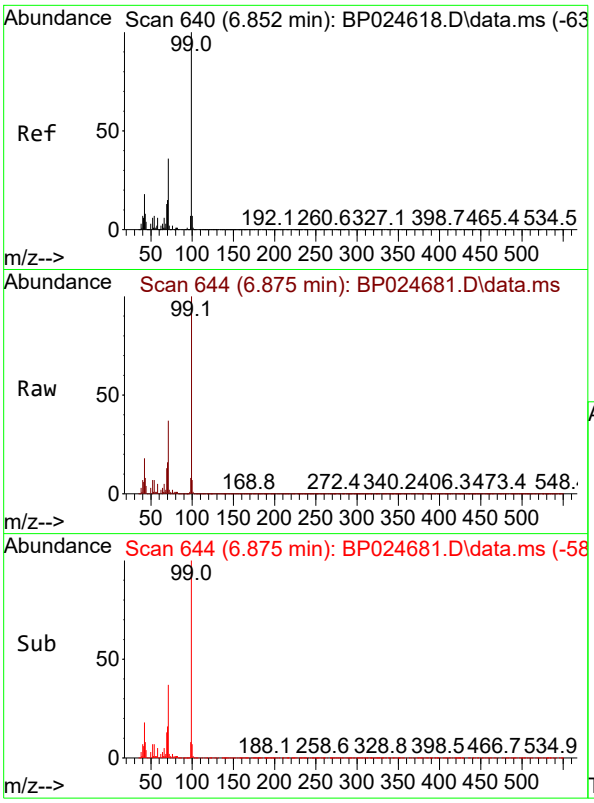


#5
2-Fluorophenol
Concen: 140.213 ng
RT: 5.298 min Scan# 376
Delta R.T. 0.011 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:112 Resp: 983706

Ion	Ratio	Lower	Upper
112	100		
64	51.2	44.1	66.1
63	28.3	23.5	35.3



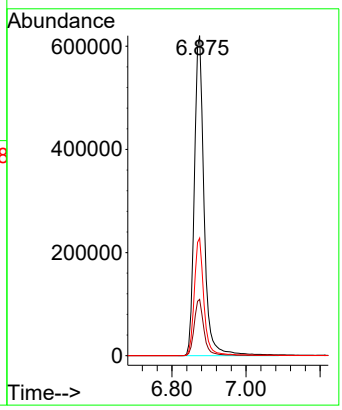


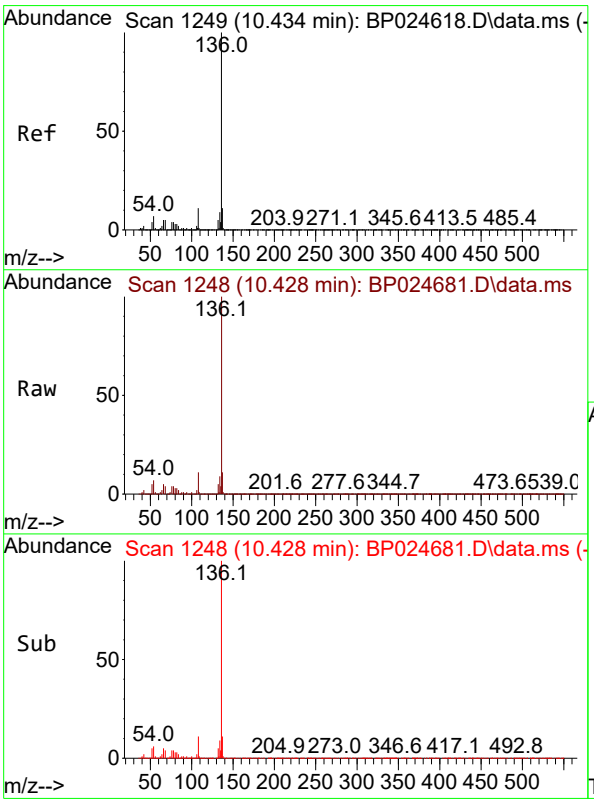
#7
Phenol-d6
Concen: 126.723 ng
RT: 6.875 min Scan# 64
Delta R.T. 0.023 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 1134686

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.4	21.6
71	36.7	29.2	43.8

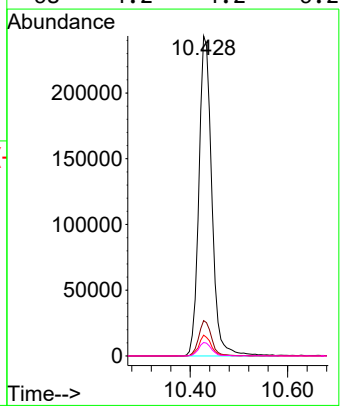


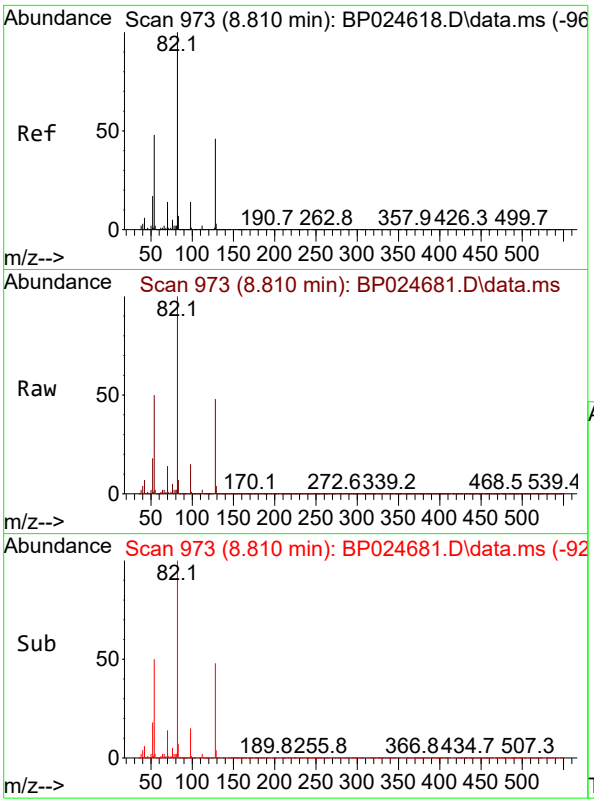


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:136 Resp: 448843

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.5	5.5	8.3
68	4.2	4.2	6.2



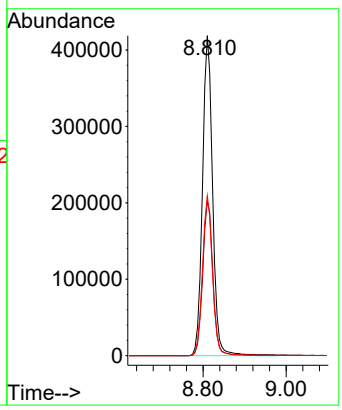


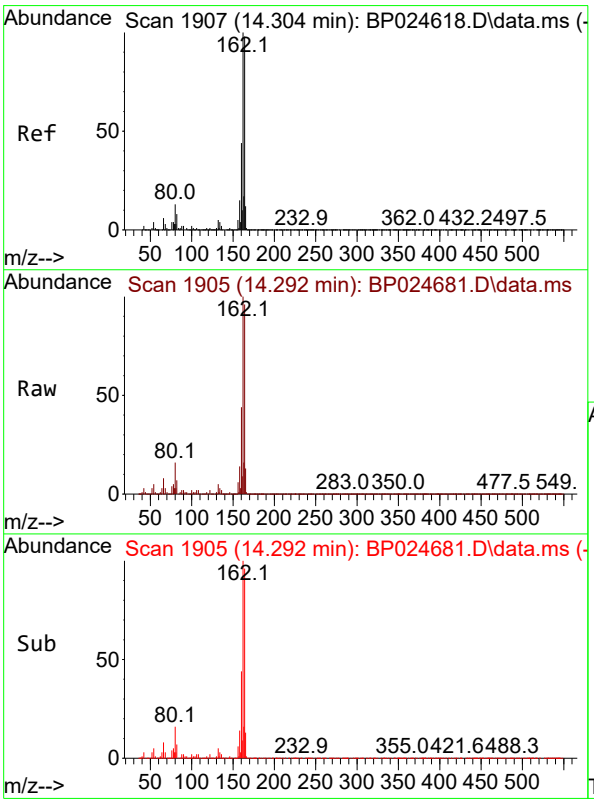
#23
Nitrobenzene-d5
Concen: 79.795 ng
RT: 8.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 708845

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.0	55.4
54	50.0	38.7	58.1

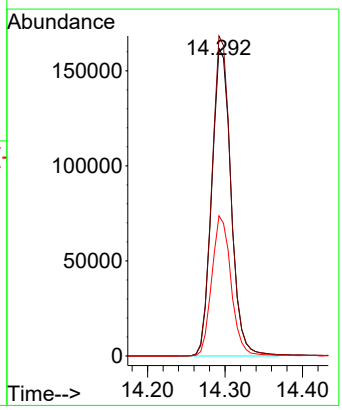


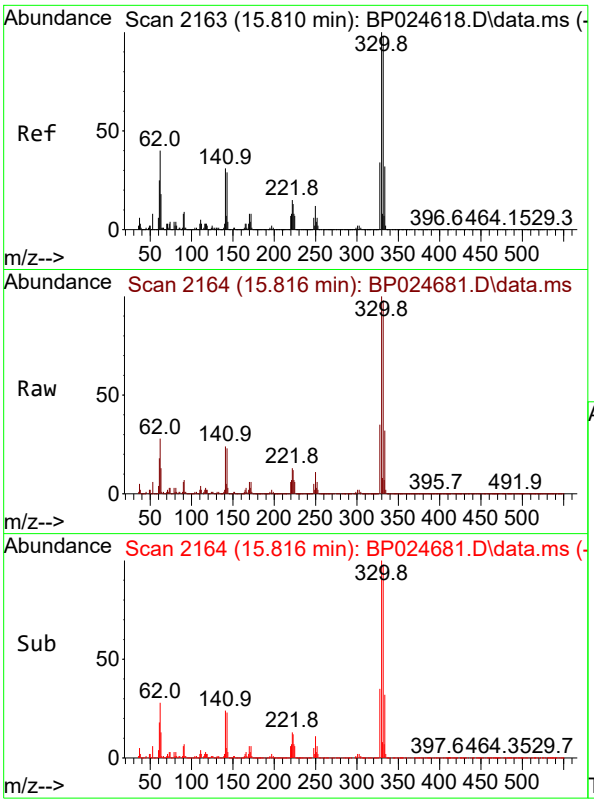


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:164 Resp: 278421

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.8	122.6
160	45.6	36.3	54.5



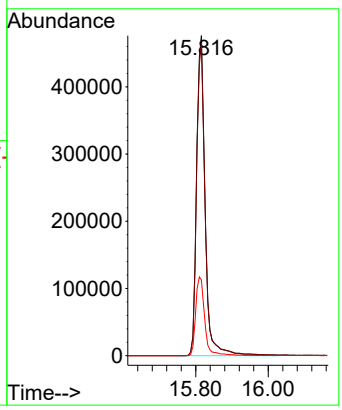


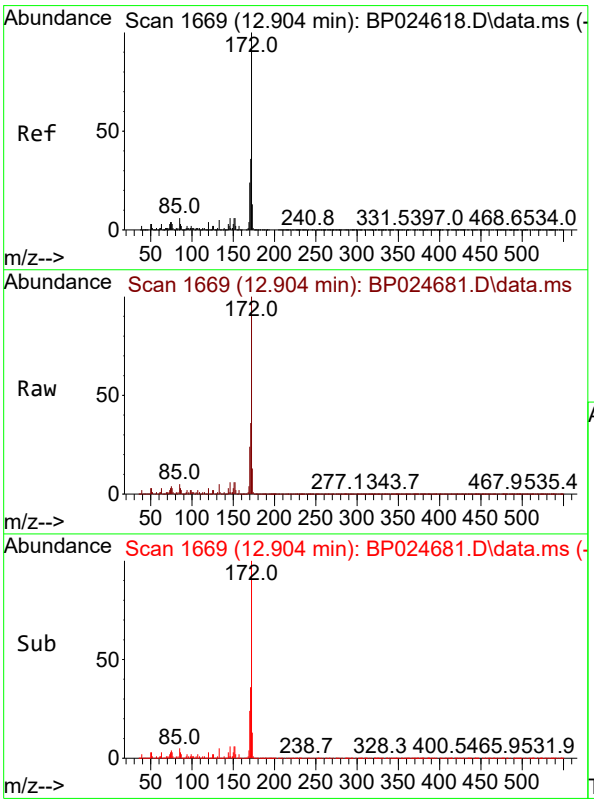
#42
2,4,6-Tribromophenol
Concen: 165.709 ng
RT: 15.816 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion:330 Resp: 782153

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.2	117.4
141	26.0	24.3	36.5

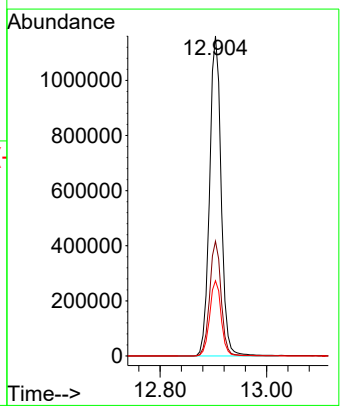


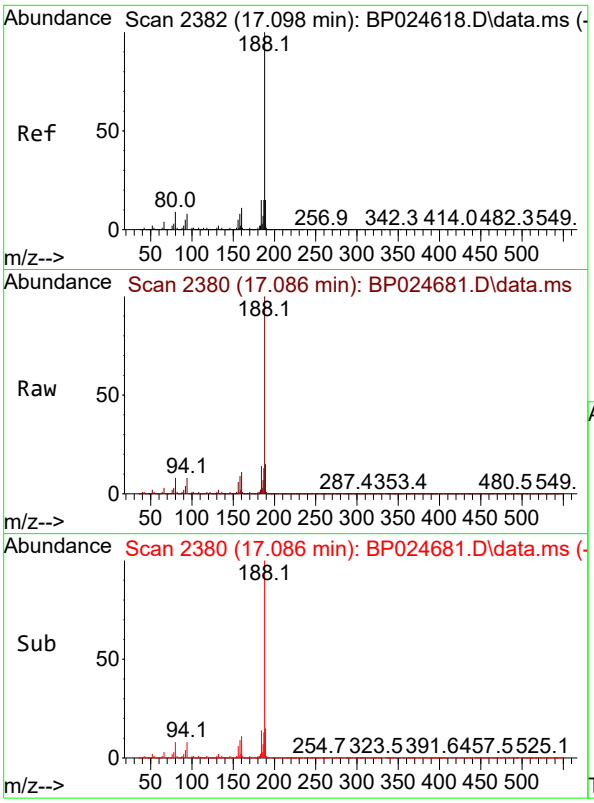


#45
2-Fluorobiphenyl
Concen: 82.249 ng
RT: 12.904 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:172 Resp: 1747911

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	18.8	28.2



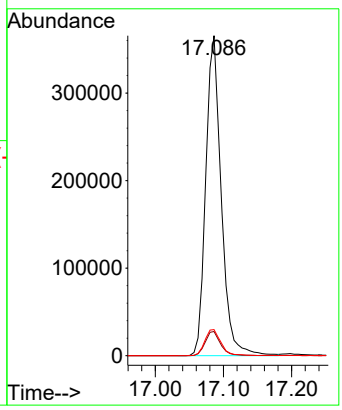


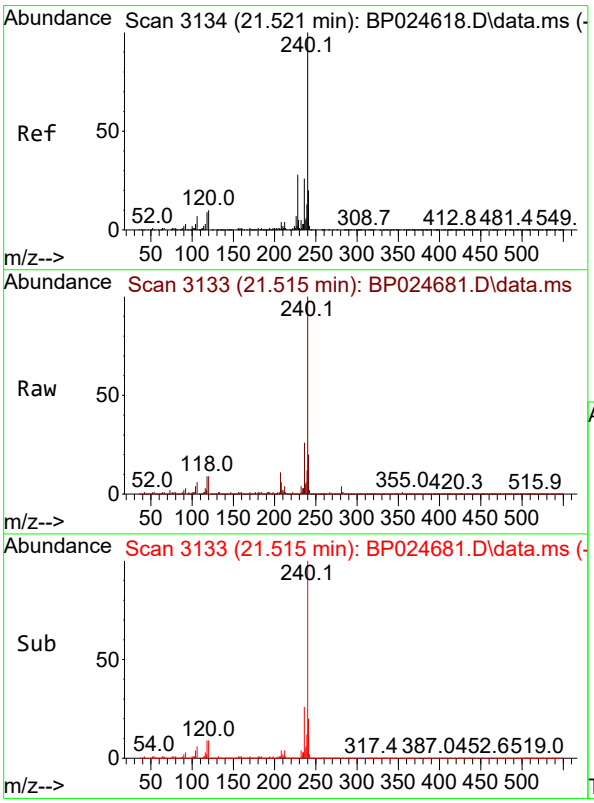
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion:188 Resp: 578153

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.5	9.7
80	8.1	7.3	10.9

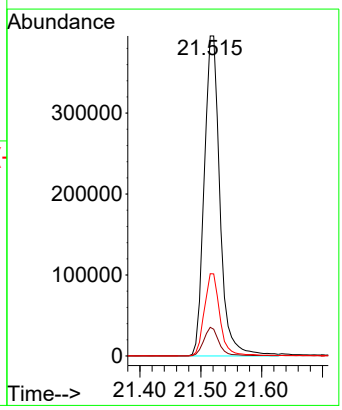


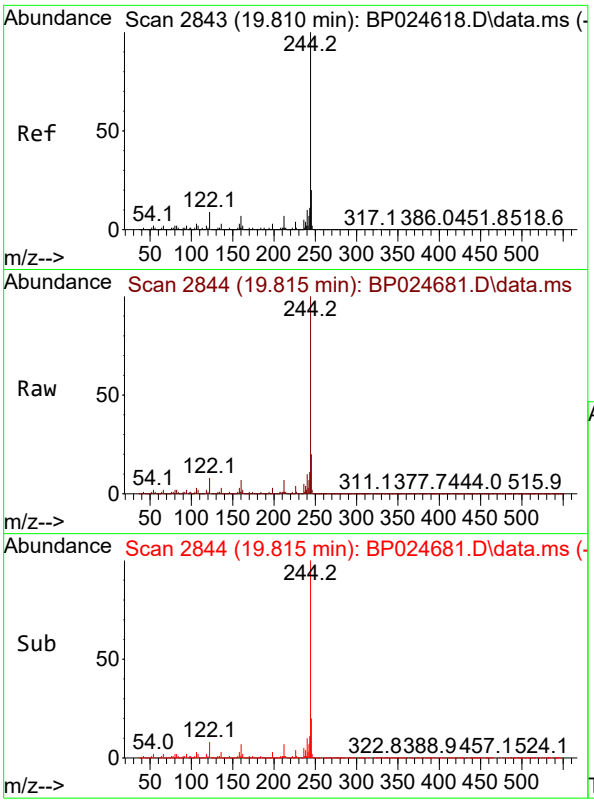


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.515 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:240 Resp: 710416

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.8	11.6
236	25.7	20.6	31.0



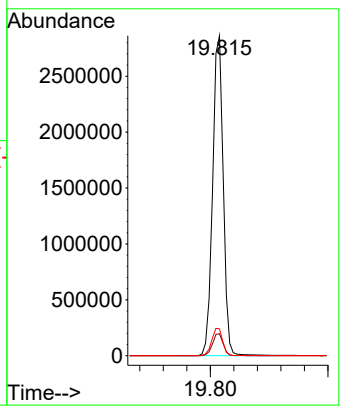


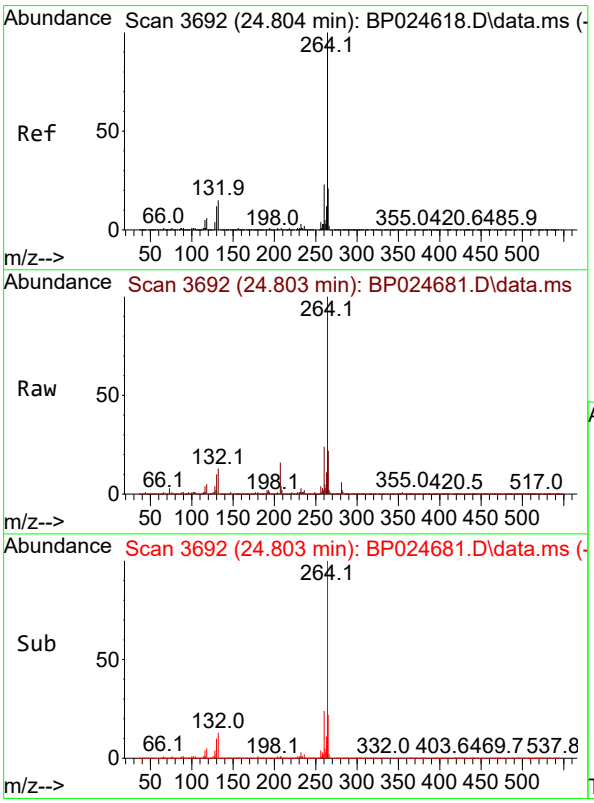
#79
Terphenyl-d14
Concen: 86.472 ng
RT: 19.815 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Instrument :
BNA_P
ClientSampleId :
COMP-1

Tgt Ion:244 Resp: 3582646

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	7.4	11.0

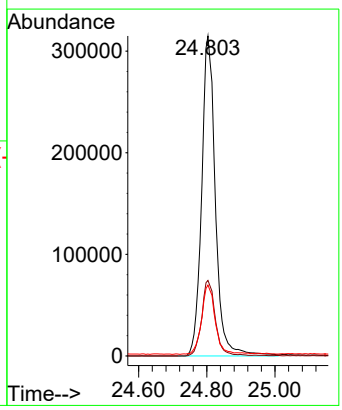




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.803 min Scan# 3692
Delta R.T. -0.000 min
Lab File: BP024681.D
Acq: 17 May 2025 08:01

Tgt Ion:264 Resp: 884439

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	22.2	17.0	25.6



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_P Calibration Date(s): 05/13/2025 05/13/2025

Calibration Time(s): 10:41 15:26

LAB FILE ID: RRF2.5 = BP024614.D RRF005 = BP024615.D RRF010 = BP024616.D
RRF020 = BP024617.D RRF040 = BP024618.D RRF050 = BP024619.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.054	1.135	1.202	1.198	1.363	1.218	8.6
2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.169	5.5
Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.492	9.1
1,4-Dichlorobenzene		1.558	1.505	1.525	1.470	1.637	1.536	3.7
2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.105	10.3
3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.503	12.2
Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.396	4.7
Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.589	4.0
Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.348	4.0
Hexachlorobutadiene		0.231	0.214	0.211	0.198	0.222	0.213	5.1
2,4,6-Trichlorophenol		0.305	0.341	0.375	0.371	0.428	0.376	11.3
2-Fluorobiphenyl		1.601	1.498	1.553	1.432	1.602	1.527	4.1
2,4,5-Trichlorophenol		0.376	0.375	0.418	0.404	0.471	0.419	8.7
2,4-Dinitrotoluene		0.400	0.422	0.456	0.454	0.508	0.454	7.9
2,4,6-Tribromophenol		0.324	0.321	0.335	0.323	0.369	0.339	5.5
Hexachlorobenzene		0.303	0.288	0.298	0.282	0.321	0.299	4.2
Pentachlorophenol		0.124	0.137	0.163	0.172	0.198	0.168	17.1
Terphenyl-d14		1.192	1.113	1.165	1.125	1.226	1.166	3.3

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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

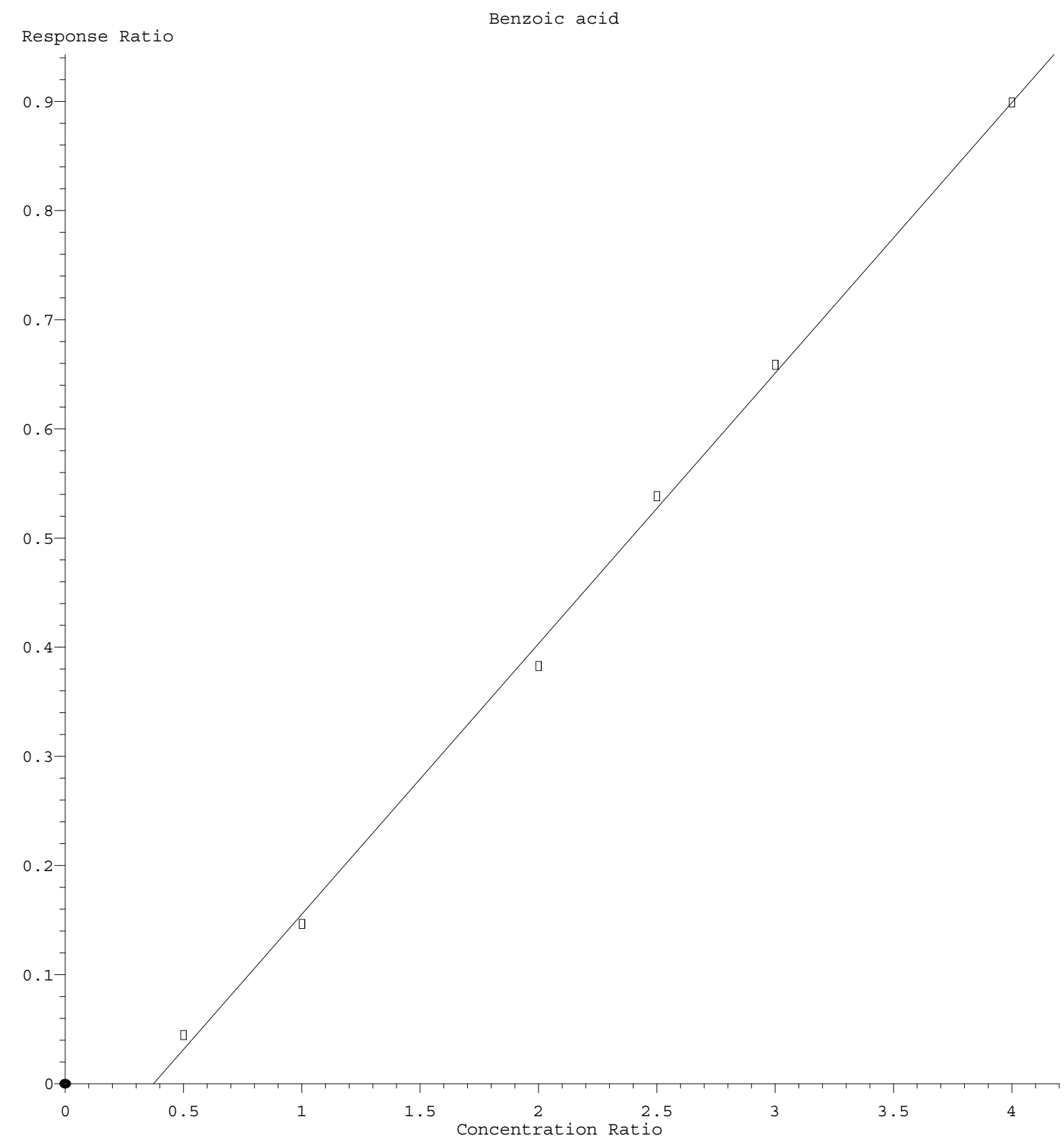
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

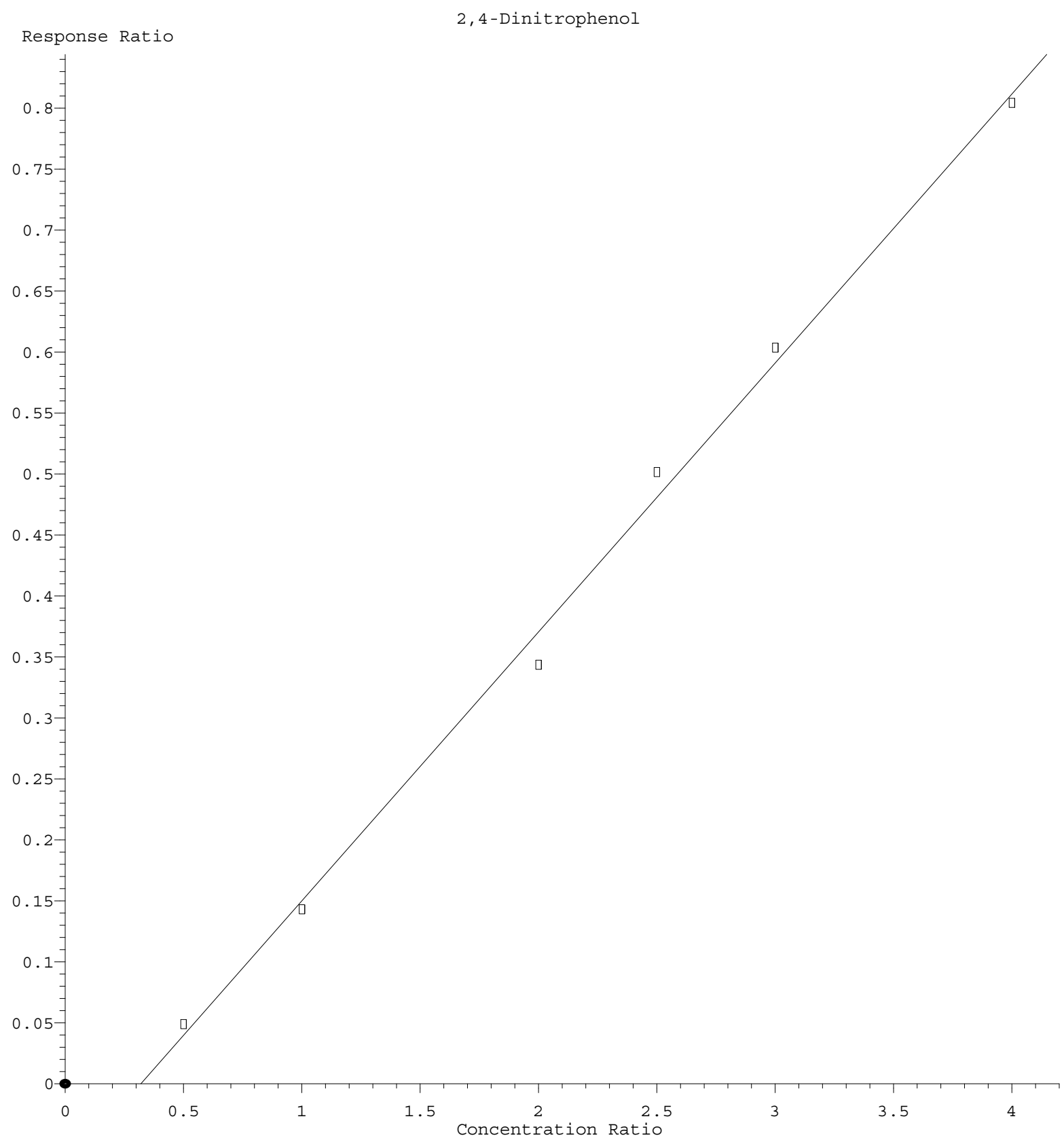
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

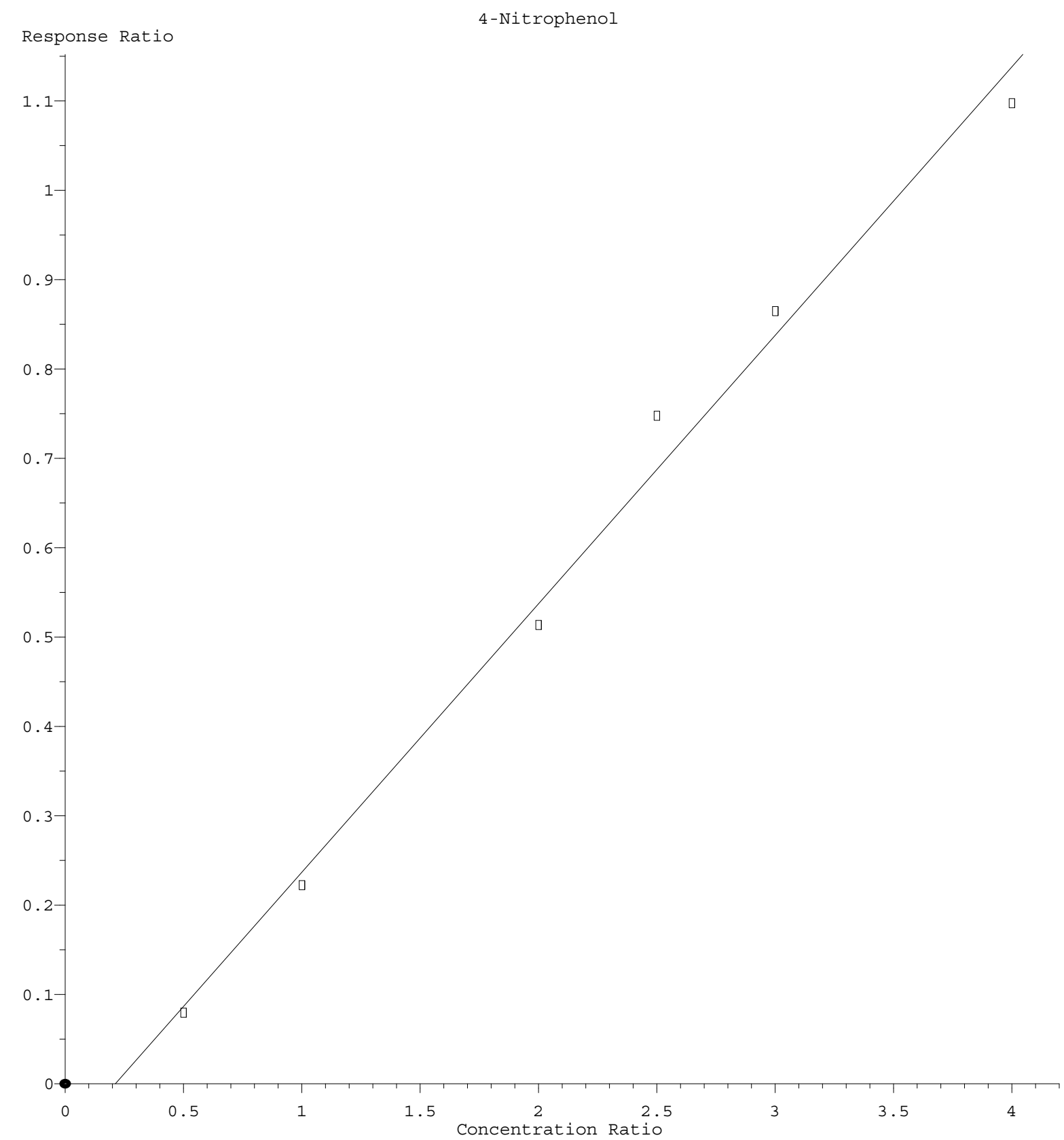
(#) = Out of Range



Response = 2.481e-001 * Amt - 9.265e-002
Coef of Det (r^2) = 0.998338 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 2.207e-001 * Amt - 7.063e-002
Coef of Det (r^2) = 0.996311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 3.005e-001 * Amt - 6.362e-002
Coef of Det (r^2) = 0.991009 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270E-BP051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.658	152	105461	20.00	ng	0.00
21) Naphthalene-d8	10.428	136	434352	20.00	ng	0.00
39) Acenaphthene-d10	14.287	164	287970	20.00	ng	-0.02
64) Phenanthrene-d10	17.092	188	596044	20.00	ng	0.00
76) Chrysene-d12	21.516	240	663028	20.00	ng	0.00
86) Perylene-d12	24.780	264	769627	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.00	ng	
7) Phenol-d6	0.000	99	0d	0.00	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.00	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.00	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.00	ng	
79) Terphenyl-d14	0.000	244	0d	0.00	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.458	70	11601	2.13	ng	96

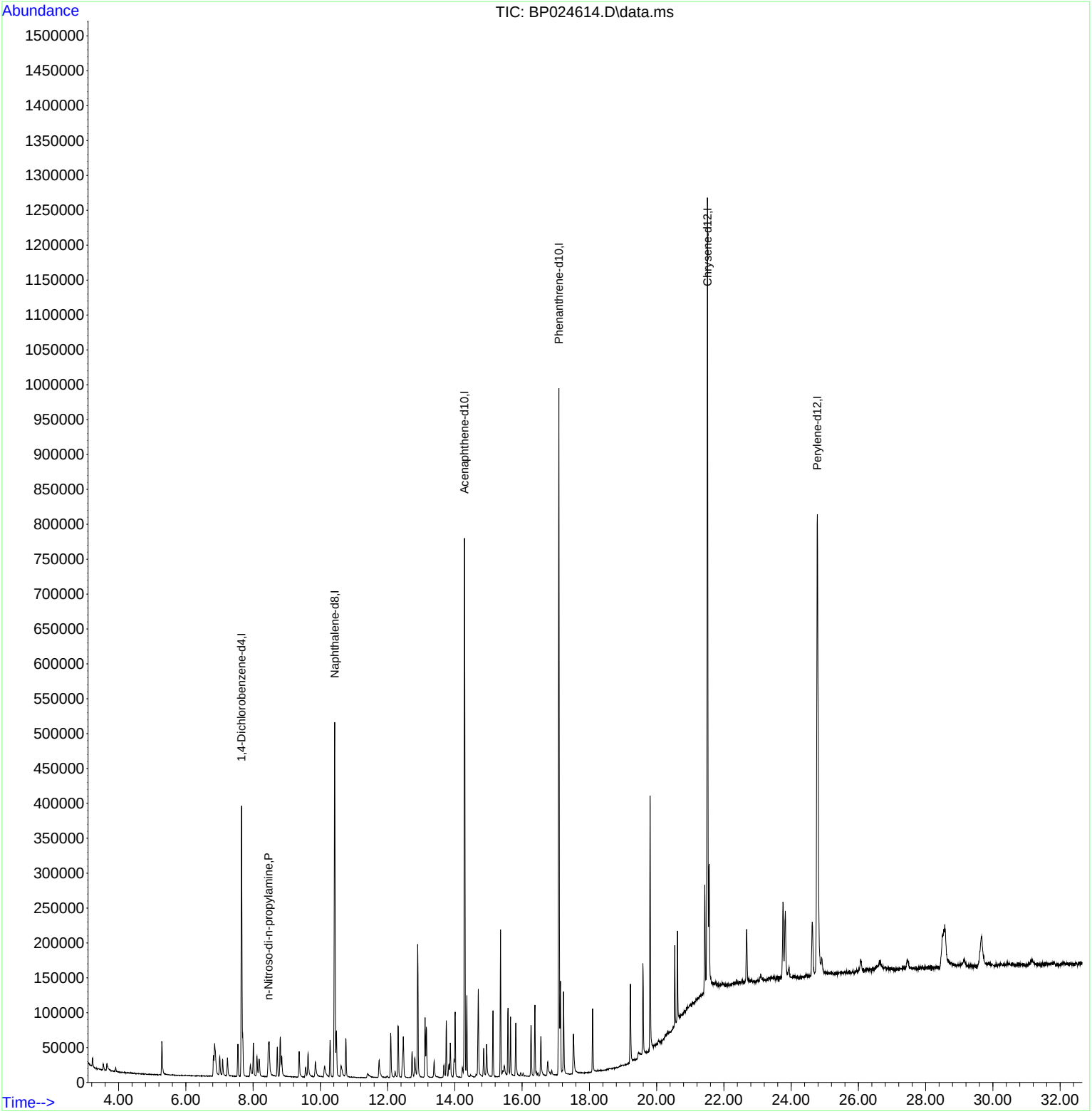
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024614.D
Acq On : 13 May 2025 10:41
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: May 13 16:01:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	90088	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	378055	20.00	ng		0.00
39) Acenaphthene-d10	14.293	164	254561	20.00	ng		-0.01
64) Phenanthrene-d10	17.092	188	531548	20.00	ng		0.00
76) Chrysene-d12	21.522	240	614288	20.00	ng		0.00
86) Perylene-d12	24.810	264	724260	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	51093	9.70	ng		0.00
7) Phenol-d6	6.858	99	58619	8.72	ng		0.00
23) Nitrobenzene-d5	8.811	82	72056	9.63	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	41219	9.55	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	203719	10.48	ng		0.00
79) Terphenyl-d14	19.822	244	366245	10.22	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	14435	5.84	ng		95
3) Pyridine	3.646	79	23737	4.33	ng	#	91
4) n-Nitrosodimethylamine	3.546	42	12080	4.99	ng	#	96
6) Aniline	7.011	93	38664	4.45	ng		97
8) 2-Chlorophenol	7.240	128	27022	4.52	ng		93
9) Benzaldehyde	6.828	77	22328m	5.14	ng		
10) Phenol	6.887	94	30912	4.46	ng		98
11) bis(2-Chloroethyl)ether	7.099	93	29668	5.20	ng		97
12) 1,3-Dichlorobenzene	7.552	146	35946	5.23	ng		96
13) 1,4-Dichlorobenzene	7.699	146	35091	5.07	ng		95
14) 1,2-Dichlorobenzene	8.011	146	34458	5.11	ng		99
15) Benzyl Alcohol	7.917	79	19888	3.89	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.193	45	34754	5.09	ng		95
17) 2-Methylphenol	8.116	107	21754	4.37	ng		97
18) Hexachloroethane	8.728	117	13650	5.15	ng		96
19) n-Nitroso-di-n-propyla...	8.464	70	22015	4.73	ng		98
20) 3+4-Methylphenols	8.452	107	27500	4.06	ng		97
22) Acetophenone	8.487	105	45968	4.87	ng	#	99
24) Nitrobenzene	8.852	77	31500	4.78	ng		97
25) Isophorone	9.375	82	60855	4.69	ng		98
26) 2-Nitrophenol	9.569	139	12786	3.96	ng		95
27) 2,4-Dimethylphenol	9.628	122	25830	4.54	ng		92
28) bis(2-Chloroethoxy)met...	9.858	93	38071	4.91	ng		97
29) 2,4-Dichlorophenol	10.122	162	23623	4.29	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	32699	5.26	ng		99
31) Naphthalene	10.481	128	100564	5.13	ng		100
33) 4-Chloroaniline	10.616	127	32908	4.16	ng		99
34) Hexachlorobutadiene	10.763	225	21834	5.43	ng		95
35) Caprolactam	11.399	113	7742m	3.88	ng		
36) 4-Chloro-3-methylphenol	11.746	107	29849	4.44	ng		95
37) 2-Methylnaphthalene	12.099	142	63562	5.01	ng		99
38) 1-Methylnaphthalene	12.316	142	70043	5.16	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	37738	5.11	ng		99
41) Hexachlorocyclopentadiene	12.446	237	15939	3.56	ng		93
43) 2,4,6-Trichlorophenol	12.722	196	19429	4.06	ng		92
44) 2,4,5-Trichlorophenol	12.816	196	23918	4.49	ng		93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.116	154	96956	5.15	ng		98
47) 2-Chloronaphthalene	13.157	162	72977	5.09	ng		99
48) 2-Nitroaniline	13.381	65	17778	4.19	ng		98
49) Acenaphthylene	14.010	152	117448	4.89	ng		99
50) Dimethylphthalate	13.751	163	99940	5.15	ng		100
51) 2,6-Dinitrotoluene	13.869	165	19052	4.65	ng	#	85
52) Acenaphthene	14.357	154	70302	5.09	ng		96
53) 3-Nitroaniline	14.222	138	16400	3.92	ng		97
55) Dibenzofuran	14.698	168	115180	5.23	ng		98
57) 2,4-Dinitrotoluene	14.675	165	25481	4.41	ng		92
58) Fluorene	15.363	166	93303	5.20	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.946	232	23382	4.73	ng		98
60) Diethylphthalate	15.134	149	101366	5.17	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	47886	5.35	ng		98
62) 4-Nitroaniline	15.410	138	14482m	3.55	ng		
63) Azobenzene	15.651	77	84462	5.03	ng		99
66) n-Nitrosodiphenylamine	15.575	169	80078	4.90	ng		99
67) 4-Bromophenyl-phenylether	16.275	248	30702	4.90	ng		97
68) Hexachlorobenzene	16.387	284	40234	5.06	ng		99
69) Atrazine	16.551	200	27909	4.66	ng		98
70) Pentachlorophenol	16.757	266	16456	3.68	ng		95
71) Phenanthrene	17.134	178	152030	5.14	ng		99
72) Anthracene	17.234	178	145809	4.90	ng		99
73) Carbazole	17.522	167	122666	4.56	ng		98
74) Di-n-butylphthalate	18.104	149	157014	4.54	ng		99
75) Fluoranthene	19.228	202	168865	4.89	ng		99
78) Pyrene	19.604	202	181817	4.94	ng		99
80) Butylbenzylphthalate	20.551	149	70341	4.30	ng		100
81) Benzo(a)anthracene	21.498	228	192110	4.98	ng		99
82) 3,3'-Dichlorobenzidine	21.445	252	54793	3.82	ng		99
83) Chrysene	21.575	228	186449	5.10	ng		99
84) Bis(2-ethylhexyl)phtha...	21.445	149	103286	4.29	ng		97
85) Di-n-octyl phthalate	22.692	149	160883	4.09	ng		99
87) Indeno(1,2,3-cd)pyrene	28.504	276	242814	4.59	ng	#	87
88) Benzo(b)fluoranthene	23.763	252	186058	4.49	ng		97
89) Benzo(k)fluoranthene	23.839	252	207645	4.86	ng		100
90) Benzo(a)pyrene	24.657	252	180157	4.52	ng		99
91) Dibenzo(a,h)anthracene	28.586	278	193373	4.50	ng		98
92) Benzo(g,h,i)perylene	29.651	276	199361	4.66	ng		98

