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

Cover Page

Order ID : Q2600

Project ID : Kingsland Point Park Water Main

Client : T&A Construction Inc

Lab Sample Number	Client Sample Number
Q2600-01	TRENCH
Q2600-02	TRENCH
Q2600-03	TRENCH
Q2600-04	TRENCH
Q2600-05	STOCK-PILE
Q2600-06	STOCK-PILE
Q2600-07	STOCK-PILE
Q2600-08	STOCK-PILE
Q2600-09	END-OF-TRENCH
Q2600-10	END-OF-TRENCH
Q2600-11	END-OF-TRENCH
Q2600-12	END-OF-TRENCH

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: 7/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

T&A Construction Inc
Project Name: Kingsland Point Park Water Main
Project # N/A
Order ID # Q2600
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 07/14/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP BNA. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA.. The analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The % RSD is greater than 20% in the Initial Calibration (8270-BF071525.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BM070825.M) for 2,4-Dinitrotoluene,this compound is passing on Linear Regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2600**

	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: **PRATHA PARGHI** **Date:** **07/25/2025**

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

LAB CHRONICLE

OrderID:	Q2600	**OrderDate:**	7/14/2025 2:21:01 PM
Client:	T&A Construction Inc	**Project:**	Kingsland Point Park Water Main
Contact:	Garrett Johnson	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2600-01	**TRENCH**	**SOIL**			**07/14/25**			**07/14/25**
			SVOC-TCL BNA -20	8270E		07/15/25	07/16/25	
Q2600-02	**TRENCH**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP BNA	8270E		07/16/25	07/16/25	
Q2600-05	**STOCK-PILE**	**SOIL**			**07/14/25**			**07/14/25**
			SVOC-TCL BNA -20	8270E		07/15/25	07/16/25	
Q2600-06	**STOCK-PILE**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP BNA	8270E		07/16/25	07/16/25	
Q2600-09	**END-OF-TRENCH**	**SOIL**			**07/14/25**			**07/14/25**
			SVOC-TCL BNA -20	8270E		07/15/25	07/16/25	
Q2600-10	**END-OF-TRENCH**	**TCLP**			**07/14/25**			**07/14/25**
			TCLP BNA	8270E		07/16/25	07/17/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2600

Client: T&A Construction Inc

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

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

Surrogate Summary

SW-846

SDG No.: Q2600

Client: T&A Construction Inc

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168847TB	PB168847TB	2-Fluorophenol	150	115	77		23	138
		Phenol-d6	150	114	76		10	134
		Nitrobenzene-d5	100	85.0	85		67	132
		2-Fluorobiphenyl	100	73.8	74		52	132
		2,4,6-Tribromophenol	150	134	90		44	137
		Terphenyl-d14	100	84.3	84		42	152
PB168885BL	PB168885BL	2-Fluorophenol	150	133	89		23	138
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	82.7	83		67	132
		2-Fluorobiphenyl	100	80.1	80		52	132
		2,4,6-Tribromophenol	150	157	105		44	137
		Terphenyl-d14	100	86.6	87		42	152
PB168885BS	PB168885BS	2-Fluorophenol	150	129	86		23	138
		Phenol-d6	150	130	87		10	134
		Nitrobenzene-d5	100	76.8	77		67	132
		2-Fluorobiphenyl	100	73.5	74		52	132
		2,4,6-Tribromophenol	150	150	100		44	137
		Terphenyl-d14	100	76.8	77		42	152
Q2592-02MS	WC-SOIL-20250711MS	2-Fluorophenol	150	99.9	67		23	138
		Phenol-d6	150	95.0	63		10	134
		Nitrobenzene-d5	100	80.6	81		67	132
		2-Fluorobiphenyl	100	68.4	68		52	132
		2,4,6-Tribromophenol	150	126	84		44	137
		Terphenyl-d14	100	69.6	70		42	152
Q2592-02MSD	WC-SOIL-20250711MSD	2-Fluorophenol	150	100	67		23	138
		Phenol-d6	150	96.3	64		10	134
		Nitrobenzene-d5	100	82.6	83		67	132
		2-Fluorobiphenyl	100	68.6	69		52	132
		2,4,6-Tribromophenol	150	127	85		44	137
		Terphenyl-d14	100	68.7	69		42	152
Q2600-02	TRENCH	2-Fluorophenol	150	106	70		23	138
		Phenol-d6	150	98.4	66		10	134
		Nitrobenzene-d5	100	84.9	85		67	132
		2-Fluorobiphenyl	100	70.9	71		52	132
		2,4,6-Tribromophenol	150	132	88		44	137
		Terphenyl-d14	100	79.0	79		42	152
Q2600-06	STOCK-PILE	2-Fluorophenol	150	102	68		23	138
		Phenol-d6	150	94.9	63		10	134
		Nitrobenzene-d5	100	81.8	82		67	132
		2-Fluorobiphenyl	100	70.0	70		52	132
		2,4,6-Tribromophenol	150	123	82		44	137
		Terphenyl-d14	100	78.2	78		42	152
Q2600-10	END-OF-TRENCH	2-Fluorophenol	150	108	72		23	138
		Phenol-d6	150	99.1	66		10	134
		Nitrobenzene-d5	100	84.3	84		67	132
		2-Fluorobiphenyl	100	71.8	72		52	132
		2,4,6-Tribromophenol	150	133	89		44	137
		Terphenyl-d14	100	79.8	80		42	152

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2600 **Analytical Method:** SW8270E

Client: T&A Construction Inc **DataFile:** BF143122.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2592-02MS		**Client Sample ID: WC-SOIL-20250711MS**									
Pyridine	500	0	290	ug/L	58				10	109	
1,4-Dichlorobenzene	500	0	360	ug/L	72				55	125	
2-Methylphenol	500	0	390	ug/L	78				60	131	
3+4-Methylphenols	500	0	390	ug/L	78				54	136	
Hexachloroethane	500	0	370	ug/L	74				19	146	
Nitrobenzene	500	0	430	ug/L	86				62	112	
Hexachlorobutadiene	500	0	390	ug/L	78				52	125	
2,4,6-Trichlorophenol	500	0	440	ug/L	88				78	112	
2,4,5-Trichlorophenol	500	0	430	ug/L	86				71	111	
2,4-Dinitrotoluene	500	0	460	ug/L	92				74	137	
Hexachlorobenzene	500	0	430	ug/L	86				72	115	
Pentachlorophenol	1000	0	750	ug/L	75				52	162	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2600 **Analytical Method:** SW8270E

Client: T&A Construction Inc **DataFile:** BF143123.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2592-02MSD		**Client Sample ID: WC-SOIL-20250711MSD**									
Pyridine	500	0	290	ug/L	58	0			10	109	20
1,4-Dichlorobenzene	500	0	360	ug/L	72	0			55	125	20
2-Methylphenol	500	0	400	ug/L	80	3			60	131	20
3+4-Methylphenols	500	0	400	ug/L	80	3			54	136	20
Hexachloroethane	500	0	380	ug/L	76	3			19	146	20
Nitrobenzene	500	0	430	ug/L	86	0			62	112	20
Hexachlorobutadiene	500	0	390	ug/L	78	0			52	125	20
2,4,6-Trichlorophenol	500	0	440	ug/L	88	0			78	112	20
2,4,5-Trichlorophenol	500	0	430	ug/L	86	0			71	111	20
2,4-Dinitrotoluene	500	0	470	ug/L	94	2			74	137	20
Hexachlorobenzene	500	0	440	ug/L	88	2			72	115	20
Pentachlorophenol	1000	0	710	ug/L	71	5			52	162	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2600 **Analytical Method:** 8270E

Client: T&A Construction Inc **DataFile:** BM050476.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168885BS	Pyridine	50	39.1	ug/L	78				29	97	
	1,4-Dichlorobenzene	50	43.0	ug/L	86				76	103	
	2-Methylphenol	50	47.4	ug/L	95				69	109	
	3+4-Methylphenols	50	47.8	ug/L	96				67	106	
	Hexachloroethane	50	43.1	ug/L	86				76	118	
	Nitrobenzene	50	44.3	ug/L	89				58	106	
	Hexachlorobutadiene	50	44.8	ug/L	90				69	101	
	2,4,6-Trichlorophenol	50	50.9	ug/L	102				61	110	
	2,4,5-Trichlorophenol	50	51.7	ug/L	103				70	106	
	2,4-Dinitrotoluene	50	49.2	ug/L	98				60	115	
	Hexachlorobenzene	50	47.8	ug/L	96				73	106	
	Pentachlorophenol	100	110	ug/L	110				47	114	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168885BL

Lab Name: Alliance | Contract: TACO01

Lab Code: ACE | SDG NO.: Q2600

Lab File ID: BM050475.D | Lab Sample ID: PB168885BL

Instrument ID: BNA_M | Date Extracted: 07/16/2025

Matrix: (soil/water) water | Date Analyzed: 07/17/2025

Level: (low/med) LOW | Time Analyzed: 14:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168885BS	PB168885BS	BM050476.D	07/17/2025
PB168847TB	PB168847TB	BF143120.D	07/16/2025
WC-SOIL-20250711MS	Q2592-02MS	BF143122.D	07/16/2025
WC-SOIL-20250711MSD	Q2592-02MSD	BF143123.D	07/16/2025
TRENCH	Q2600-02	BF143124.D	07/16/2025
STOCK-PILE	Q2600-06	BF143125.D	07/16/2025
END-OF-TRENCH	Q2600-10	BF143126.D	07/17/2025

COMMENTS:

Raw Data: **BF143092.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: TACO01

Lab Code: ACE SDG NO.: Q2600

Lab File ID: BF143092.D DFTPP Injection Date: 07/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	29.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15
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	BF143093.D	07/15/2025	13:04
SSTDICC005	SSTDICC005	BF143094.D	07/15/2025	13:35
SSTDICC010	SSTDICC010	BF143095.D	07/15/2025	14:05
SSTDICC020	SSTDICC020	BF143096.D	07/15/2025	14:36
SSTDICCC040	SSTDICCC040	BF143097.D	07/15/2025	15:05
SSTDICC050	SSTDICC050	BF143098.D	07/15/2025	15:35
SSTDICC060	SSTDICC060	BF143099.D	07/15/2025	16:05
SSTDICC080	SSTDICC080	BF143100.D	07/15/2025	16:35

Raw Data: **BF143116.D**

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: TACO01

Lab Code: ACE SDG NO.: Q2600

Lab File ID: BF143116.D DFTPP Injection Date: 07/16/2025

Instrument ID: BNA_F DFTPP Injection Time: 19:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	31.5
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF143117.D	07/16/2025	19:39
PB168847TB	PB168847TB	BF143120.D	07/16/2025	21:09
WC-SOIL-20250711MS	Q2592-02MS	BF143122.D	07/16/2025	22:09
WC-SOIL-20250711MSD	Q2592-02MSD	BF143123.D	07/16/2025	22:38
TRENCH	Q2600-02	BF143124.D	07/16/2025	23:08
STOCK-PILE	Q2600-06	BF143125.D	07/16/2025	23:37
END-OF-TRENCH	Q2600-10	BF143126.D	07/17/2025	00:07

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

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: TACO01

Lab Code: ACE — SDG NO.: Q2600

Lab File ID: BM050376.D — DFTPP Injection Date: 07/08/2025

Instrument ID: BNA_M — DFTPP Injection Time: 11:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	10.5
442	Greater than 50% of mass 198	66.5
443	15.0 - 24.0% of mass 442	12.9 (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	BM050377.D	07/08/2025	12:39
SSTDICC005	SSTDICC005	BM050378.D	07/08/2025	13:19
SSTDICC010	SSTDICC010	BM050379.D	07/08/2025	14:00
SSTDICC020	SSTDICC020	BM050380.D	07/08/2025	14:40
SSTDICCC040	SSTDICCC040	BM050381.D	07/08/2025	15:20
SSTDICC050	SSTDICC050	BM050382.D	07/08/2025	16:01
SSTDICC060	SSTDICC060	BM050383.D	07/08/2025	16:41
SSTDICC080	SSTDICC080	BM050384.D	07/08/2025	17:22

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: TACO01

Lab Code: ACE — SDG NO.: Q2600

Lab File ID: BM050473.D — DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_M — DFTPP Injection Time: 13:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	25.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	85.5
443	15.0 - 24.0% of mass 442	16.6 (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
SSTDCCC040	SSTDCCC040	BM050474.D	07/17/2025	13:42
PB168885BL	PB168885BL	BM050475.D	07/17/2025	14:57
PB168885BS	PB168885BS	BM050476.D	07/17/2025	15:57

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2600

Client ID : SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	135149	6.969	510164	8.25	254065	10.00
	UPPER LIMIT	270298	7.469	1020330	8.751	508130	10.504
	LOWER LIMIT	67574.5	6.469	255082	7.751	127033	9.504
	EPA SAMPLE NO.						
01	WC-SOIL-20250711MS	147018	6.97	556657	8.25	279575	10.00
02	WC-SOIL-20250711MSD	155046	6.97	589623	8.25	296871	10.00
03	TRENCH	141466	6.97	534978	8.25	274969	10.00
04	STOCK-PILE	135703	6.97	519161	8.25	263439	10.00
05	END-OF-TRENCH	135635	6.97	524876	8.25	266724	10.00
06	PB168847TB	135526	6.96	521315	8.25	267383	10.00

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2600

Client ID: SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	397173	11.492	210714	14.127	255524	15.633
	UPPER LIMIT	794346	11.992	421428	14.627	511048	16.133
	LOWER LIMIT	198587	10.992	105357	13.627	127762	15.133
	EPA SAMPLE NO.						
01	WC-SOIL-20250711MS	442443	11.49	237238	14.13	283551	15.63
02	WC-SOIL-20250711MSD	461806	11.49	242870	14.13	288284	15.63
03	TRENCH	455375	11.49	246940	14.13	251795	15.63
04	STOCK-PILE	430869	11.49	225535	14.13	242433	15.63
05	END-OF-TRENCH	444795	11.49	246117	14.12	243269	15.63
06	PB168847TB	451109	11.49	235930	14.13	210500	15.63

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2600

Client ID : SSTDCCC040 Date Analyzed: 07/17/2025

Lab File ID: BM050474.D Time Analyzed: 13:42

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	523700	7.851	1980060	10.64	1283320	14.47
	UPPER LIMIT	1047400	8.351	3960120	11.139	2566640	14.974
	LOWER LIMIT	261850	7.351	990030	10.139	641660	13.974
	EPA SAMPLE NO.						
01	PB168885BL	484190	7.85	1695350	10.64	1085070	14.47
02	PB168885BS	516385	7.85	1948200	10.64	1313340	14.48

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2600

Client ID: SSTDCCC040 Date Analyzed: 07/17/2025

Lab File ID: BM050474.D Time Analyzed: 13:42

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2540660	17.209	2672210	21.433	2895080	24.456
	UPPER LIMIT	5081320	17.709	5344420	21.933	5790160	24.956
	LOWER LIMIT	1270330	16.709	1336110	20.933	1447540	23.956
	EPA SAMPLE NO.						
01	PB168885BL	2246800	17.20	2374390	21.43	2623120	24.45
02	PB168885BS	2583210	17.21	2737580	21.43	2912640	24.46

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: **BF143120.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/16/25
Project:	Kingsland Point Park Water Main	Date Received:	07/16/25
Client Sample ID:	PB168847TB	SDG No.:	Q2600
Lab Sample ID:	PB168847TB	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
BF143120.D	1	07/16/25 10:14	07/16/25 21:09	PB168885

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	115		23 - 138	77%	SPK: 150
13127-88-3	Phenol-d6	114		10 - 134	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.0		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.8		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		44 - 137	90%	SPK: 150
1718-51-0	Terphenyl-d14	84.3		42 - 152	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	136000	6.963			
1146-65-2	Naphthalene-d8	521000	8.245			
15067-26-2	Acenaphthene-d10	267000	10.004			
1517-22-2	Phenanthrene-d10	451000	11.486			
1719-03-5	Chrysene-d12	236000	14.127			
1520-96-3	Perylene-d12	211000	15.633			

Raw Data: **BF143120.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/16/25
Project:	Kingsland Point Park Water Main	Date Received:	07/16/25
Client Sample ID:	PB168847TB	SDG No.:	Q2600
Lab Sample ID:	PB168847TB	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
BF143120.D	1	07/16/25 10:14	07/16/25 21:09	PB168885

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_F\Data\BF071625\
Data File : BF143120.D
Acq On : 16 Jul 2025 21:09
Operator : RC/JU
Sample : PB168847TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Quant Time: Jul 17 03:45:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