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

ICAL Form

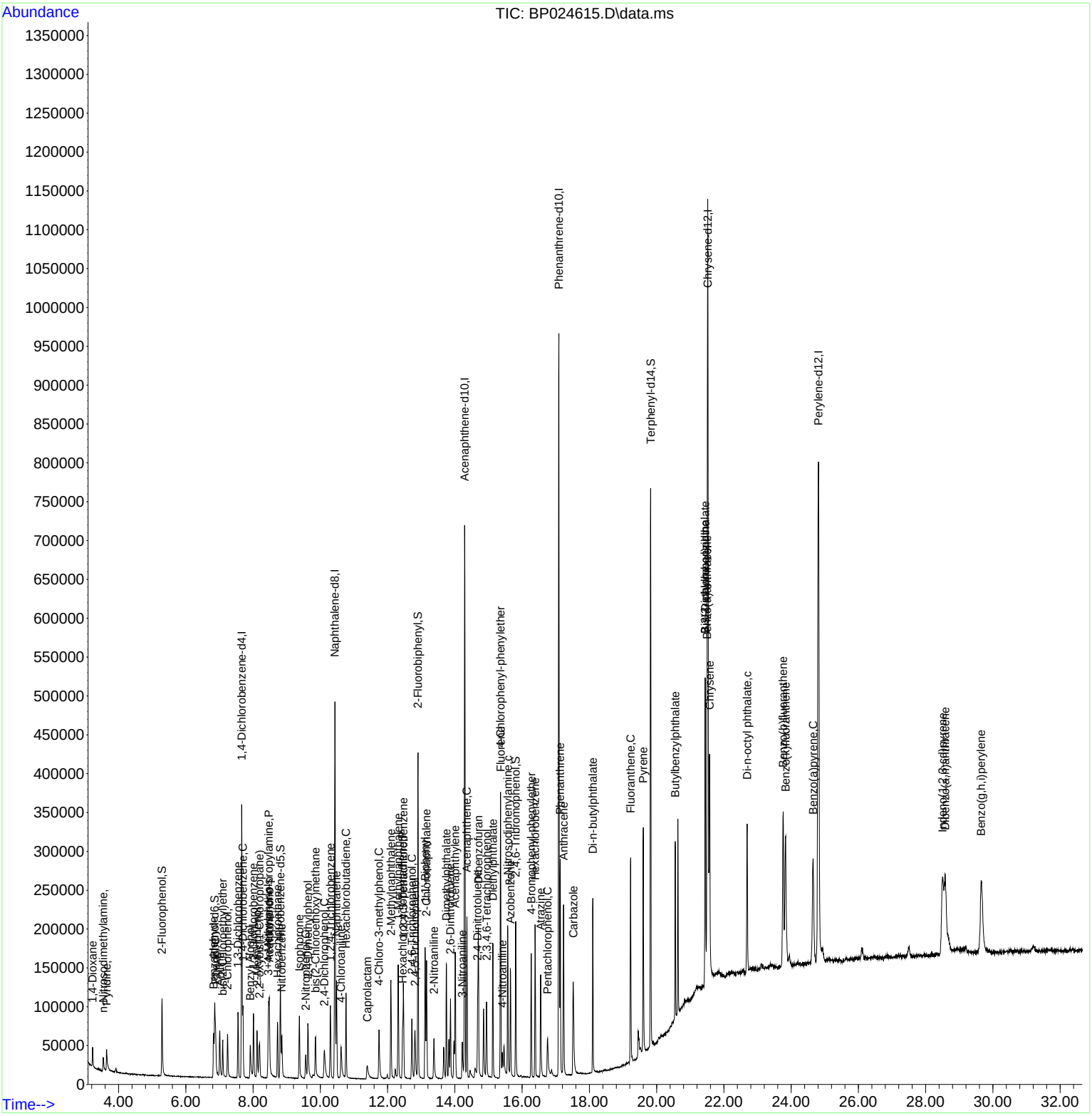
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024615.D
Acq On : 13 May 2025 11:22
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 13 16:02:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	94972	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	398657	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	268335	20.00	ng		-0.01
64) Phenanthrene-d10	17.098	188	556673	20.00	ng		0.00
76) Chrysene-d12	21.516	240	659092	20.00	ng		0.00
86) Perylene-d12	24.798	264	780142	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.293	112	104115	18.75	ng		0.00
7) Phenol-d6	6.858	99	127652	18.01	ng		0.00
23) Nitrobenzene-d5	8.810	82	149876	19.00	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	86099	18.93	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	401986	19.63	ng		0.00
79) Terphenyl-d14	19.822	244	733687	19.09	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	26472	10.15	ng		99
3) Pyridine	3.634	79	53915	9.33	ng		98
4) n-Nitrosodimethylamine	3.540	42	24093	9.44	ng	#	96
6) Aniline	7.005	93	80863	8.84	ng		99
8) 2-Chlorophenol	7.240	128	57182	9.07	ng		99
9) Benzaldehyde	6.822	77	47848m	10.45	ng		
10) Phenol	6.881	94	66520	9.09	ng		96
11) bis(2-Chloroethyl)ether	7.093	93	55575	9.25	ng		99
12) 1,3-Dichlorobenzene	7.557	146	70590	9.73	ng		100
13) 1,4-Dichlorobenzene	7.699	146	71467	9.80	ng		99
14) 1,2-Dichlorobenzene	8.010	146	69643	9.80	ng		96
15) Benzyl Alcohol	7.916	79	45094	8.37	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	68599	9.53	ng		98
17) 2-Methylphenol	8.116	107	45071	8.59	ng		96
18) Hexachloroethane	8.728	117	28078	10.05	ng		96
19) n-Nitroso-di-n-propyla...	8.463	70	45927	9.37	ng		96
20) 3+4-Methylphenols	8.446	107	61832	8.66	ng		95
22) Acetophenone	8.481	105	95803	9.62	ng	#	99
24) Nitrobenzene	8.857	77	67735	9.76	ng		98
25) Isophorone	9.375	82	127474	9.31	ng		99
26) 2-Nitrophenol	9.563	139	28470	8.37	ng		94
27) 2,4-Dimethylphenol	9.628	122	55664	9.28	ng		98
28) bis(2-Chloroethoxy)met...	9.851	93	78019	9.54	ng		97
29) 2,4-Dichlorophenol	10.110	162	51386	8.84	ng		98
30) 1,2,4-Trichlorobenzene	10.304	180	64245	9.81	ng		96
31) Naphthalene	10.481	128	204468	9.90	ng		99
32) Benzoic acid	9.746	122	17770m	10.42	ng		
33) 4-Chloroaniline	10.610	127	73990	8.88	ng		99
34) Hexachlorobutadiene	10.769	225	42567	10.03	ng		97
35) Caprolactam	11.381	113	18245m	8.68	ng		
36) 4-Chloro-3-methylphenol	11.746	107	64857	9.15	ng		98
37) 2-Methylnaphthalene	12.098	142	130412	9.75	ng		100
38) 1-Methylnaphthalene	12.316	142	139573	9.75	ng		100
40) 1,2,4,5-Tetrachloroben...	12.475	216	74824	9.60	ng		100
41) Hexachlorocyclopentadiene	12.451	237	37072	7.85	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	45798	9.07	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.810	196	50348	8.96	ng		94
46) 1,1'-Biphenyl	13.122	154	192445	9.70	ng		100
47) 2-Chloronaphthalene	13.163	162	148443	9.82	ng		99
48) 2-Nitroaniline	13.375	65	40786	9.11	ng		93
49) Acenaphthylene	14.010	152	243913	9.64	ng		98
50) Dimethylphthalate	13.751	163	204825	10.01	ng		99
51) 2,6-Dinitrotoluene	13.869	165	41257	9.55	ng		92
52) Acenaphthene	14.357	154	141360	9.72	ng		99
53) 3-Nitroaniline	14.216	138	36906	8.37	ng		99
54) 2,4-Dinitrophenol	14.439	184	13128	10.84	ng		95
55) Dibenzofuran	14.704	168	230286	9.92	ng		99
56) 4-Nitrophenol	14.575	139	21349	9.53	ng		93
57) 2,4-Dinitrotoluene	14.675	165	56617	9.30	ng		94
58) Fluorene	15.357	166	189781	10.03	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	48821	9.37	ng		99
60) Diethylphthalate	15.134	149	206886	10.01	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	93517	9.91	ng		97
62) 4-Nitroaniline	15.404	138	34813m	8.11	ng		
63) Azobenzene	15.657	77	174322	9.86	ng		98
65) 4,6-Dinitro-2-methylph...	15.457	198	26174	7.28	ng		96
66) n-Nitrosodiphenylamine	15.575	169	164008	9.59	ng		99
67) 4-Bromophenyl-phenylether	16.269	248	62011	9.45	ng		97
68) Hexachlorobenzene	16.392	284	80088	9.61	ng		98
69) Atrazine	16.551	200	58245	9.30	ng		99
70) Pentachlorophenol	16.757	266	38095m	8.14	ng		
71) Phenanthrene	17.139	178	301863	9.75	ng		100
72) Anthracene	17.239	178	296146	9.51	ng		100
73) Carbazole	17.522	167	262687	9.32	ng		100
74) Di-n-butylphthalate	18.116	149	338893	9.35	ng		100
75) Fluoranthene	19.227	202	349083	9.65	ng		99
77) Benzidine	19.445	184	119229m	6.59	ng		
78) Pyrene	19.604	202	374573	9.48	ng		100
80) Butylbenzylphthalate	20.551	149	153275	8.73	ng		99
81) Benzo(a)anthracene	21.498	228	401322	9.70	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	129324	8.41	ng		99
83) Chrysene	21.569	228	388846	9.91	ng		98
84) Bis(2-ethylhexyl)phtha...	21.439	149	225047	8.72	ng		100
85) Di-n-octyl phthalate	22.680	149	367934	8.72	ng		100
87) Indeno(1,2,3-cd)pyrene	28.503	276	529260	9.29	ng	#	92
88) Benzo(b)fluoranthene	23.751	252	417343	9.35	ng		99
89) Benzo(k)fluoranthene	23.821	252	431575	9.38	ng		99
90) Benzo(a)pyrene	24.627	252	390288	9.10	ng		100
91) Dibenzo(a,h)anthracene	28.574	278	415768	8.97	ng		99
92) Benzo(g,h,i)perylene	29.650	276	431559	9.37	ng		97

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

ICAL Form

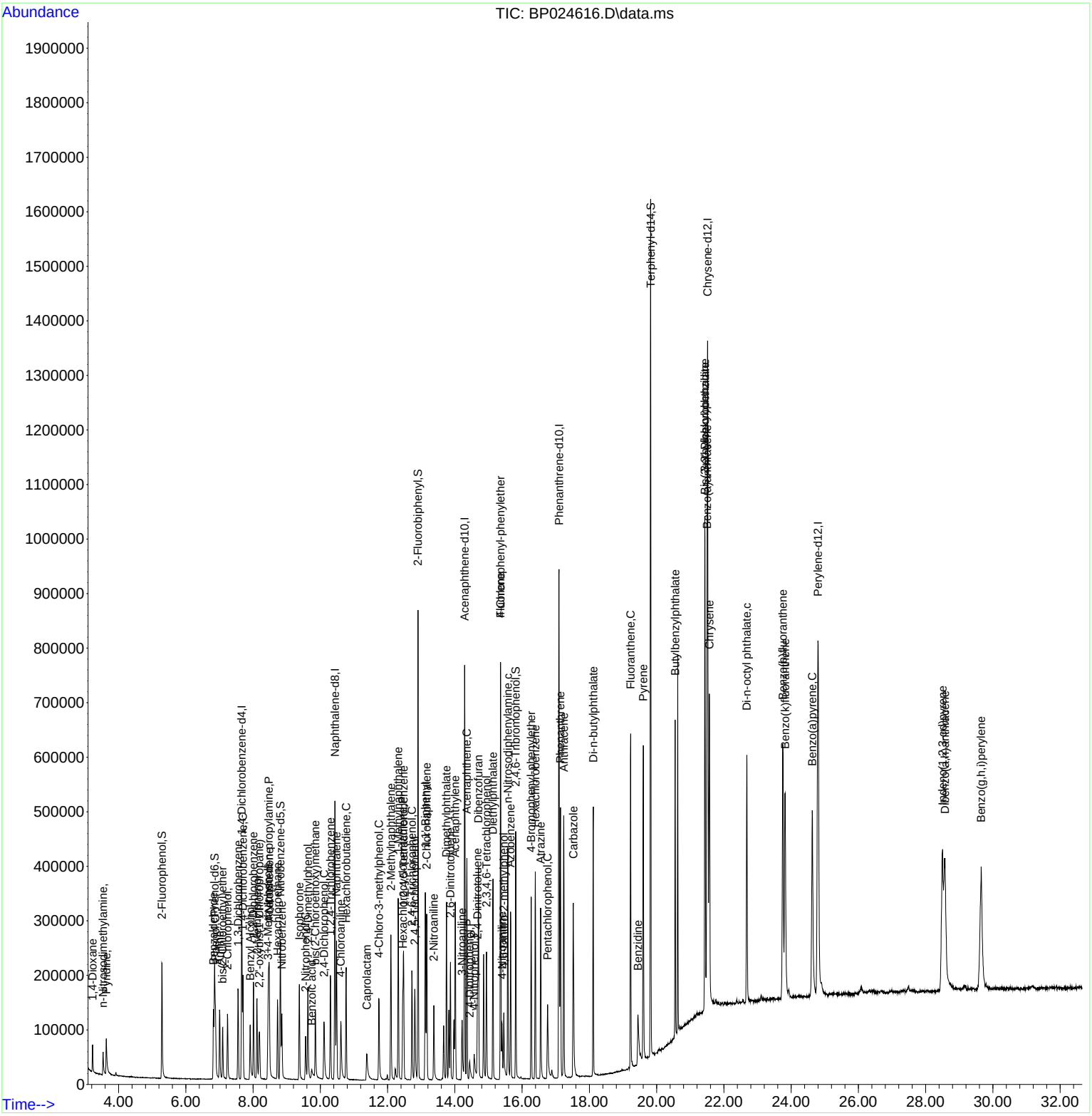
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024616.D
Acq On : 13 May 2025 12:03
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 13 16:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.664	152	112650	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	488721	20.00	ng		0.00
39) Acenaphthene-d10	14.299	164	323928	20.00	ng		0.00
64) Phenanthrene-d10	17.087	188	644367	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	745224	20.00	ng		0.00
86) Perylene-d12	24.792	264	850264	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	261821	39.75	ng		0.00
7) Phenol-d6	6.858	99	334811	39.83	ng		0.00
23) Nitrobenzene-d5	8.811	82	391739	40.50	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	217092	39.53	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	1006150	40.69	ng		0.00
79) Terphenyl-d14	19.810	244	1736879	39.96	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.229	88	60251	19.48	ng		98
3) Pyridine	3.628	79	135451	19.75	ng		99
4) n-Nitrosodimethylamine	3.540	42	59324	19.59	ng		99
6) Aniline	7.005	93	217646	20.05	ng		100
8) 2-Chlorophenol	7.240	128	147726	19.76	ng		99
9) Benzaldehyde	6.822	77	117823m	21.69	ng		
10) Phenol	6.881	94	171949	19.82	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	141599	19.86	ng		99
12) 1,3-Dichlorobenzene	7.552	146	171270	19.91	ng		99
13) 1,4-Dichlorobenzene	7.699	146	171756	19.85	ng		98
14) 1,2-Dichlorobenzene	8.011	146	168795	20.02	ng		99
15) Benzyl Alcohol	7.911	79	127076	19.89	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	171274	20.06	ng		100
17) 2-Methylphenol	8.111	107	124506	20.01	ng		99
18) Hexachloroethane	8.728	117	65527	19.76	ng		97
19) n-Nitroso-di-n-propyla...	8.458	70	122386	21.05	ng		98
20) 3+4-Methylphenols	8.440	107	169264	20.00	ng		97
22) Acetophenone	8.481	105	249692	20.45	ng	#	100
24) Nitrobenzene	8.858	77	173686	20.40	ng		99
25) Isophorone	9.375	82	339697	20.25	ng		100
26) 2-Nitrophenol	9.563	139	82278	19.73	ng		98
27) 2,4-Dimethylphenol	9.622	122	146819	19.96	ng		97
28) bis(2-Chloroethoxy)met...	9.852	93	200872	20.04	ng		99
29) 2,4-Dichlorophenol	10.099	162	141785	19.90	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	159998	19.92	ng		95
31) Naphthalene	10.481	128	512888	20.25	ng		100
32) Benzoic acid	9.746	122	71538m	18.73	ng		
33) 4-Chloroaniline	10.605	127	205433	20.10	ng		99
34) Hexachlorobutadiene	10.763	225	103364	19.87	ng		99
35) Caprolactam	11.381	113	50721	19.68	ng		99
36) 4-Chloro-3-methylphenol	11.734	107	174840	20.12	ng		99
37) 2-Methylnaphthalene	12.093	142	327447	19.97	ng		99
38) 1-Methylnaphthalene	12.316	142	352091	20.07	ng		100
40) 1,2,4,5-Tetrachloroben...	12.469	216	185982	19.77	ng		99
41) Hexachlorocyclopentadiene	12.440	237	113499	19.90	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	121520	19.95	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.799	196	135306	19.95	ng	98
46) 1,1'-Biphenyl	13.116	154	483352	20.19	ng	100
47) 2-Chloronaphthalene	13.163	162	366247	20.06	ng	100
48) 2-Nitroaniline	13.375	65	107062	19.81	ng	98
49) Acenaphthylene	14.016	152	621997	20.36	ng	100
50) Dimethylphthalate	13.751	163	491623	19.91	ng	99
51) 2,6-Dinitrotoluene	13.869	165	105479	20.23	ng	97
52) Acenaphthene	14.357	154	354519	20.19	ng	99
53) 3-Nitroaniline	14.210	138	106527	20.01	ng	98
54) 2,4-Dinitrophenol	14.428	184	46351	19.37	ng	91
55) Dibenzofuran	14.698	168	563719	20.12	ng	99
56) 4-Nitrophenol	14.551	139	71975	19.02	ng	93
57) 2,4-Dinitrotoluene	14.675	165	147676	20.09	ng	99
58) Fluorene	15.357	166	456792	20.00	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	123265	19.59	ng	99
60) Diethylphthalate	15.128	149	497916	19.95	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	226790	19.91	ng	98
62) 4-Nitroaniline	15.393	138	105617	20.37	ng	99
63) Azobenzene	15.651	77	439183	20.57	ng	99
65) 4,6-Dinitro-2-methylph...	15.451	198	77131	18.53	ng	96
66) n-Nitrosodiphenylamine	15.575	169	404085	20.42	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	152393	20.07	ng	97
68) Hexachlorobenzene	16.381	284	192290	19.93	ng	99
69) Atrazine	16.545	200	146468	20.19	ng	99
70) Pentachlorophenol	16.740	266	104916	19.36	ng	98
71) Phenanthrene	17.128	178	724922	20.24	ng	100
72) Anthracene	17.222	178	735787	20.42	ng	100
73) Carbazole	17.510	167	669730	20.53	ng	99
74) Di-n-butylphthalate	18.092	149	858522	20.46	ng	100
75) Fluoranthene	19.210	202	846684	20.22	ng	100
77) Benzidine	19.422	184	404890	19.79	ng	99
78) Pyrene	19.592	202	892037	19.98	ng	99
80) Butylbenzylphthalate	20.539	149	400050	20.14	ng	97
81) Benzo(a)anthracene	21.498	228	933614	19.95	ng	99
82) 3,3'-Dichlorobenzidine	21.428	252	353000	20.31	ng	100
83) Chrysene	21.569	228	883001	19.91	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	597012	20.45	ng	98
85) Di-n-octyl phthalate	22.686	149	947571	19.85	ng	99
87) Indeno(1,2,3-cd)pyrene	28.486	276	1230125m	19.81	ng	
88) Benzo(b)fluoranthene	23.757	252	979873	20.13	ng	99
89) Benzo(k)fluoranthene	23.822	252	1005349	20.05	ng	100
90) Benzo(a)pyrene	24.627	252	945764	20.23	ng	100
91) Dibenzo(a,h)anthracene	28.568	278	1008288	19.97	ng	99
92) Benzo(g,h,i)perylene	29.627	276	991852	19.75	ng	99

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

ICAL Form

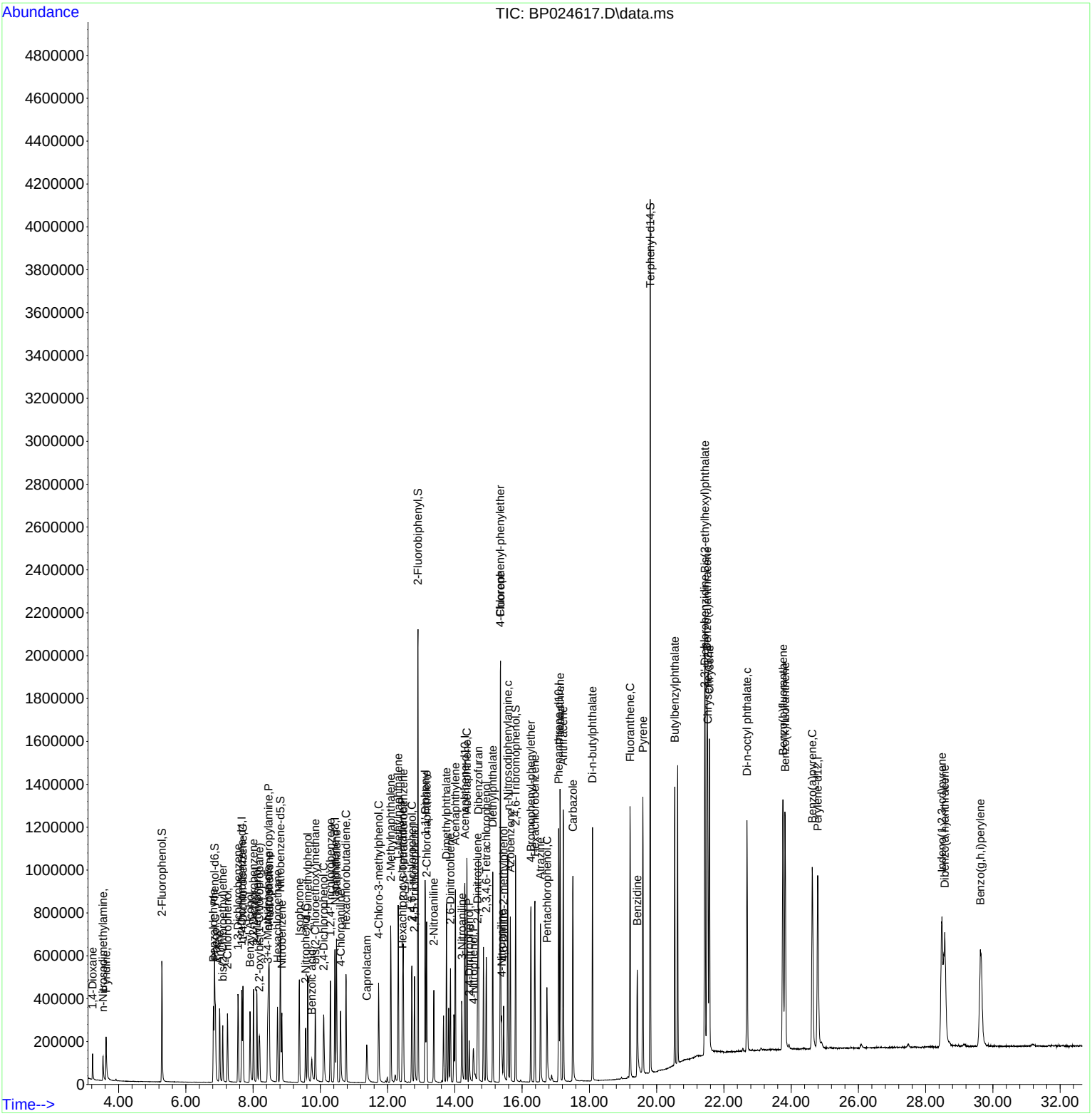
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024617.D
Acq On : 13 May 2025 12:43
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 13 16:05:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	120950	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	540452	20.00	ng	0.00
39) Acenaphthene-d10	14.304	164	362458	20.00	ng	0.00
64) Phenanthrene-d10	17.098	188	717362	20.00	ng	0.00
76) Chrysene-d12	21.521	240	810498	20.00	ng	0.00
86) Perylene-d12	24.804	264	929890	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	534477	75.58	ng	0.00
7) Phenol-d6	6.852	99	712342	78.93	ng	0.00
23) Nitrobenzene-d5	8.810	82	826567	77.28	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	467808	76.13	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2076354	75.05	ng	0.00
79) Terphenyl-d14	19.810	244	3647961	77.18	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.228	88	122181	36.79	ng	100
3) Pyridine	3.622	79	289809	39.36	ng	100
4) n-Nitrosodimethylamine	3.534	42	125087	38.48	ng	100
6) Aniline	7.005	93	463675	39.79	ng	100
8) 2-Chlorophenol	7.240	128	315079	39.25	ng	100
9) Benzaldehyde	6.822	77	231076m	39.62	ng	
10) Phenol	6.881	94	364948	39.18	ng	100
11) bis(2-Chloroethyl)ether	7.099	93	293331	38.32	ng	100
12) 1,3-Dichlorobenzene	7.552	146	348242	37.71	ng	100
13) 1,4-Dichlorobenzene	7.699	146	355533	38.27	ng	100
14) 1,2-Dichlorobenzene	8.010	146	344980	38.11	ng	100
15) Benzyl Alcohol	7.905	79	277892	40.52	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.187	45	354872	38.71	ng	100
17) 2-Methylphenol	8.110	107	265962	39.81	ng	100
18) Hexachloroethane	8.728	117	133224	37.43	ng	100
19) n-Nitroso-di-n-propyla...	8.457	70	253553	40.61	ng	100
20) 3+4-Methylphenols	8.434	107	366564	40.33	ng	100
22) Acetophenone	8.475	105	521603	38.64	ng	100
24) Nitrobenzene	8.852	77	363767	38.65	ng	100
25) Isophorone	9.375	82	727081	39.19	ng	100
26) 2-Nitrophenol	9.563	139	185587	40.24	ng	100
27) 2,4-Dimethylphenol	9.628	122	322227	39.62	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	430958	38.88	ng	100
29) 2,4-Dichlorophenol	10.093	162	314830	39.95	ng	100
30) 1,2,4-Trichlorobenzene	10.299	180	330659	37.23	ng	100
31) Naphthalene	10.481	128	1059316	37.82	ng	100
32) Benzoic acid	9.775	122	206829m	38.01	ng	
33) 4-Chloroaniline	10.599	127	452150	40.01	ng	100
34) Hexachlorobutadiene	10.763	225	213978	37.19	ng	100
35) Caprolactam	11.387	113	118047	41.43	ng	100
36) 4-Chloro-3-methylphenol	11.734	107	385077	40.07	ng	100
37) 2-Methylnaphthalene	12.093	142	692133	38.17	ng	100
38) 1-Methylnaphthalene	12.316	142	745849	38.44	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	398230	37.84	ng	100
41) Hexachlorocyclopentadiene	12.445	237	258329	40.48	ng	100
43) 2,4,6-Trichlorophenol	12.716	196	268675	39.41	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	293079	38.62	ng	100
46) 1,1'-Biphenyl	13.116	154	1002344	37.42	ng	100
47) 2-Chloronaphthalene	13.157	162	771952	37.79	ng	100
48) 2-Nitroaniline	13.375	65	242485	40.10	ng	100
49) Acenaphthylene	14.016	152	1307740	38.26	ng	100
50) Dimethylphthalate	13.757	163	1051056	38.04	ng	100
51) 2,6-Dinitrotoluene	13.881	165	226086	38.75	ng	100
52) Acenaphthene	14.363	154	745335	37.93	ng	100
53) 3-Nitroaniline	14.216	138	246561	41.39	ng	100
54) 2,4-Dinitrophenol	14.428	184	124517	37.54	ng	100
55) Dibenzofuran	14.698	168	1183806	37.77	ng	100
56) 4-Nitrophenol	14.551	139	186112	38.41	ng	100
57) 2,4-Dinitrotoluene	14.681	165	329156	40.02	ng	100
58) Fluorene	15.357	166	968487	37.89	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.939	232	274384	38.98	ng	100
60) Diethylphthalate	15.139	149	1046478	37.48	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	475327	37.29	ng	100
62) 4-Nitroaniline	15.392	138	239212	41.24	ng	100
63) Azobenzene	15.651	77	906274	37.94	ng	100
65) 4,6-Dinitro-2-methylph...	15.457	198	184593	39.84	ng	100
66) n-Nitrosodiphenylamine	15.581	169	851188	38.63	ng	100
67) 4-Bromophenyl-phenylether	16.263	248	323558	38.28	ng	100
68) Hexachlorobenzene	16.381	284	403916	37.60	ng	100
69) Atrazine	16.557	200	312226	38.67	ng	100
70) Pentachlorophenol	16.745	266	246828	40.91	ng	100
71) Phenanthrene	17.133	178	1507602	37.80	ng	100
72) Anthracene	17.228	178	1542275	38.44	ng	100
73) Carbazole	17.516	167	1436294	39.55	ng	100
74) Di-n-butylphthalate	18.098	149	1807097	38.69	ng	100
75) Fluoranthene	19.216	202	1794046	38.49	ng	100
77) Benzidine	19.416	184	907109	40.77	ng	100
78) Pyrene	19.592	202	1869519	38.50	ng	100
80) Butylbenzylphthalate	20.539	149	854913	39.58	ng	100
81) Benzo(a)anthracene	21.504	228	1957632	38.47	ng	100
82) 3,3'-Dichlorobenzidine	21.427	252	773866	40.94	ng	100
83) Chrysene	21.569	228	1833959	38.01	ng	100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1240956	39.09	ng	100
85) Di-n-octyl phthalate	22.692	149	2074694	39.97	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2648648	39.00	ng	100
88) Benzo(b)fluoranthene	23.757	252	2050806	38.53	ng	100
89) Benzo(k)fluoranthene	23.827	252	2120721	38.67	ng	100
90) Benzo(a)pyrene	24.645	252	1979017	38.71	ng	100
91) Dibenzo(a,h)anthracene	28.598	278	2170712	39.30	ng	100
92) Benzo(g,h,i)perylene	29.662	276	2132921	38.84	ng	100

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

ICAL Form

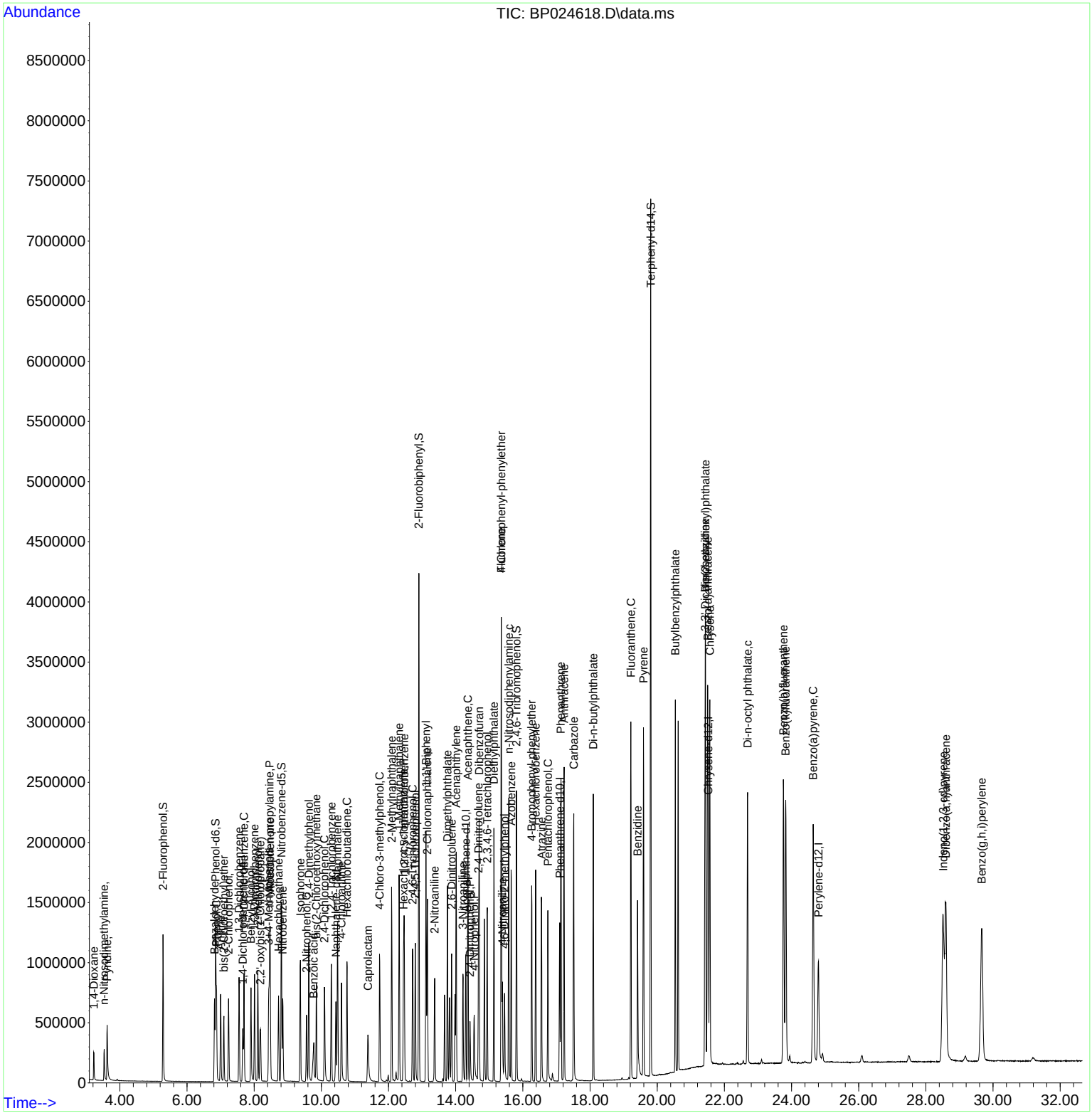
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024618.D
Acq On : 13 May 2025 13:24
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 13 16:06:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	111395	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	489806	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	318760	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	628781	20.00	ng		-0.01
76) Chrysene-d12	21.522	240	717340	20.00	ng		0.00
86) Perylene-d12	24.810	264	811421	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	708626	108.80	ng		0.00
7) Phenol-d6	6.852	99	930484	111.94	ng		0.00
23) Nitrobenzene-d5	8.810	82	1049445	108.26	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	587523	108.72	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	2553765	104.96	ng		0.00
79) Terphenyl-d14	19.822	244	4398872	105.15	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	156571	51.20	ng		98
3) Pyridine	3.622	79	379522	55.97	ng		99
4) n-Nitrosodimethylamine	3.534	42	161654	54.00	ng		99
6) Aniline	7.005	93	593141	55.27	ng		99
8) 2-Chlorophenol	7.240	128	408016	55.19	ng		99
9) Benzaldehyde	6.822	77	290405	54.06	ng		100
10) Phenol	6.881	94	475413	55.41	ng		99
11) bis(2-Chloroethyl)ether	7.093	93	377787	53.59	ng		100
12) 1,3-Dichlorobenzene	7.552	146	451750	53.11	ng		99
13) 1,4-Dichlorobenzene	7.699	146	455796	53.28	ng		99
14) 1,2-Dichlorobenzene	8.010	146	439707	52.74	ng		100
15) Benzyl Alcohol	7.910	79	363689	57.58	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	450215	53.33	ng		98
17) 2-Methylphenol	8.110	107	347065	56.40	ng		98
18) Hexachloroethane	8.728	117	173580	52.95	ng		98
19) n-Nitroso-di-n-propyla...	8.463	70	318058	55.32	ng		99
20) 3+4-Methylphenols	8.440	107	474048	56.64	ng		98
22) Acetophenone	8.481	105	653878	53.44	ng	#	98
24) Nitrobenzene	8.852	77	456929	53.56	ng		99
25) Isophorone	9.375	82	921892	54.82	ng		99
26) 2-Nitrophenol	9.557	139	239844	57.38	ng		98
27) 2,4-Dimethylphenol	9.628	122	402585	54.62	ng		99
28) bis(2-Chloroethoxy)met...	9.852	93	542581	54.01	ng		100
29) 2,4-Dichlorophenol	10.099	162	400983	56.14	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	424561	52.75	ng		97
31) Naphthalene	10.481	128	1336265	52.65	ng		100
32) Benzoic acid	9.787	122	263657	50.71	ng		99
33) 4-Chloroaniline	10.599	127	569812	55.63	ng		99
34) Hexachlorobutadiene	10.769	225	271578	52.09	ng		99
35) Caprolactam	11.393	113	148586	57.53	ng		98
36) 4-Chloro-3-methylphenol	11.734	107	478787	54.97	ng		99
37) 2-Methylnaphthalene	12.093	142	873274	53.13	ng		99
38) 1-Methylnaphthalene	12.316	142	919827	52.31	ng		98
40) 1,2,4,5-Tetrachloroben...	12.469	216	497848	53.78	ng		100
41) Hexachlorocyclopentadiene	12.446	237	334752	59.64	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	341059	56.89	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