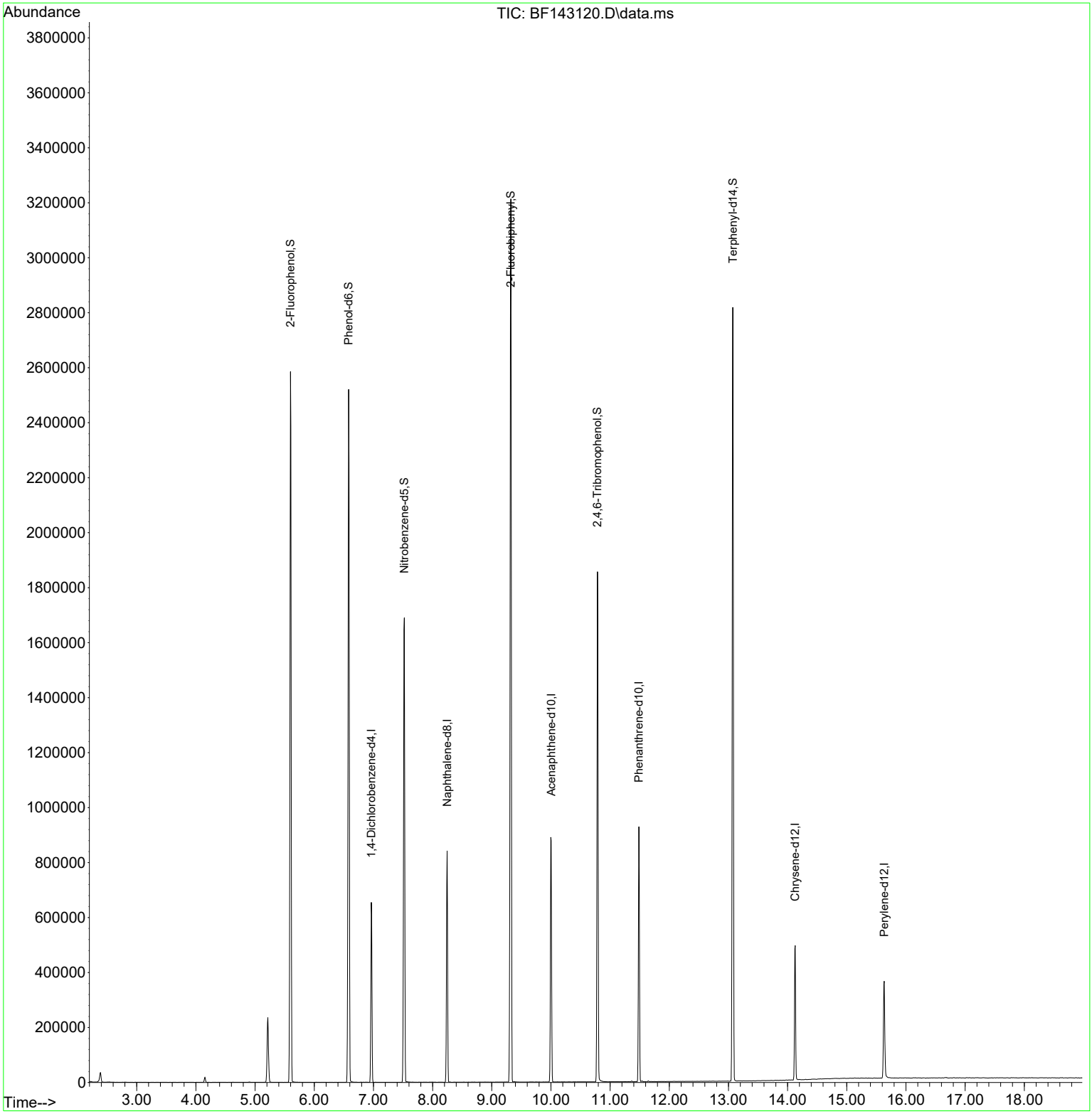
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	135526	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	521315	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	267383	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	451109	20.000	ng	0.00
76) Chrysene-d12	14.127	240	235930	20.000	ng	0.00
86) Perylene-d12	15.633	264	210500	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	985525	114.890	ng	0.01
7) Phenol-d6	6.581	99	1227503	113.842	ng	0.00
23) Nitrobenzene-d5	7.522	82	789663	84.975	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	320449	134.409	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1484404	73.796	ng	0.00
79) Terphenyl-d14	13.074	244	1360096	84.271	ng	0.00
Target Compounds						Qvalue

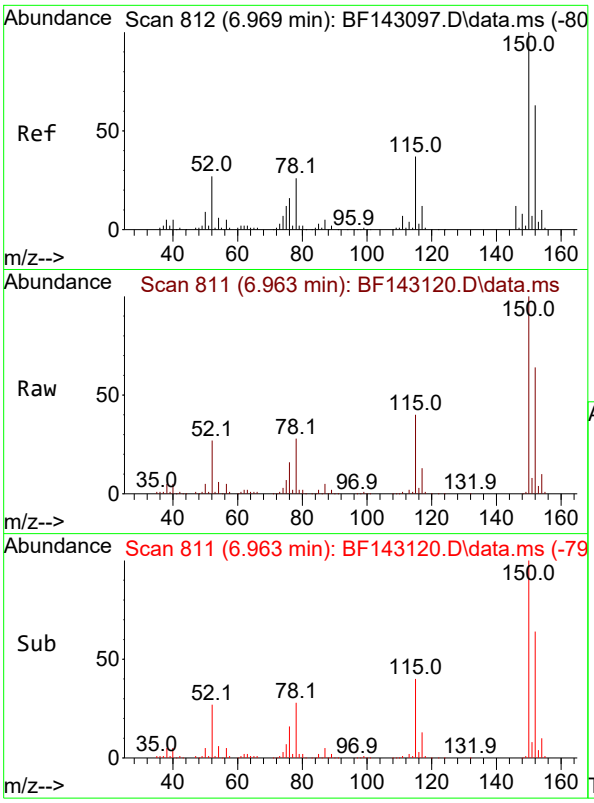
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143120.D
Acq On : 16 Jul 2025 21:09
Operator : RC/JU
Sample : PB168847TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Quant Time: Jul 17 03:45:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



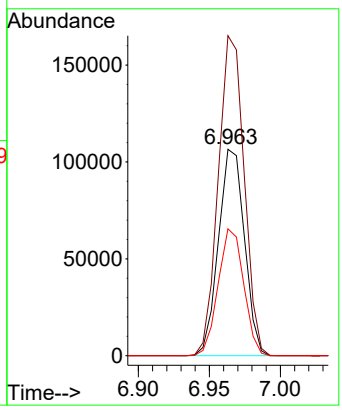


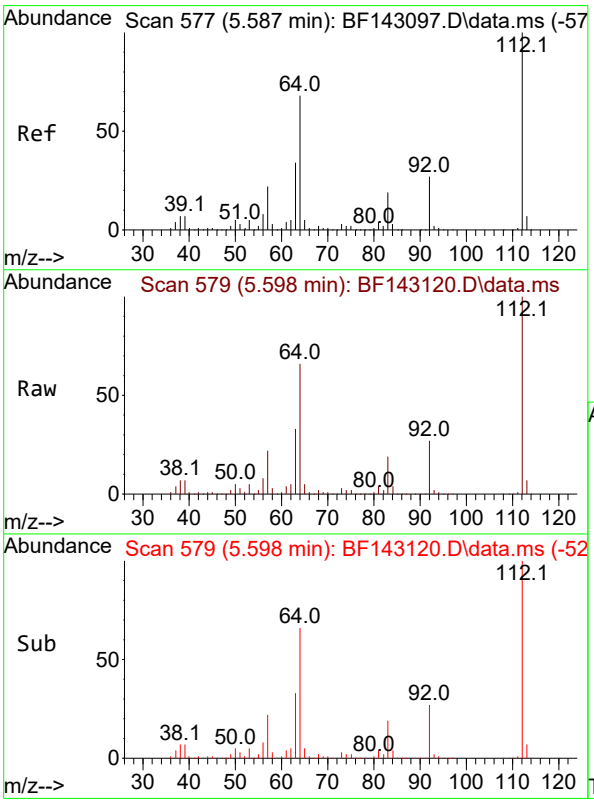
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion:152 Resp: 135526

Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.5	189.7
115	61.5	47.0	70.6

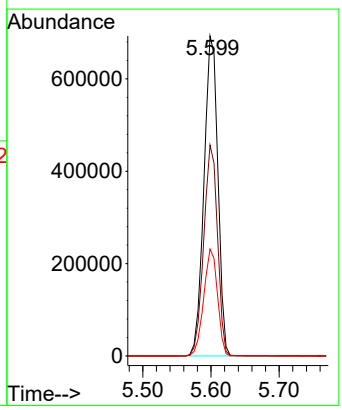


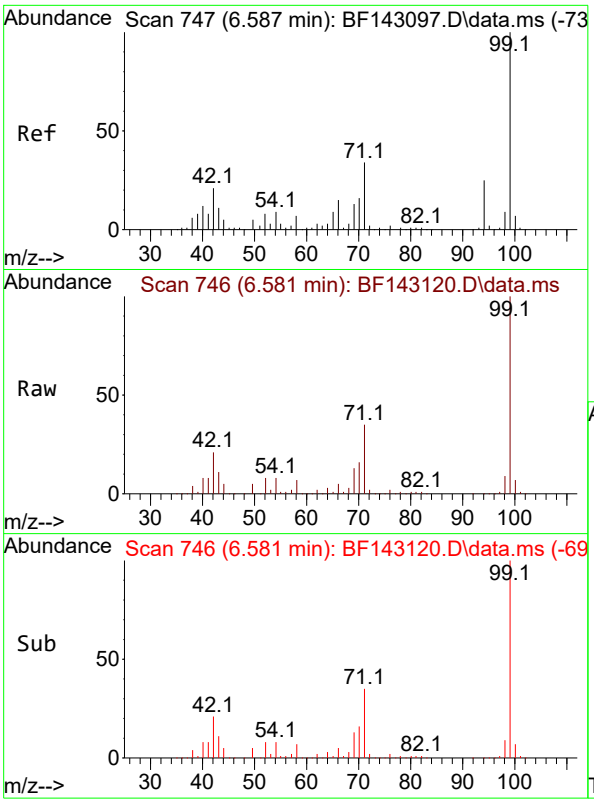


#5
2-Fluorophenol
Concen: 114.890 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:112 Resp: 985525