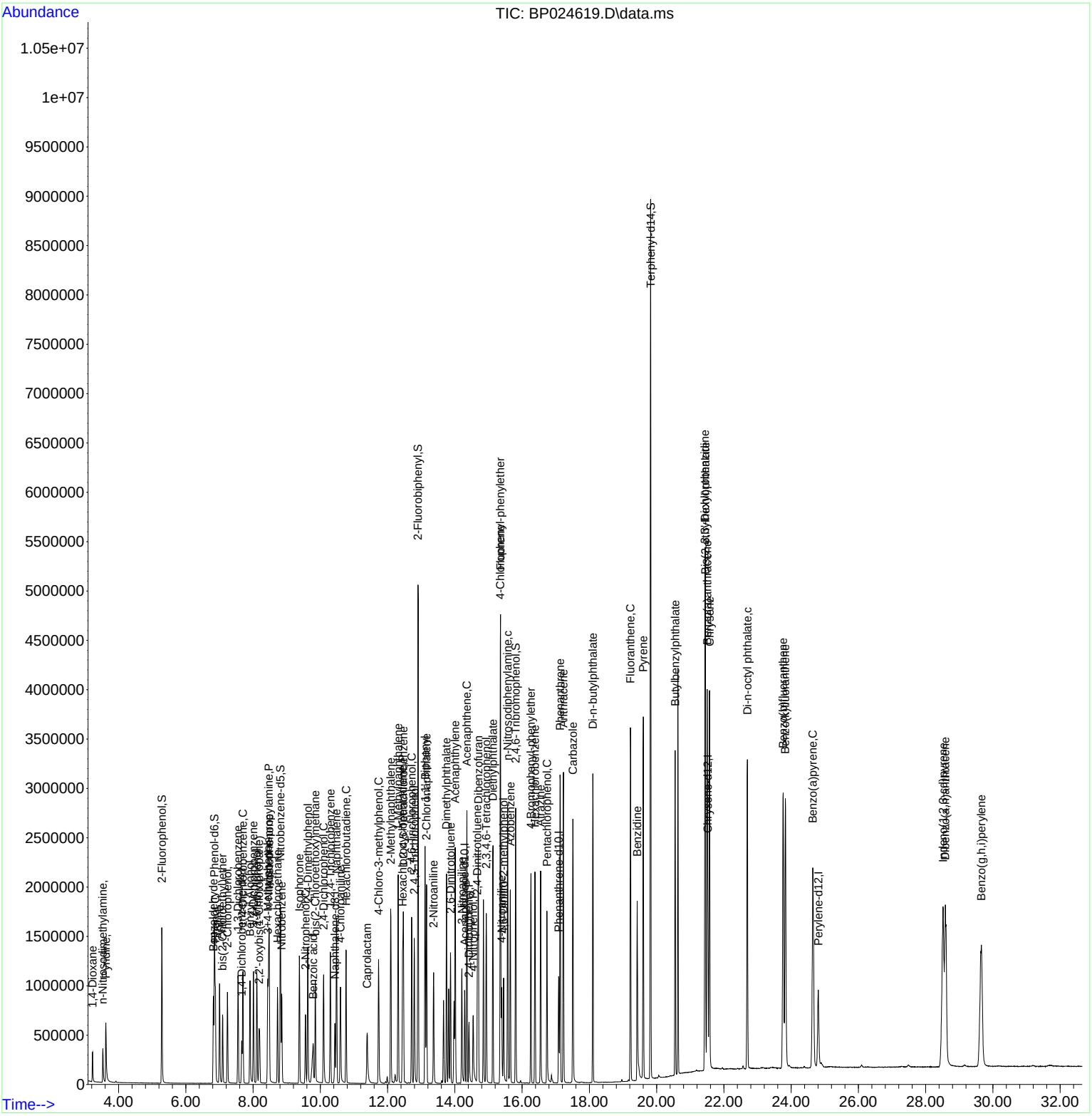
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.793	196	375330	56.24	ng	98
46) 1,1'-Biphenyl	13.116	154	1263640	53.64	ng	100
47) 2-Chloronaphthalene	13.157	162	952857	53.04	ng	99
48) 2-Nitroaniline	13.369	65	303475	57.06	ng	99
49) Acenaphthylene	14.010	152	1616938	53.79	ng	100
50) Dimethylphthalate	13.751	163	1283491	52.83	ng	99
51) 2,6-Dinitrotoluene	13.875	165	281728	54.91	ng	99
52) Acenaphthene	14.357	154	923238	53.42	ng	100
53) 3-Nitroaniline	14.210	138	302341	57.71	ng	99
54) 2,4-Dinitrophenol	14.422	184	159888	51.86	ng	98
55) Dibenzofuran	14.698	168	1447333	52.50	ng	99
56) 4-Nitrophenol	14.545	139	238294	53.99	ng	99
57) 2,4-Dinitrotoluene	14.669	165	404684	55.94	ng	98
58) Fluorene	15.357	166	1190632	52.97	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	341204	55.11	ng	100
60) Diethylphthalate	15.134	149	1305791	53.18	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	590421	52.67	ng	97
62) 4-Nitroaniline	15.392	138	298681	58.55	ng	99
63) Azobenzene	15.651	77	1121556	53.39	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	234095	57.64	ng	98
66) n-Nitrosodiphenylamine	15.569	169	1048396	54.28	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	396385	53.50	ng	99
68) Hexachlorobenzene	16.381	284	504987	53.64	ng	99
69) Atrazine	16.551	200	389749	55.07	ng	100
70) Pentachlorophenol	16.739	266	310477	58.71	ng	98
71) Phenanthrene	17.128	178	1838891	52.61	ng	100
72) Anthracene	17.228	178	1894573	53.87	ng	100
73) Carbazole	17.510	167	1750681	55.00	ng	100
74) Di-n-butylphthalate	18.104	149	2275163	55.58	ng	100
75) Fluoranthene	19.222	202	2199818	53.84	ng	100
77) Benzidine	19.422	184	1178505	59.85	ng	99
78) Pyrene	19.604	202	2282702	53.11	ng	100
80) Butylbenzylphthalate	20.551	149	1083395	56.68	ng	97
81) Benzo(a)anthracene	21.504	228	2396398	53.20	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	966906	57.80	ng	100
83) Chrysene	21.574	228	2250800	52.71	ng	100
84) Bis(2-ethylhexyl)phtha...	21.451	149	1585070	56.42	ng	100
85) Di-n-octyl phthalate	22.698	149	2614856	56.91	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	3262830	55.06	ng	99
88) Benzo(b)fluoranthene	23.763	252	2612438	56.25	ng	99
89) Benzo(k)fluoranthene	23.827	252	2552663	53.34	ng	99
90) Benzo(a)pyrene	24.645	252	2475976	55.51	ng	100
91) Dibenzo(a,h)anthracene	28.586	278	2679367	55.60	ng	99
92) Benzo(g,h,i)perylene	29.656	276	2625625	54.79	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024619.D
Acq On : 13 May 2025 14:05
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: May 13 16:07:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	106955	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	484921	20.00	ng		0.00
39) Acenaphthene-d10	14.292	164	325327	20.00	ng		-0.01
64) Phenanthrene-d10	17.086	188	646756	20.00	ng		-0.01
76) Chrysene-d12	21.521	240	726281	20.00	ng		0.00
86) Perylene-d12	24.810	264	822943	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.281	112	784577	125.47	ng		0.00
7) Phenol-d6	6.858	99	1039562	130.26	ng		0.00
23) Nitrobenzene-d5	8.816	82	1188192	123.80	ng		0.00
42) 2,4,6-Tribromophenol	15.816	330	696428	126.27	ng		0.00
45) 2-Fluorobiphenyl	12.910	172	2956939	119.08	ng		0.00
79) Terphenyl-d14	19.822	244	5119872	120.88	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	170174	57.95	ng		99
3) Pyridine	3.617	79	419426	64.42	ng		98
4) n-Nitrosodimethylamine	3.528	42	178836	62.22	ng		99
6) Aniline	7.005	93	670773	65.10	ng		100
8) 2-Chlorophenol	7.240	128	459952	64.79	ng		99
9) Benzaldehyde	6.816	77	305987	59.33	ng		98
10) Phenol	6.881	94	535743	65.04	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	416957	61.60	ng		99
12) 1,3-Dichlorobenzene	7.552	146	496139	60.75	ng		99
13) 1,4-Dichlorobenzene	7.699	146	502743	61.20	ng		99
14) 1,2-Dichlorobenzene	8.010	146	490458	61.27	ng		99
15) Benzyl Alcohol	7.910	79	413146	68.12	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	501972	61.93	ng		98
17) 2-Methylphenol	8.110	107	389272	65.89	ng		98
18) Hexachloroethane	8.728	117	191530	60.85	ng		97
19) n-Nitroso-di-n-propyla...	8.463	70	363059	65.76	ng		99
20) 3+4-Methylphenols	8.434	107	543003	67.57	ng		99
22) Acetophenone	8.481	105	744359	61.45	ng	#	98
24) Nitrobenzene	8.857	77	518098	61.34	ng		97
25) Isophorone	9.381	82	1048461	62.98	ng		99
26) 2-Nitrophenol	9.557	139	278764	67.36	ng		99
27) 2,4-Dimethylphenol	9.622	122	462148	63.34	ng		100
28) bis(2-Chloroethoxy)met...	9.851	93	610221	61.35	ng		99
29) 2,4-Dichlorophenol	10.093	162	459806	65.03	ng		98
30) 1,2,4-Trichlorobenzene	10.299	180	478505	60.05	ng		97
31) Naphthalene	10.487	128	1508460	60.03	ng		100
32) Benzoic acid	9.799	122	319375	60.53	ng		99
33) 4-Chloroaniline	10.599	127	671888	66.26	ng		99
34) Hexachlorobutadiene	10.769	225	303458	58.79	ng		98
35) Caprolactam	11.404	113	175653	68.70	ng		97
36) 4-Chloro-3-methylphenol	11.740	107	559138	64.84	ng		100
37) 2-Methylnaphthalene	12.098	142	1008171	61.96	ng		99
38) 1-Methylnaphthalene	12.316	142	1066290	61.25	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	566530	59.97	ng		100
41) Hexachlorocyclopentadiene	12.445	237	381621	66.62	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	400552	65.46	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	436361	64.06	ng		99
46) 1,1'-Biphenyl	13.122	154	1437786	59.80	ng		100
47) 2-Chloronaphthalene	13.163	162	1105298	60.29	ng		100
48) 2-Nitroaniline	13.369	65	354977	65.40	ng		98
49) Acenaphthylene	14.016	152	1884018	61.41	ng		100
50) Dimethylphthalate	13.757	163	1498318	60.42	ng		100
51) 2,6-Dinitrotoluene	13.875	165	328682	62.76	ng		99
52) Acenaphthene	14.363	154	1072483	60.80	ng		100
53) 3-Nitroaniline	14.210	138	361174	67.54	ng		99
54) 2,4-Dinitrophenol	14.428	184	196350	61.10	ng		96
55) Dibenzofuran	14.698	168	1691790	60.13	ng		99
56) 4-Nitrophenol	14.545	139	281293	61.78	ng		98
57) 2,4-Dinitrotoluene	14.675	165	471525	63.87	ng		99
58) Fluorene	15.363	166	1376412	60.00	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	396678	62.78	ng		99
60) Diethylphthalate	15.134	149	1525628	60.87	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	692230	60.51	ng		99
62) 4-Nitroaniline	15.404	138	354287	68.05	ng		99
63) Azobenzene	15.657	77	1310800	61.14	ng		97
65) 4,6-Dinitro-2-methylph...	15.457	198	278024	66.55	ng		95
66) n-Nitrosodiphenylamine	15.575	169	1205525	60.68	ng		100
67) 4-Bromophenyl-phenylether	16.269	248	469127	61.56	ng		99
68) Hexachlorobenzene	16.386	284	590615	60.99	ng		99
69) Atrazine	16.557	200	460742	63.29	ng		98
70) Pentachlorophenol	16.739	266	371465	68.29	ng		99
71) Phenanthrene	17.133	178	2183329	60.73	ng		100
72) Anthracene	17.233	178	2210412	61.11	ng		99
73) Carbazole	17.510	167	2042777	62.39	ng		100
74) Di-n-butylphthalate	18.098	149	2644959	62.81	ng		99
75) Fluoranthene	19.222	202	2594532	61.73	ng		100
77) Benzidine	19.422	184	1304259	65.42	ng		99
78) Pyrene	19.598	202	2661811	61.17	ng		100
80) Butylbenzylphthalate	20.551	149	1243403	64.25	ng		100
81) Benzo(a)anthracene	21.504	228	2778689	60.93	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	1114122	65.77	ng		100
83) Chrysene	21.574	228	2588513	59.88	ng		100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1822019	64.05	ng		99
85) Di-n-octyl phthalate	22.692	149	2998832	64.47	ng		100
87) Indeno(1,2,3-cd)pyrene	28.533	276	3824922	63.64	ng	#	92
88) Benzo(b)fluoranthene	23.768	252	2922103	62.04	ng		99
89) Benzo(k)fluoranthene	23.845	252	3055252	62.95	ng		100
90) Benzo(a)pyrene	24.657	252	2881508	63.69	ng		100
91) Dibenzo(a,h)anthracene	28.603	278	3137905	64.20	ng		99
92) Benzo(g,h,i)perylene	29.692	276	3065416	63.07	ng		100

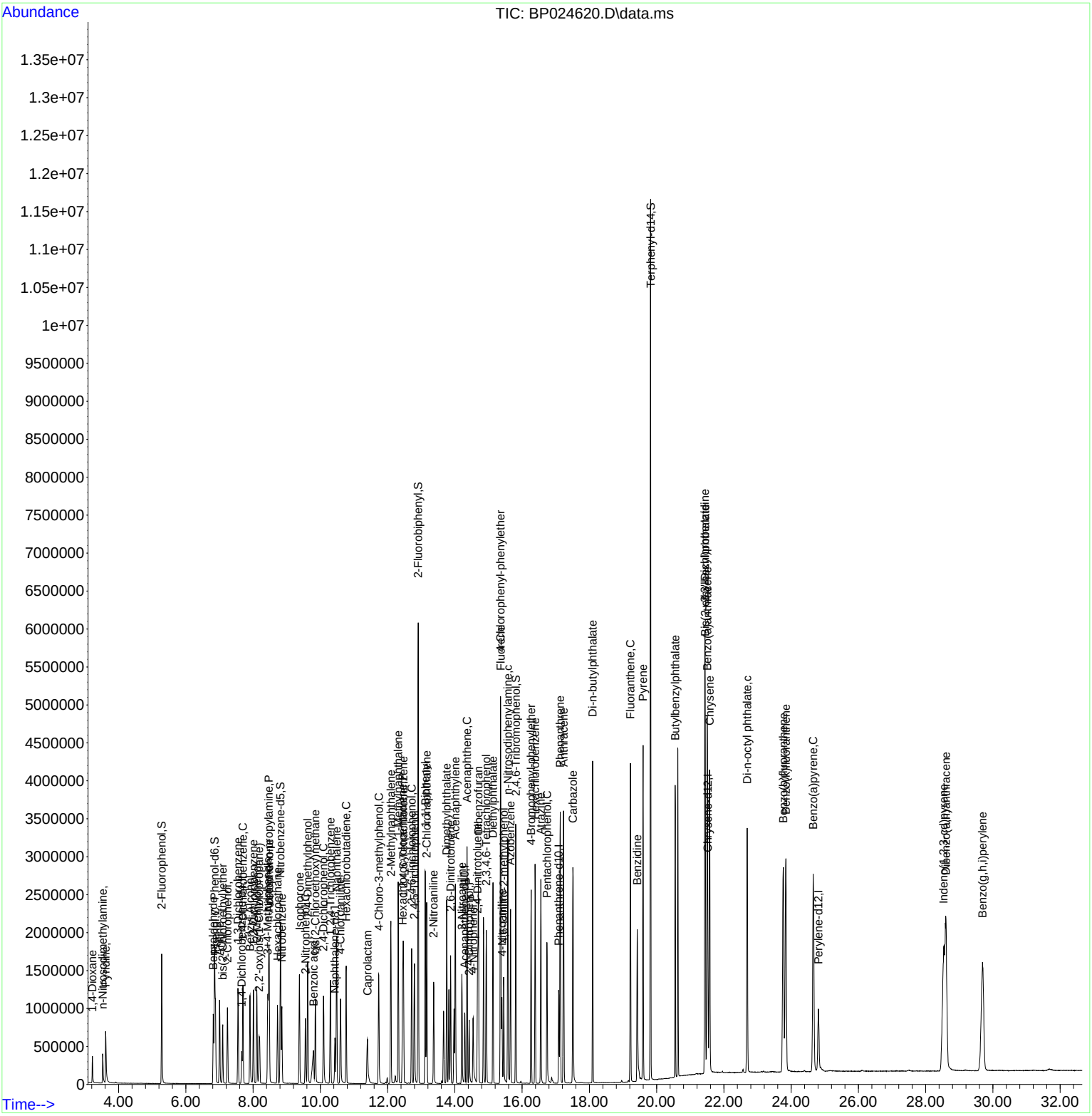
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024620.D
Acq On : 13 May 2025 14:45
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: May 13 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	134481	20.00	ng		0.00
21) Naphthalene-d8	10.434	136	584325	20.00	ng		0.00
39) Acenaphthene-d10	14.298	164	373575	20.00	ng		0.00
64) Phenanthrene-d10	17.104	188	713479	20.00	ng		0.00
76) Chrysene-d12	21.516	240	765954	20.00	ng		0.00
86) Perylene-d12	24.804	264	877352	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	1283582	163.25	ng		0.00
7) Phenol-d6	6.858	99	1670035	166.42	ng		0.00
23) Nitrobenzene-d5	8.822	82	1840183	159.12	ng		0.01
42) 2,4,6-Tribromophenol	15.828	330	1032638	163.05	ng		0.02
45) 2-Fluorobiphenyl	12.910	172	4438179	155.65	ng		0.00
79) Terphenyl-d14	19.816	244	7152255	160.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.228	88	275790	74.70	ng		99
3) Pyridine	3.622	79	679364	82.98	ng		98
4) n-Nitrosodimethylamine	3.534	42	289012	79.96	ng		100
6) Aniline	7.005	93	1075238	82.99	ng		100
8) 2-Chlorophenol	7.240	128	740005	82.91	ng		99
9) Benzaldehyde	6.822	77	412028	63.54	ng		100
10) Phenol	6.887	94	859122	82.95	ng		100
11) bis(2-Chloroethyl)ether	7.099	93	670572	78.79	ng		100
12) 1,3-Dichlorobenzene	7.552	146	795953	77.51	ng		100
13) 1,4-Dichlorobenzene	7.699	146	802182	77.67	ng		98
14) 1,2-Dichlorobenzene	8.010	146	779316	77.43	ng		99
15) Benzyl Alcohol	7.910	79	664684	87.16	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.187	45	782240	76.75	ng		98
17) 2-Methylphenol	8.110	107	620901	83.58	ng		99
18) Hexachloroethane	8.728	117	306812	77.52	ng		97
19) n-Nitroso-di-n-propyla...	8.469	70	551845	79.50	ng		98
20) 3+4-Methylphenols	8.440	107	852078	84.32	ng		99
22) Acetophenone	8.481	105	1147610	78.62	ng	#	99
24) Nitrobenzene	8.857	77	804153	79.02	ng		98
25) Isophorone	9.381	82	1593235	79.42	ng		100
26) 2-Nitrophenol	9.557	139	442185	88.67	ng		98
27) 2,4-Dimethylphenol	9.628	122	722439	82.17	ng		100
28) bis(2-Chloroethoxy)met...	9.857	93	946615	78.98	ng		99
29) 2,4-Dichlorophenol	10.099	162	721701	84.70	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	755529	78.69	ng		98
31) Naphthalene	10.487	128	2354789	77.77	ng		100
32) Benzoic acid	9.828	122	525308	80.15	ng		99
33) 4-Chloroaniline	10.599	127	1033865	84.61	ng		99
34) Hexachlorobutadiene	10.769	225	481140	77.35	ng		97
35) Caprolactam	11.416	113	257252	83.50	ng		96
36) 4-Chloro-3-methylphenol	11.734	107	838983	80.74	ng		99
37) 2-Methylnaphthalene	12.093	142	1529445	78.01	ng		100
38) 1-Methylnaphthalene	12.322	142	1613775	76.92	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	875750	80.73	ng		100
41) Hexachlorocyclopentadiene	12.446	237	628436	95.54	ng		97
43) 2,4,6-Trichlorophenol	12.716	196	601332	85.58	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	657399	84.05	ng	97
46) 1,1'-Biphenyl	13.122	154	2175624	78.79	ng	100
47) 2-Chloronaphthalene	13.163	162	1662979	78.99	ng	99
48) 2-Nitroaniline	13.375	65	512458	82.22	ng	97
49) Acenaphthylene	14.016	152	2773742	78.73	ng	99
50) Dimethylphthalate	13.763	163	2182359	76.64	ng	100
51) 2,6-Dinitrotoluene	13.887	165	476606	79.26	ng	97
52) Acenaphthene	14.363	154	1572103	77.62	ng	99
53) 3-Nitroaniline	14.222	138	522849	85.15	ng	100
54) 2,4-Dinitrophenol	14.428	184	300458	79.29	ng	98
55) Dibenzofuran	14.704	168	2477374	76.68	ng	99
56) 4-Nitrophenol	14.557	139	409954	77.27	ng	98
57) 2,4-Dinitrotoluene	14.681	165	678287	80.01	ng	97
58) Fluorene	15.363	166	2003709	76.06	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.945	232	588947	81.17	ng	98
60) Diethylphthalate	15.145	149	2193488	76.22	ng	99
61) 4-Chlorophenyl-phenyle...	15.363	204	997863	75.96	ng	99
62) 4-Nitroaniline	15.404	138	509582	85.24	ng	99
63) Azobenzene	15.663	77	1858146	75.47	ng	99
65) 4,6-Dinitro-2-methylph...	15.469	198	401011	87.01	ng	98
66) n-Nitrosodiphenylamine	15.587	169	1711679	78.10	ng	99
67) 4-Bromophenyl-phenylether	16.281	248	684619	81.43	ng	98
68) Hexachlorobenzene	16.398	284	856547	80.18	ng	99
69) Atrazine	16.575	200	645877	80.42	ng	99
70) Pentachlorophenol	16.751	266	548492	91.41	ng	99
71) Phenanthrene	17.145	178	3091665	77.95	ng	99
72) Anthracene	17.239	178	3161669	79.23	ng	99
73) Carbazole	17.522	167	2892236	80.08	ng	99
74) Di-n-butylphthalate	18.110	149	3747927	80.68	ng	99
75) Fluoranthene	19.228	202	3629085	78.27	ng	99
77) Benzidine	19.422	184	1678507	79.83	ng	100
78) Pyrene	19.604	202	3747276	81.65	ng	99
80) Butylbenzylphthalate	20.545	149	1741954	85.34	ng	98
81) Benzo(a)anthracene	21.498	228	3829787	79.63	ng	99
82) 3,3'-Dichlorobenzidine	21.422	252	1575691	88.21	ng	100
83) Chrysene	21.569	228	3615014	79.29	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	2577445	85.91	ng	99
85) Di-n-octyl phthalate	22.686	149	4341653	88.50	ng	99
87) Indeno(1,2,3-cd)pyrene	28.515	276	5243999m	81.85	ng	
88) Benzo(b)fluoranthene	23.768	252	4173798	83.11	ng	99
89) Benzo(k)fluoranthene	23.833	252	4160268	80.40	ng	100
90) Benzo(a)pyrene	24.645	252	3988360	82.69	ng	99
91) Dibenzo(a,h)anthracene	28.598	278	4338518	83.26	ng	99
92) Benzo(g,h,i)perylene	29.680	276	4253459	82.08	ng	99

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

ICAL Form

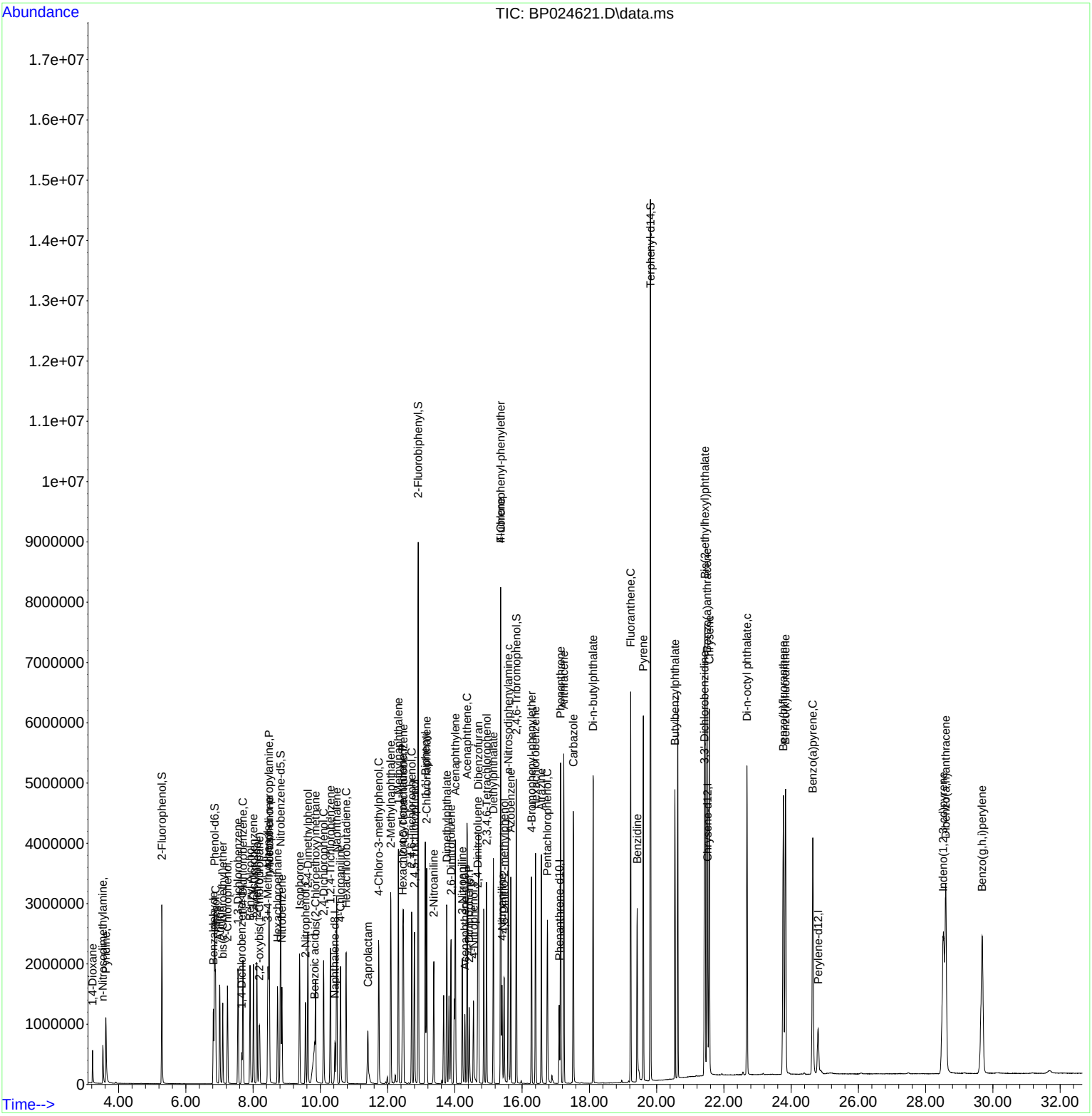
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024621.D
Acq On : 13 May 2025 15:26
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 13 16:10:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 15:55:25 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	144423	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	621777	20.00	ng	0.00
39) Acenaphthene-d10	14.292	164	391112	20.00	ng	-0.01
64) Phenanthrene-d10	17.092	188	780511	20.00	ng	0.00
76) Chrysene-d12	21.521	240	868822	20.00	ng	0.00
86) Perylene-d12	24.815	264	1015341	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	658249	77.95	ng	0.00
7) Phenol-d6	6.852	99	852330	79.09	ng	0.00
23) Nitrobenzene-d5	8.810	82	962660	78.23	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	520660	78.53	ng	0.00
45) 2-Fluorobiphenyl	12.904	172	2290715	76.73	ng	0.00
79) Terphenyl-d14	19.822	244	3889002	76.75	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.222	88	145871	36.79	ng	99
3) Pyridine	3.622	79	347515	39.53	ng	97
4) n-Nitrosodimethylamine	3.528	42	147412	37.98	ng	98
6) Aniline	6.999	93	545556	39.21	ng	100
8) 2-Chlorophenol	7.234	128	377358	39.37	ng	97
9) Benzaldehyde	6.816	77	272303	39.03	ng	99
10) Phenol	6.881	94	434788	39.09	ng	99
11) bis(2-Chloroethyl)ether	7.093	93	346744	37.94	ng	99
12) 1,3-Dichlorobenzene	7.552	146	417899	37.89	ng	98
13) 1,4-Dichlorobenzene	7.699	146	420432	37.90	ng	99
14) 1,2-Dichlorobenzene	8.010	146	409587	37.90	ng	99
15) Benzyl Alcohol	7.904	79	332015	40.54	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.181	45	416339	38.04	ng	99
17) 2-Methylphenol	8.110	107	316066	39.62	ng	99
18) Hexachloroethane	8.728	117	158167	37.21	ng	99
19) n-Nitroso-di-n-propyla...	8.463	70	291961	39.16	ng	99
20) 3+4-Methylphenols	8.434	107	429326	39.56	ng	99
22) Acetophenone	8.475	105	597464	38.47	ng	99
24) Nitrobenzene	8.851	77	416985	38.50	ng	96
25) Isophorone	9.375	82	821637	38.49	ng	99
26) 2-Nitrophenol	9.557	139	218211	41.12	ng	95
27) 2,4-Dimethylphenol	9.622	122	369418	39.48	ng	100
28) bis(2-Chloroethoxy)met...	9.851	93	493722	38.71	ng	100
29) 2,4-Dichlorophenol	10.093	162	364373	40.19	ng	97
30) 1,2,4-Trichlorobenzene	10.298	180	389362	38.11	ng	98
31) Naphthalene	10.481	128	1226624	38.07	ng	100
32) Benzoic acid	9.781	122	223660	36.46	ng	98
33) 4-Chloroaniline	10.598	127	524873	40.37	ng	99
34) Hexachlorobutadiene	10.763	225	246776	37.29	ng	98
35) Caprolactam	11.387	113	130399	39.75	ng	99
36) 4-Chloro-3-methylphenol	11.740	107	431344	39.01	ng	100
37) 2-Methylnaphthalene	12.098	142	789724	37.85	ng	99
38) 1-Methylnaphthalene	12.316	142	833521	37.34	ng	100
40) 1,2,4,5-Tetrachloroben...	12.469	216	444420	39.13	ng	100
41) Hexachlorocyclopentadiene	12.445	237	305575	44.37	ng	98
43) 2,4,6-Trichlorophenol	12.716	196	305651	41.55	ng	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	336252	41.06	ng	97
46) 1,1'-Biphenyl	13.116	154	1124669	38.91	ng	99
47) 2-Chloronaphthalene	13.157	162	864853	39.24	ng	98
48) 2-Nitroaniline	13.369	65	264965	40.60	ng	97
49) Acenaphthylene	14.010	152	1419821	38.49	ng	100
50) Dimethylphthalate	13.751	163	1155211	38.75	ng	99
51) 2,6-Dinitrotoluene	13.875	165	247537	39.32	ng	99
52) Acenaphthene	14.357	154	803755	37.90	ng	99
53) 3-Nitroaniline	14.210	138	262737	40.87	ng	100
54) 2,4-Dinitrophenol	14.428	184	135624	37.83	ng	96
55) Dibenzofuran	14.698	168	1282228	37.91	ng	99
56) 4-Nitrophenol	14.545	139	202528	38.70	ng	97
57) 2,4-Dinitrotoluene	14.675	165	354817	39.97	ng	99
58) Fluorene	15.357	166	1059642	38.42	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.934	232	298327	39.27	ng	99
60) Diethylphthalate	15.134	149	1150091	38.17	ng	100
61) 4-Chlorophenyl-phenyle...	15.357	204	526066	38.25	ng	99
62) 4-Nitroaniline	15.398	138	265185	42.72	ng	98
63) Azobenzene	15.657	77	1000653	38.82	ng	98
65) 4,6-Dinitro-2-methylph...	15.451	198	203200	40.30	ng	98
66) n-Nitrosodiphenylamine	15.575	169	920187	38.38	ng	100
67) 4-Bromophenyl-phenylether	16.269	248	357846	38.91	ng	97
68) Hexachlorobenzene	16.386	284	446142	38.18	ng	99
69) Atrazine	16.551	200	347661	39.57	ng	99
70) Pentachlorophenol	16.739	266	269781	41.12	ng	99
71) Phenanthrene	17.133	178	1629118	37.55	ng	99
72) Anthracene	17.228	178	1669395	38.24	ng	100
73) Carbazole	17.510	167	1563685	39.57	ng	99
74) Di-n-butylphthalate	18.098	149	1978741	38.94	ng	100
75) Fluoranthene	19.222	202	1956043	38.57	ng	100
77) Benzidine	19.422	184	1023514	43.25	ng	99
78) Pyrene	19.604	202	1992845	38.28	ng	100
80) Butylbenzylphthalate	20.557	149	938210	40.52	ng	96
81) Benzo(a)anthracene	21.510	228	2121561	38.89	ng	99
82) 3,3'-Dichlorobenzidine	21.433	252	861323	42.51	ng	100
83) Chrysene	21.574	228	1976940	38.23	ng	99
84) Bis(2-ethylhexyl)phtha...	21.445	149	1375919	40.43	ng	100
85) Di-n-octyl phthalate	22.698	149	2321673	41.72	ng	100
87) Indeno(1,2,3-cd)pyrene	28.515	276	2879864m	38.85	ng	
88) Benzo(b)fluoranthene	23.768	252	2283322	39.29	ng	100
89) Benzo(k)fluoranthene	23.833	252	2289000	38.22	ng	100
90) Benzo(a)pyrene	24.668	252	2177020	39.00	ng	99
91) Dibenzo(a,h)anthracene	28.615	278	2374558	39.38	ng	100
92) Benzo(g,h,i)perylene	29.686	276	2333151	38.91	ng	100

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

ICAL Form

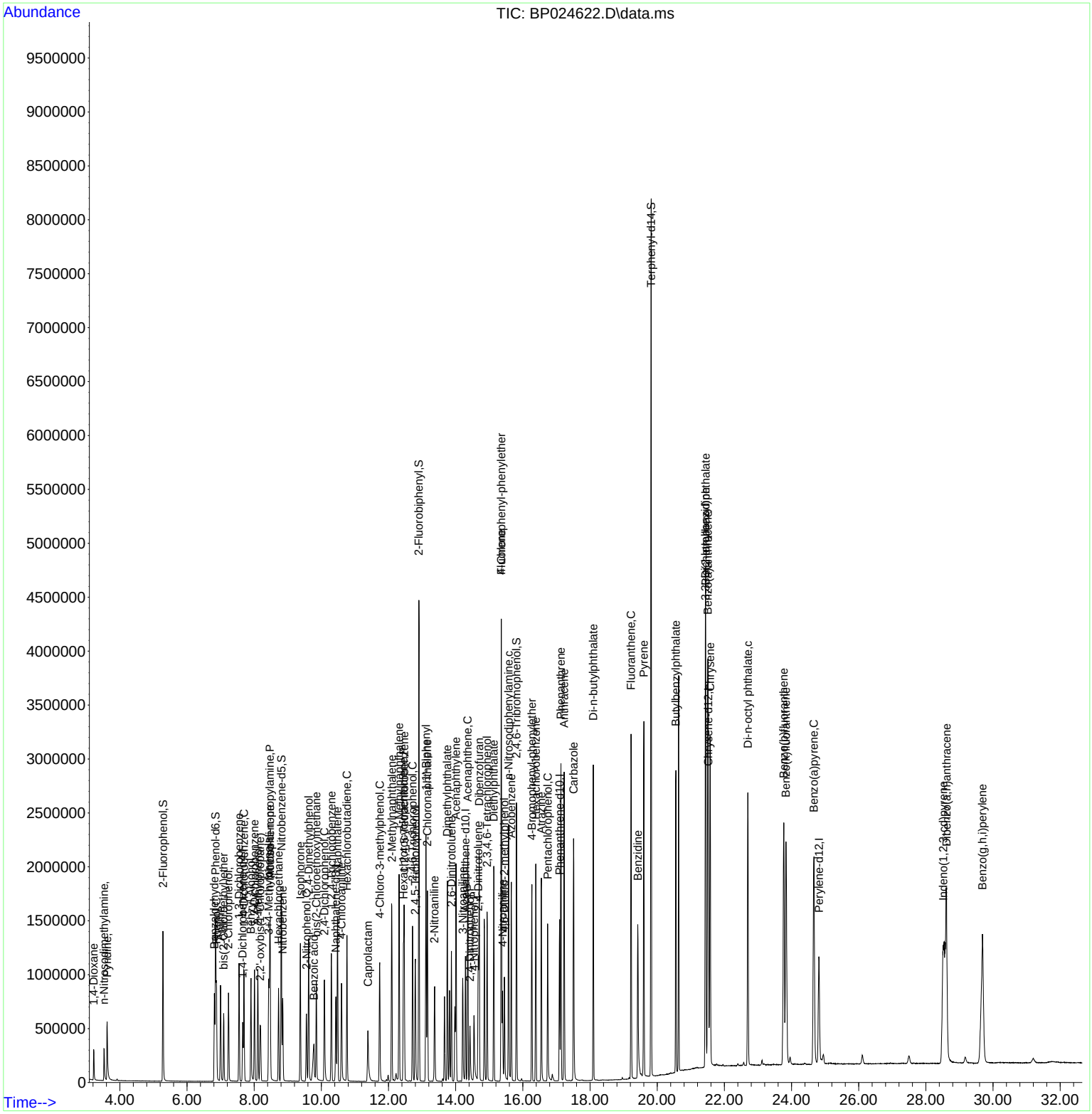
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/14/2025
Supervised By :Jagrut Upadhyay 05/14/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	119	0.00
2		1,4-Dioxane	0.549	0.505	8.0	119	0.00
3		Pyridine	1.218	1.203	1.2	120	0.00
4		n-Nitrosodimethylamine	0.538	0.510	5.2	118	0.00
5	S	2-Fluorophenol	1.169	1.139	2.6	123	0.00
6		Aniline	1.927	1.889	2.0	118	0.00
7	S	Phenol-d6	1.492	1.475	1.1	120	0.00
8		2-Chlorophenol	1.327	1.306	1.6	120	0.00
9		Benzaldehyde	0.966	0.943	2.4	118	0.00
10	C	Phenol	1.540	1.505	2.3	119	0.00
11		bis(2-Chloroethyl)ether	1.266	1.200	5.2	118	0.00
12		1,3-Dichlorobenzene	1.527	1.447	5.2	120	0.00
13	C	1,4-Dichlorobenzene	1.536	1.456	5.2	118	0.00
14		1,2-Dichlorobenzene	1.497	1.418	5.3	119	0.00
15		Benzyl Alcohol	1.134	1.149	-1.3	119	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.441	4.9	117	0.00
17		2-Methylphenol	1.105	1.094	1.0	119	0.00
18		Hexachloroethane	0.589	0.548	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	1.032	1.011	2.0	115	0.00
20		3+4-Methylphenols	1.503	1.486	1.1	117	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	115	0.00
22		Acetophenone	0.500	0.480	4.0	115	0.00
23	S	Nitrobenzene-d5	0.396	0.387	2.3	116	0.00
24		Nitrobenzene	0.348	0.335	3.7	115	0.00
25		Isophorone	0.687	0.661	3.8	113	0.00
26	C	2-Nitrophenol	0.171	0.175	-2.3	118	0.00
27		2,4-Dimethylphenol	0.301	0.297	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	0.410	0.397	3.2	115	0.00
29	C	2,4-Dichlorophenol	0.292	0.293	-0.3	116	0.00
30		1,2,4-Trichlorobenzene	0.329	0.313	4.9	118	0.00
31		Naphthalene	1.036	0.986	4.8	116	0.00
32		Benzoic acid	0.181	0.180	0.6	108	0.00
33		4-Chloroaniline	0.418	0.422	-1.0	116	0.00
34	C	Hexachlorobutadiene	0.213	0.198	7.0	115	0.00
35		Caprolactam	0.106	0.105	0.9	110	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.347	2.5	112	0.00
37		2-Methylnaphthalene	0.671	0.635	5.4	114	0.00
38		1-Methylnaphthalene	0.718	0.670	6.7	112	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.581	0.568	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	0.352	0.391	-11.1	118	0.00
42	S	2,4,6-Tribromophenol	0.339	0.333	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.391	-4.0	114	0.00
44		2,4,5-Trichlorophenol	0.419	0.430	-2.6	115	0.00
45	S	2-Fluorobiphenyl	1.527	1.464	4.1	110	0.00
46		1,1'-Biphenyl	1.478	1.438	2.7	112	0.00
47		2-Chloronaphthalene	1.127	1.106	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	0.334	0.339	-1.5	109	0.00
49		Acenaphthylene	1.886	1.815	3.8	109	0.00
50		Dimethylphthalate	1.524	1.477	3.1	110	0.00
51		2,6-Dinitrotoluene	0.322	0.316	1.9	109	0.00
52	C	Acenaphthene	1.084	1.028	5.2	108	0.00
53		3-Nitroaniline	0.329	0.336	-2.1	107	0.00
54	P	2,4-Dinitrophenol	0.169	0.173	-2.4	109	0.00
55		Dibenzofuran	1.730	1.639	5.3	108	0.00
56	P	4-Nitrophenol	0.250	0.259	-3.6	109	0.00
57		2,4-Dinitrotoluene	0.454	0.454	0.0	108	0.00
58		Fluorene	1.410	1.355	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.381	1.8	109	0.00
60		Diethylphthalate	1.541	1.470	4.6	110	0.00
61		4-Chlorophenyl-phenylether	0.703	0.673	4.3	111	0.00
62		4-Nitroaniline	0.317	0.339	-6.9	111	0.00
63		Azobenzene	1.318	1.279	3.0	110	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.129	0.130	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.589	4.1	108	0.00
67		4-Bromophenyl-phenylether	0.236	0.229	3.0	111	0.00
68		Hexachlorobenzene	0.299	0.286	4.3	110	0.00
69		Atrazine	0.225	0.223	0.9	111	0.00
70	C	Pentachlorophenol	0.168	0.173	-3.0	109	0.00
71		Phenanthrene	1.112	1.044	6.1	108	0.00
72		Anthracene	1.119	1.069	4.5	108	0.00
73		Carbazole	1.012	1.002	1.0	109	0.00
74		Di-n-butylphthalate	1.302	1.268	2.6	109	0.00
75	C	Fluoranthene	1.300	1.253	3.6	109	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	107	0.00
77		Benzidine	0.545	0.589	-8.1	113	0.00
78		Pyrene	1.198	1.147	4.3	107	0.01
79	S	Terphenyl-d14	1.166	1.119	4.0	107	0.01
80		Butylbenzylphthalate	0.533	0.540	-1.3	110	0.02
81		Benzo(a)anthracene	1.256	1.221	2.8	108	0.00
82		3,3'-Dichlorobenzidine	0.466	0.496	-6.4	111	0.00
83		Chrysene	1.190	1.138	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.792	-1.1	111	0.00
85	c	Di-n-octyl phthalate	1.281	1.336	-4.3	112	0.00
86	I	Perylene-d12	1.000	1.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	1.460	1.418	2.9	109	0.00
88		Benzo(b)fluoranthene	1.145	1.124	1.8	111	0.01
89		Benzo(k)fluoranthene	1.180	1.127	4.5	108	0.00
90	C	Benzo(a)pyrene	1.099	1.072	2.5	110	0.02
91		Dibenzo(a,h)anthracene	1.188	1.169	1.6	109	0.02
92		Benzo(g,h,i)perylene	1.181	1.149	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	119	0.00
2		1,4-Dioxane	40.000	36.789	8.0	119	0.00
3		Pyridine	40.000	39.526	1.2	120	0.00
4		n-Nitrosodimethylamine	40.000	37.979	5.1	118	0.00
5	S	2-Fluorophenol	80.000	77.955	2.6	123	0.00
6		Aniline	40.000	39.210	2.0	118	0.00
7	S	Phenol-d6	80.000	79.089	1.1	120	0.00
8		2-Chlorophenol	40.000	39.367	1.6	120	0.00
9		Benzaldehyde	40.000	39.033	2.4	118	0.00
10	C	Phenol	40.000	39.089	2.3	119	0.00
11		bis(2-Chloroethyl)ether	40.000	37.938	5.2	118	0.00
12		1,3-Dichlorobenzene	40.000	37.893	5.3	120	0.00
13	C	1,4-Dichlorobenzene	40.000	37.904	5.2	118	0.00
14		1,2-Dichlorobenzene	40.000	37.896	5.3	119	0.00
15		Benzyl Alcohol	40.000	40.541	-1.4	119	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.037	4.9	117	0.00
17		2-Methylphenol	40.000	39.618	1.0	119	0.00
18		Hexachloroethane	40.000	37.211	7.0	119	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.165	2.1	115	0.00
20		3+4-Methylphenols	40.000	39.562	1.1	117	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	115	0.00
22		Acetophenone	40.000	38.468	3.8	115	0.00
23	S	Nitrobenzene-d5	80.000	78.227	2.2	116	0.00
24		Nitrobenzene	40.000	38.505	3.7	115	0.00
25		Isophorone	40.000	38.491	3.8	113	0.00
26	C	2-Nitrophenol	40.000	41.121	-2.8	118	0.00
27		2,4-Dimethylphenol	40.000	39.484	1.3	115	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.714	3.2	115	0.00
29	C	2,4-Dichlorophenol	40.000	40.189	-0.5	116	0.00
30		1,2,4-Trichlorobenzene	40.000	38.109	4.7	118	0.00
31		Naphthalene	40.000	38.069	4.8	116	0.00
32		Benzoic acid	40.000	36.464	8.8	108	0.00
33		4-Chloroaniline	40.000	40.368	-0.9	116	0.00
34	C	Hexachlorobutadiene	40.000	37.285	6.8	115	0.00
35		Caprolactam	40.000	39.752	0.6	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.013	2.5	112	0.00
37		2-Methylnaphthalene	40.000	37.852	5.4	114	0.00
38		1-Methylnaphthalene	40.000	37.339	6.7	112	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.130	2.2	112	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.371	-10.9	118	0.00
42	S	2,4,6-Tribromophenol	80.000	78.525	1.8	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.549	-3.9	114	0.00
44		2,4,5-Trichlorophenol	40.000	41.064	-2.7	115	0.00
45	S	2-Fluorobiphenyl	80.000	76.733	4.1	110	0.00
46		1,1'-Biphenyl	40.000	38.906	2.7	112	0.00
47		2-Chloronaphthalene	40.000	39.238	1.9	112	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	40.604	-1.5	109	0.00
49		Acenaphthylene	40.000	38.493	3.8	109	0.00
50		Dimethylphthalate	40.000	38.751	3.1	110	0.00
51		2,6-Dinitrotoluene	40.000	39.317	1.7	109	0.00
52	C	Acenaphthene	40.000	37.904	5.2	108	0.00
53		3-Nitroaniline	40.000	40.871	-2.2	107	0.00
54	P	2,4-Dinitrophenol	40.000	37.829	5.4	109	0.00
55		Dibenzofuran	40.000	37.910	5.2	108	0.00
56	P	4-Nitrophenol	40.000	38.698	3.3	109	0.00
57		2,4-Dinitrotoluene	40.000	39.975	0.1	108	0.00
58		Fluorene	40.000	38.422	3.9	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.274	1.8	109	0.00
60		Diethylphthalate	40.000	38.171	4.6	110	0.00
61		4-Chlorophenyl-phenylether	40.000	38.249	4.4	111	0.00
62		4-Nitroaniline	40.000	42.722	-6.8	111	0.00
63		Azobenzene	40.000	38.822	2.9	110	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.305	-0.8	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.382	4.0	108	0.00
67		4-Bromophenyl-phenylether	40.000	38.909	2.7	111	0.00
68		Hexachlorobenzene	40.000	38.175	4.6	110	0.00
69		Atrazine	40.000	39.570	1.1	111	0.00
70	C	Pentachlorophenol	40.000	41.124	-2.8	109	0.00
71		Phenanthrene	40.000	37.546	6.1	108	0.00
72		Anthracene	40.000	38.241	4.4	108	0.00
73		Carbazole	40.000	39.575	1.1	109	0.00
74		Di-n-butylphthalate	40.000	38.939	2.7	109	0.00
75	C	Fluoranthene	40.000	38.566	3.6	109	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	107	0.00
77		Benzidine	40.000	43.253	-8.1	113	0.00
78		Pyrene	40.000	38.281	4.3	107	0.01
79	S	Terphenyl-d14	80.000	76.753	4.1	107	0.01
80		Butylbenzylphthalate	40.000	40.523	-1.3	110	0.02
81		Benzo(a)anthracene	40.000	38.889	2.8	108	0.00
82		3,3'-Dichlorobenzidine	40.000	42.508	-6.3	111	0.00
83		Chrysene	40.000	38.227	4.4	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.433	-1.1	111	0.00
85	c	Di-n-octyl phthalate	40.000	41.721	-4.3	112	0.00
86	I	Perylene-d12	20.000	20.000	0.0	109	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.851	2.9	109	0.00
88		Benzo(b)fluoranthene	40.000	39.289	1.8	111	0.01
89		Benzo(k)fluoranthene	40.000	38.223	4.4	108	0.00
90	C	Benzo(a)pyrene	40.000	39.004	2.5	110	0.02
91		Dibenzo(a,h)anthracene	40.000	39.377	1.6	109	0.02
92		Benzo(g,h,i)perylene	40.000	38.906	2.7	109	0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024622.D
Acq On : 13 May 2025 17:01
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP051325

Quant Time: May 13 18:01:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_P Calibration Date/Time: 05/16/2025 10:49

Lab File ID: BP024651.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.218	1.186		-2.6	
2-Fluorophenol	1.169	1.160		-0.8	
Phenol-d6	1.492	1.444		-3.2	
1,4-Dichlorobenzene	1.536	1.462		-4.8	20.0
2-Methylphenol	1.105	1.046		-5.3	
3+4-Methylphenols	1.503	1.423		-5.3	
Nitrobenzene-d5	0.396	0.381		-3.8	
Hexachloroethane	0.589	0.540		-8.3	
Nitrobenzene	0.348	0.332		-4.6	
Hexachlorobutadiene	0.213	0.203		-4.7	20.0
2,4,6-Trichlorophenol	0.376	0.391		4.0	20.0
2-Fluorobiphenyl	1.527	1.467		-3.9	
2,4,5-Trichlorophenol	0.419	0.429		2.4	
2,4-Dinitrotoluene	0.454	0.461		1.5	
2,4,6-Tribromophenol	0.339	0.336		-0.9	
Hexachlorobenzene	0.299	0.284		-5.0	
Pentachlorophenol	0.168	0.175		4.2	20.0
Terphenyl-d14	1.166	1.069		-8.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024651.D
Acq On : 16 May 2025 10:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 16 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.657	152	118329	20.000	ng		0.00
21) Naphthalene-d8	10.428	136	478267	20.000	ng		0.00
39) Acenaphthene-d10	14.292	164	294926	20.000	ng		-0.01
64) Phenanthrene-d10	17.092	188	598372	20.000	ng		0.00
76) Chrysene-d12	21.521	240	737536	20.000	ng		0.00
86) Perylene-d12	24.809	264	900629	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	548974	79.351	ng		0.00
7) Phenol-d6	6.852	99	683450	77.404	ng		0.00
23) Nitrobenzene-d5	8.810	82	728876	77.002	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	396826	79.368	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	1730726	76.883	ng		0.00
79) Terphenyl-d14	19.816	244	3152813	73.300	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	117515	36.174	ng		98
3) Pyridine	3.622	79	280752	38.975	ng		98
4) n-Nitrosodimethylamine	3.534	42	116978	36.784	ng		96
6) Aniline	6.999	93	432388	37.929	ng		99
8) 2-Chlorophenol	7.234	128	309148	39.363	ng		99
9) Benzaldehyde	6.816	77	218072	38.153	ng		98
10) Phenol	6.881	94	351394	38.558	ng		98
11) bis(2-Chloroethyl)ether	7.093	93	269705	36.016	ng		99
12) 1,3-Dichlorobenzene	7.552	146	341277	37.769	ng		98
13) 1,4-Dichlorobenzene	7.693	146	346067	38.080	ng		99
14) 1,2-Dichlorobenzene	8.010	146	333086	37.613	ng		100
15) Benzyl Alcohol	7.904	79	258691	38.554	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	317027	35.351	ng		99
17) 2-Methylphenol	8.110	107	247572	37.876	ng		97
18) Hexachloroethane	8.722	117	127737	36.679	ng		98
19) n-Nitroso-di-n-propyla...	8.457	70	218714	35.809	ng		98
20) 3+4-Methylphenols	8.434	107	336836	37.884	ng		99
22) Acetophenone	8.475	105	462004	38.672	ng	#	98
24) Nitrobenzene	8.846	77	317818	38.154	ng		97
25) Isophorone	9.369	82	608837	37.080	ng		99
26) 2-Nitrophenol	9.551	139	171567	42.032	ng		100
27) 2,4-Dimethylphenol	9.622	122	285016	39.604	ng		99
28) bis(2-Chloroethoxy)met...	9.846	93	364258	37.133	ng		99
29) 2,4-Dichlorophenol	10.093	162	277368	39.772	ng		97
30) 1,2,4-Trichlorobenzene	10.298	180	304446	38.739	ng		99
31) Naphthalene	10.475	128	957591	38.637	ng		99
32) Benzoic acid	9.769	122	186970	38.981	ng		98
33) 4-Chloroaniline	10.598	127	401035	40.099	ng		99
34) Hexachlorobutadiene	10.757	225	193859	38.079	ng		100
35) Caprolactam	11.381	113	102630	40.675	ng		95
36) 4-Chloro-3-methylphenol	11.734	107	325528	38.277	ng		99
37) 2-Methylnaphthalene	12.092	142	600991	37.449	ng		99
38) 1-Methylnaphthalene	12.316	142	636986	37.097	ng		99
40) 1,2,4,5-Tetrachloroben...	12.463	216	337212	39.374	ng		99
41) Hexachlorocyclopentadiene	12.440	237	217577	41.897	ng		96
43) 2,4,6-Trichlorophenol	12.716	196	230402	41.535	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024651.D
Acq On : 16 May 2025 10:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 16 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

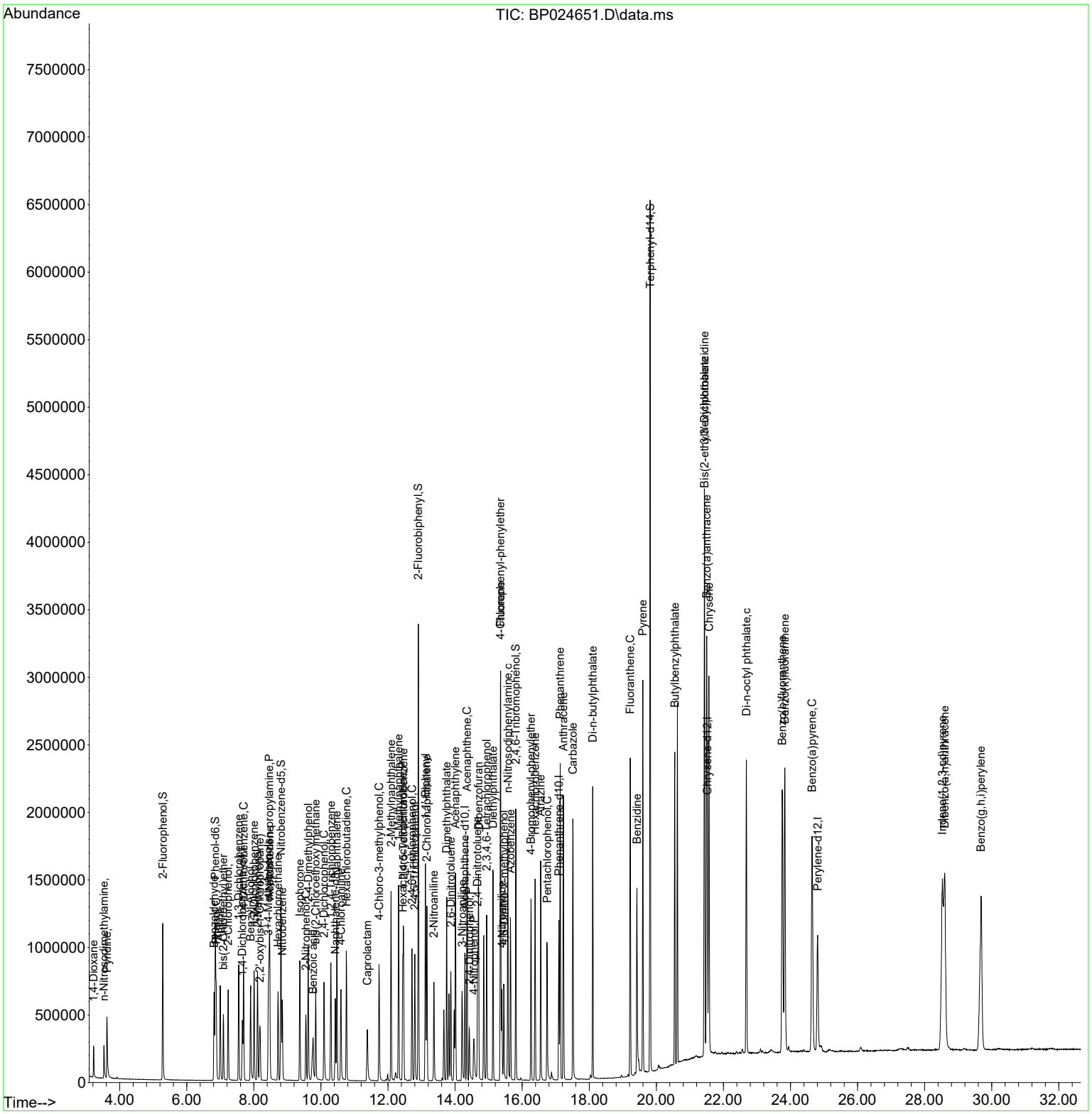
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.798	196	253105	40.990	ng		96
46) 1,1'-Biphenyl	13.116	154	841088	38.585	ng		99
47) 2-Chloronaphthalene	13.157	162	645690	38.849	ng		99
48) 2-Nitroaniline	13.369	65	191672	38.952	ng		97
49) Acenaphthylene	14.010	152	1080697	38.854	ng		100
50) Dimethylphthalate	13.751	163	829879	36.917	ng		100
51) 2,6-Dinitrotoluene	13.875	165	183755	38.705	ng		98
52) Acenaphthene	14.357	154	609504	38.118	ng		100
53) 3-Nitroaniline	14.210	138	197673	40.778	ng		99
54) 2,4-Dinitrophenol	14.428	184	108828	39.845	ng		97
55) Dibenzofuran	14.698	168	983006	38.542	ng		98
56) 4-Nitrophenol	14.557	139	149992	38.082	ng		95
57) 2,4-Dinitrotoluene	14.669	165	272203	40.669	ng		99
58) Fluorene	15.357	166	809354	38.918	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.939	232	231582	40.430	ng		96
60) Diethylphthalate	15.134	149	859010	37.808	ng		99
61) 4-Chlorophenyl-phenyle...	15.351	204	390618	37.663	ng		100
62) 4-Nitroaniline	15.398	138	211739	45.237	ng		96
63) Azobenzene	15.651	77	741176	38.133	ng		99
65) 4,6-Dinitro-2-methylph...	15.457	198	158051	40.892	ng		96
66) n-Nitrosodiphenylamine	15.575	169	709766	38.617	ng		99
67) 4-Bromophenyl-phenylether	16.263	248	264979	37.581	ng		97
68) Hexachlorobenzene	16.386	284	339807	37.927	ng		96
69) Atrazine	16.551	200	268043	39.795	ng		99
70) Pentachlorophenol	16.745	266	209468	41.649	ng		99
71) Phenanthrene	17.133	178	1274777	38.323	ng		100
72) Anthracene	17.227	178	1303093	38.936	ng		100
73) Carbazole	17.510	167	1254201	41.404	ng		100
74) Di-n-butylphthalate	18.104	149	1531129	39.303	ng		99
75) Fluoranthene	19.222	202	1564352	40.231	ng		99
77) Benzidine	19.422	184	897447	44.677	ng		100
78) Pyrene	19.598	202	1646532	37.259	ng		100
80) Butylbenzylphthalate	20.551	149	772796	39.320	ng		94
81) Benzo(a)anthracene	21.498	228	1798025	38.825	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	743162	43.205	ng		100
83) Chrysene	21.568	228	1670912	38.061	ng		100
84) Bis(2-ethylhexyl)phtha...	21.439	149	1103345	38.194	ng		99
85) Di-n-octyl phthalate	22.686	149	1915915	40.558	ng		100
87) Indeno(1,2,3-cd)pyrene	28.527	276	2595773	39.479	ng	#	91
88) Benzo(b)fluoranthene	23.751	252	1960044	38.022	ng		99
89) Benzo(k)fluoranthene	23.833	252	2028864	38.194	ng		99
90) Benzo(a)pyrene	24.645	252	1919915	38.778	ng		99
91) Dibenzo(a,h)anthracene	28.597	278	2105124	39.355	ng		99
92) Benzo(g,h,i)perylene	29.680	276	2069354	38.902	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024651.D
Acq On : 16 May 2025 10:49
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 16 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_P Calibration Date/Time: 05/16/2025 23:48

Lab File ID: BP024669.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.218	1.095		-10.1	
2-Fluorophenol	1.169	1.153		-1.4	
Phenol-d6	1.492	1.425		-4.5	
1,4-Dichlorobenzene	1.536	1.489		-3.1	20.0
2-Methylphenol	1.105	1.070		-3.2	
3+4-Methylphenols	1.503	1.482		-1.4	
Nitrobenzene-d5	0.396	0.370		-6.6	
Hexachloroethane	0.589	0.556		-5.6	
Nitrobenzene	0.348	0.329		-5.5	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
2,4,6-Trichlorophenol	0.376	0.381		1.3	20.0
2-Fluorobiphenyl	1.527	1.462		-4.3	
2,4,5-Trichlorophenol	0.419	0.417		-0.5	
2,4-Dinitrotoluene	0.454	0.452		-0.4	
2,4,6-Tribromophenol	0.339	0.326		-3.8	
Hexachlorobenzene	0.299	0.288		-3.7	
Pentachlorophenol	0.168	0.144		-14.3	20.0
Terphenyl-d14	1.166	1.105		-5.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024669.D
Acq On : 16 May 2025 23:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:23:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.657	152	115474	20.000	ng		0.00
21) Naphthalene-d8	10.428	136	498465	20.000	ng		0.00
39) Acenaphthene-d10	14.292	164	335025	20.000	ng		-0.01
64) Phenanthrene-d10	17.086	188	663361	20.000	ng		-0.01
76) Chrysene-d12	21.521	240	775754	20.000	ng		0.00
86) Perylene-d12	24.792	264	918787	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.299	112	532696	78.901	ng		0.01
7) Phenol-d6	6.875	99	658247	76.393	ng		0.02
23) Nitrobenzene-d5	8.810	82	737261	74.732	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	437420	77.015	ng		0.00
45) 2-Fluorobiphenyl	12.898	172	1959776	76.638	ng		0.00
79) Terphenyl-d14	19.810	244	3427405	75.758	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.222	88	120655	38.058	ng		99
3) Pyridine	3.622	79	252943	35.982	ng		96
4) n-Nitrosodimethylamine	3.534	42	112623	36.290	ng		95
6) Aniline	6.999	93	395358	35.538	ng		99
8) 2-Chlorophenol	7.246	128	300639	39.226	ng		96
9) Benzaldehyde	6.816	77	200671	35.976	ng		95
10) Phenol	6.899	94	332447	37.381	ng		98
11) bis(2-Chloroethyl)ether	7.093	93	247153	33.821	ng		98
12) 1,3-Dichlorobenzene	7.546	146	336628	38.176	ng		99
13) 1,4-Dichlorobenzene	7.693	146	343913	38.778	ng		100
14) 1,2-Dichlorobenzene	8.005	146	332521	38.478	ng		99
15) Benzyl Alcohol	7.910	79	252254	38.524	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.175	45	300446	34.330	ng		99
17) 2-Methylphenol	8.128	107	247172	38.750	ng		99
18) Hexachloroethane	8.722	117	128517	37.815	ng		98
19) n-Nitroso-di-n-propyla...	8.457	70	213434	35.808	ng		98
20) 3+4-Methylphenols	8.452	107	342259	39.446	ng		95
22) Acetophenone	8.475	105	462792	37.168	ng	#	99
24) Nitrobenzene	8.852	77	327588	37.733	ng		97
25) Isophorone	9.369	82	618369	36.135	ng		99
26) 2-Nitrophenol	9.557	139	179053	42.089	ng		99
27) 2,4-Dimethylphenol	9.634	122	309112	41.212	ng		98
28) bis(2-Chloroethoxy)met...	9.851	93	362937	35.499	ng		98
29) 2,4-Dichlorophenol	10.116	162	292813	40.286	ng		97
30) 1,2,4-Trichlorobenzene	10.293	180	322298	39.349	ng		98
31) Naphthalene	10.481	128	999189	38.682	ng		100
32) Benzoic acid	9.804	122	129288m	28.376	ng		
33) 4-Chloroaniline	10.599	127	418488	40.149	ng		98
34) Hexachlorobutadiene	10.757	225	211022	39.770	ng		97
35) Caprolactam	11.393	113	99684	37.907	ng		93
36) 4-Chloro-3-methylphenol	11.763	107	337513	38.078	ng		95
37) 2-Methylnaphthalene	12.093	142	656947	39.277	ng		99
38) 1-Methylnaphthalene	12.316	142	700424	39.138	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	381119	39.175	ng		99
41) Hexachlorocyclopentadiene	12.440	237	119373	20.236	ng		98
43) 2,4,6-Trichlorophenol	12.722	196	255577	40.559	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024669.D
Acq On : 16 May 2025 23:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:23:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.822	196	279703	39.876	ng	96
46) 1,1'-Biphenyl	13.110	154	943062	38.085	ng	99
47) 2-Chloronaphthalene	13.157	162	729191	38.622	ng	99
48) 2-Nitroaniline	13.375	65	217569	38.923	ng	95
49) Acenaphthylene	14.010	152	1220137	38.617	ng	100
50) Dimethylphthalate	13.751	163	952752	37.310	ng	100
51) 2,6-Dinitrotoluene	13.875	165	207277	38.434	ng	99
52) Acenaphthene	14.357	154	695735	38.303	ng	100
53) 3-Nitroaniline	14.210	138	217107	39.426	ng	97
54) 2,4-Dinitrophenol	14.434	184	94058	31.846	ng	99
55) Dibenzofuran	14.692	168	1116576	38.539	ng	99
56) 4-Nitrophenol	14.610	139	136325	31.316	ng	96
57) 2,4-Dinitrotoluene	14.675	165	303001	39.852	ng	99
58) Fluorene	15.357	166	894680	37.871	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.945	232	249544	38.351	ng	95
60) Diethylphthalate	15.128	149	960257	37.206	ng	99
61) 4-Chlorophenyl-phenyle...	15.351	204	444136	37.698	ng	99
62) 4-Nitroaniline	15.392	138	207475	39.020	ng	100
63) Azobenzene	15.645	77	802789	36.360	ng	97
65) 4,6-Dinitro-2-methylph...	15.457	198	160151	37.376	ng	96
66) n-Nitrosodiphenylamine	15.575	169	776213	38.095	ng	99
67) 4-Bromophenyl-phenylether	16.263	248	302840	38.743	ng	99
68) Hexachlorobenzene	16.381	284	382758	38.536	ng	97
69) Atrazine	16.551	200	294996	39.506	ng	98
70) Pentachlorophenol	16.751	266	191660	34.375	ng	98
71) Phenanthrene	17.133	178	1396534	37.870	ng	100
72) Anthracene	17.222	178	1446823	38.995	ng	99
73) Carbazole	17.510	167	1341431	39.945	ng	100
74) Di-n-butylphthalate	18.098	149	1692107	39.179	ng	100
75) Fluoranthene	19.216	202	1692142	39.254	ng	100
77) Benzidine	19.422	184	845021	39.995	ng	100
78) Pyrene	19.592	202	1768904	38.056	ng	100
80) Butylbenzylphthalate	20.539	149	842235	40.742	ng	97
81) Benzo(a)anthracene	21.504	228	1875483	38.503	ng	100
82) 3,3'-Dichlorobenzidine	21.421	252	764897	42.278	ng	100
83) Chrysene	21.569	228	1765612	38.237	ng	100
84) Bis(2-ethylhexyl)phtha...	21.427	149	1229784	40.474	ng	99
85) Di-n-octyl phthalate	22.686	149	2092243	42.108	ng	99
87) Indeno(1,2,3-cd)pyrene	28.515	276	2625183	39.137	ng	98
88) Benzo(b)fluoranthene	23.757	252	2039481	38.781	ng	99
89) Benzo(k)fluoranthene	23.833	252	2017154	37.223	ng	100
90) Benzo(a)pyrene	24.639	252	1962102	38.847	ng	99
91) Dibenzo(a,h)anthracene	28.598	278	2140411	39.224	ng	99
92) Benzo(g,h,i)perylene	29.680	276	2099202	38.683	ng	99

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

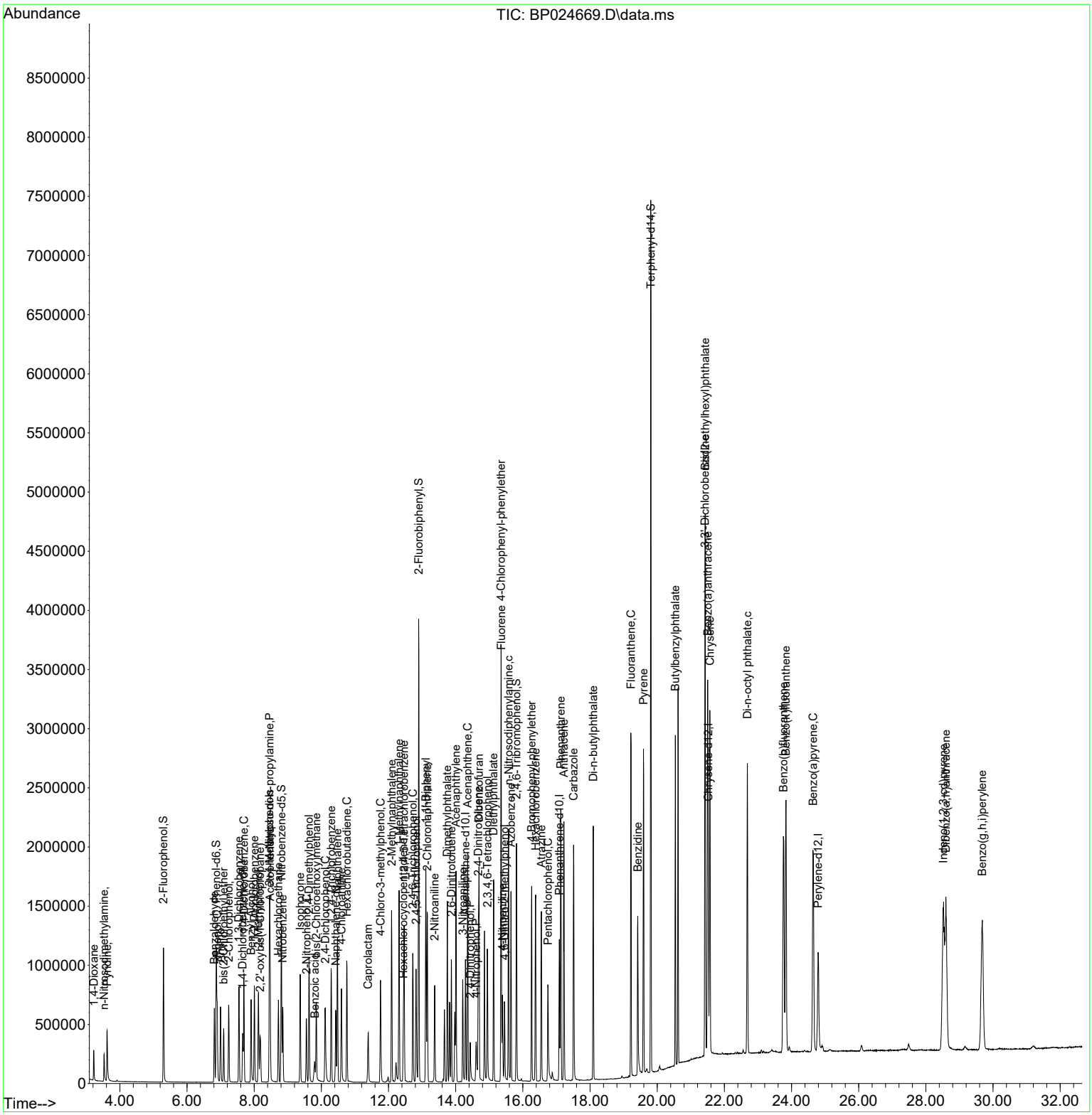
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024669.D
Acq On : 16 May 2025 23:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 17 01:23:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



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: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_P Calibration Date/Time: 05/21/2025 14:48

Lab File ID: BP024737.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.218	1.021		-16.2	
2-Fluorophenol	1.169	1.095		-6.3	
Phenol-d6	1.492	1.334		-10.6	
1,4-Dichlorobenzene	1.536	1.467		-4.5	20.0
2-Methylphenol	1.105	1.000		-9.5	
3+4-Methylphenols	1.503	1.354		-9.9	
Nitrobenzene-d5	0.396	0.360		-9.1	
Hexachloroethane	0.589	0.530		-10.0	
Nitrobenzene	0.348	0.312		-10.3	
Hexachlorobutadiene	0.213	0.222		4.2	20.0
2,4,6-Trichlorophenol	0.376	0.387		2.9	20.0
2-Fluorobiphenyl	1.527	1.480		-3.1	
2,4,5-Trichlorophenol	0.419	0.416		-0.7	
2,4-Dinitrotoluene	0.454	0.452		-0.4	
2,4,6-Tribromophenol	0.339	0.356		5.0	
Hexachlorobenzene	0.299	0.303		1.3	
Pentachlorophenol	0.168	0.184		9.5	20.0
Terphenyl-d14	1.166	1.170		0.3	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.646	152	128557	20.000	ng		-0.02
21) Naphthalene-d8	10.416	136	504282	20.000	ng		-0.02
39) Acenaphthene-d10	14.287	164	338214	20.000	ng		-0.02
64) Phenanthrene-d10	17.081	188	643332	20.000	ng		-0.02
76) Chrysene-d12	21.510	240	728456	20.000	ng		-0.01
86) Perylene-d12	24.786	264	831576	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.281	112	563089	74.915	ng		0.00
7) Phenol-d6	6.852	99	685904	71.501	ng		0.00
23) Nitrobenzene-d5	8.799	82	725976	72.739	ng		-0.01
42) 2,4,6-Tribromophenol	15.804	330	482266	84.111	ng		0.00
45) 2-Fluorobiphenyl	12.898	172	2002009	77.551	ng		0.00
79) Terphenyl-d14	19.804	244	3408868	80.240	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.217	88	123669	35.039	ng		99
3) Pyridine	3.617	79	262480	33.539	ng		95
4) n-Nitrosodimethylamine	3.528	42	123664	35.793	ng		90
6) Aniline	6.993	93	427314	34.502	ng		99
8) 2-Chlorophenol	7.228	128	323294	37.889	ng		97
9) Benzaldehyde	6.805	77	210196	33.849	ng		97
10) Phenol	6.875	94	343323	34.675	ng		97
11) bis(2-Chloroethyl)ether	7.081	93	267754	32.911	ng		97
12) 1,3-Dichlorobenzene	7.540	146	369964	37.687	ng		98
13) 1,4-Dichlorobenzene	7.681	146	377130	38.196	ng		99
14) 1,2-Dichlorobenzene	7.993	146	358228	37.234	ng		99
15) Benzyl Alcohol	7.899	79	274812	37.698	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.175	45	322460	33.096	ng		98
17) 2-Methylphenol	8.105	107	257144	36.211	ng		99
18) Hexachloroethane	8.710	117	136161	35.987	ng		98
19) n-Nitroso-di-n-propyla...	8.452	70	219513	33.080	ng		98
20) 3+4-Methylphenols	8.434	107	348115	36.038	ng		99
22) Acetophenone	8.469	105	472930	37.544	ng	#	98
24) Nitrobenzene	8.840	77	314532	35.811	ng		94
25) Isophorone	9.357	82	621875	35.920	ng		98
26) 2-Nitrophenol	9.546	139	188189	43.726	ng		97
27) 2,4-Dimethylphenol	9.616	122	299412	39.458	ng		99
28) bis(2-Chloroethoxy)met...	9.840	93	373026	36.065	ng		98
29) 2,4-Dichlorophenol	10.087	162	298960	40.657	ng		96
30) 1,2,4-Trichlorobenzene	10.281	180	337424	40.721	ng		98
31) Naphthalene	10.469	128	1008718	38.600	ng		100
32) Benzoic acid	9.787	122	197648m	39.062	ng		
33) 4-Chloroaniline	10.587	127	419312	39.764	ng		97
34) Hexachlorobutadiene	10.746	225	223991	41.728	ng		97
35) Caprolactam	11.393	113	98617	37.068	ng		97
36) 4-Chloro-3-methylphenol	11.734	107	333647	37.207	ng		97
37) 2-Methylnaphthalene	12.081	142	643256	38.015	ng		100
38) 1-Methylnaphthalene	12.304	142	675108	37.289	ng		99
40) 1,2,4,5-Tetrachloroben...	12.457	216	381647	38.859	ng		99
41) Hexachlorocyclopentadiene	12.434	237	239845	40.274	ng		97
43) 2,4,6-Trichlorophenol	12.710	196	261803	41.155	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

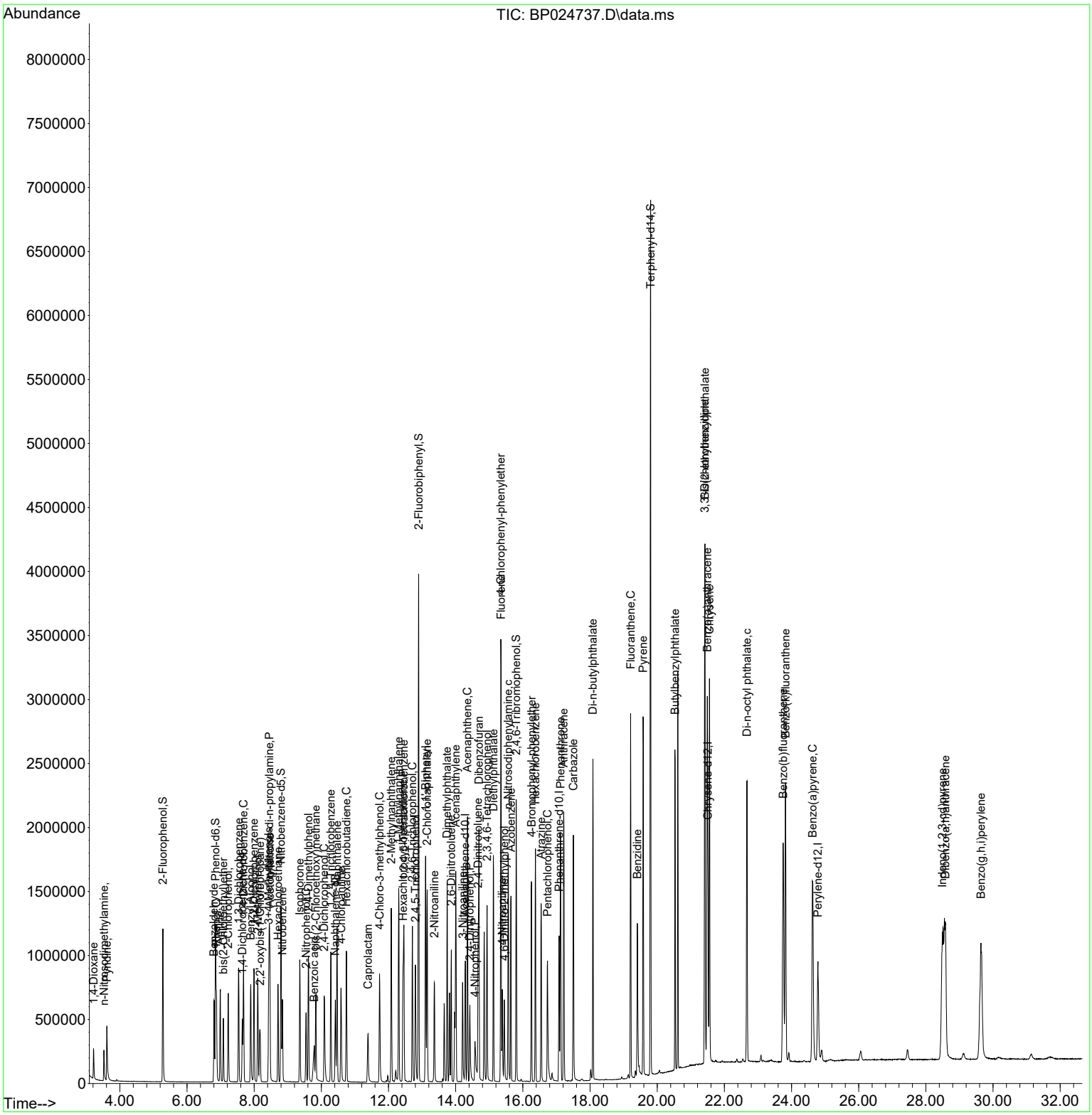
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	281425	39.743	ng	98
46) 1,1'-Biphenyl	13.104	154	961834	38.477	ng	99
47) 2-Chloronaphthalene	13.151	162	734643	38.543	ng	100
48) 2-Nitroaniline	13.363	65	213232	37.787	ng	96
49) Acenaphthylene	14.004	152	1222519	38.328	ng	99
50) Dimethylphthalate	13.745	163	961442	37.296	ng	100
51) 2,6-Dinitrotoluene	13.869	165	207647	38.140	ng	99
52) Acenaphthene	14.351	154	698905	38.115	ng	100
53) 3-Nitroaniline	14.210	138	216734	38.988	ng	97
54) 2,4-Dinitrophenol	14.422	184	164987	50.613	ng	99
55) Dibenzofuran	14.692	168	1115484	38.138	ng	99
56) 4-Nitrophenol	14.575	139	144766	32.722	ng	96
57) 2,4-Dinitrotoluene	14.669	165	305830	39.845	ng	98
58) Fluorene	15.351	166	859607	36.044	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	266302	40.541	ng	96
60) Diethylphthalate	15.122	149	951493	36.519	ng	99
61) 4-Chlorophenyl-phenyle...	15.345	204	439835	36.981	ng	99
62) 4-Nitroaniline	15.387	138	205688m	38.320	ng	
63) Azobenzene	15.645	77	705740	31.663	ng	93
65) 4,6-Dinitro-2-methylph...	15.451	198	163240	39.283	ng	95
66) n-Nitrosodiphenylamine	15.563	169	745065	37.705	ng	99
67) 4-Bromophenyl-phenylether	16.257	248	307639	40.582	ng	94
68) Hexachlorobenzene	16.375	284	389640	40.450	ng	94
69) Atrazine	16.545	200	281596	38.885	ng	99
70) Pentachlorophenol	16.734	266	236626	43.761	ng	98
71) Phenanthrene	17.122	178	1367949	38.250	ng	99
72) Anthracene	17.216	178	1402936	38.990	ng	99
73) Carbazole	17.504	167	1273717	39.110	ng	100
74) Di-n-butylphthalate	18.086	149	1683824	40.201	ng	99
75) Fluoranthene	19.210	202	1610436	38.522	ng	98
77) Benzidine	19.410	184	830549	41.862	ng	100
78) Pyrene	19.580	202	1695680	38.849	ng	100
80) Butylbenzylphthalate	20.533	149	775853	39.968	ng	92
81) Benzo(a)anthracene	21.492	228	1753708	38.340	ng	99
82) 3,3'-Dichlorobenzidine	21.416	252	721764	42.484	ng	99
83) Chrysene	21.557	228	1649202	38.035	ng	99
84) Bis(2-ethylhexyl)phtha...	21.422	149	1152986	40.410	ng	99
85) Di-n-octyl phthalate	22.674	149	1934196	41.455	ng	100
87) Indeno(1,2,3-cd)pyrene	28.492	276	2389128m	39.353	ng	
88) Benzo(b)fluoranthene	23.751	252	1842112	38.701	ng	98
89) Benzo(k)fluoranthene	23.821	252	1866702	38.060	ng	99
90) Benzo(a)pyrene	24.627	252	1761704	38.538	ng	99
91) Dibenzo(a,h)anthracene	28.586	278	1961249	39.710	ng	98
92) Benzo(g,h,i)perylene	29.639	276	1901784	38.721	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	-0.02
2		1,4-Dioxane	0.549	0.481	12.4	101	-0.01
3		Pyridine	1.218	1.021	16.2	91	0.00
4		n-Nitrosodimethylamine	0.538	0.481	10.6	99	0.00
5	S	2-Fluorophenol	1.169	1.095	6.3	105	0.00
6		Aniline	1.927	1.662	13.8	92	-0.01
7	S	Phenol-d6	1.492	1.334	10.6	96	0.00
8		2-Chlorophenol	1.327	1.257	5.3	103	-0.01
9		Benzaldehyde	0.966	0.818	15.3	91	-0.02
10	C	Phenol	1.540	1.335	13.3	94	0.00
11		bis(2-Chloroethyl)ether	1.266	1.041	17.8	91	-0.02
12		1,3-Dichlorobenzene	1.527	1.439	5.8	106	-0.01
13	C	1,4-Dichlorobenzene	1.536	1.467	4.5	106	-0.02
14		1,2-Dichlorobenzene	1.497	1.393	6.9	104	-0.02
15		Benzyl Alcohol	1.134	1.069	5.7	99	0.00
16		2,2'-oxybis(1-Chloropropane	1.516	1.254	17.3	91	-0.01
17		2-Methylphenol	1.105	1.000	9.5	97	0.00
18		Hexachloroethane	0.589	0.530	10.0	102	-0.02
19	P	n-Nitroso-di-n-propylamine	1.032	0.854	17.2	87	0.00
20		3+4-Methylphenols	1.503	1.354	9.9	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	93	-0.02
22		Acetophenone	0.500	0.469	6.2	91	0.00
23	S	Nitrobenzene-d5	0.396	0.360	9.1	88	-0.01
24		Nitrobenzene	0.348	0.312	10.3	86	-0.01
25		Isophorone	0.687	0.617	10.2	86	-0.02
26	C	2-Nitrophenol	0.171	0.187	-9.4	101	-0.02
27		2,4-Dimethylphenol	0.301	0.297	1.3	93	-0.01
28		bis(2-Chloroethoxy)methane	0.410	0.370	9.8	87	-0.01
29	C	2,4-Dichlorophenol	0.292	0.296	-1.4	95	0.00
30		1,2,4-Trichlorobenzene	0.329	0.335	-1.8	102	-0.02
31		Naphthalene	1.036	1.000	3.5	95	-0.01
32		Benzoic acid	0.181	0.196	-8.3	96	0.01
33		4-Chloroaniline	0.418	0.416	0.5	93	-0.01
34	C	Hexachlorobutadiene	0.213	0.222	-4.2	105	-0.02
35		Caprolactam	0.106	0.098	7.5	84	0.00
36	C	4-Chloro-3-methylphenol	0.356	0.331	7.0	87	0.00
37		2-Methylnaphthalene	0.671	0.638	4.9	93	-0.01
38		1-Methylnaphthalene	0.718	0.669	6.8	91	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.581	0.564	2.9	96	-0.01
41	P	Hexachlorocyclopentadiene	0.352	0.355	-0.9	93	-0.01
42	S	2,4,6-Tribromophenol	0.339	0.356	-5.0	103	0.00
43	C	2,4,6-Trichlorophenol	0.376	0.387	-2.9	97	0.00
44		2,4,5-Trichlorophenol	0.419	0.416	0.7	96	0.00
45	S	2-Fluorobiphenyl	1.527	1.480	3.1	96	0.00
46		1,1'-Biphenyl	1.478	1.422	3.8	96	-0.01
47		2-Chloronaphthalene	1.127	1.086	3.6	95	0.00

Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	0.334	0.315	5.7	88	-0.01
49		Acenaphthylene	1.886	1.807	4.2	93	-0.01
50		Dimethylphthalate	1.524	1.421	6.8	91	-0.01
51		2,6-Dinitrotoluene	0.322	0.307	4.7	92	-0.01
52	C	Acenaphthene	1.084	1.033	4.7	94	-0.01
53		3-Nitroaniline	0.329	0.320	2.7	88	0.00
54	P	2,4-Dinitrophenol	0.169	0.244	-44.4#	133	0.00
55		Dibenzofuran	1.730	1.649	4.7	94	0.00
56	P	4-Nitrophenol	0.250	0.214	14.4	78	0.02
57		2,4-Dinitrotoluene	0.454	0.452	0.4	93	-0.01
58		Fluorene	1.410	1.271	9.9	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.388	0.394	-1.5	97	0.00
60		Diethylphthalate	1.541	1.407	8.7	91	-0.02
61		4-Chlorophenyl-phenylether	0.703	0.650	7.5	93	-0.01
62		4-Nitroaniline	0.317	0.304	4.1	86	0.00
63		Azobenzene	1.318	1.043	20.9	78	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	90	-0.02
65		4,6-Dinitro-2-methylphenol	0.129	0.127	1.6	88	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.579	5.7	88	-0.02
67		4-Bromophenyl-phenylether	0.236	0.239	-1.3	95	0.00
68		Hexachlorobenzene	0.299	0.303	-1.3	96	0.00
69		Atrazine	0.225	0.219	2.7	90	-0.01
70	C	Pentachlorophenol	0.168	0.184	-9.5	96	-0.01
71		Phenanthrene	1.112	1.063	4.4	91	-0.01
72		Anthracene	1.119	1.090	2.6	91	-0.01
73		Carbazole	1.012	0.990	2.2	89	-0.01
74		Di-n-butylphthalate	1.302	1.309	-0.5	93	-0.01
75	C	Fluoranthene	1.300	1.252	3.7	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	-0.01
77		Benzidine	0.545	0.570	-4.6	92	0.00
78		Pyrene	1.198	1.164	2.8	91	-0.01
79	S	Terphenyl-d14	1.166	1.170	-0.3	93	0.00
80		Butylbenzylphthalate	0.533	0.533	0.0	91	0.00
81		Benzo(a)anthracene	1.256	1.204	4.1	90	-0.01
82		3,3'-Dichlorobenzidine	0.466	0.495	-6.2	93	-0.01
83		Chrysene	1.190	1.132	4.9	90	-0.01
84		Bis(2-ethylhexyl)phthalate	0.783	0.791	-1.0	93	-0.02
85	c	Di-n-octyl phthalate	1.281	1.328	-3.7	93	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	89	-0.02
87		Indeno(1,2,3-cd)pyrene	1.460	1.437	1.6	90	-0.02
88		Benzo(b)fluoranthene	1.145	1.108	3.2	90	0.00
89		Benzo(k)fluoranthene	1.180	1.122	4.9	88	0.00
90	C	Benzo(a)pyrene	1.099	1.059	3.6	89	-0.02
91		Dibenzo(a,h)anthracene	1.188	1.179	0.8	90	-0.01
92		Benzo(g,h,i)perylene	1.181	1.143	3.2	89	-0.02

Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	-0.02
2		1,4-Dioxane	40.000	35.039	12.4	101	-0.01
3		Pyridine	40.000	33.539	16.2	91	0.00
4		n-Nitrosodimethylamine	40.000	35.793	10.5	99	0.00
5	S	2-Fluorophenol	80.000	74.915	6.4	105	0.00
6		Aniline	40.000	34.502	13.7	92	-0.01
7	S	Phenol-d6	80.000	71.501	10.6	96	0.00
8		2-Chlorophenol	40.000	37.889	5.3	103	-0.01
9		Benzaldehyde	40.000	33.849	15.4	91	-0.02
10	C	Phenol	40.000	34.675	13.3	94	0.00
11		bis(2-Chloroethyl)ether	40.000	32.911	17.7	91	-0.02
12		1,3-Dichlorobenzene	40.000	37.687	5.8	106	-0.01
13	C	1,4-Dichlorobenzene	40.000	38.196	4.5	106	-0.02
14		1,2-Dichlorobenzene	40.000	37.234	6.9	104	-0.02
15		Benzyl Alcohol	40.000	37.698	5.8	99	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	33.096	17.3	91	-0.01
17		2-Methylphenol	40.000	36.211	9.5	97	0.00
18		Hexachloroethane	40.000	35.987	10.0	102	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	33.080	17.3	87	0.00
20		3+4-Methylphenols	40.000	36.038	9.9	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	93	-0.02
22		Acetophenone	40.000	37.544	6.1	91	0.00
23	S	Nitrobenzene-d5	80.000	72.739	9.1	88	-0.01
24		Nitrobenzene	40.000	35.811	10.5	86	-0.01
25		Isophorone	40.000	35.920	10.2	86	-0.02
26	C	2-Nitrophenol	40.000	43.726	-9.3	101	-0.02
27		2,4-Dimethylphenol	40.000	39.458	1.4	93	-0.01
28		bis(2-Chloroethoxy)methane	40.000	36.065	9.8	87	-0.01
29	C	2,4-Dichlorophenol	40.000	40.657	-1.6	95	0.00
30		1,2,4-Trichlorobenzene	40.000	40.721	-1.8	102	-0.02
31		Naphthalene	40.000	38.600	3.5	95	-0.01
32		Benzoic acid	40.000	39.062	2.3	96	0.01
33		4-Chloroaniline	40.000	39.764	0.6	93	-0.01
34	C	Hexachlorobutadiene	40.000	41.728	-4.3	105	-0.02
35		Caprolactam	40.000	37.068	7.3	84	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.207	7.0	87	0.00
37		2-Methylnaphthalene	40.000	38.015	5.0	93	-0.01
38		1-Methylnaphthalene	40.000	37.289	6.8	91	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	93	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	38.859	2.9	96	-0.01
41	P	Hexachlorocyclopentadiene	40.000	40.274	-0.7	93	-0.01
42	S	2,4,6-Tribromophenol	80.000	84.111	-5.1	103	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.155	-2.9	97	0.00
44		2,4,5-Trichlorophenol	40.000	39.743	0.6	96	0.00
45	S	2-Fluorobiphenyl	80.000	77.551	3.1	96	0.00
46		1,1'-Biphenyl	40.000	38.477	3.8	96	-0.01
47		2-Chloronaphthalene	40.000	38.543	3.6	95	0.00

Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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	37.787	5.5	88	-0.01
49		Acenaphthylene	40.000	38.328	4.2	93	-0.01
50		Dimethylphthalate	40.000	37.296	6.8	91	-0.01
51		2,6-Dinitrotoluene	40.000	38.140	4.6	92	-0.01
52	C	Acenaphthene	40.000	38.115	4.7	94	-0.01
53		3-Nitroaniline	40.000	38.988	2.5	88	0.00
54	P	2,4-Dinitrophenol	40.000	50.613	-26.5#	133	0.00
55		Dibenzofuran	40.000	38.138	4.7	94	0.00
56	P	4-Nitrophenol	40.000	32.722	18.2	78	0.02
57		2,4-Dinitrotoluene	40.000	39.845	0.4	93	-0.01
58		Fluorene	40.000	36.044	9.9	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.541	-1.4	97	0.00
60		Diethylphthalate	40.000	36.519	8.7	91	-0.02
61		4-Chlorophenyl-phenylether	40.000	36.981	7.5	93	-0.01
62		4-Nitroaniline	40.000	38.320	4.2	86	0.00
63		Azobenzene	40.000	31.663	20.8	78	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	90	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	39.283	1.8	88	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.705	5.7	88	-0.02
67		4-Bromophenyl-phenylether	40.000	40.582	-1.5	95	0.00
68		Hexachlorobenzene	40.000	40.450	-1.1	96	0.00
69		Atrazine	40.000	38.885	2.8	90	-0.01
70	C	Pentachlorophenol	40.000	43.761	-9.4	96	-0.01
71		Phenanthrene	40.000	38.250	4.4	91	-0.01
72		Anthracene	40.000	38.990	2.5	91	-0.01
73		Carbazole	40.000	39.110	2.2	89	-0.01
74		Di-n-butylphthalate	40.000	40.201	-0.5	93	-0.01
75	C	Fluoranthene	40.000	38.522	3.7	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	-0.01
77		Benzidine	40.000	41.862	-4.7	92	0.00
78		Pyrene	40.000	38.849	2.9	91	-0.01
79	S	Terphenyl-d14	80.000	80.240	-0.3	93	0.00
80		Butylbenzylphthalate	40.000	39.968	0.1	91	0.00
81		Benzo(a)anthracene	40.000	38.340	4.1	90	-0.01
82		3,3'-Dichlorobenzidine	40.000	42.484	-6.2	93	-0.01
83		Chrysene	40.000	38.035	4.9	90	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	40.410	-1.0	93	-0.02
85	c	Di-n-octyl phthalate	40.000	41.455	-3.6	93	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	89	-0.02
87		Indeno(1,2,3-cd)pyrene	40.000	39.353	1.6	90	-0.02
88		Benzo(b)fluoranthene	40.000	38.701	3.2	90	0.00
89		Benzo(k)fluoranthene	40.000	38.060	4.8	88	0.00
90	C	Benzo(a)pyrene	40.000	38.538	3.7	89	-0.02
91		Dibenzo(a,h)anthracene	40.000	39.710	0.7	90	-0.01
92		Benzo(g,h,i)perylene	40.000	38.721	3.2	89	-0.02

Sample Results: **BP024737.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024737.D
Acq On : 21 May 2025 14:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 21 15:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 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

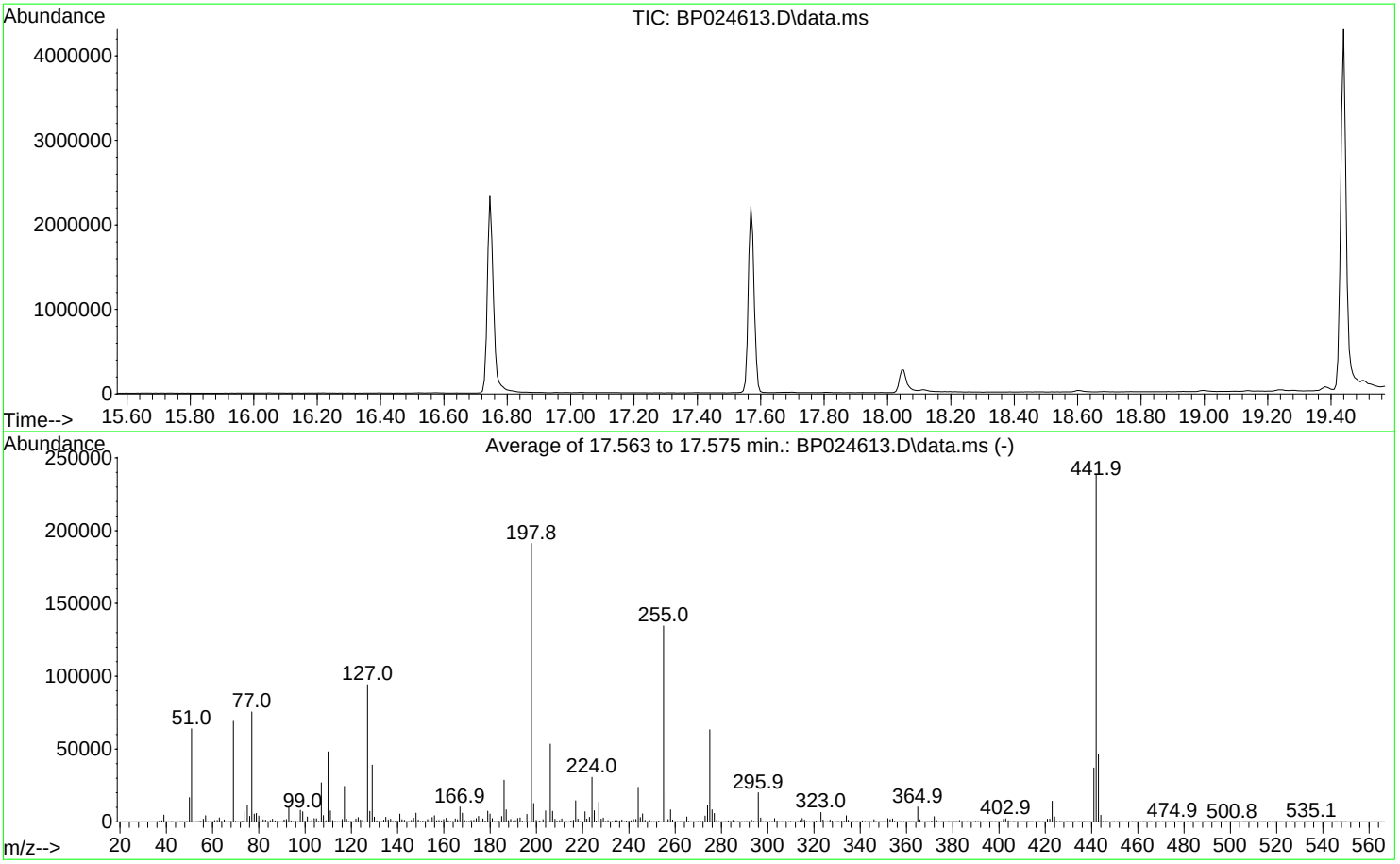
Sample Results: **BP024613.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



AutoFind: Scans 2461, 2462, 2463; Background Corrected with Scan 2449

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	63968	PASS
68	69	0.00	2	0.6	438	PASS
69	198	0.00	100	36.2	69152	PASS
70	69	0.00	2	0.6	419	PASS
127	198	10	80	49.3	94192	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	191223	PASS
199	198	5	9	6.6	12661	PASS
275	198	10	60	33.1	63293	PASS
365	198	1	100	5.4	10286	PASS
441	198	0.01	100	19.4	37080	PASS
442	442	100	100	100.0	238569	PASS
443	442	15	24	19.4	46397	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/13/2025	BNA_P	BP024613.D
Compound Name	**Response**	**Retention Time**
DDT	750509	20.716
DDD	13774	20.269
DDE	1248	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
15022	765531	1.96

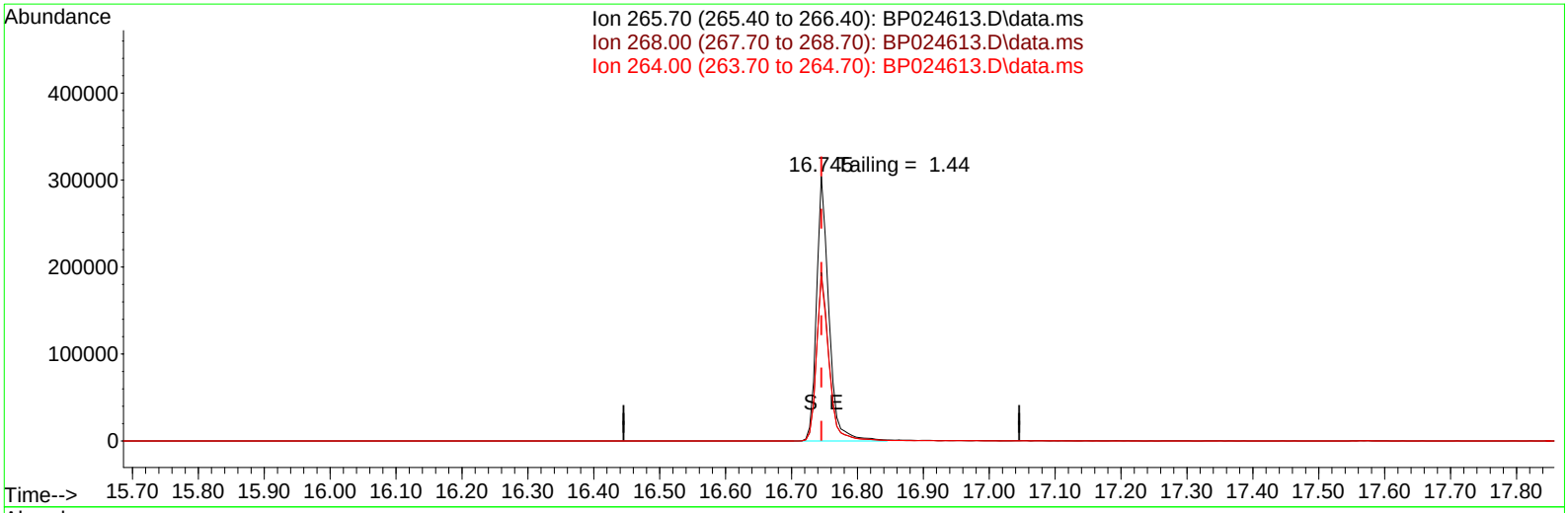
Instrument :
BNA_P
ClientSampleId :
DFTPP

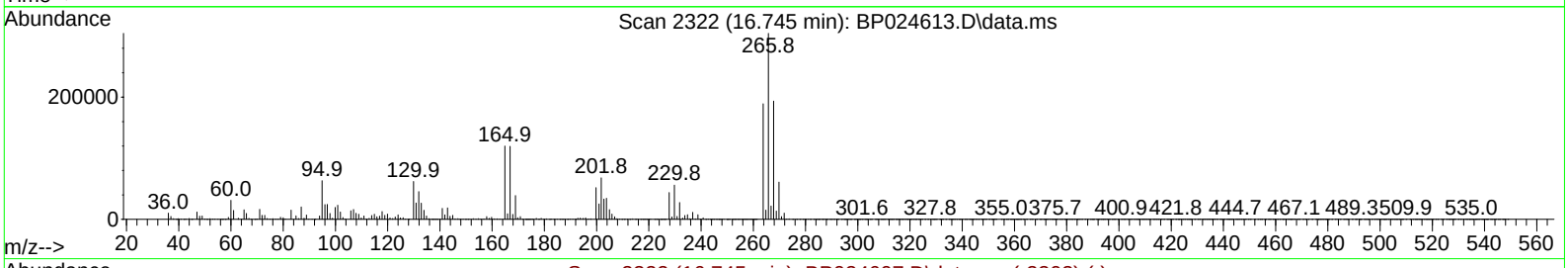
Sample Results: **BP024613.D**

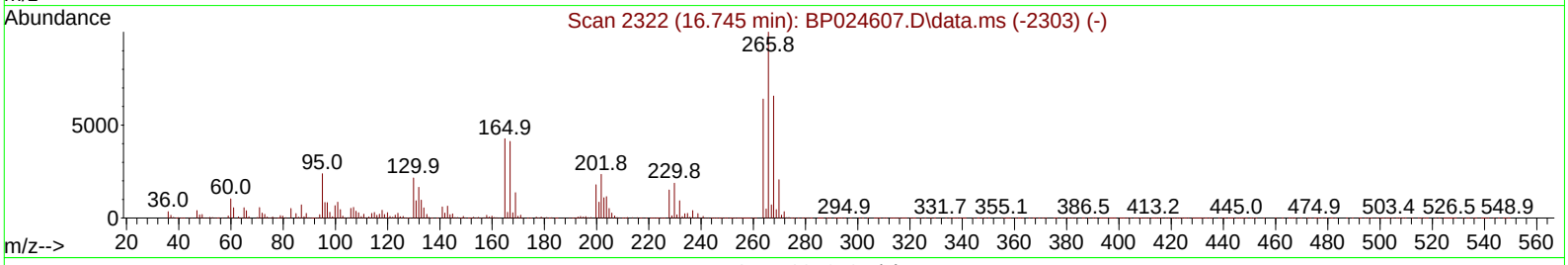
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(70) Pentachlorophenol (C)

16.745min (-0.000) 42670.46 ng

response 398426

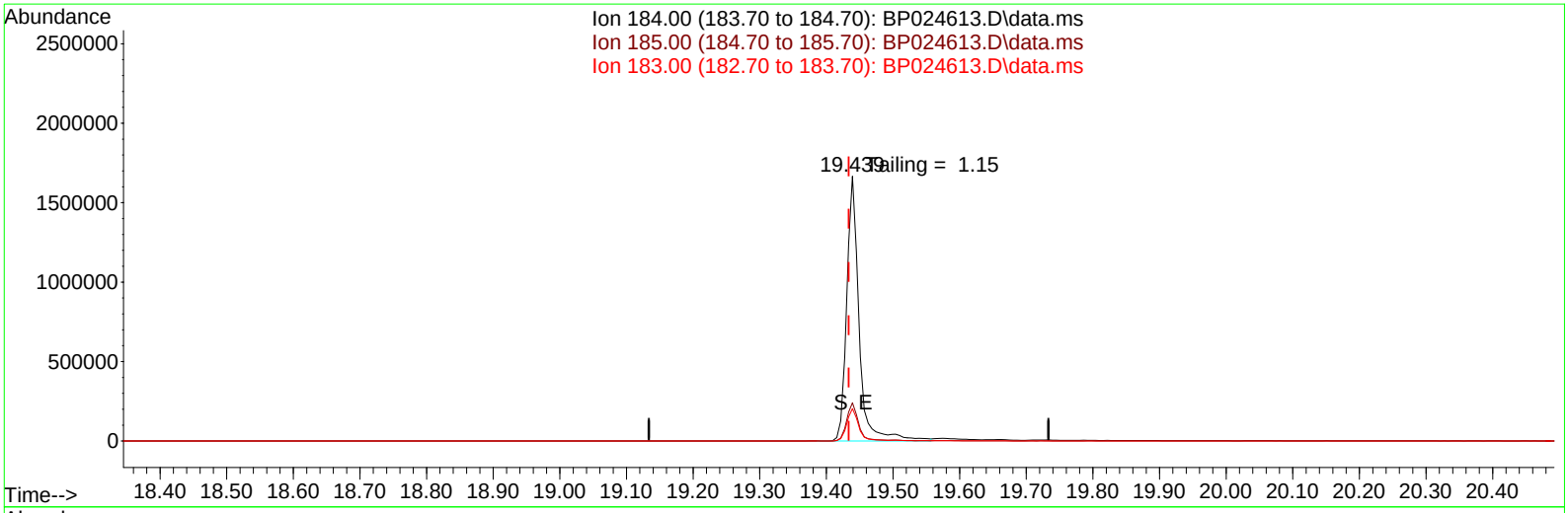
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.60	63.59
264.00	64.00	62.12
0.00	0.00	0.00

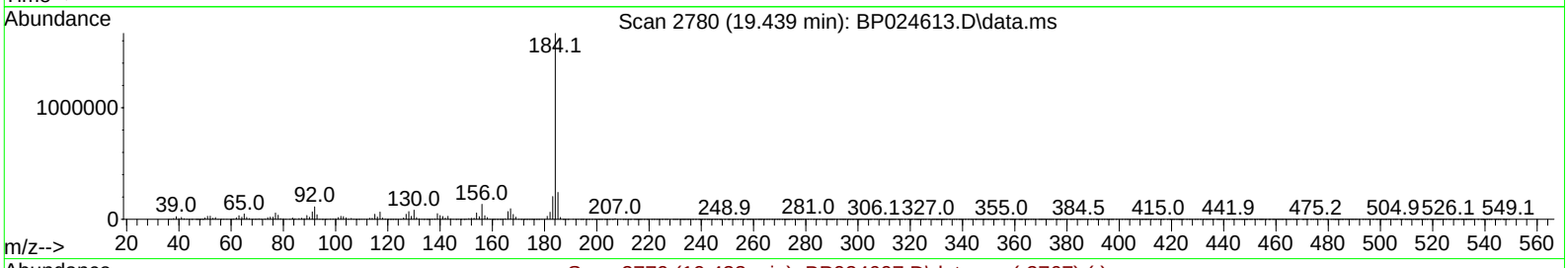
Sample Results: **BP024613.D**

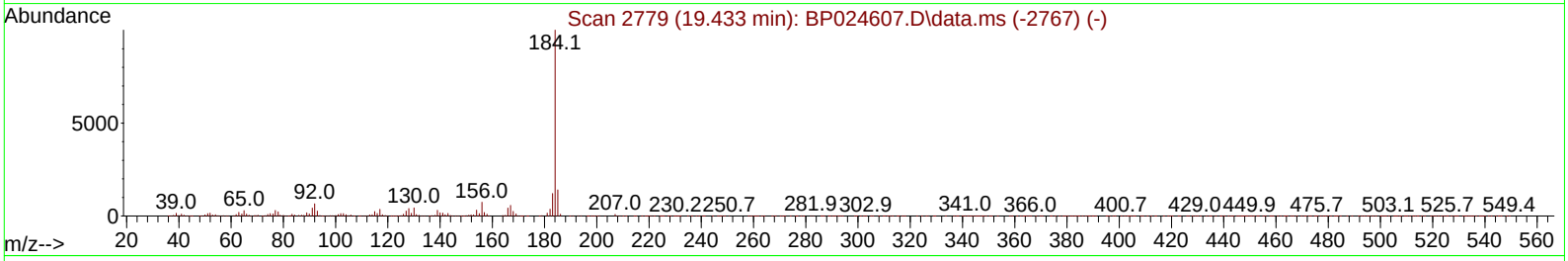
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051325\
Data File : BP024613.D
Acq On : 13 May 2025 10:00
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 13 12:28:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 12:28:24 2025
Response via : Initial Calibration







TIC: BP024613.D\data.ms

(77) Benzidine

19.439min (+ 0.006) 5637.89 ng

response 2074486

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.46
183.00	12.10	12.23
0.00	0.00	0.00

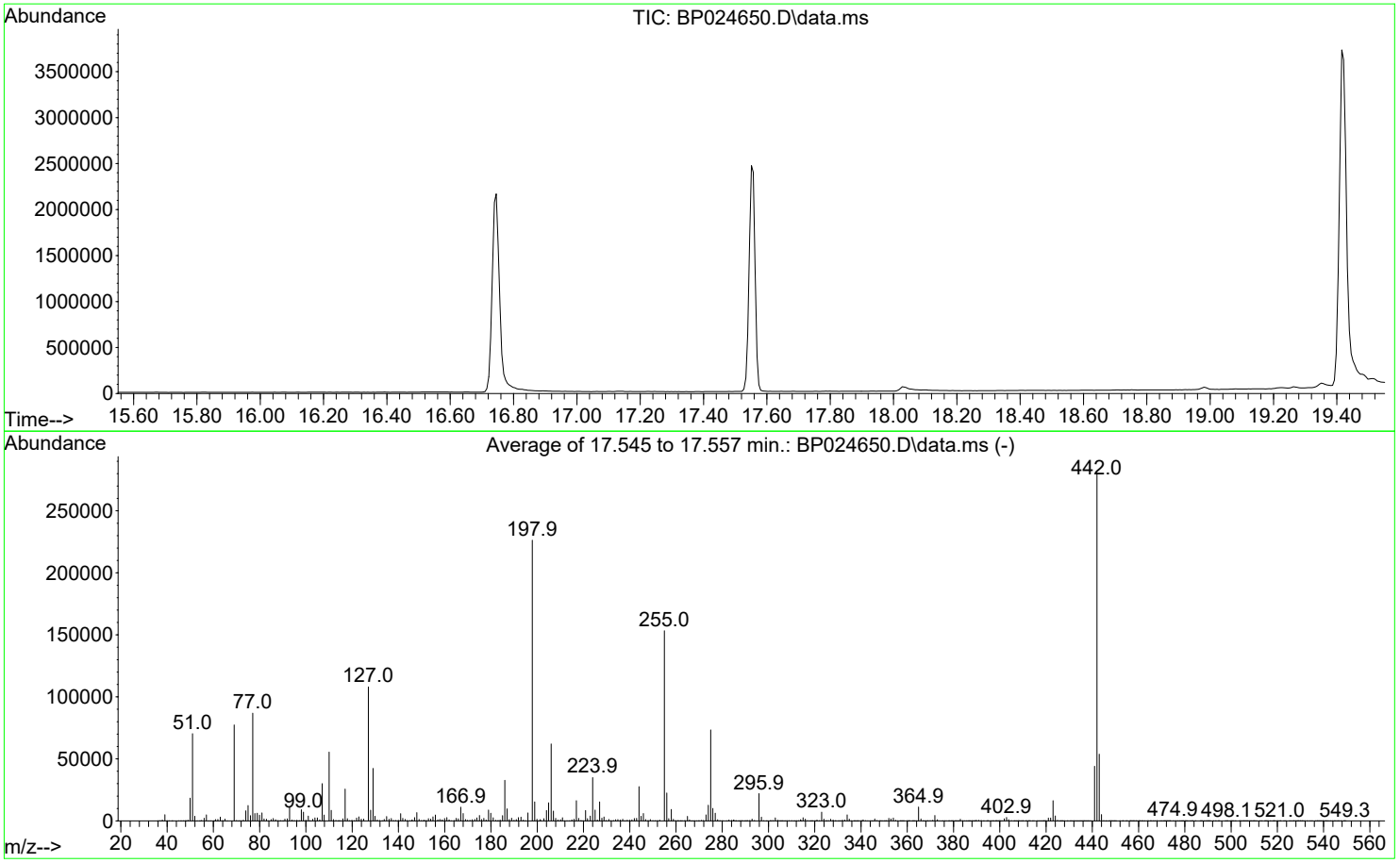
Sample Results: **BP024650.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024650.D
Acq On : 16 May 2025 10:09
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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



AutoFind: Scans 2458, 2459, 2460; Background Corrected with Scan 2451

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.1	70396	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	34.2	77409	PASS
70	69	0.00	2	0.5	369	PASS
127	198	10	80	47.7	108031	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	226304	PASS
199	198	5	9	6.8	15346	PASS
275	198	10	60	32.4	73333	PASS
365	198	1	100	5.0	11247	PASS
441	198	0.01	100	19.5	44040	PASS
442	442	100	100	100.0	279744	PASS
443	442	15	24	19.2	53844	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/16/2025	BNA_P	BP024650.D
Compound Name	**Response**	**Retention Time**
DDT	891212	20.704
DDD	17896	20.251
DDE	477	19.804
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18373	909585	2.02

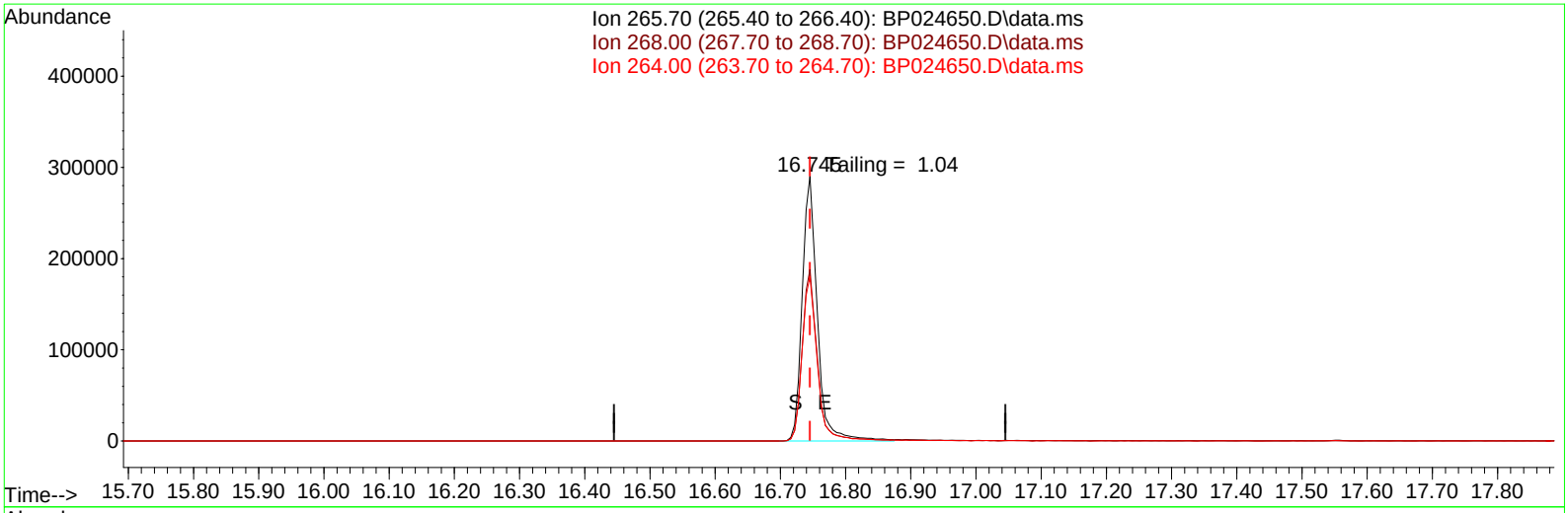
Instrument :
BNA_P
ClientSampleId :
DFTPP

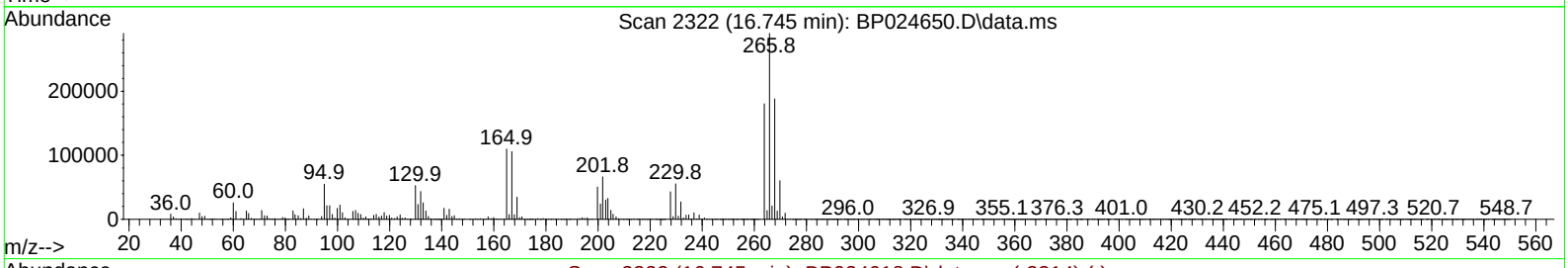
Sample Results: **BP024650.D**

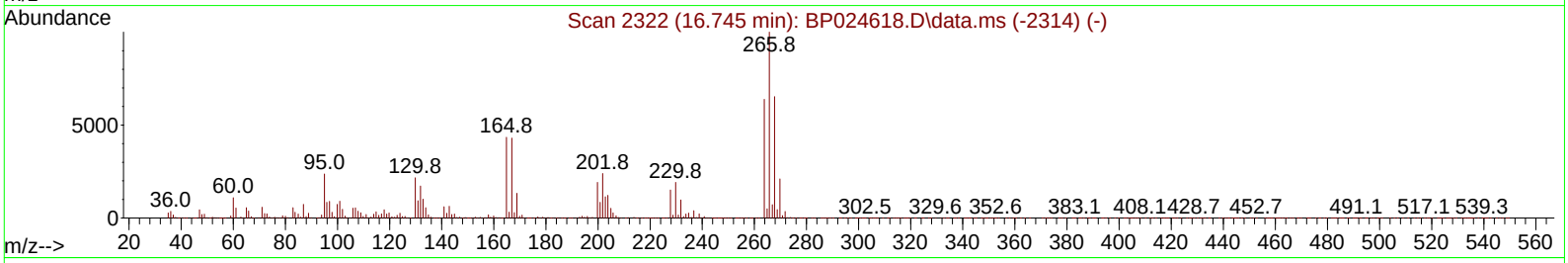
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024650.D
Acq On : 16 May 2025 10:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 16 11:41:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024650.D\data.ms

(70) Pentachlorophenol (C)

16.745min (+ 0.000) 55883.60 ng

response 469236

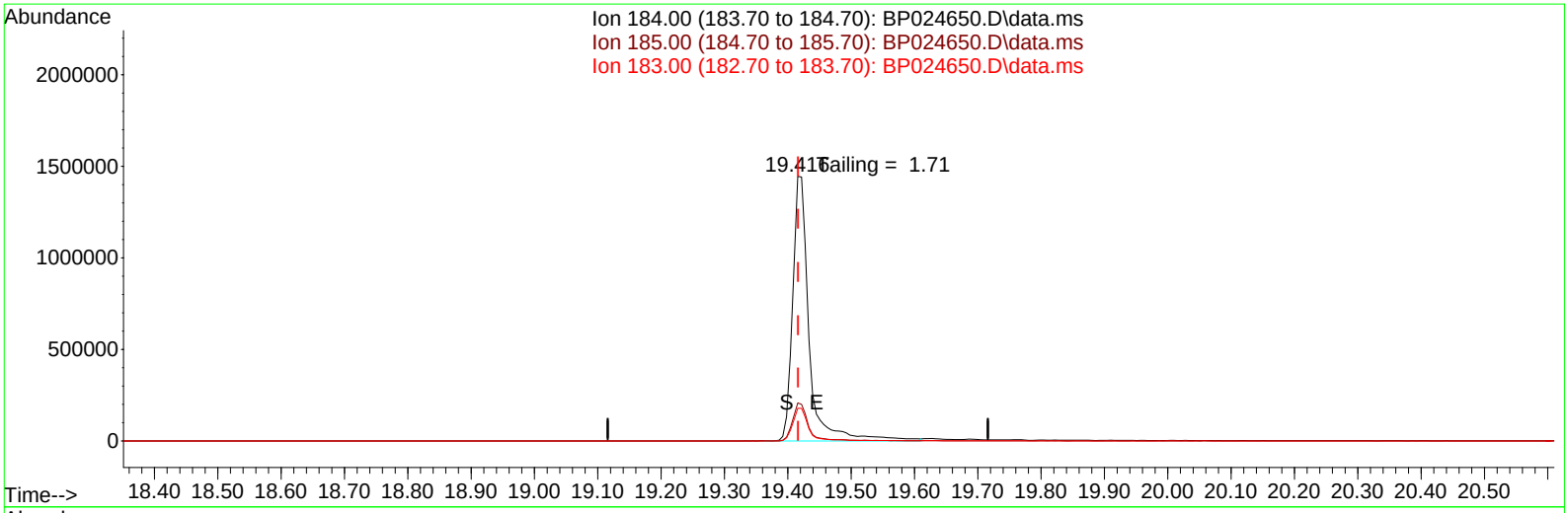
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	64.79
264.00	63.90	62.17
0.00	0.00	0.00