Ion	Ratio	Lower	Upper
112	100		
64	65.9	54.6	82.0
63	33.4	27.3	40.9



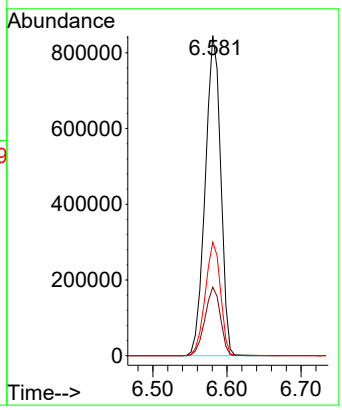


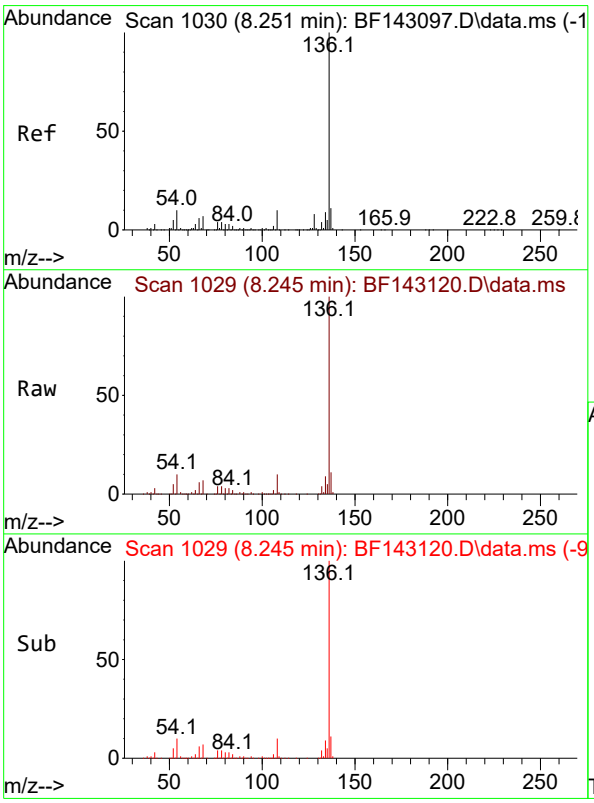
#7
Phenol-d6
Concen: 113.842 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion: 99 Resp: 1227503

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	35.4	27.4	41.0

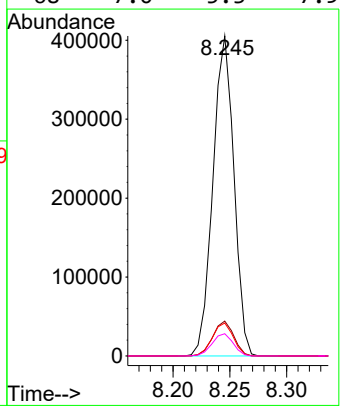


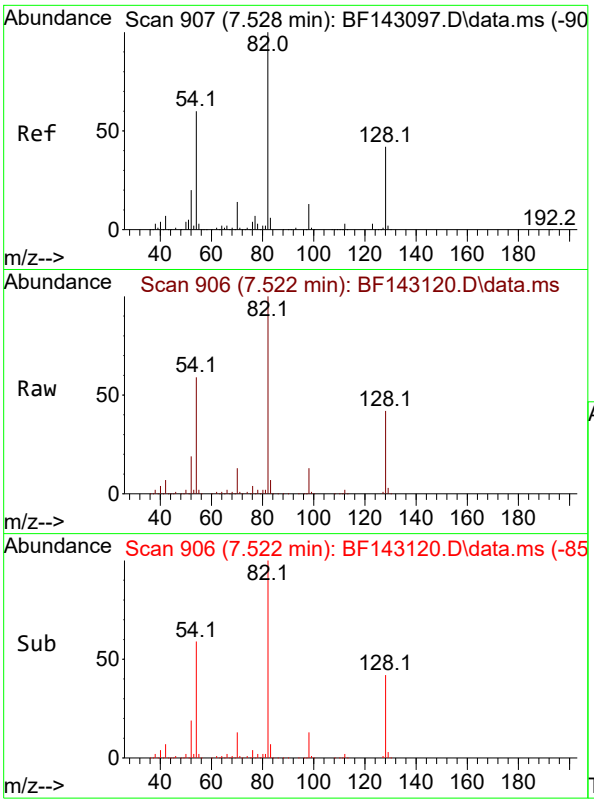


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:136 Resp: 521315

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	8.3	12.5
68	7.0	5.3	7.9



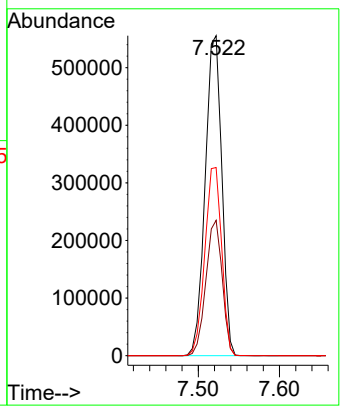


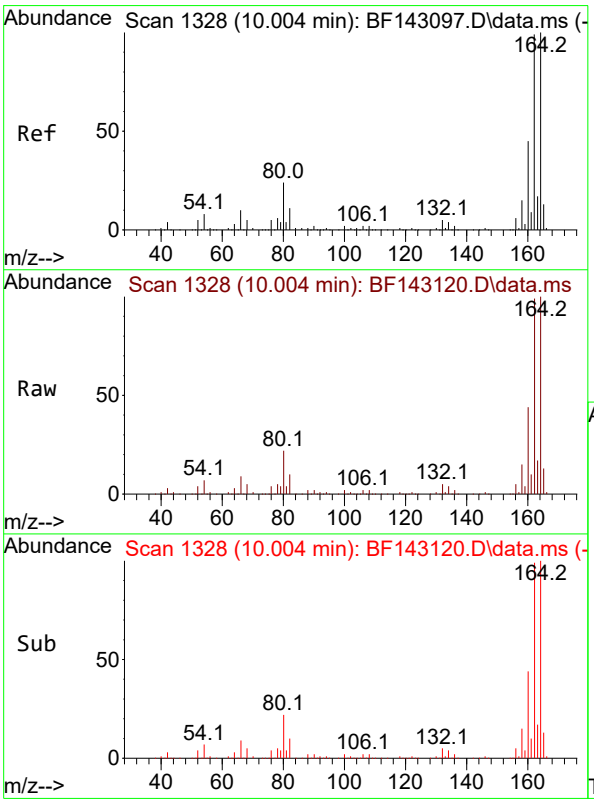
#23
Nitrobenzene-d5
Concen: 84.975 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion: 82 Resp: 789663

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.3	49.9
54	58.8	47.4	71.2

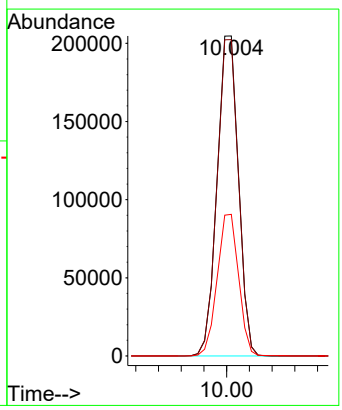


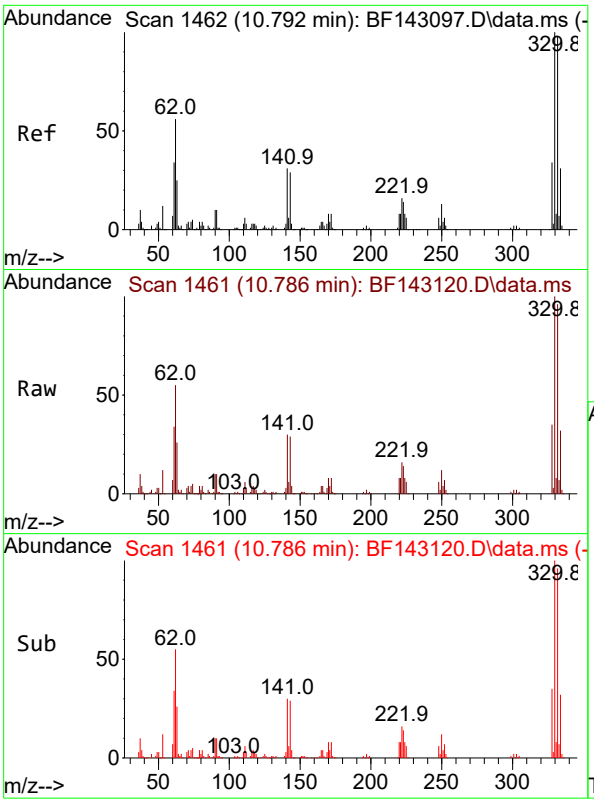


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:164 Resp: 267383

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	44.3	35.8	53.6



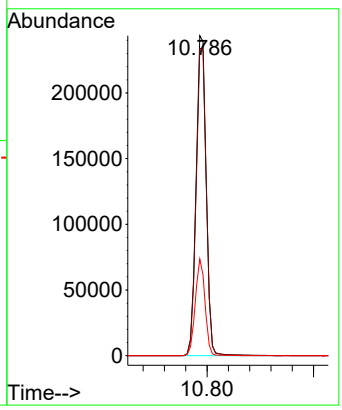


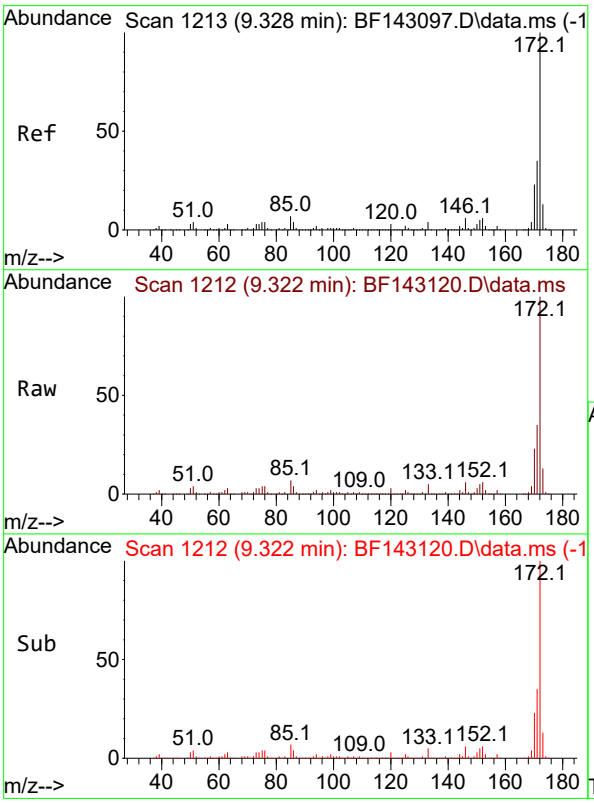
#42
2,4,6-Tribromophenol
Concen: 134.409 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion:330 Resp: 320449

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.9	116.9
141	29.2	25.9	38.9

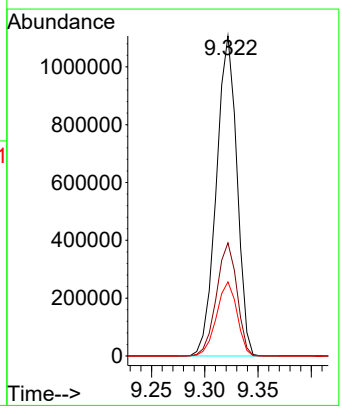


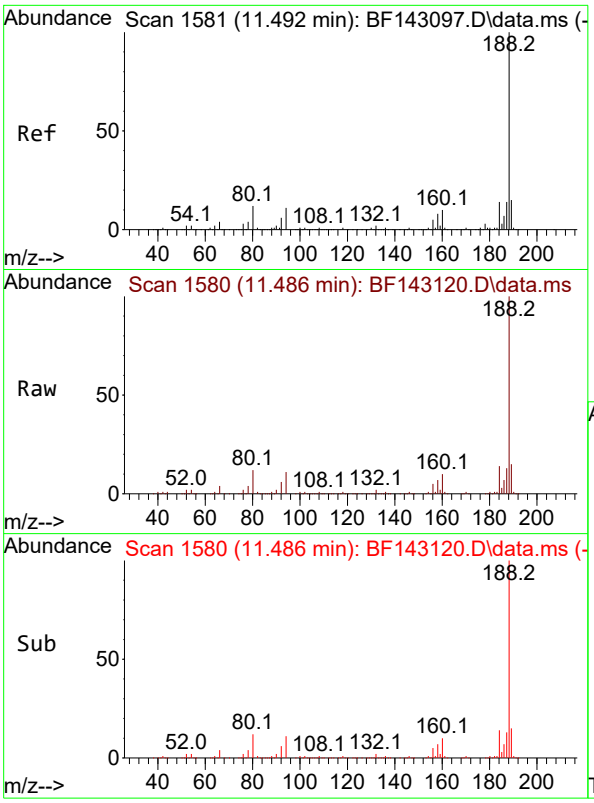


#45
2-Fluorobiphenyl
Concen: 73.796 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:172 Resp: 1484404

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.4
170	23.2	18.6	28.0



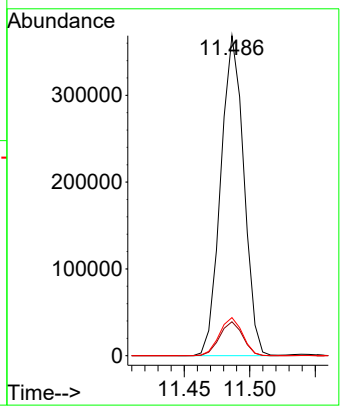


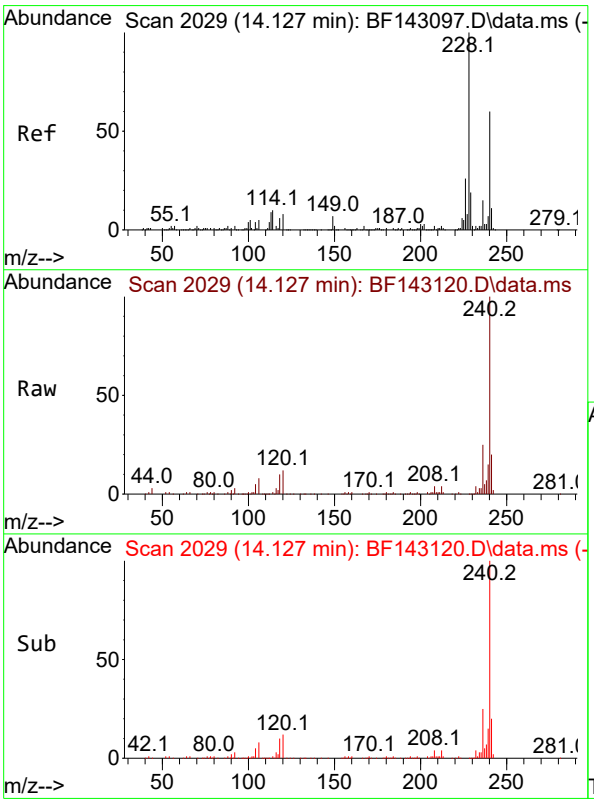
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion:188 Resp: 451109