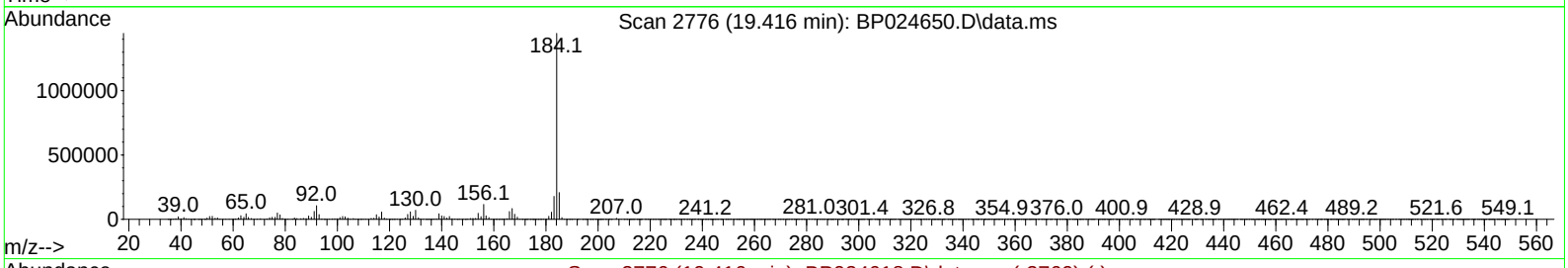
Sample Results: **BP024650.D**

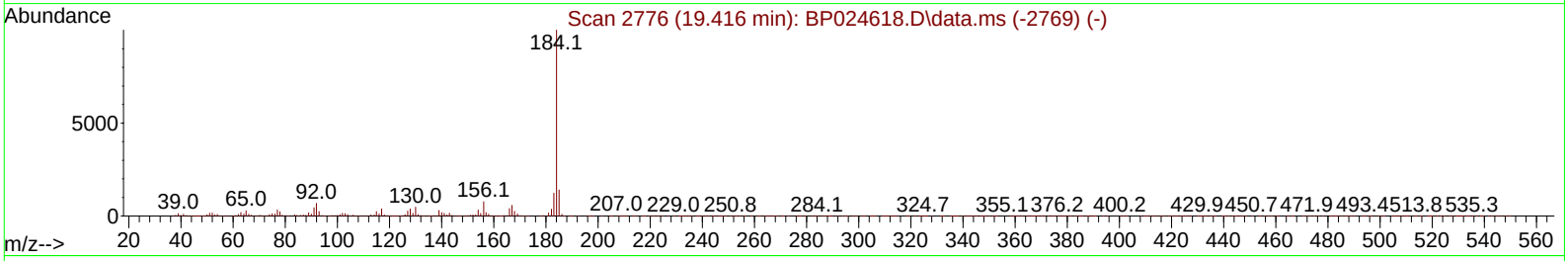
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024650.D
Acq On : 16 May 2025 10:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 16 11:41:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024650.D\data.ms

(77) Benzidine

19.416min (-0.000) 43939.06 ng

response 2620821

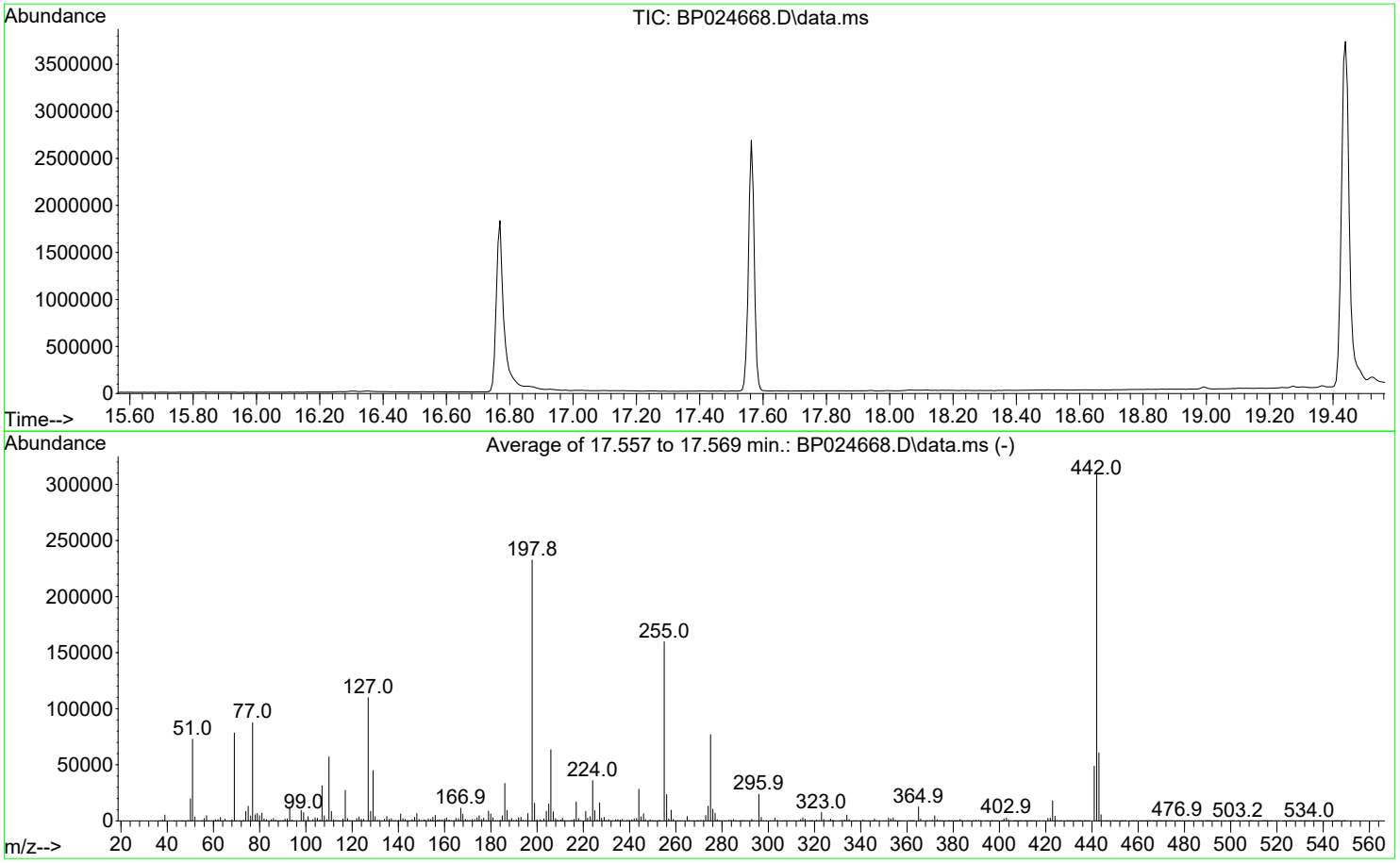
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	14.40
183.00	12.30	12.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024668.D
Acq On : 16 May 2025 22:25
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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



AutoFind: Scans 2460, 2461, 2462; Background Corrected with Scan 2450

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.3	72876	PASS
68	69	0.00	2	1.3	1020	PASS
69	198	0.00	100	33.8	78491	PASS
70	69	0.00	2	0.5	418	PASS
127	198	10	80	47.3	109917	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	232491	PASS
199	198	5	9	6.8	15755	PASS
275	198	10	60	33.1	77025	PASS
365	198	1	100	5.4	12518	PASS
441	198	0.01	100	21.0	48785	PASS
442	442	100	100	100.0	309333	PASS
443	442	15	24	19.6	60728	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/16/2025	BNA_P	BP024668.D
Compound Name	**Response**	**Retention Time**
DDT	886992	20.722
DDD	45854	20.257
DDE	18409	19.728
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
64263	951255	6.76

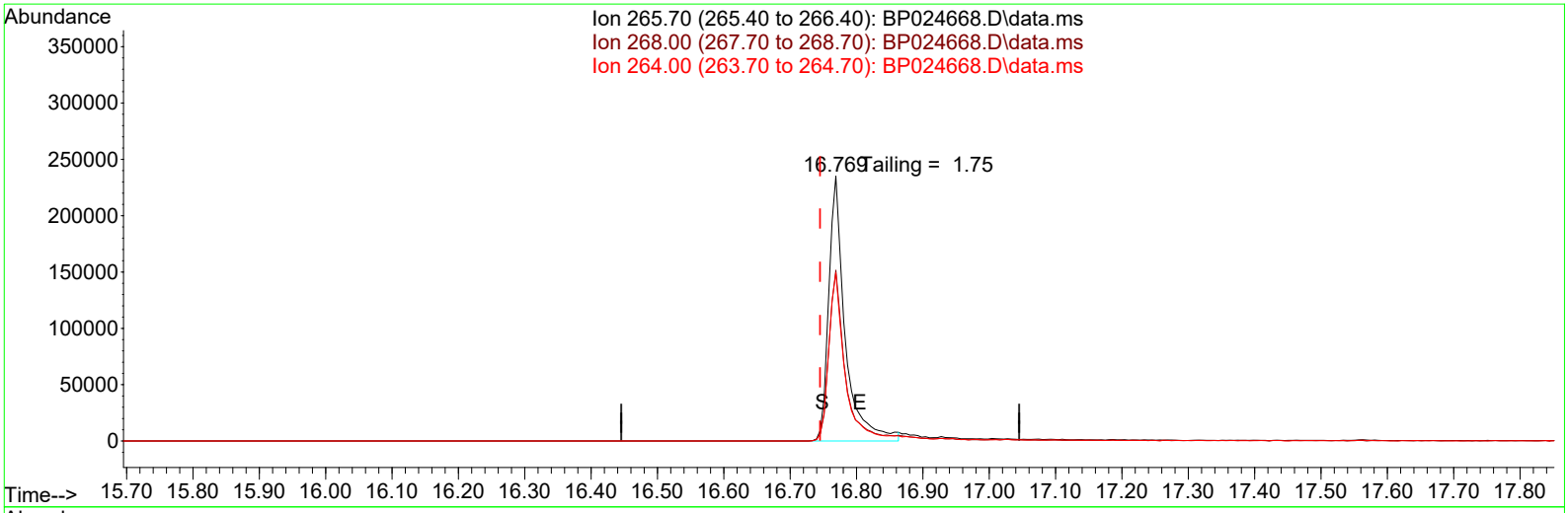
Instrument :
BNA_P
ClientSampleId :
DFTPP

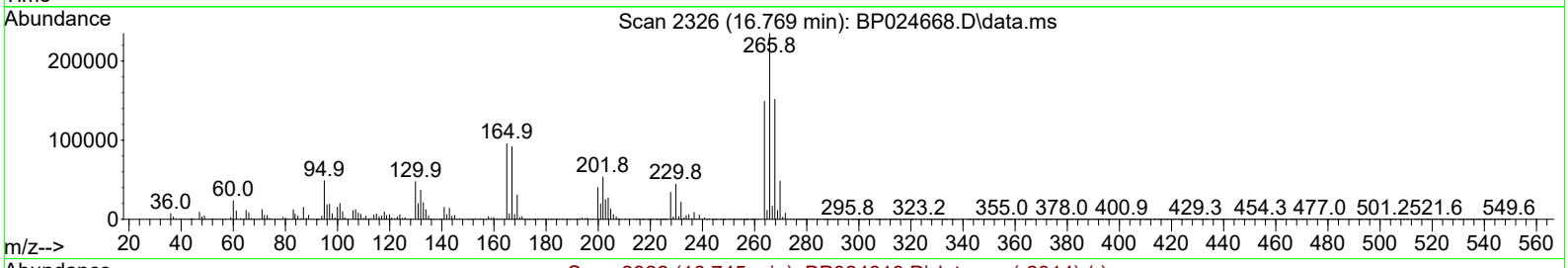
Sample Results: **BP024668.D**

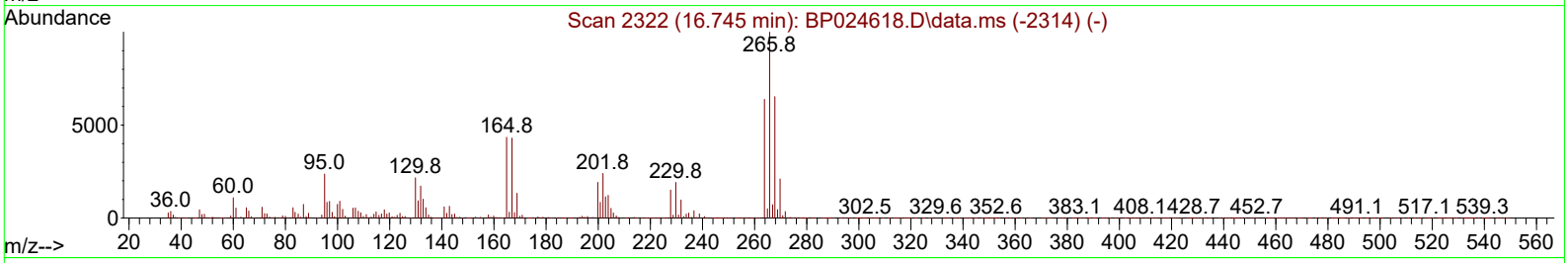
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024668.D
Acq On : 16 May 2025 22:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 19 06:36:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024668.D\data.ms

(70) Pentachlorophenol (C)

16.769min (+ 0.024) 376790.59 ng

response 399036

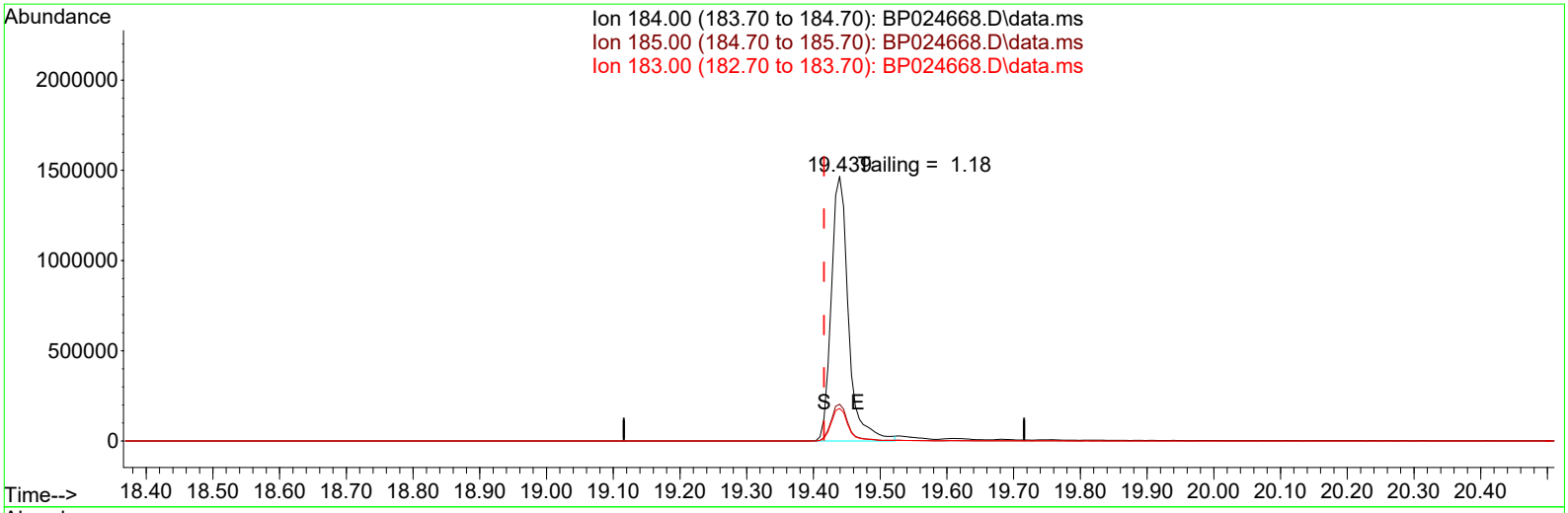
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	64.52
264.00	63.90	63.48
0.00	0.00	0.00

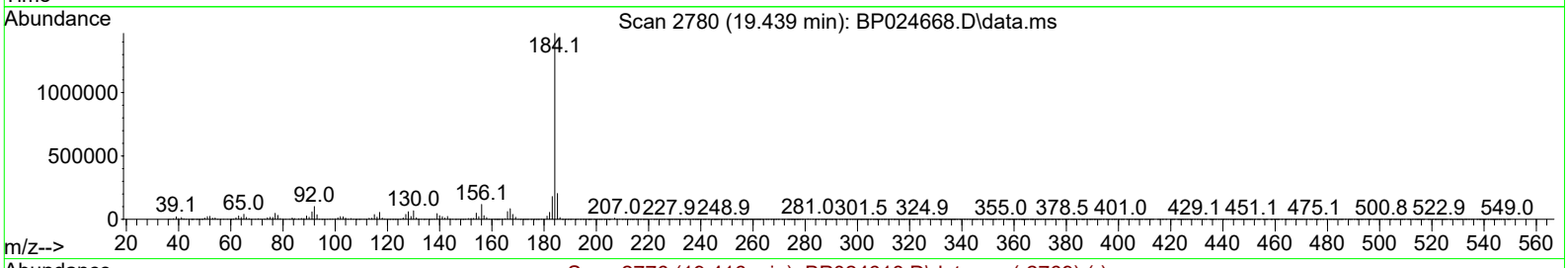
Sample Results: **BP024668.D**

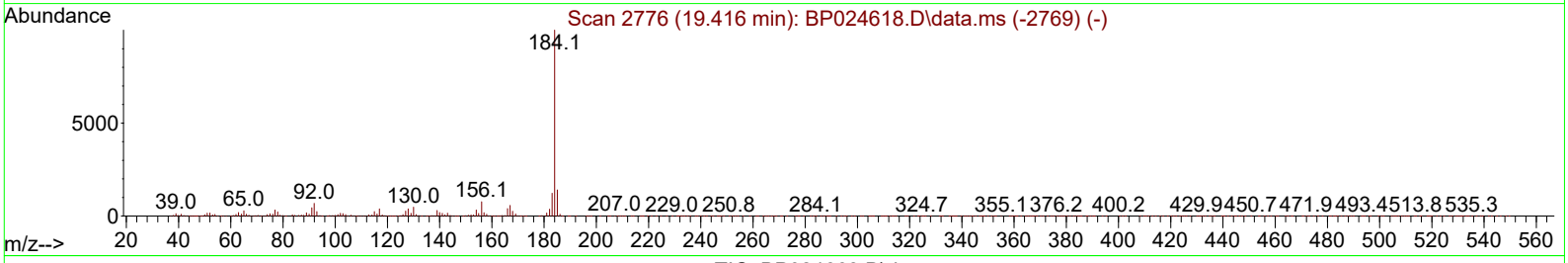
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024668.D
Acq On : 16 May 2025 22:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 19 06:36:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024668.D\data.ms

(77) Benzidine

19.439min (+ 0.023) 577599.08 ng

response 2611422

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.90
183.00	12.30	12.30
0.00	0.00	0.00

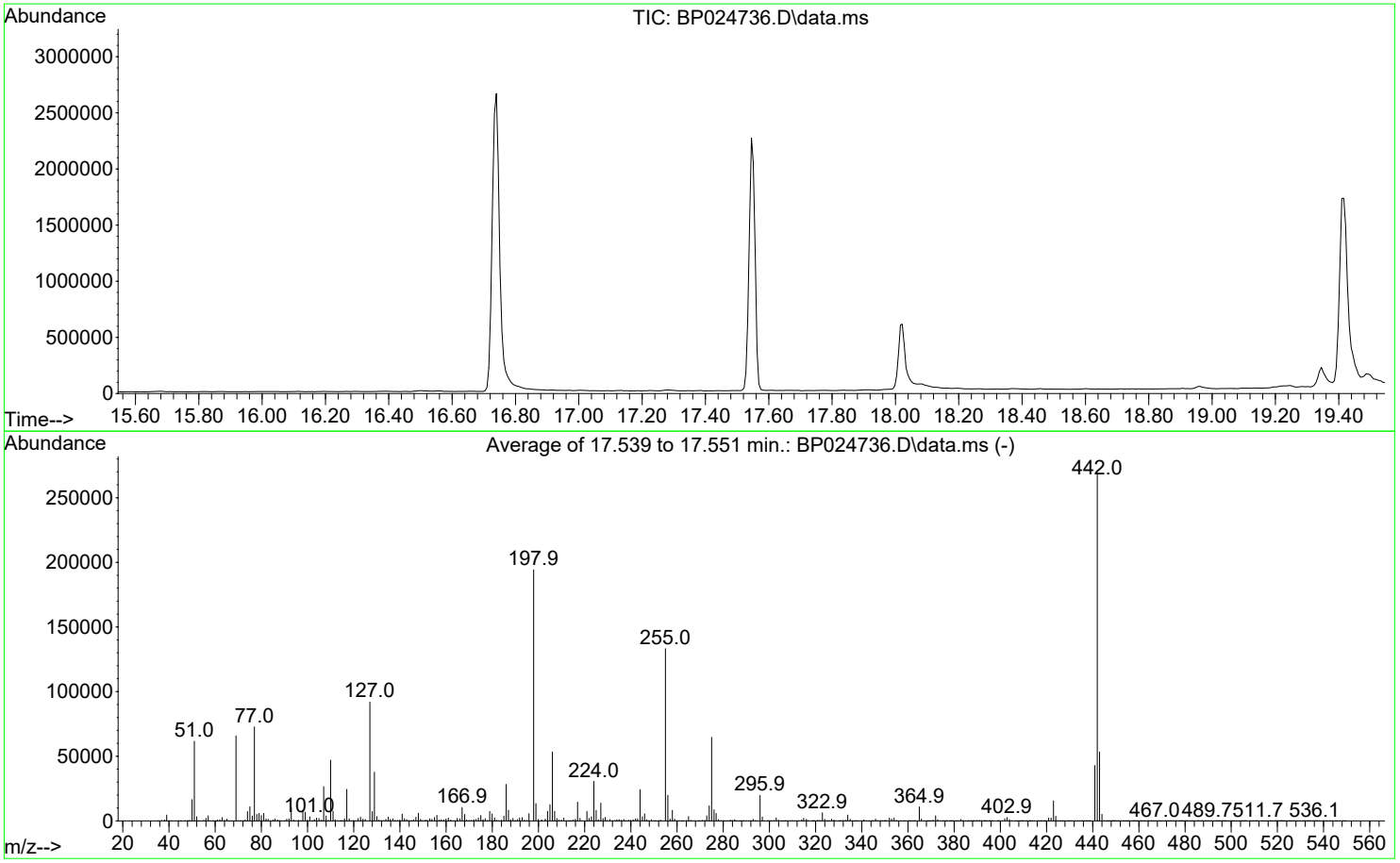
Sample Results: **BP024736.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024736.D
Acq On : 21 May 2025 12:54
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-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025



AutoFind: Scans 2457, 2458, 2459; Background Corrected with Scan 2442

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	31.7	61657	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	33.9	65818	PASS
70	69	0.00	2	0.4	274	PASS
127	198	10	80	47.3	91936	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	194292	PASS
199	198	5	9	6.9	13462	PASS
275	198	10	60	33.3	64736	PASS
365	198	1	100	5.6	10847	PASS
441	198	0.01	100	22.0	42816	PASS
442	442	100	100	100.0	268409	PASS
443	442	15	24	19.9	53388	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/21/2025	BNA_P	BP024736.D
Compound Name	**Response**	**Retention Time**
DDT	699525	20.692
DDD	23692	20.239
DDE	2282	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25974	725499	3.58

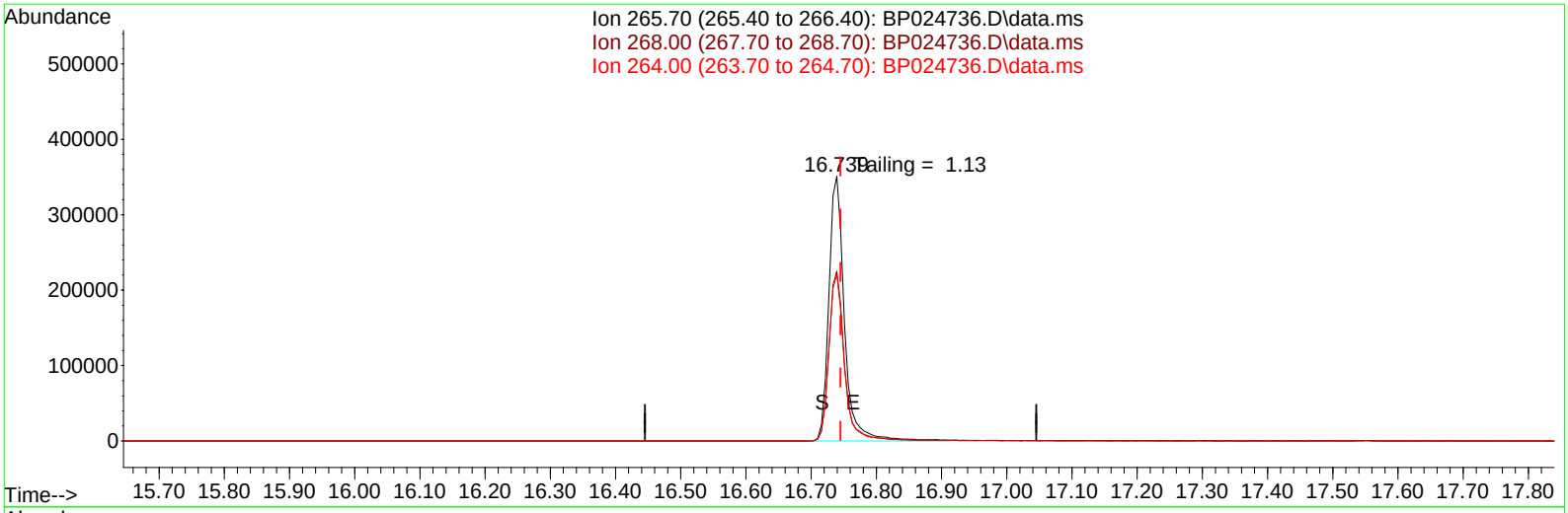
Instrument :
BNA_P
ClientSampleId :
DFTPP

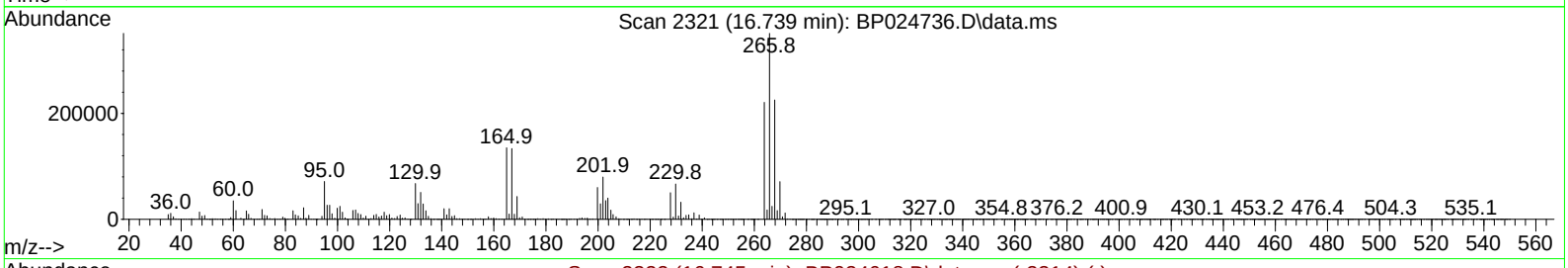
Sample Results: **BP024736.D**

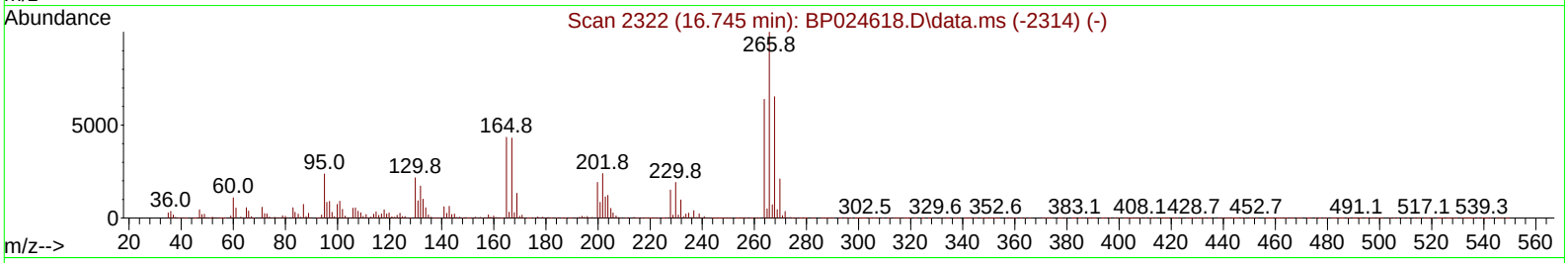
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024736.D
Acq On : 21 May 2025 12:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 21 13:50:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024736.D\data.ms

(70) Pentachlorophenol (C)

16.739min (-0.006) 2229164.54 ng

response 580825

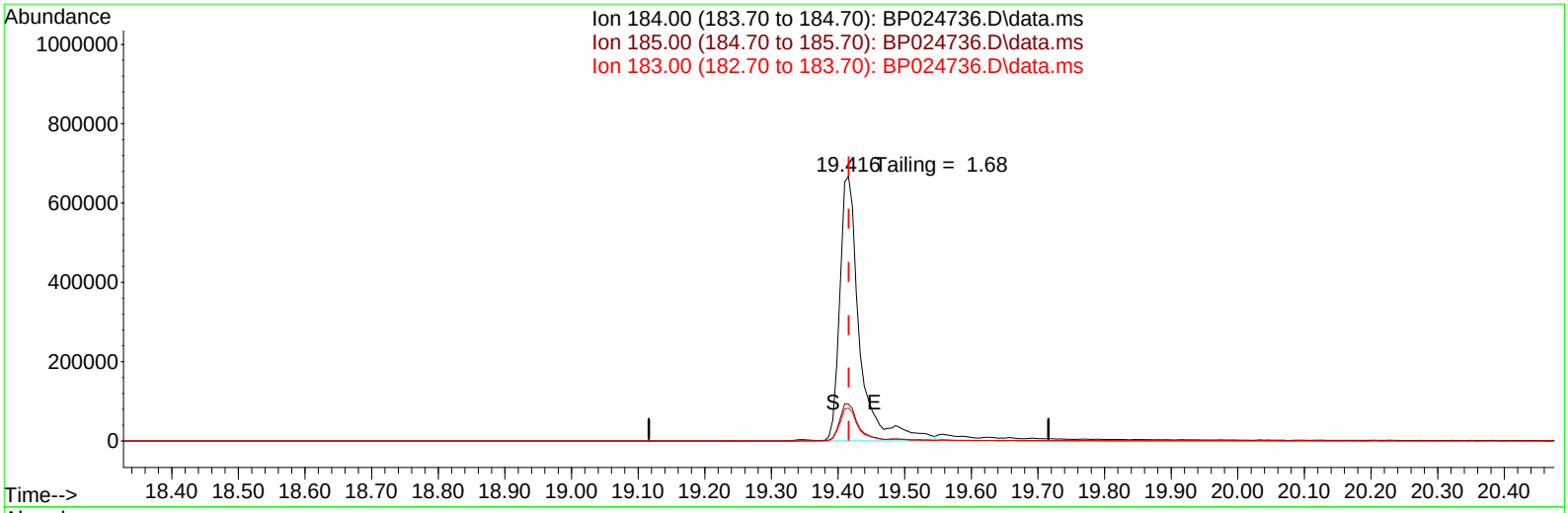
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	65.30	64.16
264.00	63.90	62.88
0.00	0.00	0.00

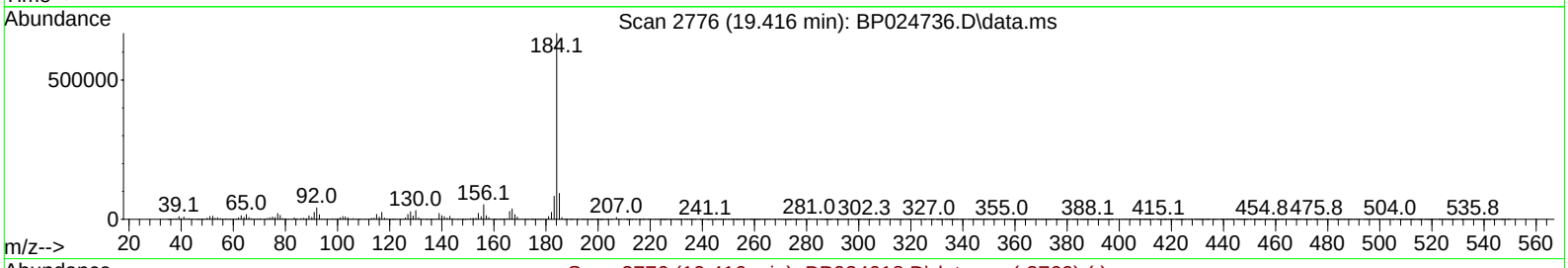
Sample Results: **BP024736.D**

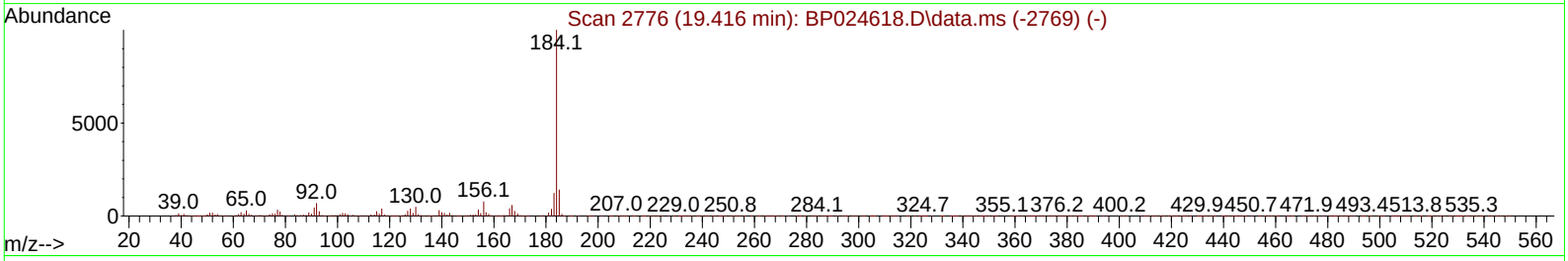
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024736.D
Acq On : 21 May 2025 12:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 21 13:50:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration







TIC: BP024736.D\data.ms

(77) Benzidine

19.416min (-0.000) 1103021.58 ng

response 1291799

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.00	13.97
183.00	12.30	12.45
0.00	0.00	0.00

Raw Data: **BP024652.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168026BL	SDG No.:	Q2032
Lab Sample ID:	PB168026BL	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024652.D	1	05/15/25 12:00	05/16/25 11:30	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		10 - 139	88%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		49 - 133	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.4		52 - 132	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	78.6		48 - 125	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	7.663			
1146-65-2	Naphthalene-d8	553000	10.428			
15067-26-2	Acenaphthene-d10	321000	14.292			
1517-22-2	Phenanthrene-d10	614000	17.086			
1719-03-5	Chrysene-d12	714000	21.522			
1520-96-3	Perylene-d12	865000	24.81			

Raw Data: **BP024652.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168026BL			SDG No.:	Q2032
Lab Sample ID:	PB168026BL			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024652.D	1	05/15/25 12:00	05/16/25 11:30	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **BP024652.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024652.D
Acq On : 16 May 2025 11:30
Operator : RC/JU
Sample : PB168026BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Quant Time: May 16 11:50:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	146507	20.000	ng	0.00
21) Naphthalene-d8	10.428	136	552664	20.000	ng	0.00
39) Acenaphthene-d10	14.292	164	320573	20.000	ng	-0.01
64) Phenanthrene-d10	17.086	188	613837	20.000	ng	-0.01
76) Chrysene-d12	21.522	240	714296	20.000	ng	0.00
86) Perylene-d12	24.810	264	864537	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1128462	131.740	ng	0.00
7) Phenol-d6	6.852	99	1338849	122.467	ng	0.00
23) Nitrobenzene-d5	8.810	82	832662	76.125	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	673078	123.850	ng	0.00
45) 2-Fluorobiphenyl	12.898	172	1868282	76.353	ng	0.00
79) Terphenyl-d14	19.816	244	3274879	78.615	ng	0.00
Target Compounds						Qvalue

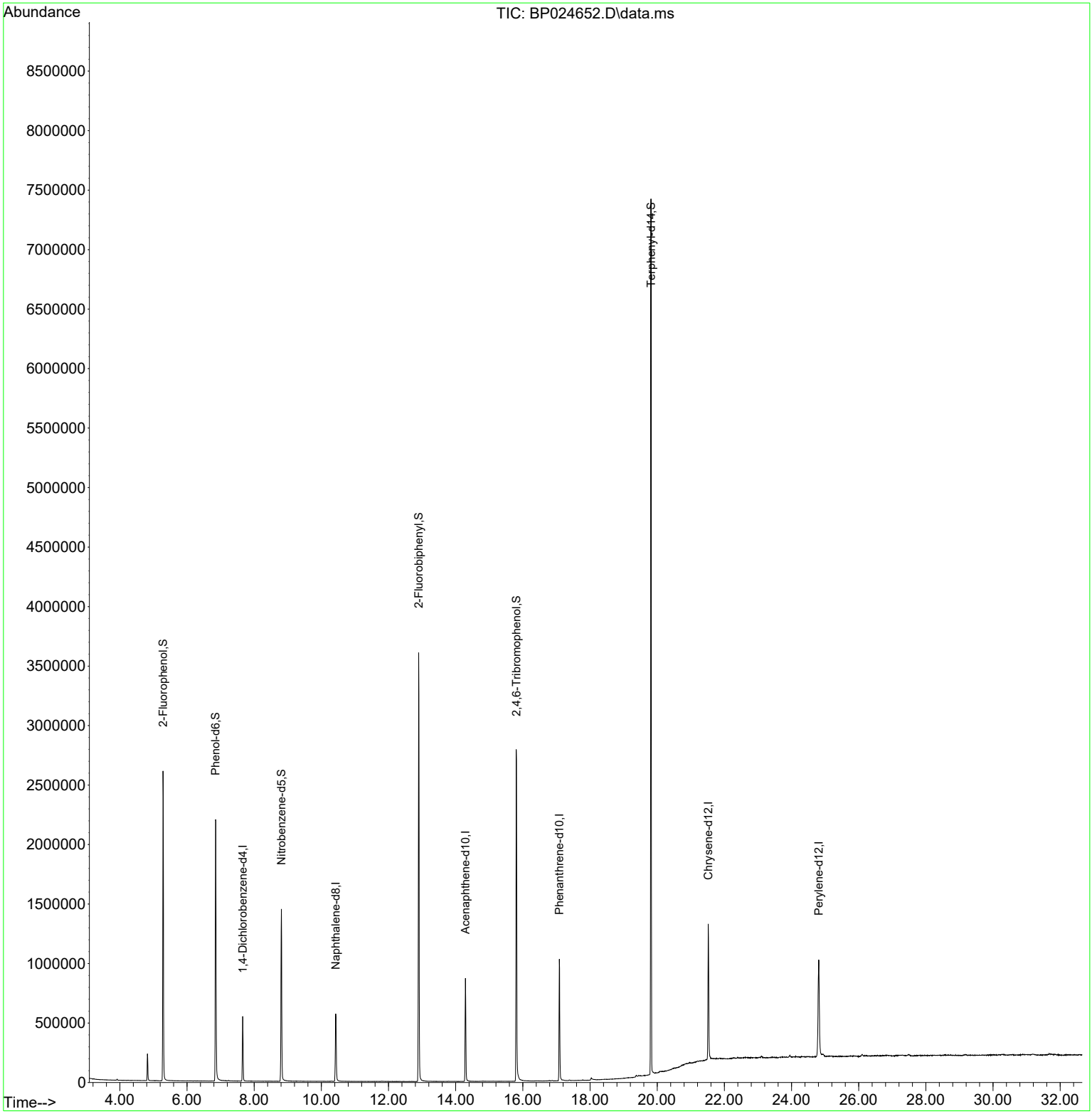
(#) = qualifier out of range (m) = manual integration (+) = signals summed

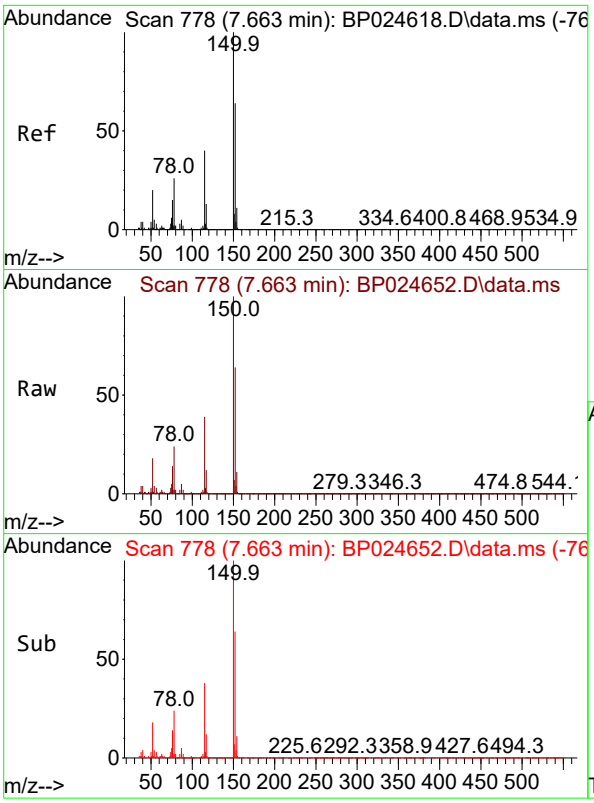
Sample Results: **BP024652.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024652.D
Acq On : 16 May 2025 11:30
Operator : RC/JU
Sample : PB168026BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Quant Time: May 16 11:50:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