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.9	9.3	13.9

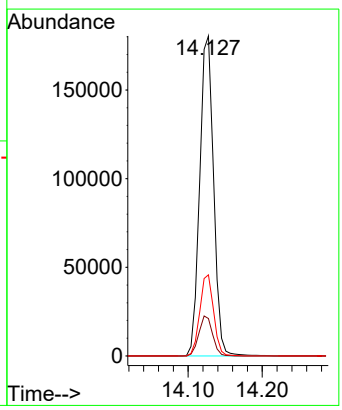


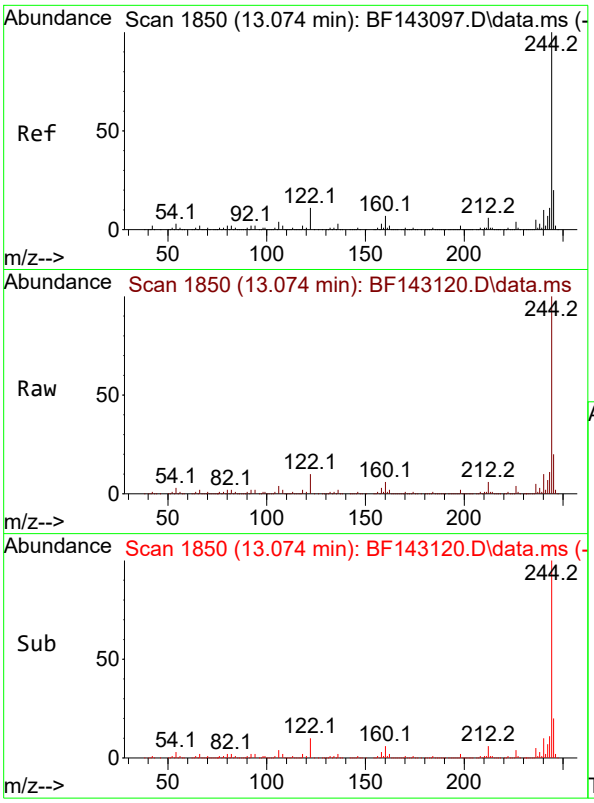


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:240 Resp: 235930

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.4	20.0	30.0



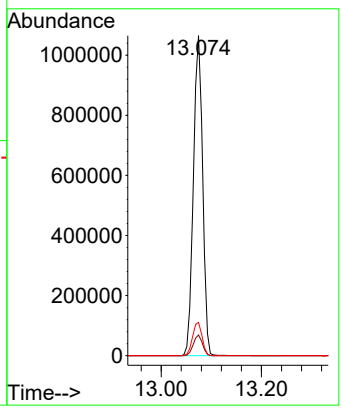


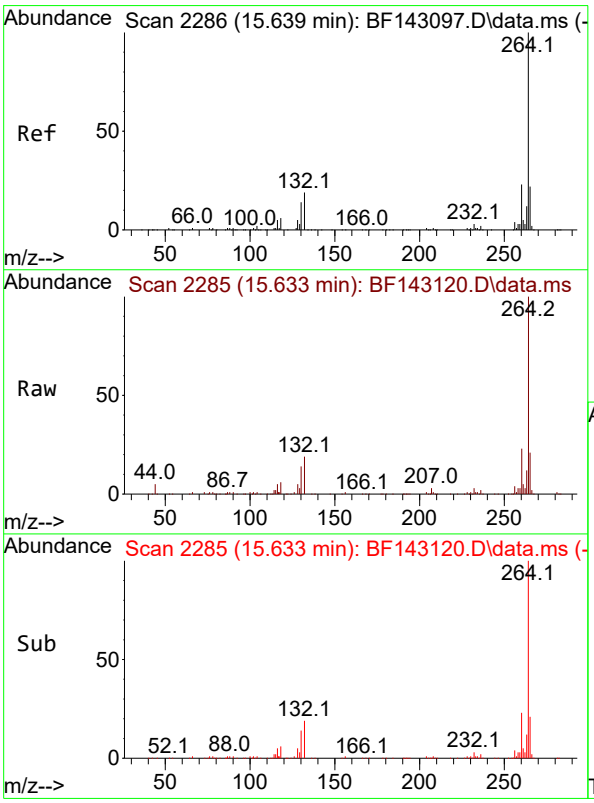
#79
Terphenyl-d14
Concen: 84.271 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Instrument :
BNA_F
ClientSampleId :
PB168847TB

Tgt Ion:244 Resp: 1360096

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.4	8.8	13.2

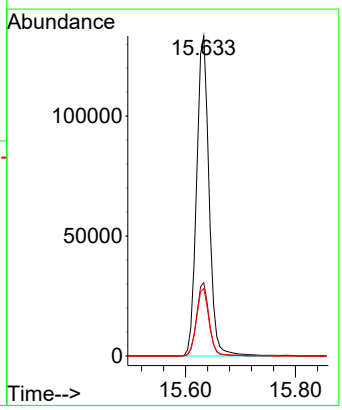




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143120.D
Acq: 16 Jul 2025 21:09

Tgt Ion:264 Resp: 210500

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.1	17.5	26.3



Raw Data: **BF143124.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-02	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
BF143124.D	1	07/16/25 10:14	07/16/25 23:08	PB168885

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	106		23 - 138	70%	SPK: 150
13127-88-3	Phenol-d6	98.4		10 - 134	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.9		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.9		52 - 132	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	79.0		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	141000	6.969			
1146-65-2	Naphthalene-d8	535000	8.245			
15067-26-2	Acenaphthene-d10	275000	10.004			
1517-22-2	Phenanthrene-d10	455000	11.486			
1719-03-5	Chrysene-d12	247000	14.127			
1520-96-3	Perylene-d12	252000	15.633			

Raw Data: **BF143124.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-02	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
BF143124.D	1	07/16/25 10:14	07/16/25 23:08	PB168885

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_F\Data\BF071625\
Data File : BF143124.D
Acq On : 16 Jul 2025 23:08
Operator : RC/JU
Sample : Q2600-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH

Quant Time: Jul 17 03:47:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

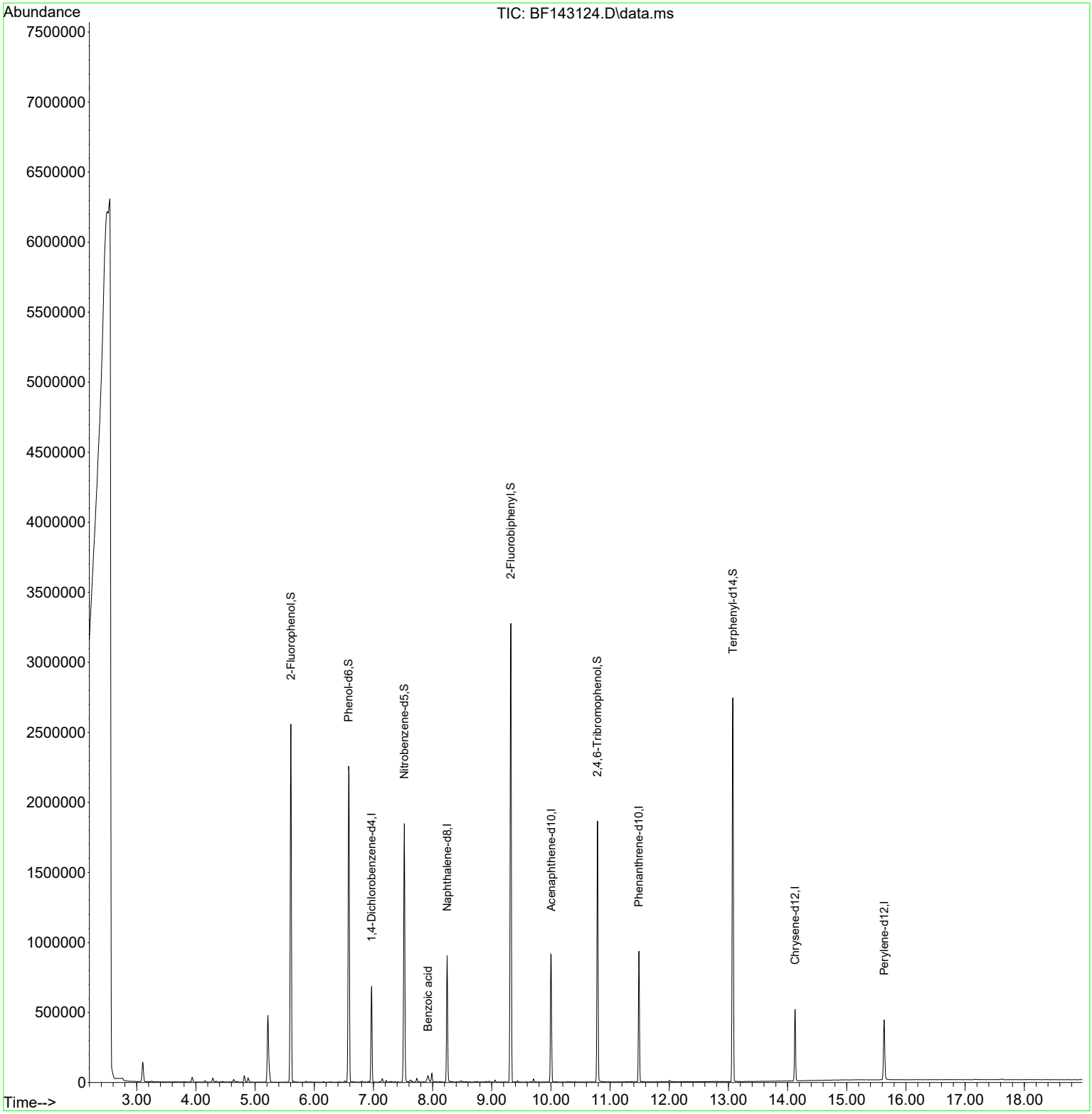
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	141466	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	534978	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274969	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	455375	20.000	ng	0.00
76) Chrysene-d12	14.127	240	246940	20.000	ng	0.00
86) Perylene-d12	15.633	264	251795	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	944976	105.538	ng	0.02
7) Phenol-d6	6.581	99	1107023	98.358	ng	0.00
23) Nitrobenzene-d5	7.522	82	809693	84.905	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	322860	131.685	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1467174	70.927	ng	0.00
79) Terphenyl-d14	13.074	244	1335063	79.032	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.922	122	14322	9.424	ng	96

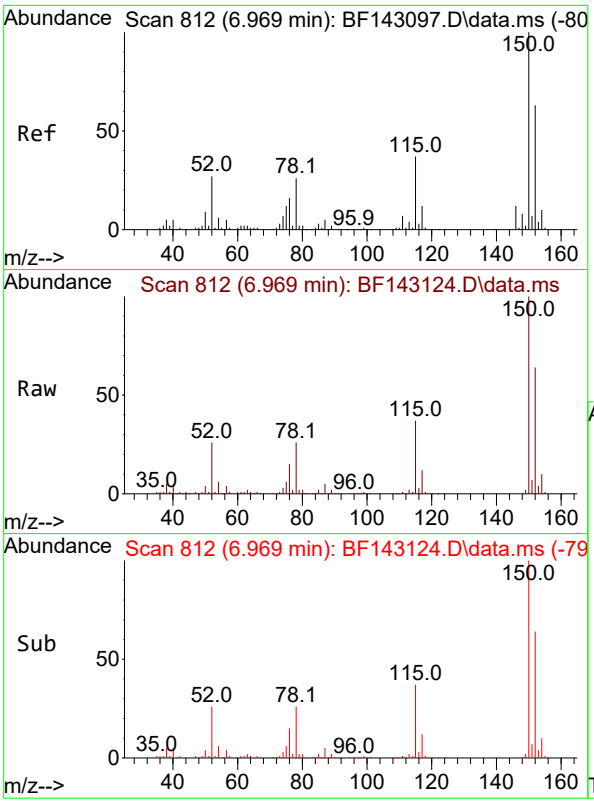
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143124.D
Acq On : 16 Jul 2025 23:08
Operator : RC/JU
Sample : Q2600-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH

Quant Time: Jul 17 03:47:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



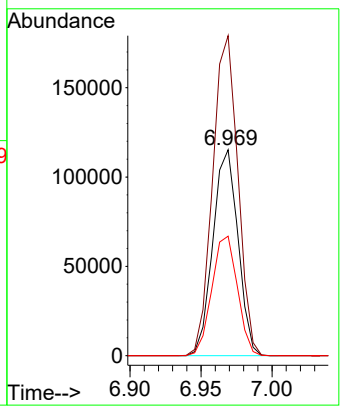


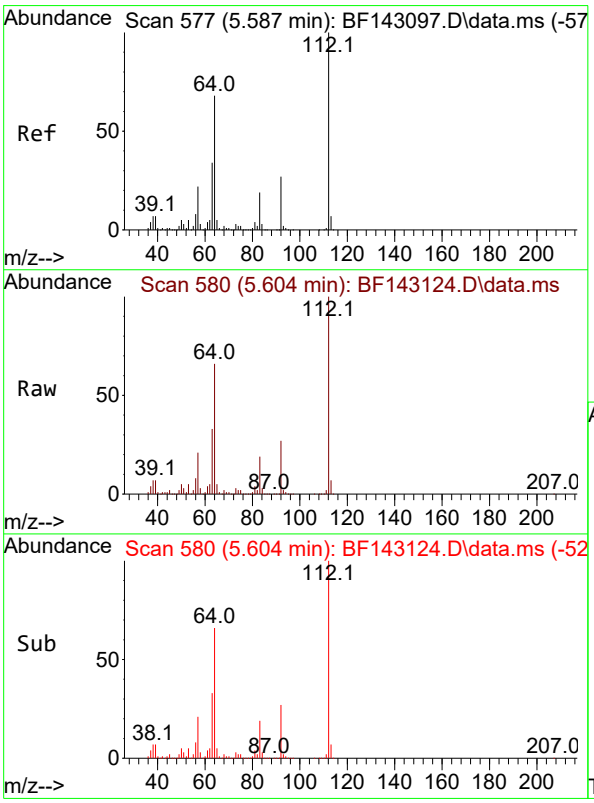
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:152 Resp: 141466

Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.5	189.7
115	58.0	47.0	70.6

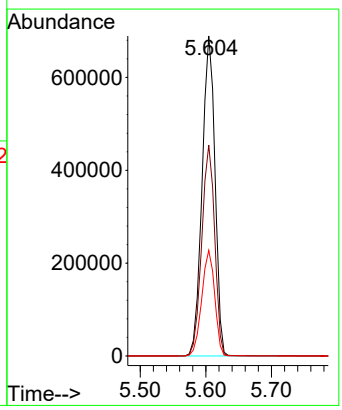


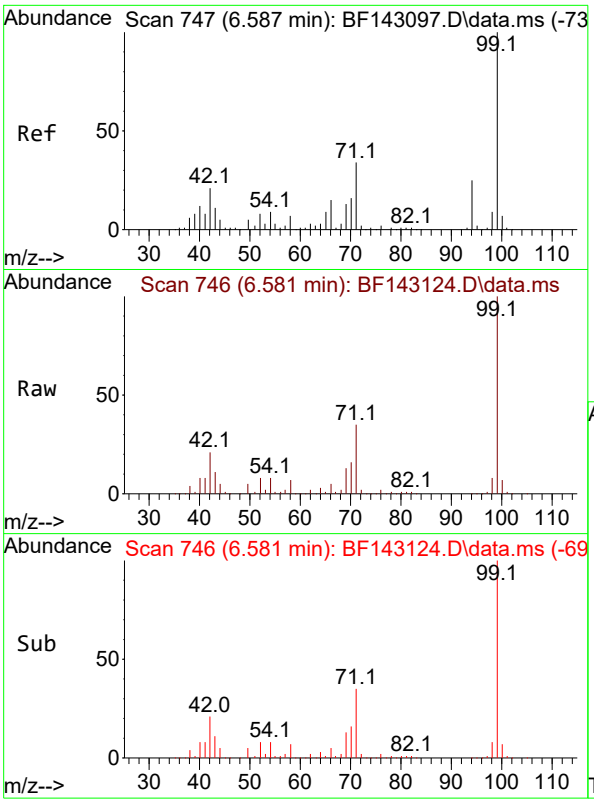


#5
2-Fluorophenol
Concen: 105.538 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:112 Resp: 944976

Ion	Ratio	Lower	Upper
112	100		
64	65.9	54.6	82.0
63	33.0	27.3	40.9



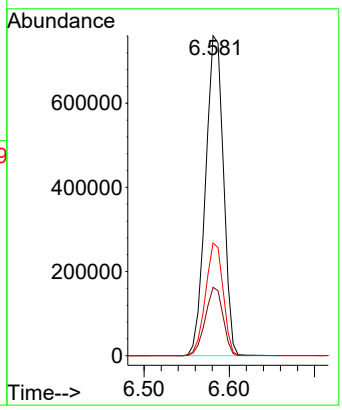


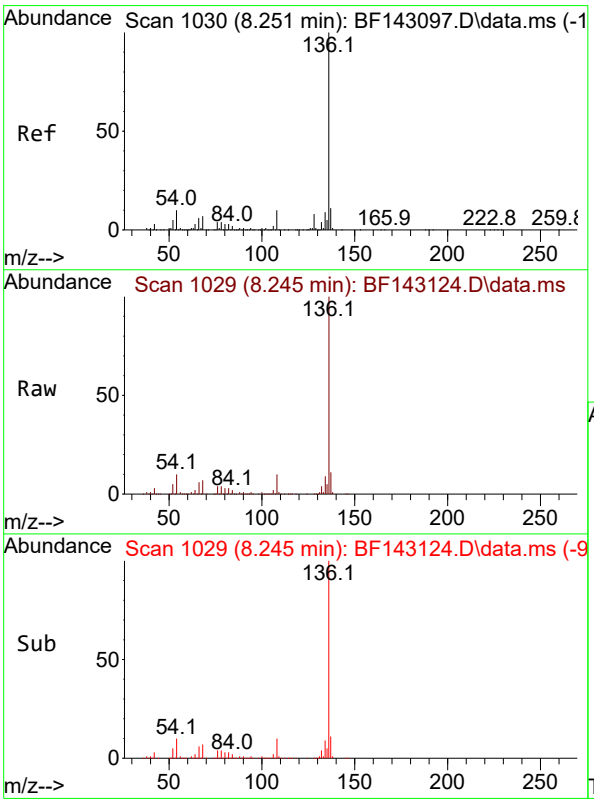
#7
Phenol-d6
Concen: 98.358 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion: 99 Resp: 1107023