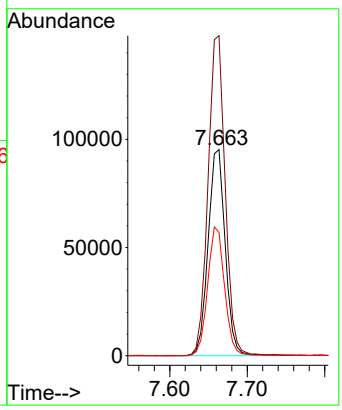


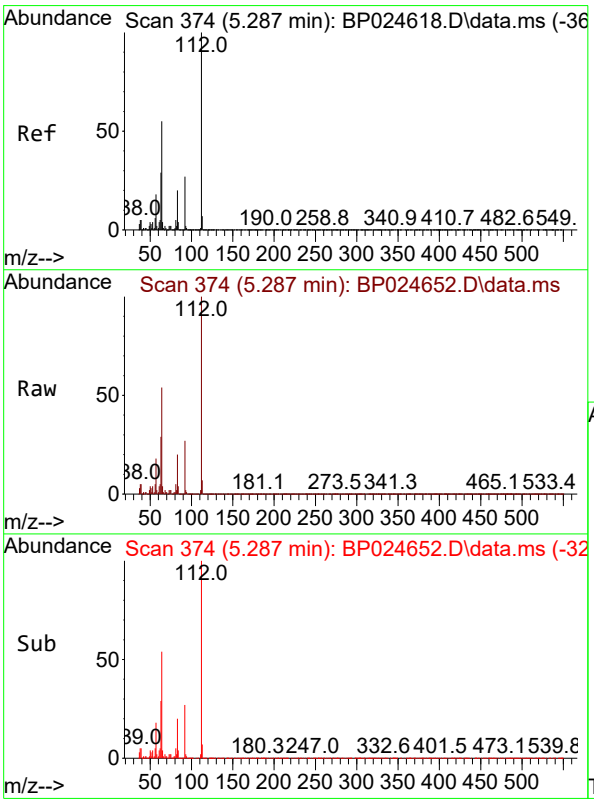
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.663 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion:152 Resp: 146507

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.9	188.9
115	59.8	50.1	75.1

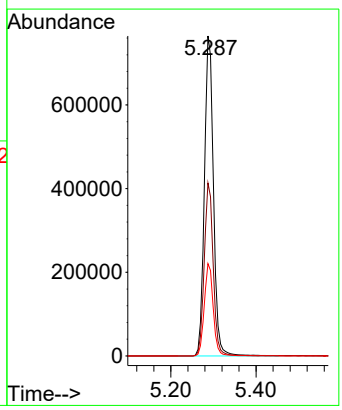


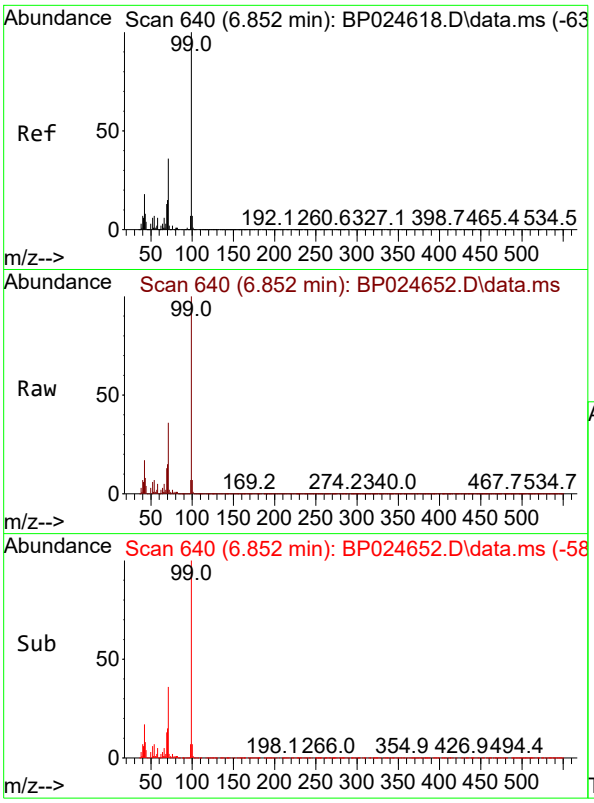


#5
2-Fluorophenol
Concen: 131.740 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:112 Resp: 1128462

Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.1	66.1
63	28.9	23.5	35.3



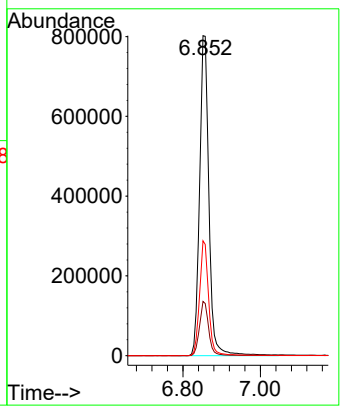


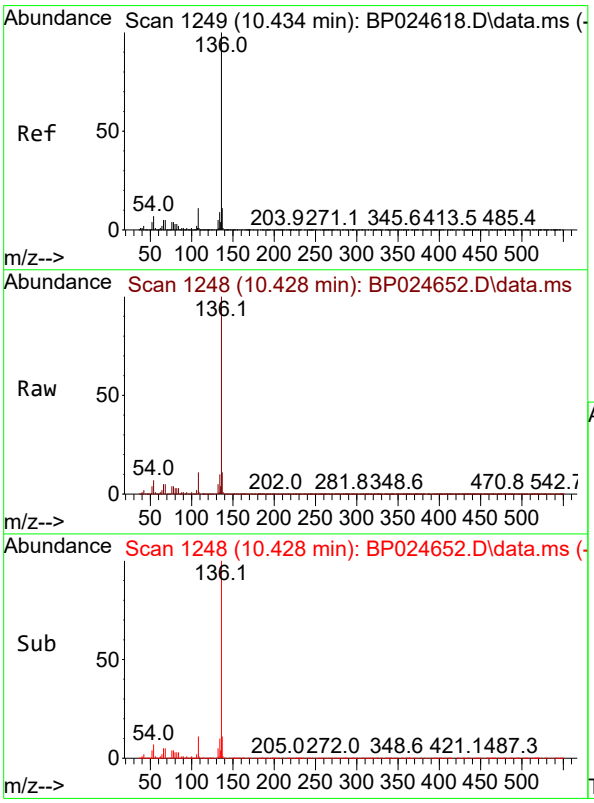
#7
Phenol-d6
Concen: 122.467 ng
RT: 6.852 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion: 99 Resp: 1338849

Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.4	21.6
71	35.9	29.2	43.8

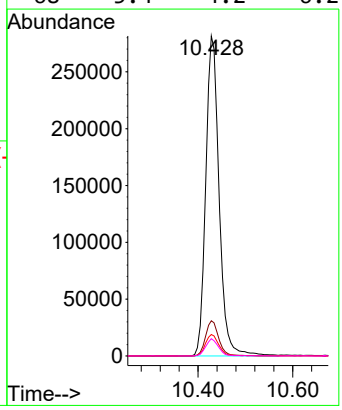


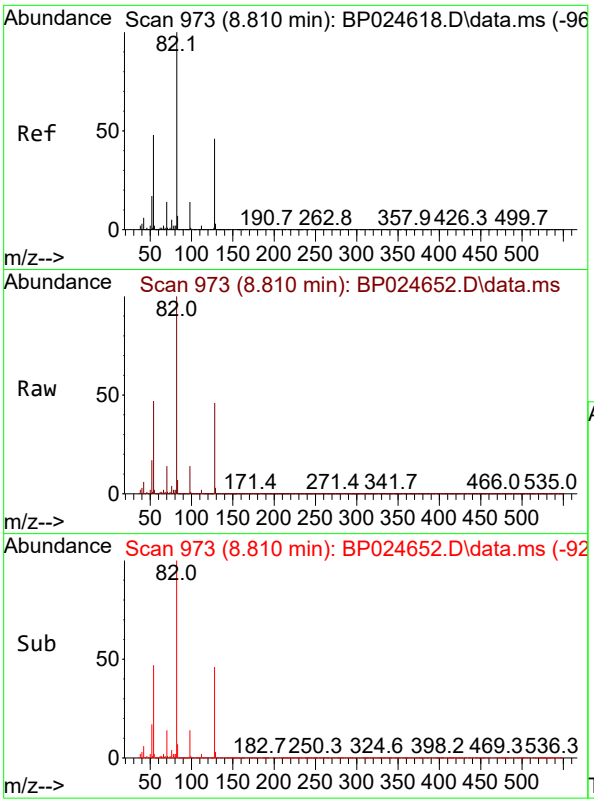


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:136 Resp: 552664

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.5	8.3
68	5.4	4.2	6.2



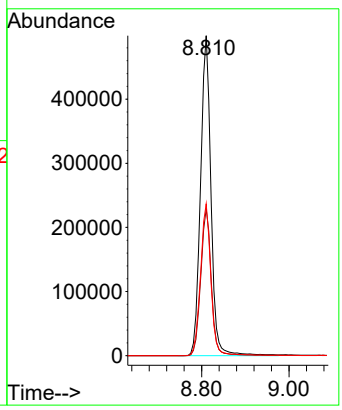


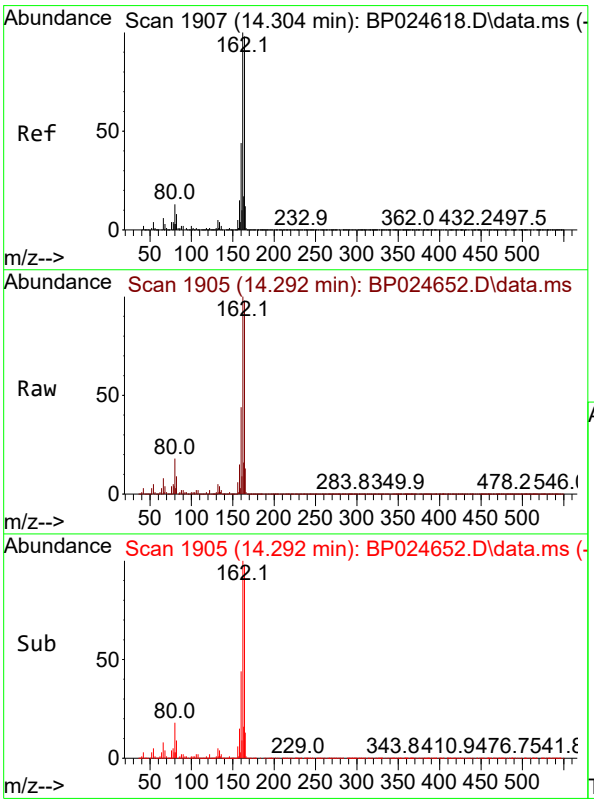
#23
Nitrobenzene-d5
Concen: 76.125 ng
RT: 8.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion: 82 Resp: 832662

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.0	55.4
54	47.5	38.7	58.1

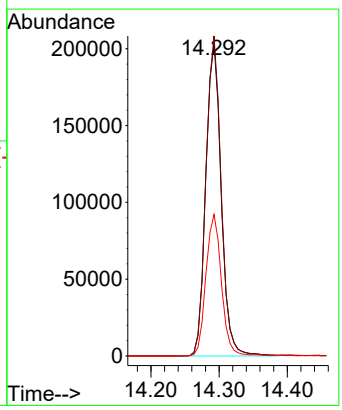


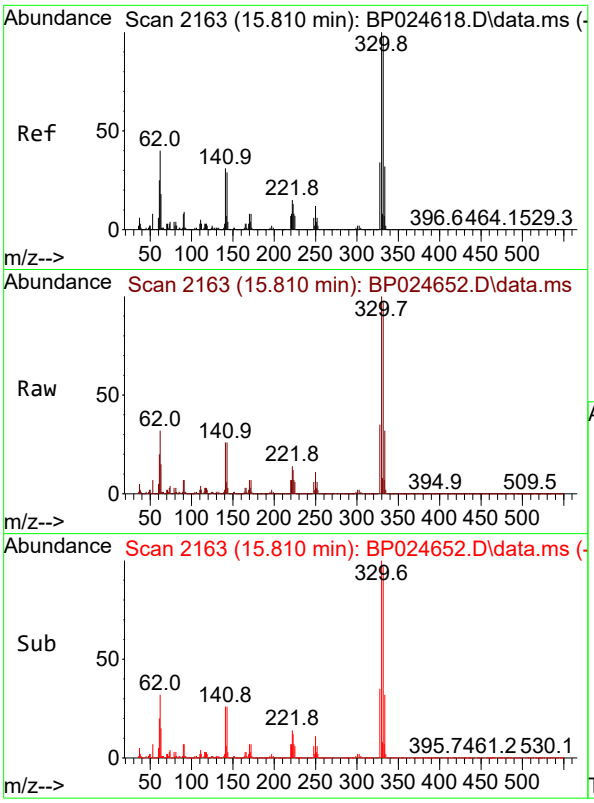


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.292 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:164 Resp: 320573

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.8	122.6
160	45.3	36.3	54.5



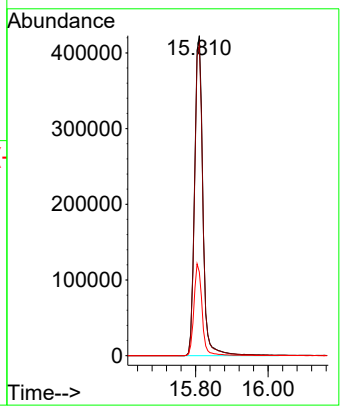


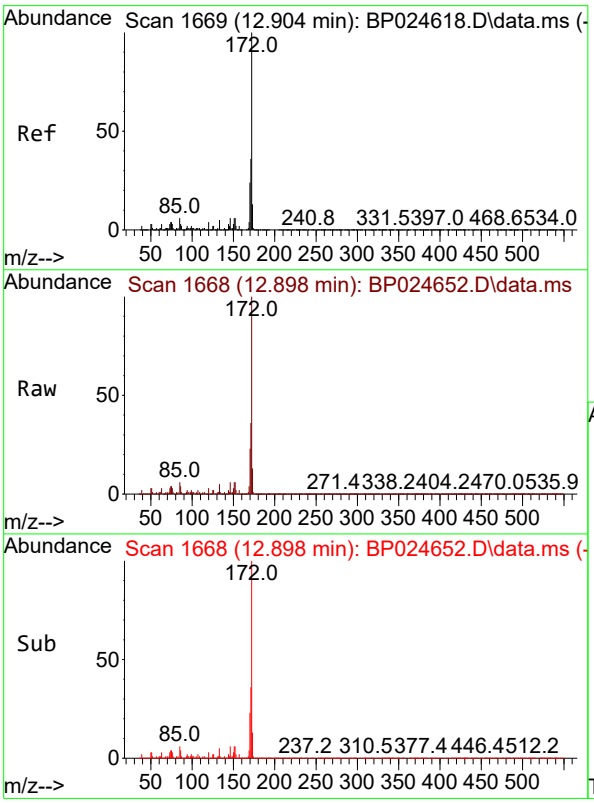
#42
2,4,6-Tribromophenol
Concen: 123.850 ng
RT: 15.810 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion:330 Resp: 673078

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.2	117.4
141	28.2	24.3	36.5

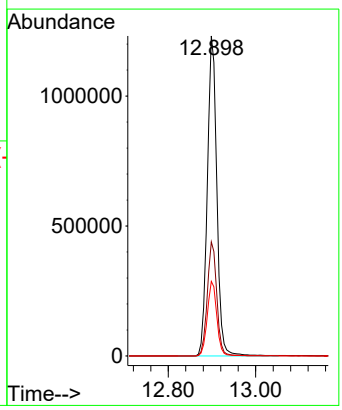


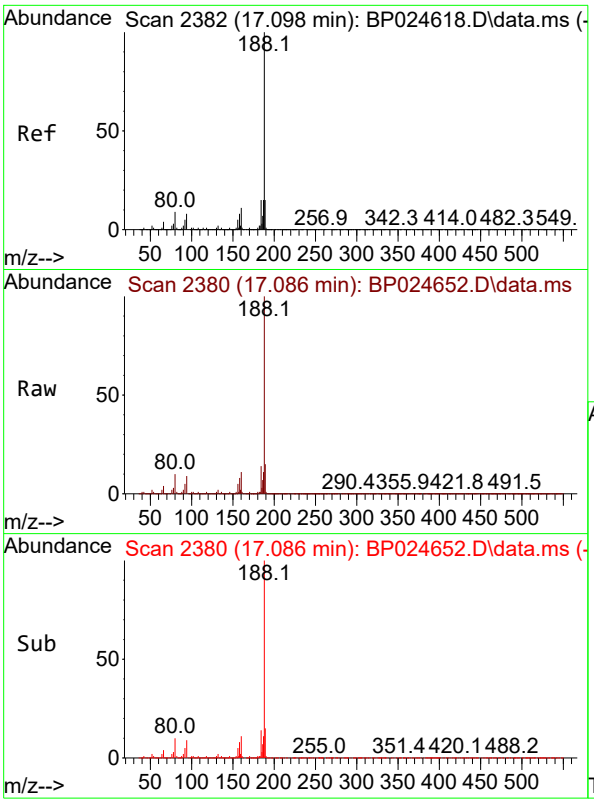


#45
2-Fluorobiphenyl
Concen: 76.353 ng
RT: 12.898 min Scan# 1668
Delta R.T. -0.006 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:172 Resp: 1868282

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	23.3	18.8	28.2



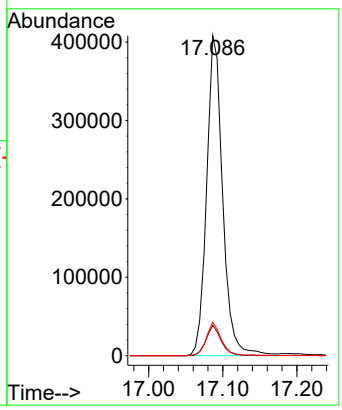


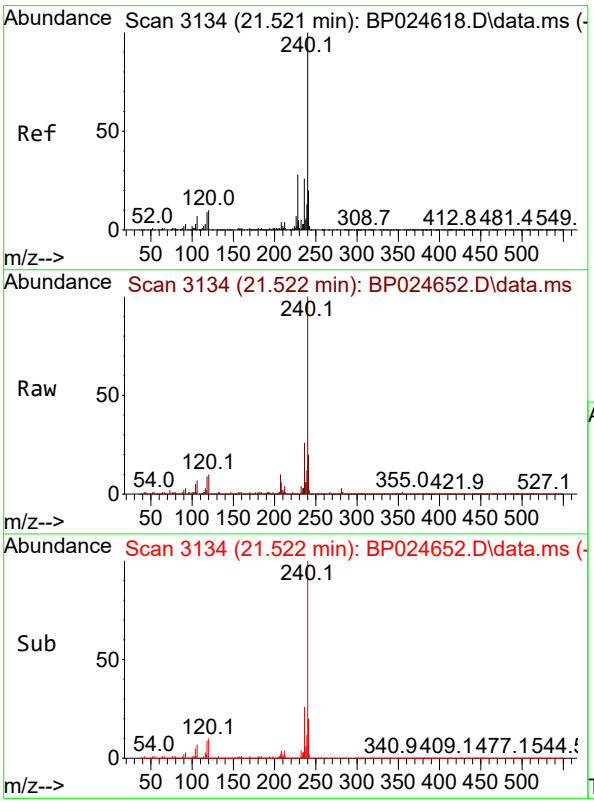
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion:188 Resp: 613837

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.5	9.7
80	10.4	7.3	10.9

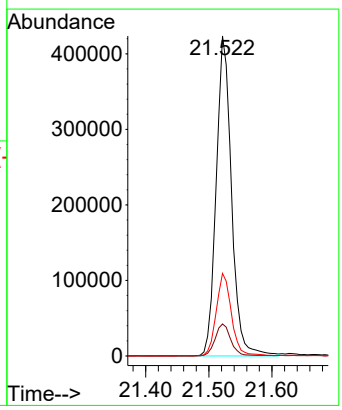


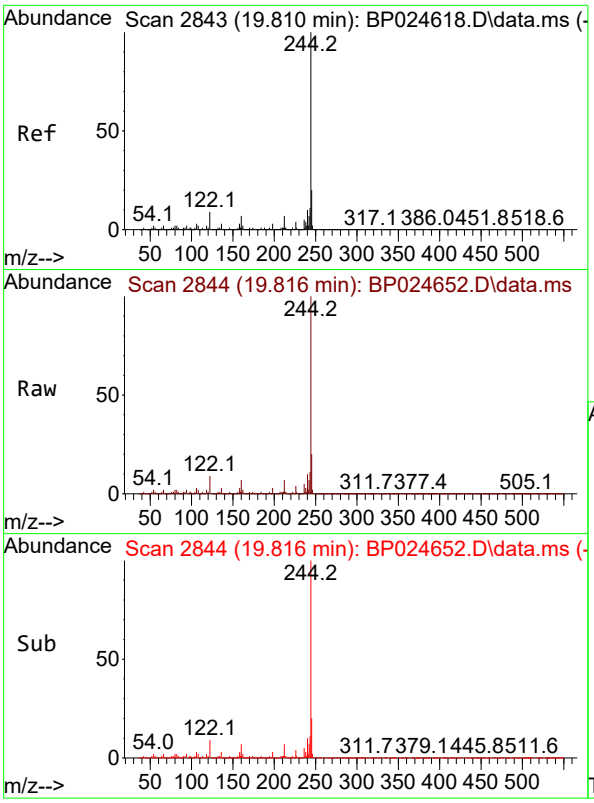


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:240 Resp: 714296

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.8	11.6
236	25.8	20.6	31.0



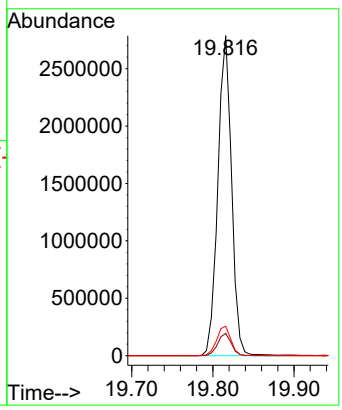


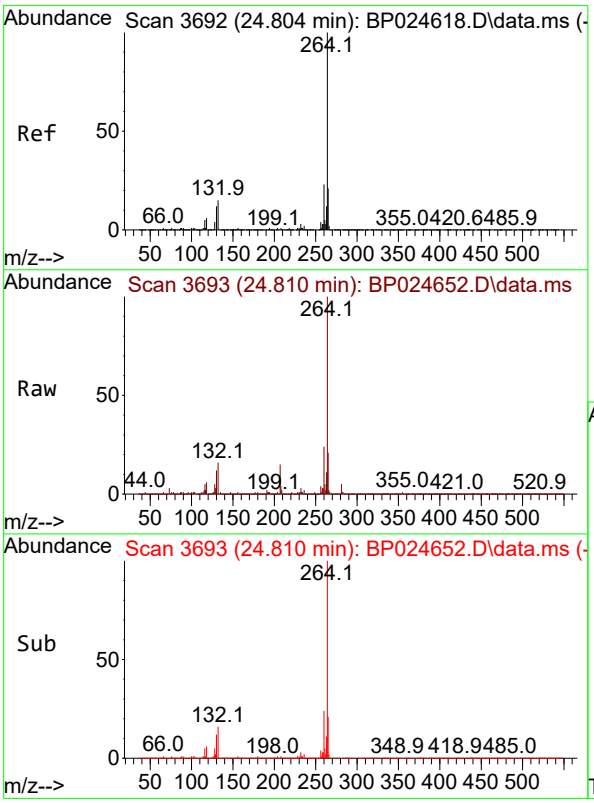
#79
Terphenyl-d14
Concen: 78.615 ng
RT: 19.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Instrument :
BNA_P
ClientSampleId :
PB168026BL

Tgt Ion:244 Resp: 3274879

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	9.2	7.4	11.0

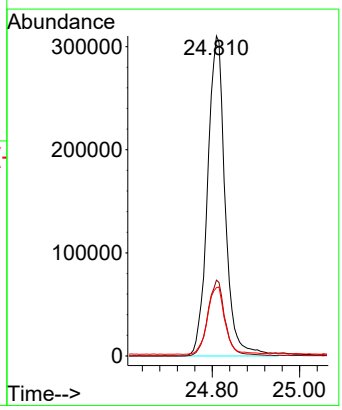




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.810 min Scan# 3693
Delta R.T. 0.006 min
Lab File: BP024652.D
Acq: 16 May 2025 11:30

Tgt Ion:264 Resp: 864537

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.4	17.0	25.6



Raw Data: **BP024740.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168026BS	SDG No.:	Q2032
Lab Sample ID:	PB168026BS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024740.D	1	05/15/25 12:00	05/21/25 16:50	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	34.6		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.8		0.53	5.00	ug/L
95-48-7	2-Methylphenol	40.2		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	39.6		1.10	10.0	ug/L
67-72-1	Hexachloroethane	39.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	39.0		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.3		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	48.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.2		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.4		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	46.4		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.3		49 - 133	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.9		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		44 - 137	93%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		48 - 125	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	7.652			
1146-65-2	Naphthalene-d8	512000	10.422			
15067-26-2	Acenaphthene-d10	321000	14.287			
1517-22-2	Phenanthrene-d10	622000	17.087			
1719-03-5	Chrysene-d12	698000	21.51			
1520-96-3	Perylene-d12	815000	24.792			

Raw Data: **BP024740.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	South River WM Replacement			Date Received:	
Client Sample ID:	PB168026BS			SDG No.:	Q2032
Lab Sample ID:	PB168026BS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024740.D	1	05/15/25 12:00	05/21/25 16:50	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP052125\
Data File : BP024740.D
Acq On : 21 May 2025 16:50
Operator : RC/JU
Sample : PB168026BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168026BS

Quant Time: May 21 17:15:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.652	152	134273	20.000	ng		-0.01
21) Naphthalene-d8	10.422	136	511993	20.000	ng		#-0.01
39) Acenaphthene-d10	14.287	164	321175	20.000	ng		-0.02
64) Phenanthrene-d10	17.087	188	621819	20.000	ng		-0.01
76) Chrysene-d12	21.510	240	697911	20.000	ng		-0.01
86) Perylene-d12	24.792	264	814994	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.287	112	997032	127.002	ng		0.00
7) Phenol-d6	6.858	99	1174468	117.219	ng		0.00
23) Nitrobenzene-d5	8.805	82	691895	68.280	ng		0.00
42) 2,4,6-Tribromophenol	15.816	330	763461	140.217	ng		0.00
45) 2-Fluorobiphenyl	12.899	172	1884479	76.871	ng		0.00
79) Terphenyl-d14	19.810	244	3225075	79.237	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.223	88	119788	32.495	ng		96
3) Pyridine	3.617	79	282831	34.601	ng		96
4) n-Nitrosodimethylamine	3.528	42	152644	42.300	ng		87
6) Aniline	6.993	93	299582	23.159	ng		99
8) 2-Chlorophenol	7.234	128	385008	43.201	ng		97
9) Benzaldehyde	6.811	77	216617	33.398	ng		96
10) Phenol	6.881	94	422075	40.815	ng		97
11) bis(2-Chloroethyl)ether	7.087	93	311637	36.674	ng		99
12) 1,3-Dichlorobenzene	7.540	146	424311	41.383	ng		99
13) 1,4-Dichlorobenzene	7.687	146	430888	41.783	ng		100
14) 1,2-Dichlorobenzene	7.999	146	418822	41.679	ng		99
15) Benzyl Alcohol	7.899	79	307840	40.431	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.169	45	367305	36.094	ng		98
17) 2-Methylphenol	8.111	107	298124	40.194	ng		98
18) Hexachloroethane	8.716	117	154247	39.032	ng		96
19) n-Nitroso-di-n-propyla...	8.452	70	241126	34.791	ng		98
20) 3+4-Methylphenols	8.440	107	399544	39.601	ng		95
22) Acetophenone	8.469	105	542814	42.443	ng	#	99
24) Nitrobenzene	8.846	77	347586	38.979	ng		91
25) Isophorone	9.363	82	633361	36.033	ng		95
26) 2-Nitrophenol	9.546	139	204890	46.890	ng		97
27) 2,4-Dimethylphenol	9.622	122	332675	43.182	ng		100
28) bis(2-Chloroethoxy)met...	9.840	93	396749	37.781	ng		99
29) 2,4-Dichlorophenol	10.093	162	343706	46.038	ng		95
30) 1,2,4-Trichlorobenzene	10.287	180	383169	45.545	ng		98
31) Naphthalene	10.469	128	1125833	42.433	ng		100
32) Benzoic acid	9.805	122	215411	41.383	ng		96
33) 4-Chloroaniline	10.599	127	183490	17.138	ng		97
34) Hexachlorobutadiene	10.752	225	257649	47.275	ng		97
35) Caprolactam	11.393	113	113495	42.018	ng		96
36) 4-Chloro-3-methylphenol	11.740	107	400250	43.963	ng		99
37) 2-Methylnaphthalene	12.087	142	736378	42.863	ng		99
38) 1-Methylnaphthalene	12.310	142	773569	42.083	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	435958	46.744	ng		99
41) Hexachlorocyclopentadiene	12.440	237	609389	107.755	ng		98
43) 2,4,6-Trichlorophenol	12.710	196	292734	48.459	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024740.D
Acq On : 21 May 2025 16:50
Operator : RC/JU
Sample : PB168026BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168026BS

Quant Time: May 21 17:15:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

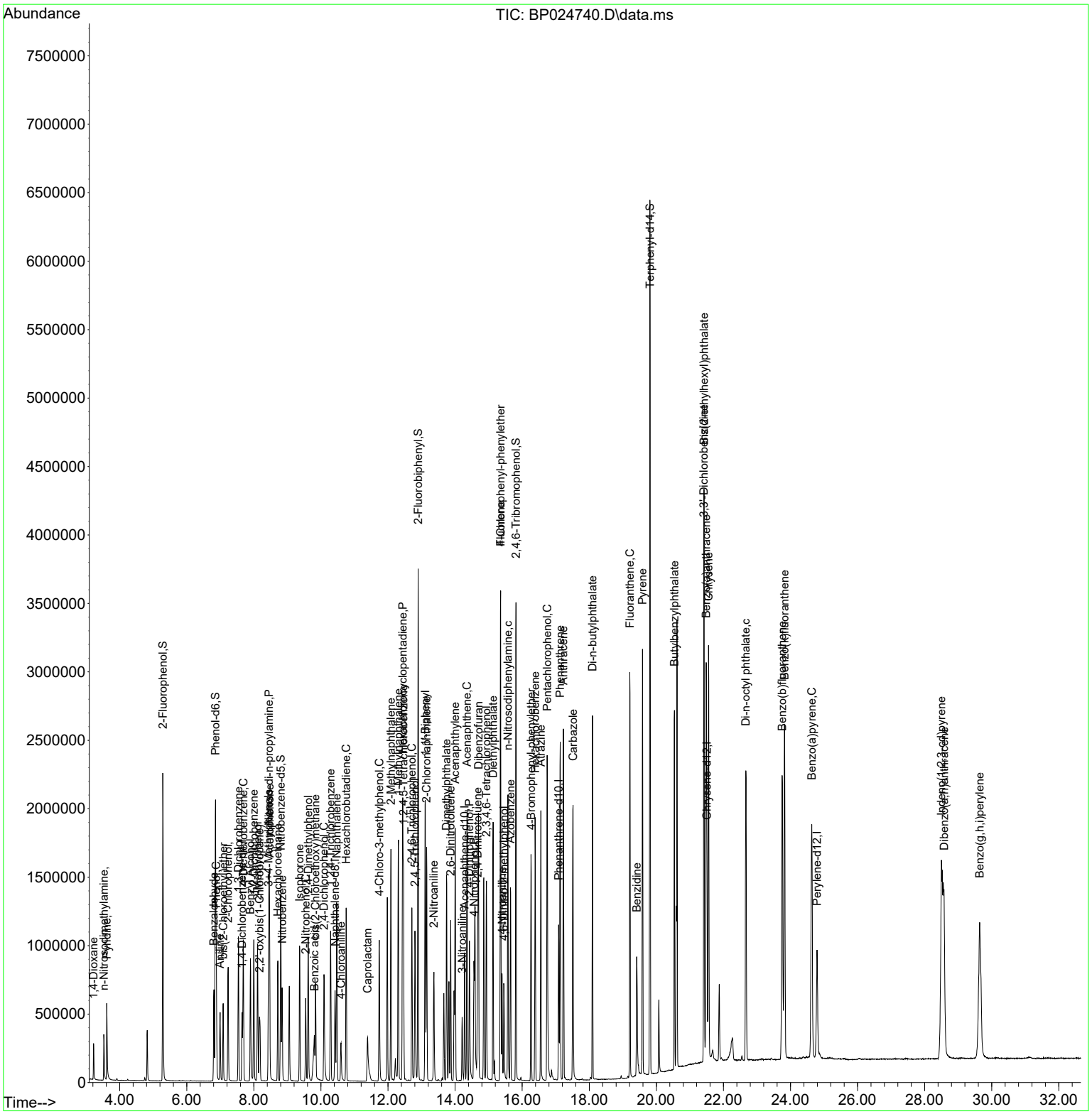
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.804	196	317188	47.170	ng		96
46) 1,1'-Biphenyl	13.110	154	1056335	44.499	ng		99
47) 2-Chloronaphthalene	13.151	162	805298	44.492	ng		99
48) 2-Nitroaniline	13.369	65	233074	43.495	ng		97
49) Acenaphthylene	14.004	152	1329954	43.908	ng		100
50) Dimethylphthalate	13.746	163	1043706	42.635	ng		100
51) 2,6-Dinitrotoluene	13.869	165	231482	44.774	ng		98
52) Acenaphthene	14.357	154	740473	42.524	ng		99
53) 3-Nitroaniline	14.210	138	119170	22.574	ng		100
54) 2,4-Dinitrophenol	14.428	184	264851	81.140	ng		96
55) Dibenzofuran	14.698	168	1189129	42.813	ng		100
56) 4-Nitrophenol	14.563	139	355366	77.875	ng		97
57) 2,4-Dinitrotoluene	14.675	165	330812	45.386	ng		97
58) Fluorene	15.357	166	948040	41.861	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.934	232	291266	46.694	ng		97
60) Diethylphthalate	15.134	149	1009664	40.807	ng		98
61) 4-Chlorophenyl-phenyle...	15.357	204	488094	43.215	ng		97
62) 4-Nitroaniline	15.404	138	214068m	41.997	ng		
63) Azobenzene	15.651	77	781467	36.920	ng		94
65) 4,6-Dinitro-2-methylph...	15.457	198	179101	44.591	ng		92
66) n-Nitrosodiphenylamine	15.575	169	822816	43.080	ng		98
67) 4-Bromophenyl-phenylether	16.269	248	338918	46.255	ng		95
68) Hexachlorobenzene	16.387	284	432441	46.446	ng		96
69) Atrazine	16.557	200	333765	47.684	ng		99
70) Pentachlorophenol	16.745	266	563019	107.725	ng		99
71) Phenanthrene	17.134	178	1503644	43.498	ng		100
72) Anthracene	17.228	178	1540314	44.289	ng		100
73) Carbazole	17.516	167	1409082	44.763	ng		100
74) Di-n-butylphthalate	18.098	149	1773755	43.814	ng		99
75) Fluoranthene	19.210	202	1768553	43.768	ng		99
77) Benzidine	19.416	184	715675	37.651	ng		100
78) Pyrene	19.586	202	1874917	44.836	ng		100
80) Butylbenzylphthalate	20.539	149	868659	46.707	ng		95
81) Benzo(a)anthracene	21.486	228	1948641	44.466	ng		99
82) 3,3'-Dichlorobenzidine	21.416	252	535256	32.885	ng		100
83) Chrysene	21.557	228	1864035	44.871	ng		100
84) Bis(2-ethylhexyl)phtha...	21.422	149	1278909	46.786	ng		99
85) Di-n-octyl phthalate	22.669	149	2124324	47.523	ng		99
87) Indeno(1,2,3-cd)pyrene	28.498	276	2716306	45.653	ng	#	89
88) Benzo(b)fluoranthene	23.751	252	2093567	44.879	ng		98
89) Benzo(k)fluoranthene	23.821	252	2186408	45.485	ng		99
90) Benzo(a)pyrene	24.633	252	2041978	45.577	ng		99
91) Dibenzo(a,h)anthracene	28.580	278	2225175	45.970	ng		97
92) Benzo(g,h,i)perylene	29.639	276	2181545	45.321	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052125\
Data File : BP024740.D
Acq On : 21 May 2025 16:50
Operator : RC/JU
Sample : PB168026BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168026BS

Quant Time: May 21 17:15:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Raw Data: **BP024665.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	MH-KMS	SDG No.:	Q2032
Lab Sample ID:	Q2019-04MS	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024665.D	1	05/15/25 12:00	05/16/25 20:22	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	350		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.0	100	ug/L
67-72-1	Hexachloroethane	350		6.50	50.0	ug/L
98-95-3	Nitrobenzene	430		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	400		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	470		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	480		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	450		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	940	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	115		10 - 134	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.4		49 - 133	76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.4		52 - 132	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	78.6		48 - 125	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	7.658			
1146-65-2	Naphthalene-d8	583000	10.434			
15067-26-2	Acenaphthene-d10	363000	14.293			
1517-22-2	Phenanthrene-d10	718000	17.092			
1719-03-5	Chrysene-d12	829000	21.527			
1520-96-3	Perylene-d12	1010000	24.804			

Raw Data: **BP024665.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	05/13/25
Project:	South River WM Replacement			Date Received:	05/13/25
Client Sample ID:	MH-KMS			SDG No.:	Q2032
Lab Sample ID:	Q2019-04MS			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024665.D	1	05/15/25 12:00	05/16/25 20:22	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP051625\
Data File : BP024665.D
Acq On : 16 May 2025 20:22
Operator : RC/JU
Sample : Q2019-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMS

Quant Time: May 17 00:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.658	152	147267	20.000	ng		0.00
21) Naphthalene-d8	10.434	136	583402	20.000	ng		0.00
39) Acenaphthene-d10	14.293	164	362698	20.000	ng		-0.01
64) Phenanthrene-d10	17.092	188	717901	20.000	ng		0.00
76) Chrysene-d12	21.527	240	829483	20.000	ng		0.00
86) Perylene-d12	24.804	264	1012511	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.305	112	1097538	127.469	ng		0.02
7) Phenol-d6	6.881	99	1262897	114.923	ng		0.03
23) Nitrobenzene-d5	8.810	82	881951	76.383	ng		0.00
42) 2,4,6-Tribromophenol	15.822	330	805544	131.009	ng		0.01
45) 2-Fluorobiphenyl	12.910	172	2115294	76.408	ng		0.00
79) Terphenyl-d14	19.822	244	3804552	78.647	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.234	88	135248	33.451	ng	#	60
3) Pyridine	3.634	79	310583	34.644	ng		99
4) n-Nitrosodimethylamine	3.534	42	155753	39.353	ng		97
6) Aniline	7.005	93	281422	19.835	ng		99
8) 2-Chlorophenol	7.252	128	431051	44.100	ng		99
9) Benzaldehyde	6.816	77	173942	24.452	ng		100
10) Phenol	6.911	94	452203	39.870	ng		99
11) bis(2-Chloroethyl)ether	7.093	93	380986	40.879	ng		99
12) 1,3-Dichlorobenzene	7.552	146	424136	37.716	ng		99
13) 1,4-Dichlorobenzene	7.693	146	433029	38.286	ng		99
14) 1,2-Dichlorobenzene	8.005	146	423804	38.454	ng		100
15) Benzyl Alcohol	7.911	79	381974	45.741	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.175	45	426454	38.209	ng		99
17) 2-Methylphenol	8.134	107	351298	43.184	ng		98
18) Hexachloroethane	8.722	117	152969	35.293	ng		97
19) n-Nitroso-di-n-propyla...	8.463	70	292710	38.507	ng		99
20) 3+4-Methylphenols	8.463	107	472933	42.739	ng	#	81
22) Acetophenone	8.475	105	624758	42.871	ng		97
24) Nitrobenzene	8.852	77	433345	42.648	ng		97
25) Isophorone	9.375	82	845396	42.209	ng		100
26) 2-Nitrophenol	9.558	139	234277	47.052	ng		98
27) 2,4-Dimethylphenol	9.640	122	402709	45.874	ng		100
28) bis(2-Chloroethoxy)met...	9.846	93	503957	42.116	ng		99
29) 2,4-Dichlorophenol	10.122	162	404416	47.540	ng		97
30) 1,2,4-Trichlorobenzene	10.299	180	401897	41.924	ng		97
31) Naphthalene	10.475	128	1273386	42.120	ng		100
32) Benzoic acid	9.810	122	162446	29.914	ng		97
33) 4-Chloroaniline	10.610	127	123255	10.103	ng		98
34) Hexachlorobutadiene	10.757	225	248176	39.963	ng		98
35) Caprolactam	11.399	113	121684	39.536	ng		97
36) 4-Chloro-3-methylphenol	11.769	107	468600	45.170	ng		97
37) 2-Methylnaphthalene	12.099	142	825277	42.158	ng		99
38) 1-Methylnaphthalene	12.316	142	873110	41.685	ng		99
40) 1,2,4,5-Tetrachloroben...	12.469	216	470292	44.652	ng		100
41) Hexachlorocyclopentadiene	12.446	237	407428	63.796	ng		97
43) 2,4,6-Trichlorophenol	12.728	196	329246	48.263	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024665.D
Acq On : 16 May 2025 20:22
Operator : RC/JU
Sample : Q2019-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMS

Quant Time: May 17 00:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

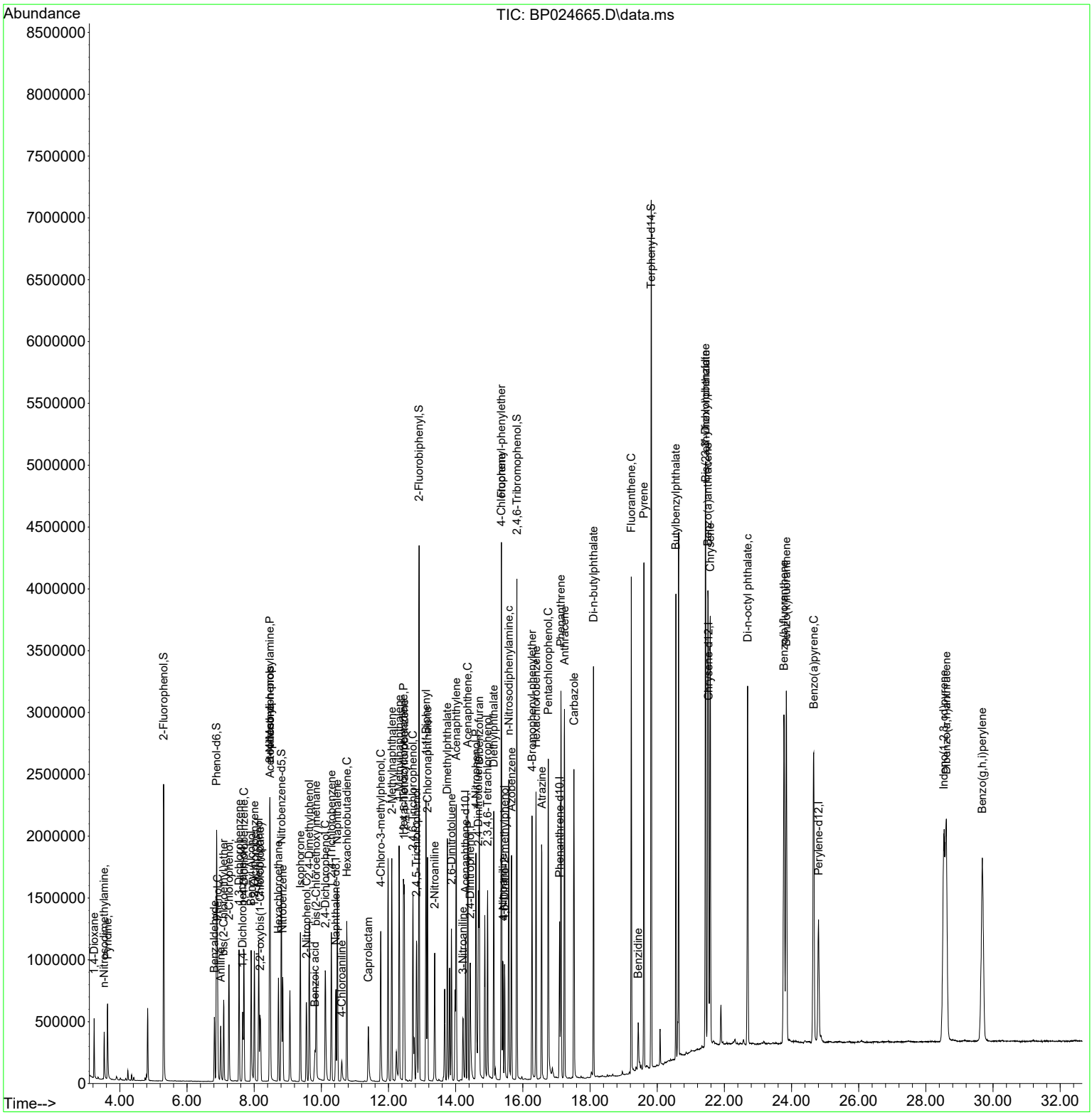
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.834	196	353732	46.583	ng		97
46) 1,1'-Biphenyl	13.116	154	1210425	45.153	ng		99
47) 2-Chloronaphthalene	13.163	162	915584	44.794	ng		99
48) 2-Nitroaniline	13.375	65	287162	47.454	ng		99
49) Acenaphthylene	14.016	152	1543937	45.137	ng		99
50) Dimethylphthalate	13.751	163	1252945	45.323	ng		100
51) 2,6-Dinitrotoluene	13.875	165	268690	46.021	ng		96
52) Acenaphthene	14.357	154	870145	44.250	ng		100
53) 3-Nitroaniline	14.216	138	163872	27.488	ng		96
54) 2,4-Dinitrophenol	14.434	184	306966	83.107	ng		97
55) Dibenzofuran	14.704	168	1393080	44.414	ng		98
56) 4-Nitrophenol	14.604	139	384998	74.881	ng		98
57) 2,4-Dinitrotoluene	14.675	165	391637	47.580	ng		98
58) Fluorene	15.363	166	1164277	45.523	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.951	232	294896	41.863	ng		99
60) Diethylphthalate	15.134	149	1234706	44.190	ng		99
61) 4-Chlorophenyl-phenyle...	15.357	204	571638	44.818	ng		99
62) 4-Nitroaniline	15.410	138	256838	44.619	ng		95
63) Azobenzene	15.663	77	1043486	43.655	ng		97
65) 4,6-Dinitro-2-methylph...	15.457	198	216437	46.674	ng		99
66) n-Nitrosodiphenylamine	15.581	169	1011520	45.872	ng		100
67) 4-Bromophenyl-phenylether	16.275	248	391608	46.293	ng		98
68) Hexachlorobenzene	16.392	284	488918	45.484	ng		96
69) Atrazine	16.563	200	376146	46.546	ng		99
70) Pentachlorophenol	16.757	266	567701	94.084	ng		99
71) Phenanthrene	17.134	178	1807859	45.299	ng		100
72) Anthracene	17.239	178	1850633	46.089	ng		100
73) Carbazole	17.522	167	1743175	47.965	ng		99
74) Di-n-butylphthalate	18.104	149	2197149	47.008	ng		99
75) Fluoranthene	19.228	202	2163349	46.373	ng		100
77) Benzidine	19.433	184	341339	15.109	ng		99
78) Pyrene	19.604	202	2273589	45.746	ng		99
80) Butylbenzylphthalate	20.557	149	1047793	47.403	ng		97
81) Benzo(a)anthracene	21.510	228	2378394	45.664	ng		99
82) 3,3'-Dichlorobenzidine	21.433	252	683626	35.338	ng		99
83) Chrysene	21.580	228	2236227	45.292	ng		100
84) Bis(2-ethylhexyl)phtha...	21.445	149	1551307	47.749	ng		99
85) Di-n-octyl phthalate	22.692	149	2682489	50.491	ng		99
87) Indeno(1,2,3-cd)pyrene	28.533	276	3542628	47.926	ng	#	90
88) Benzo(b)fluoranthene	23.774	252	2671679	46.100	ng		100
89) Benzo(k)fluoranthene	23.845	252	2648831	44.355	ng		99
90) Benzo(a)pyrene	24.663	252	2549626	45.807	ng		99
91) Dibenzo(a,h)anthracene	28.609	278	2910834	48.404	ng		100
92) Benzo(g,h,i)perylene	29.680	276	2852013	47.691	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024665.D
Acq On : 16 May 2025 20:22
Operator : RC/JU
Sample : Q2019-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMS

Quant Time: May 17 00:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



Raw Data: **BP024666.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	MH-KMSD	SDG No.:	Q2032
Lab Sample ID:	Q2019-04MSD	Matrix:	TCLP
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024666.D	1	05/15/25 12:00	05/16/25 21:03	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	320		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	390		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	420		11.0	100	ug/L
67-72-1	Hexachloroethane	370		6.50	50.0	ug/L
98-95-3	Nitrobenzene	430		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	500		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	490		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	490		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	470		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	115		10 - 134	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		52 - 132	77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		44 - 137	93%	SPK: 150
1718-51-0	Terphenyl-d14	85.1		48 - 125	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	154000	7.663			
1146-65-2	Naphthalene-d8	604000	10.428			
15067-26-2	Acenaphthene-d10	384000	14.293			
1517-22-2	Phenanthrene-d10	774000	17.087			
1719-03-5	Chrysene-d12	841000	21.522			
1520-96-3	Perylene-d12	999000	24.81			

Raw Data: **BP024666.D**

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

Report of Analysis

Client:	CDM Smith			Date Collected:	05/13/25
Project:	South River WM Replacement			Date Received:	05/13/25
Client Sample ID:	MH-KMSD			SDG No.:	Q2032
Lab Sample ID:	Q2019-04MSD			Matrix:	TCLP
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024666.D	1	05/15/25 12:00	05/16/25 21:03	PB168026

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP051625\
Data File : BP024666.D
Acq On : 16 May 2025 21:03
Operator : RC/JU
Sample : Q2019-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMSD

Quant Time: May 17 00:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.663	152	154221	20.000	ng		0.00
21) Naphthalene-d8	10.428	136	604431	20.000	ng		0.00
39) Acenaphthene-d10	14.293	164	384414	20.000	ng		-0.01
64) Phenanthrene-d10	17.087	188	774001	20.000	ng		-0.01
76) Chrysene-d12	21.522	240	841480	20.000	ng		0.00
86) Perylene-d12	24.810	264	998856	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.311	112	1151765	127.735	ng		0.02
7) Phenol-d6	6.881	99	1322050	114.882	ng		0.03
23) Nitrobenzene-d5	8.810	82	943373	78.860	ng		0.00
42) 2,4,6-Tribromophenol	15.810	330	912668	140.046	ng		0.00
45) 2-Fluorobiphenyl	12.904	172	2271515	77.416	ng		0.00
79) Terphenyl-d14	19.816	244	4177183	85.119	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.240	88	141825	33.496	ng	#	59
3) Pyridine	3.634	79	304277	32.410	ng		98
4) n-Nitrosodimethylamine	3.540	42	155323	37.475	ng		98
6) Aniline	7.005	93	285913	19.243	ng		99
8) 2-Chlorophenol	7.252	128	457780	44.722	ng		97
9) Benzaldehyde	6.822	77	179050	24.035	ng		99
10) Phenol	6.911	94	472580	39.787	ng		99
11) bis(2-Chloroethyl)ether	7.099	93	401328	41.120	ng		99
12) 1,3-Dichlorobenzene	7.552	146	449065	38.132	ng		98
13) 1,4-Dichlorobenzene	7.699	146	459046	38.756	ng		100
14) 1,2-Dichlorobenzene	8.011	146	448057	38.821	ng		99
15) Benzyl Alcohol	7.916	79	397920	45.502	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.181	45	453274	38.780	ng		99
17) 2-Methylphenol	8.134	107	367588	43.149	ng		99
18) Hexachloroethane	8.722	117	166606	36.706	ng		98
19) n-Nitroso-di-n-propyla...	8.463	70	309373	38.864	ng		99
20) 3+4-Methylphenols	8.463	107	491896	42.448	ng	#	82
22) Acetophenone	8.481	105	661821	43.834	ng	#	99
24) Nitrobenzene	8.852	77	453771	43.104	ng		96
25) Isophorone	9.375	82	873767	42.108	ng		98
26) 2-Nitrophenol	9.557	139	249194	48.307	ng		99
27) 2,4-Dimethylphenol	9.634	122	438016	48.160	ng		98
28) bis(2-Chloroethoxy)met...	9.846	93	535751	43.215	ng		99
29) 2,4-Dichlorophenol	10.116	162	432184	49.036	ng		97
30) 1,2,4-Trichlorobenzene	10.293	180	424038	42.694	ng		97
31) Naphthalene	10.475	128	1346705	42.995	ng		100
32) Benzoic acid	9.822	122	188113	32.556	ng		97
33) 4-Chloroaniline	10.604	127	141170	11.169	ng		99
34) Hexachlorobutadiene	10.757	225	270108	41.981	ng		97
35) Caprolactam	11.399	113	127337	39.933	ng		100
36) 4-Chloro-3-methylphenol	11.763	107	514919	47.908	ng		97
37) 2-Methylnaphthalene	12.087	142	884297	43.601	ng		100
38) 1-Methylnaphthalene	12.310	142	933658	43.025	ng		100
40) 1,2,4,5-Tetrachloroben...	12.463	216	503994	45.149	ng		99
41) Hexachlorocyclopentadiene	12.440	237	479434	70.830	ng		96
43) 2,4,6-Trichlorophenol	12.722	196	358176	49.538	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024666.D
Acq On : 16 May 2025 21:03
Operator : RC/JU
Sample : Q2019-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMSD

Quant Time: May 17 00:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration

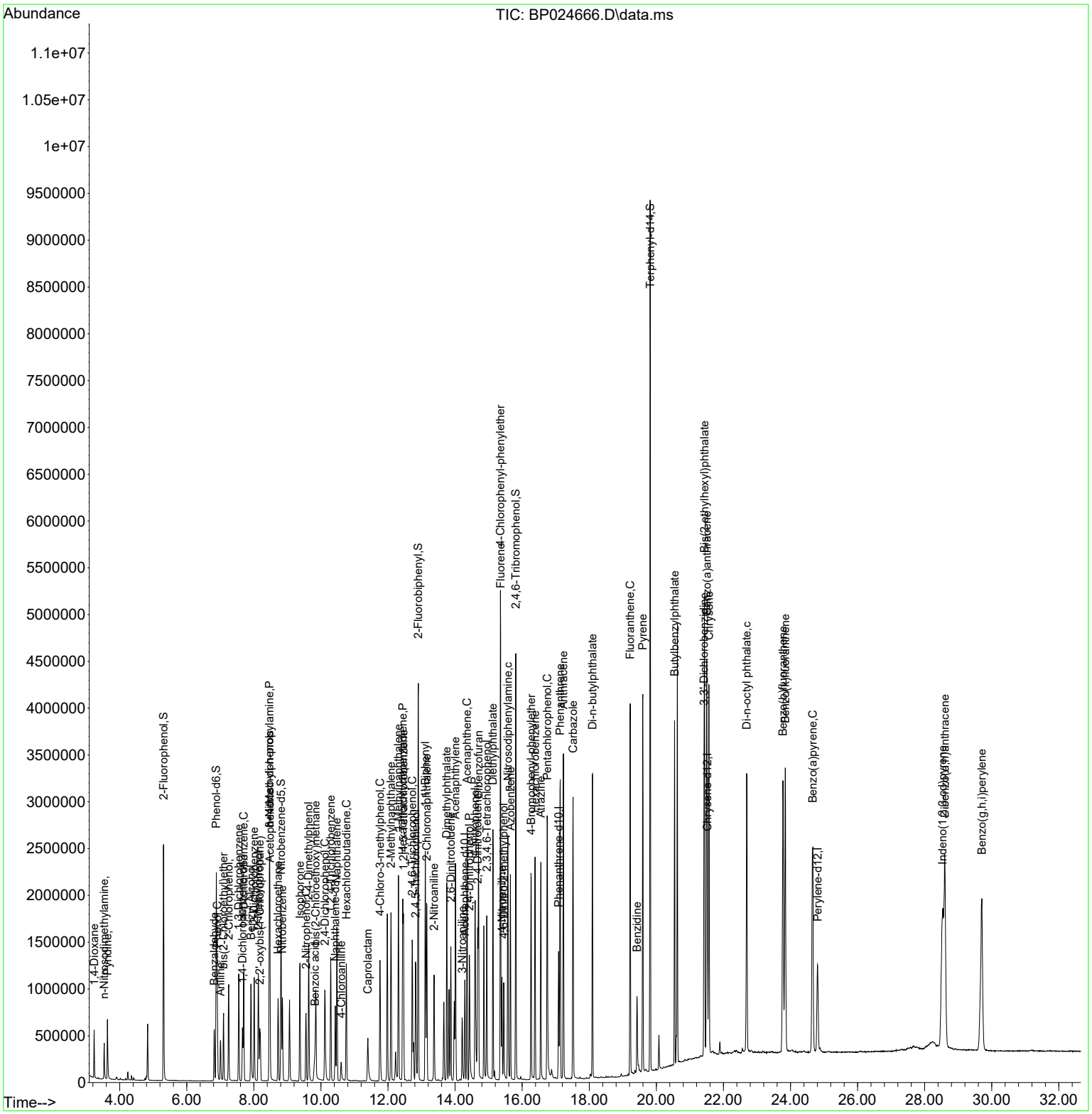
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.822	196	397360	49.372	ng	97
46)	1,1'-Biphenyl	13.110	154	1287327	45.309	ng	100
47)	2-Chloronaphthalene	13.157	162	987024	45.561	ng	99
48)	2-Nitroaniline	13.375	65	312578	48.736	ng	95
49)	Acenaphthylene	14.010	152	1671169	46.096	ng	99
50)	Dimethylphthalate	13.751	163	1361550	46.469	ng	99
51)	2,6-Dinitrotoluene	13.875	165	296115	47.853	ng	98
52)	Acenaphthene	14.357	154	931599	44.699	ng	100
53)	3-Nitroaniline	14.210	138	189551	30.000	ng	99
54)	2,4-Dinitrophenol	14.428	184	351026	89.162	ng	99
55)	Dibenzofuran	14.698	168	1508097	45.365	ng	99
56)	4-Nitrophenol	14.598	139	432882	79.181	ng	97
57)	2,4-Dinitrotoluene	14.675	165	430890	49.391	ng	94
58)	Fluorene	15.357	166	1252465	46.205	ng	100
59)	2,3,4,6-Tetrachlorophenol	14.945	232	347131	46.495	ng	98
60)	Diethylphthalate	15.128	149	1388549	46.888	ng	99
61)	4-Chlorophenyl-phenyle...	15.351	204	624092	46.167	ng	99
62)	4-Nitroaniline	15.398	138	288844	47.344	ng	97
63)	Azobenzene	15.651	77	1145992	45.235	ng	96
65)	4,6-Dinitro-2-methylph...	15.451	198	243419	48.688	ng	99
66)	n-Nitrosodiphenylamine	15.575	169	1117905	47.022	ng	99
67)	4-Bromophenyl-phenylether	16.269	248	434579	47.649	ng	96
68)	Hexachlorobenzene	16.387	284	540912	46.674	ng	95
69)	Atrazine	16.557	200	416623	47.818	ng	99
70)	Pentachlorophenol	16.751	266	646283	99.344	ng	99
71)	Phenanthrene	17.134	178	2024358	47.048	ng	100
72)	Anthracene	17.228	178	2047288	47.292	ng	99
73)	Carbazole	17.516	167	1933058	49.335	ng	99
74)	Di-n-butylphthalate	18.098	149	2458034	48.778	ng	99
75)	Fluoranthene	19.222	202	2392754	47.573	ng	99
77)	Benzidine	19.422	184	565834	24.689	ng	100
78)	Pyrene	19.598	202	2474599	49.080	ng	100
80)	Butylbenzylphthalate	20.545	149	1150021	51.286	ng	97
81)	Benzo(a)anthracene	21.504	228	2495117	47.222	ng	100
82)	3,3'-Dichlorobenzidine	21.422	252	785964	40.049	ng	100
83)	Chrysene	21.569	228	2329973	46.518	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.433	149	1629692	49.446	ng	99
85)	Di-n-octyl phthalate	22.692	149	2823944	52.395	ng	99
87)	Indeno(1,2,3-cd)pyrene	28.533	276	3517921	48.242	ng	98
88)	Benzo(b)fluoranthene	23.774	252	2692797	47.099	ng	99
89)	Benzo(k)fluoranthene	23.845	252	2635381	44.733	ng	99
90)	Benzo(a)pyrene	24.668	252	2568096	46.769	ng	99
91)	Dibenzo(a,h)anthracene	28.604	278	2917615	49.180	ng	99
92)	Benzo(g,h,i)perylene	29.703	276	2855801	48.407	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051625\
Data File : BP024666.D
Acq On : 16 May 2025 21:03
Operator : RC/JU
Sample : Q2019-04MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-KMSD

Quant Time: May 17 00:47:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP051325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 13 16:21:39 2025
Response via : Initial Calibration



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

Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024615.D	4-Nitroaniline	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Benzaldehyde	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC005	BP024615.D	Caprolactam	Rahul	5/14/2025 2:19:40 PM	Jagrut	5/14/2025 5:15:55 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	4-Nitroaniline	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzaldehyde	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzidine	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Benzoic acid	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Caprolactam	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC010	BP024616.D	Pentachlorophenol	Rahul	5/14/2025 2:19:43 PM	Jagrut	5/14/2025 5:16:07 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzaldehyde	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Benzoic acid	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICC020	BP024617.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:45 PM	Jagrut	5/14/2025 5:16:09 PM	Peak Integrated by Software
SSTDICCC040	BP024618.D	Benzaldehyde	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP051325	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BP024618.D	Benzoic acid	Rahul	5/14/2025 2:19:48 PM	Jagrut	5/14/2025 5:16:12 PM	Peak Integrated by Software
SSTDICC080	BP024621.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:51 PM	Jagrut	5/14/2025 5:16:14 PM	Peak Integrated by Software
SSTDICV040	BP024622.D	Indeno(1,2,3-cd)pyrene	Rahul	5/14/2025 2:19:57 PM	Jagrut	5/14/2025 5:16:17 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP051625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024669.D	Benzoic acid	Rahul	5/19/2025 1:44:27 PM	Jagrut	5/19/2025 5:02:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bP052125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM				
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM				
SubDirectory	BP051325	HP Acquire Method	BNA_P		HP Processing Method	bp051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024613.D	13 May 2025 10:00	RC/JU	Ok
2	SSTDICC2.5	BP024614.D	13 May 2025 10:41	RC/JU	Ok
3	SSTDICC005	BP024615.D	13 May 2025 11:22	RC/JU	Ok,M
4	SSTDICC010	BP024616.D	13 May 2025 12:03	RC/JU	Ok,M
5	SSTDICC020	BP024617.D	13 May 2025 12:43	RC/JU	Ok,M
6	SSTDICCC040	BP024618.D	13 May 2025 13:24	RC/JU	Ok,M
7	SSTDICC050	BP024619.D	13 May 2025 14:05	RC/JU	Ok
8	SSTDICC060	BP024620.D	13 May 2025 14:45	RC/JU	Ok
9	SSTDICC080	BP024621.D	13 May 2025 15:26	RC/JU	Ok,M
10	SSTDICV040	BP024622.D	13 May 2025 17:01	RC/JU	Ok,M
11	PB167917TB	BP024623.D	13 May 2025 18:23	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051625

Review By	Rahul	Review On	5/19/2025 1:47:16 PM				
Supervise By	Jagrut	Supervise On	5/19/2025 5:02:33 PM				
SubDirectory	BP051625	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024650.D	16 May 2025 10:09	RC/JU	Ok
2	SSTDCCC040	BP024651.D	16 May 2025 10:49	RC/JU	Ok
3	PB168026BL	BP024652.D	16 May 2025 11:30	RC/JU	Ok
4	PB168019BS	BP024653.D	16 May 2025 12:11	RC/JU	Ok
5	PB168019BSD	BP024654.D	16 May 2025 12:52	RC/JU	Ok,M
6	PB168019BL	BP024655.D	16 May 2025 13:33	RC/JU	Ok
7	Q2006-02	BP024656.D	16 May 2025 14:14	RC/JU	Ok
8	Q1993-04	BP024657.D	16 May 2025 14:55	RC/JU	Ok
9	Q1993-05	BP024658.D	16 May 2025 15:36	RC/JU	Ok
10	Q1993-06	BP024659.D	16 May 2025 16:17	RC/JU	Ok
11	Q1993-07	BP024660.D	16 May 2025 16:58	RC/JU	Ok
12	Q1993-08	BP024661.D	16 May 2025 17:39	RC/JU	Ok
13	Q1983-25MS	BP024662.D	16 May 2025 18:20	RC/JU	Ok,NR
14	Q1983-25MSD	BP024663.D	16 May 2025 19:01	RC/JU	Ok,NR
15	Q2019-04	BP024664.D	16 May 2025 19:41	RC/JU	Ok
16	Q2019-04MS	BP024665.D	16 May 2025 20:22	RC/JU	Ok
17	Q2019-04MSD	BP024666.D	16 May 2025 21:03	RC/JU	Ok
18	Q2038-02	BP024667.D	16 May 2025 21:44	RC/JU	Ok
19	DFTPP	BP024668.D	16 May 2025 23:06	RC/JU	Ok
20	SSTDCCC040	BP024669.D	16 May 2025 23:48	RC/JU	Ok,M
21	PB167994TB	BP024670.D	17 May 2025 00:29	RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051625

Review By	Rahul	Review On	5/19/2025 1:47:16 PM				
Supervise By	Jagrut	Supervise On	5/19/2025 5:02:33 PM				
SubDirectory	BP051625	HP Acquire Method	BNA_P		HP Processing Method	BP051325	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2034-04	BP024671.D	17 May 2025 01:10	RC/JU	Ok
23	Q2034-08	BP024672.D	17 May 2025 01:52	RC/JU	Ok
24	Q2034-12	BP024673.D	17 May 2025 02:33	RC/JU	Ok
25	Q2034-16	BP024674.D	17 May 2025 03:14	RC/JU	Ok
26	Q2034-20	BP024675.D	17 May 2025 03:55	RC/JU	Ok
27	Q2034-24	BP024676.D	17 May 2025 04:37	RC/JU	Ok
28	Q2048-04	BP024677.D	17 May 2025 05:17	RC/JU	Ok
29	Q2048-08	BP024678.D	17 May 2025 05:58	RC/JU	Ok
30	Q2048-12	BP024679.D	17 May 2025 06:39	RC/JU	Ok
31	Q2048-16	BP024680.D	17 May 2025 07:20	RC/JU	Ok
32	Q2032-09	BP024681.D	17 May 2025 08:01	RC/JU	Ok
33	Q2020-04	BP024682.D	17 May 2025 08:42	RC/JU	Ok
34	Q2027-03	BP024683.D	17 May 2025 09:22	RC/JU	Ok
35	Q2027-04	BP024684.D	17 May 2025 10:03	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BP052125	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024736.D	21 May 2025 12:54	RC/JU	Ok
2	SSTDCCC040	BP024737.D	21 May 2025 14:48	RC/JU	Ok,NR
3	PB168095BL	BP024738.D	21 May 2025 15:29	RC/JU	Ok
4	PB168095BS	BP024739.D	21 May 2025 16:09	RC/JU	Ok,NR
5	PB168026BS	BP024740.D	21 May 2025 16:50	RC/JU	Ok,NR
6	Q2052-04	BP024741.D	21 May 2025 17:34	RC/JU	Ok
7	Q2052-04MS	BP024742.D	21 May 2025 18:14	RC/JU	Ok
8	Q2052-04MSD	BP024743.D	21 May 2025 18:55	RC/JU	Ok
9	Q2071-20	BP024744.D	21 May 2025 19:36	RC/JU	ReRun
10	Q2071-16	BP024745.D	21 May 2025 20:16	RC/JU	Ok
11	Q2071-04	BP024746.D	21 May 2025 20:57	RC/JU	Ok
12	Q2075-07	BP024747.D	21 May 2025 21:38	RC/JU	ReRun
13	Q2075-08	BP024748.D	21 May 2025 22:18	RC/JU	Ok
14	Q2084-01	BP024749.D	21 May 2025 22:59	RC/JU	Ok,NR
15	Q2087-03	BP024750.D	21 May 2025 23:40	RC/JU	Ok
16	Q2087-01	BP024751.D	22 May 2025 00:20	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051325

Review By	Rahul	Review On	5/14/2025 2:20:20 PM		
Supervise By	Jagrut	Supervise On	5/14/2025 5:16:42 PM		
SubDirectory	BP051325	HP Acquire Method	BNA_P	HP Processing Method	bp051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024613.D	13 May 2025 10:00		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024614.D	13 May 2025 10:41		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024615.D	13 May 2025 11:22	Compound#32-54-56-65-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024616.D	13 May 2025 12:03		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024617.D	13 May 2025 12:43		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024618.D	13 May 2025 13:24	Compound#32-54-56 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP024619.D	13 May 2025 14:05		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024620.D	13 May 2025 14:45		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024621.D	13 May 2025 15:26		RC/JU	Ok,M
10	SSTDICV040	ICVBP051325	BP024622.D	13 May 2025 17:01		RC/JU	Ok,M
11	PB167917TB	PB167917TB	BP024623.D	13 May 2025 18:23		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051625

Review By	Rahul	Review On	5/19/2025 1:47:16 PM		
Supervise By	Jagrut	Supervise On	5/19/2025 5:02:33 PM		
SubDirectory	BP051625	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024650.D	16 May 2025 10:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024651.D	16 May 2025 10:49		RC/JU	Ok
3	PB168026BL	PB168026BL	BP024652.D	16 May 2025 11:30		RC/JU	Ok
4	PB168019BS	PB168019BS	BP024653.D	16 May 2025 12:11		RC/JU	Ok
5	PB168019BSD	PB168019BSD	BP024654.D	16 May 2025 12:52		RC/JU	Ok,M
6	PB168019BL	PB168019BL	BP024655.D	16 May 2025 13:33		RC/JU	Ok
7	Q2006-02	EFF-WW	BP024656.D	16 May 2025 14:14		RC/JU	Ok
8	Q1993-04	MW-3-20250508-A	BP024657.D	16 May 2025 14:55		RC/JU	Ok
9	Q1993-05	MW-2-20250508	BP024658.D	16 May 2025 15:36		RC/JU	Ok
10	Q1993-06	MW-1-20250508	BP024659.D	16 May 2025 16:17		RC/JU	Ok
11	Q1993-07	MW-4-20250508	BP024660.D	16 May 2025 16:58		RC/JU	Ok
12	Q1993-08	EB-20250508	BP024661.D	16 May 2025 17:39		RC/JU	Ok
13	Q1983-25MS	OR-636-COMP-05MS	BP024662.D	16 May 2025 18:20		RC/JU	Ok,NR
14	Q1983-25MSD	OR-636-COMP-05MSD	BP024663.D	16 May 2025 19:01		RC/JU	Ok,NR
15	Q2019-04	MH-K	BP024664.D	16 May 2025 19:41		RC/JU	Ok
16	Q2019-04MS	MH-KMS	BP024665.D	16 May 2025 20:22		RC/JU	Ok
17	Q2019-04MSD	MH-KMSD	BP024666.D	16 May 2025 21:03		RC/JU	Ok
18	Q2038-02	72-11991	BP024667.D	16 May 2025 21:44		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP051625

Review By	Rahul	Review On	5/19/2025 1:47:16 PM		
Supervise By	Jagrut	Supervise On	5/19/2025 5:02:33 PM		
SubDirectory	BP051625	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12665,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	DFTPP	DFTPP	BP024668.D	16 May 2025 23:06		RC/JU	Ok
20	SSTDCCC040	SSTDCCC040	BP024669.D	16 May 2025 23:48		RC/JU	Ok,M
21	PB167994TB	PB167994TB	BP024670.D	17 May 2025 00:29		RC/JU	Ok
22	Q2034-04	L3-WC-1	BP024671.D	17 May 2025 01:10		RC/JU	Ok
23	Q2034-08	L3-WC-2	BP024672.D	17 May 2025 01:52		RC/JU	Ok
24	Q2034-12	L3-WC-3	BP024673.D	17 May 2025 02:33		RC/JU	Ok
25	Q2034-16	L3-WC-4	BP024674.D	17 May 2025 03:14		RC/JU	Ok
26	Q2034-20	L3-WC-5	BP024675.D	17 May 2025 03:55		RC/JU	Ok
27	Q2034-24	L3-WC-6	BP024676.D	17 May 2025 04:37		RC/JU	Ok
28	Q2048-04	L2-WC-1	BP024677.D	17 May 2025 05:17		RC/JU	Ok
29	Q2048-08	L2-WC-2	BP024678.D	17 May 2025 05:58		RC/JU	Ok
30	Q2048-12	L2-WC-3	BP024679.D	17 May 2025 06:39		RC/JU	Ok
31	Q2048-16	L2-WC-4	BP024680.D	17 May 2025 07:20		RC/JU	Ok
32	Q2032-09	COMP-1	BP024681.D	17 May 2025 08:01		RC/JU	Ok
33	Q2020-04	TP-A	BP024682.D	17 May 2025 08:42		RC/JU	Ok
34	Q2027-03	B27-SOIL-SAMPLE	BP024683.D	17 May 2025 09:22		RC/JU	Ok
35	Q2027-04	B28-SOIL-SAMPLE	BP024684.D	17 May 2025 10:03		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP052125

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BP052125	HP Acquire Method	BNA_P	HP Processing Method	BP051325

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12666,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024736.D	21 May 2025 12:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024737.D	21 May 2025 14:48		RC/JU	Ok,NR
3	PB168095BL	PB168095BL	BP024738.D	21 May 2025 15:29		RC/JU	Ok
4	PB168095BS	PB168095BS	BP024739.D	21 May 2025 16:09		RC/JU	Ok,NR
5	PB168026BS	PB168026BS	BP024740.D	21 May 2025 16:50		RC/JU	Ok,NR
6	Q2052-04	TP-B	BP024741.D	21 May 2025 17:34		RC/JU	Ok
7	Q2052-04MS	TP-BMS	BP024742.D	21 May 2025 18:14		RC/JU	Ok
8	Q2052-04MSD	TP-BMSD	BP024743.D	21 May 2025 18:55		RC/JU	Ok
9	Q2071-20	L2-WC-6	BP024744.D	21 May 2025 19:36	Internal Standard Fail	RC/JU	ReRun
10	Q2071-16	L2-WC-5	BP024745.D	21 May 2025 20:16		RC/JU	Ok
11	Q2071-04	L1-WC-7	BP024746.D	21 May 2025 20:57		RC/JU	Ok
12	Q2075-07	FB-05152025	BP024747.D	21 May 2025 21:38	Internal Standard Fail	RC/JU	ReRun
13	Q2075-08	FB-05162025	BP024748.D	21 May 2025 22:18		RC/JU	Ok
14	Q2084-01	OR-640-COMP-66	BP024749.D	21 May 2025 22:59		RC/JU	Ok,NR
15	Q2087-03	NB-08-05202025	BP024750.D	21 May 2025 23:40		RC/JU	Ok
16	Q2087-01	NB-07-05202025	BP024751.D	22 May 2025 00:20	Need Straight Run	RC/JU	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167994

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 05/14/2025 **Time :** 16:10

End Prep Date : 05/15/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~10~~ N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : JZ

Standared Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. Q2048-16 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/15/25 11:45	JP 120 Room	SLB. RJ / EXT
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167994

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167994TB	LEB994	18	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q2019-04	MH-K	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2020-04	TP-A	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2023-02	HEATER-PAD	03	100.03	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2027-03	B27-SOIL-SAMPLE	04	100.04	2000	N/A	N/A	N/A	9.1	1.0	T-1
Q2027-04	B28-SOIL-SAMPLE	05	100.02	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q2032-09	COMP-1	06	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-04	L3-WC-1	07	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2034-08	L3-WC-2	08	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2034-12	L3-WC-3	09	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2034-16	L3-WC-4	10	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-20	L3-WC-5	11	100.04	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2034-24	L3-WC-6	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2038-02	72-11991	13	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2048-04	L2-WC-1	14	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2048-08	L2-WC-2	15	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2048-12	L2-WC-3	16	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q2048-16	L2-WC-4	17	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167994TB	LEB994	N/A	N/A	N/A	N/A	N/A	N/A
Q2019-04	MH-K	N/A	N/A	N/A	N/A	100	N/A
Q2020-04	TP-A	N/A	N/A	N/A	N/A	100	N/A
Q2023-02	HEATER-PAD	N/A	N/A	N/A	N/A	100	N/A
Q2027-03	B27-SOIL-SAMPLE	N/A	N/A	N/A	N/A	100	N/A
Q2027-04	B28-SOIL-SAMPLE	N/A	N/A	N/A	N/A	100	N/A
Q2032-09	COMP-1	N/A	N/A	N/A	N/A	100	N/A
Q2034-04	L3-WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2034-08	L3-WC-2	N/A	N/A	N/A	N/A	100	N/A
Q2034-12	L3-WC-3	N/A	N/A	N/A	N/A	100	N/A
Q2034-16	L3-WC-4	N/A	N/A	N/A	N/A	100	N/A
Q2034-20	L3-WC-5	N/A	N/A	N/A	N/A	100	N/A
Q2034-24	L3-WC-6	N/A	N/A	N/A	N/A	100	N/A
Q2038-02	72-11991	N/A	N/A	N/A	N/A	100	N/A
Q2048-04	L2-WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2048-08	L2-WC-2	N/A	N/A	N/A	N/A	100	N/A
Q2048-12	L2-WC-3	N/A	N/A	N/A	N/A	100	N/A
Q2048-16	L2-WC-4	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167994

Hot Block ID : WC S-1 / WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167994TB	LEB994	N/A	N/A	N/A	N/A	#1	4.94
Q2019-04	MH-K	5.02	96.5	8.2	3.0	#1	4.94
Q2020-04	TP-A	5.03	96.5	8.4	3.5	#1	4.94
Q2023-02	HEATER-PAD	5.02	96.5	12.5	4.5	#1	4.94
Q2027-03	B27-SOIL-SAMPLE	5.03	96.5	11.0	4.5	#1	4.94
Q2027-04	B28-SOIL-SAMPLE	5.04	96.5	11.5	4.0	#1	4.94
Q2032-09	COMP-1	5.02	96.5	5.5	1.5	#1	4.94
Q2034-04	L3-WC-1	5.03	96.5	5.5	1.5	#1	4.94
Q2034-08	L3-WC-2	5.02	96.5	5.6	2.0	#1	4.94
Q2034-12	L3-WC-3	5.01	96.5	7.0	2.5	#1	4.94
Q2034-16	L3-WC-4	5.02	96.5	7.6	2.0	#1	4.94
Q2034-20	L3-WC-5	5.03	96.5	5.6	1.5	#1	4.94
Q2034-24	L3-WC-6	5.04	96.5	5.5	1.5	#1	4.94
Q2038-02	72-11991	5.03	96.5	7.2	2.5	#1	4.94
Q2048-04	L2-WC-1	5.02	96.5	6.4	2.0	#1	4.94
Q2048-08	L2-WC-2	5.01	96.5	6.0	2.5	#1	4.94
Q2048-12	L2-WC-3	5.02	96.5	6.2	2.0	#1	4.94
Q2048-16	L2-WC-4	5.03	96.5	6.2	2.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q2034 **WorkList ID :** 189510 **Department :** TCLP Extraction **Date :** 05-14-2025 10:41:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2019-04	MH-K	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2020-04	TP-A	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/12/2025	1311
Q2023-02	HEATER-PAD	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2027-03	B27-SOIL-SAMPLE	Solid	TCLP Extraction	Cool 4 deg C	SCAL01	L41	05/12/2025	1311
Q2027-04	B28-SOIL-SAMPLE	Solid	TCLP Extraction	Cool 4 deg C	SCAL01	L41	05/12/2025	1311
Q2032-09	COMP-1	Solid	TCLP Extraction	Cool 4 deg C	CAMP02	L41	05/13/2025	1311
Q2034-04	L3-WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-08	L3-WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-12	L3-WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-16	L3-WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-20	L3-WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2034-24	L3-WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2038-02	72-11991	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/13/2025	1311
Q2048-04	L2-WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	05/14/2025	1311
Q2048-08	L2-WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311
Q2048-12	L2-WC-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311
Q2048-16	L2-WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	05/14/2025	1311

Date/Time 05-14-25 14:35

Raw Sample Received by: JD WC

Raw Sample Relinquished by: CP SM

Date/Time 05-14-25 18:00

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JD WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168026

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/15/2025
Matrix :	Water			**Extraction Start Time :**	12:00
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	05/15/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	17:00
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**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	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2611
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 & >11 with10N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/15/25	RS (Ext lab)	RC/SVOC
17:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168026

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/15/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167994TB	PB167994TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB168026BL	PB168026BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB168026BS	PB168026BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2019-04	MH-K	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2019-04MS	MH-KMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2019-04MSD	MH-KMSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2020-04	TP-A	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2027-03	B27-SOIL-SAMPLE	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q2027-04	B28-SOIL-SAMPLE	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q2032-09	COMP-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q2034-04	L3-WC-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q2034-08	L3-WC-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q2034-12	L3-WC-3	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q2034-16	L3-WC-4	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q2034-20	L3-WC-5	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q2034-24	L3-WC-6	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q2038-02	72-11991	TCLP BNA	100	6	RUPESH	ritesh	1	A		SEP-1
Q2048-04	L2-WC-1	TCLP BNA	100	6	RUPESH	ritesh	1	A		2
Q2048-08	L2-WC-2	TCLP BNA	100	6	RUPESH	ritesh	1	A		3
Q2048-12	L2-WC-3	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2048-16	L2-WC-4	TCLP BNA	100	6	RUPESH	ritesh	1	A		5

RS 5/15

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167994

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167994TB	LEB994	18	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q2019-04	MH-K	01	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q2020-04	TP-A	02	100.02	2000	N/A	N/A	N/A	6.0	1.5	T-1
Q2023-02	HEATER-PAD	03	100.03	2000	N/A	N/A	N/A	12.0	1.0	T-1
Q2027-03	B27-SOIL-SAMPLE	04	100.04	2000	N/A	N/A	N/A	9.1	1.0	T-1
Q2027-04	B28-SOIL-SAMPLE	05	100.02	2000	N/A	N/A	N/A	10.0	1.5	T-1
Q2032-09	COMP-1	06	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-04	L3-WC-1	07	100.02	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q2034-08	L3-WC-2	08	100.01	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2034-12	L3-WC-3	09	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q2034-16	L3-WC-4	10	100.03	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q2034-20	L3-WC-5	11	100.04	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q2034-24	L3-WC-6	12	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q2038-02	72-11991	13	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q2048-04	L2-WC-1	14	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-2
Q2048-08	L2-WC-2	15	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q2048-12	L2-WC-3	16	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q2048-16	L2-WC-4	17	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-2

05/15/25
11:45

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. Q2032
COC Number 2047011

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER, NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732-590-4679

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ Level 2 (Results + QC)
- ☒ NJ Reduced ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 TCL VOC
2 TCL SVOC
3 METALS
4 PCB
5 PESTICIDES
6 HERBICIDES
7 DRO/GRO
8 FULL TCLP
9 RCRA CHARAL

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	TP-11	SOIL		X	5/13/25	0830	6	X	X	X	X	X	X	X			E
2.	TP-29	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
3.	TP-29-99	SOIL		X	5/13/25	1010	6	X	X	X	X	X	X	X			E
4.	TP-24	SOIL		X	5/13/25	1130	18	X	X	X	X	X	X	X			E; MS/MSD
5.	TP-37	SOIL		X	5/13/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-32	SOIL		X	5/13/25	1330	6	X	X	X	X	X	X	X			E
7.	COMP-1	SOIL	X		5/13/25	1405	4								X	X	E
8.	FB-05132025	Aqueous		X	5/13/25	1445	10	X	X	X	X	X	X	X			E,A,B
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5/13/25 1505	1. 1505 5-13-25
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1626 5-13-25	RECEIVED BY:
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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 : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2032-01	TP-11	Solid	05/13/2025	08:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-02	TP-29	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-03	TP-29-99	Solid	05/13/2025	10:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-04	TP-24	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-05	Q2032-04MS	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-06	Q2032-04MSD	Solid	05/13/2025	11:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-07	TP-37	Solid	05/13/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-08	TP-32	Solid	05/13/2025	13:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2032 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/13/2025 4:01:00 PM
Project Name : South River WM Replacem
Receive DateTime : 5/13/2025 4:20:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2032-11	FB-05132025	Water	05/13/2025	14:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2032-12	TB	Water	05/13/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 5/14/25 0940

Received By : Sam
Date / Time : 5/14/24 9:40
Storage Area : VOA Refridgerator Room

RJH 4
RJH 6
RJH 2