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	35.2	27.4	41.0

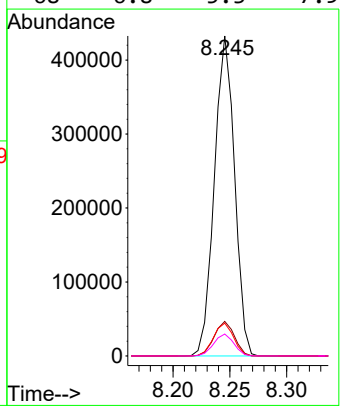


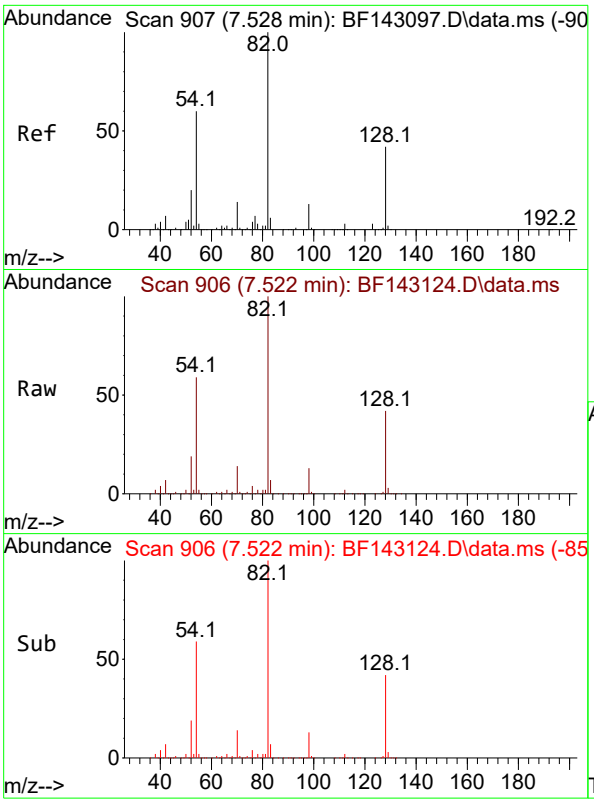


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:136 Resp: 534978

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.2	8.3	12.5
68	6.8	5.3	7.9



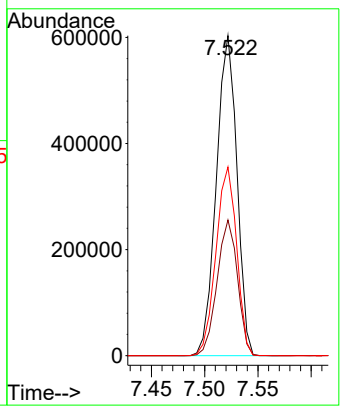


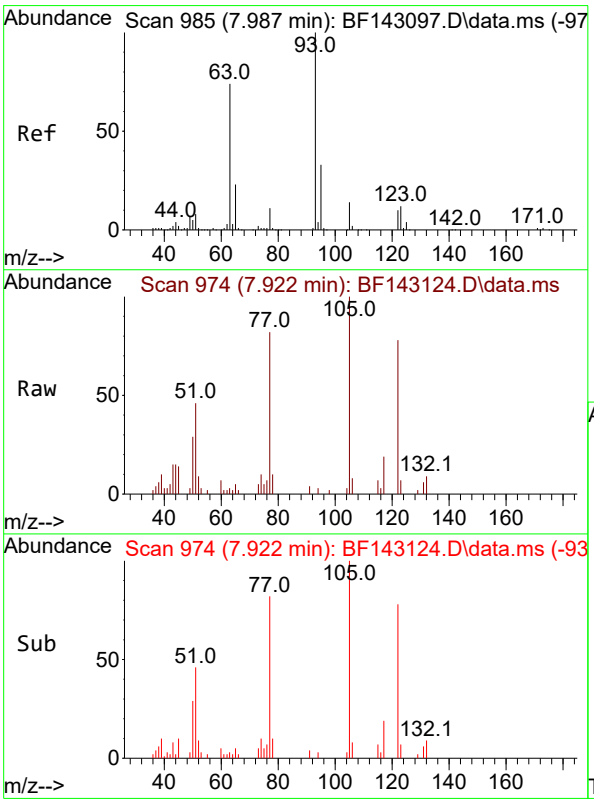
#23
Nitrobenzene-d5
Concen: 84.905 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion: 82 Resp: 809693

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	59.0	47.4	71.2

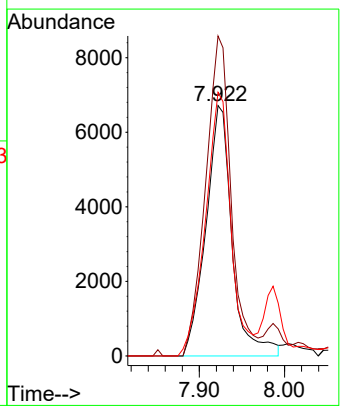


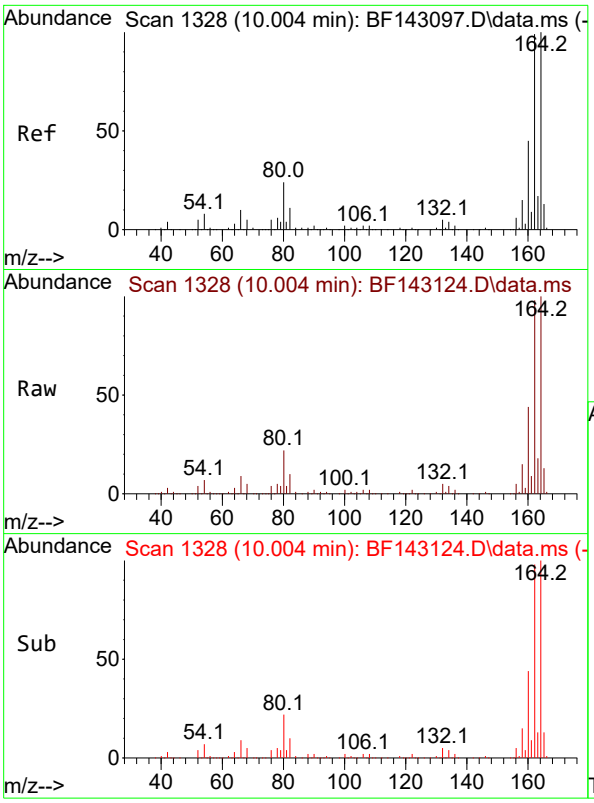


#32
Benzoic acid
Concen: 9.424 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:122 Resp: 14322

Ion	Ratio	Lower	Upper
122	100		
105	127.8	105.4	145.4
77	105.3	78.6	118.6



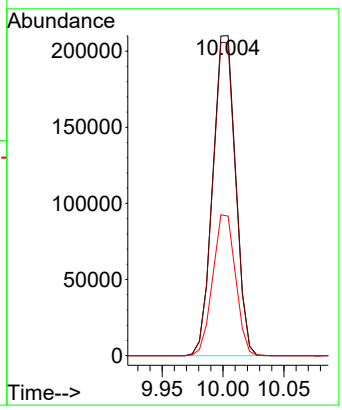


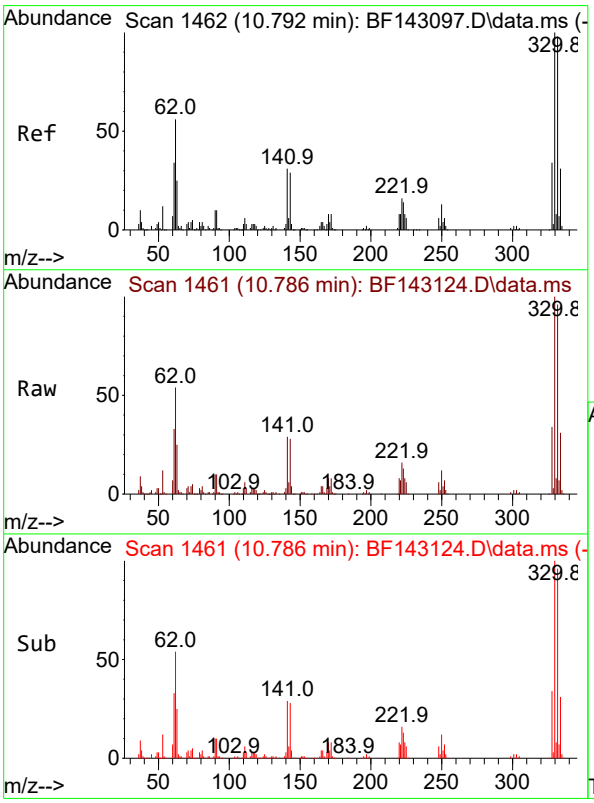
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:164 Resp: 274969

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.0	118.6
160	43.6	35.8	53.6

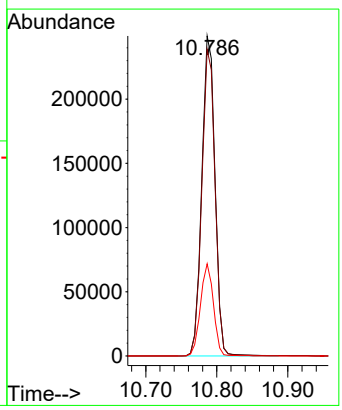


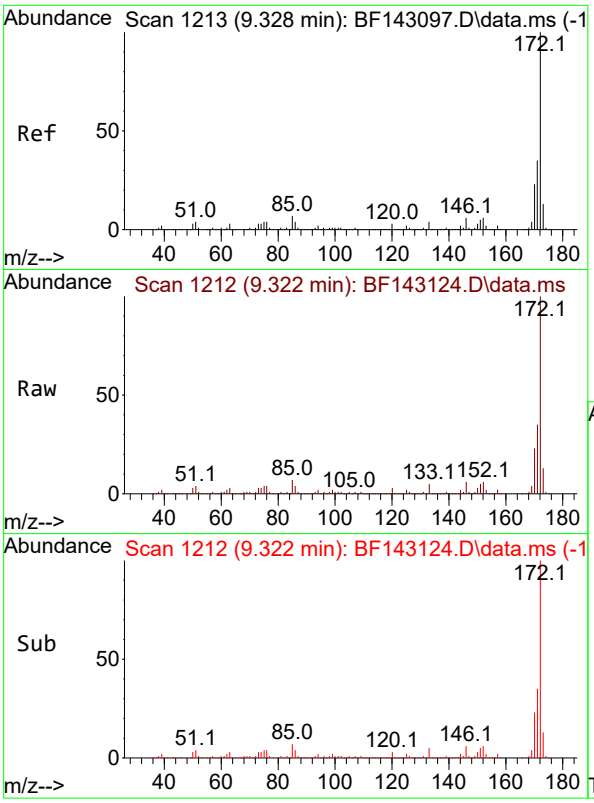


#42
2,4,6-Tribromophenol
Concen: 131.685 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:330 Resp: 322860

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.9	116.9
141	28.4	25.9	38.9



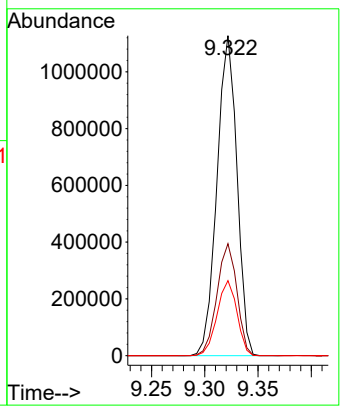


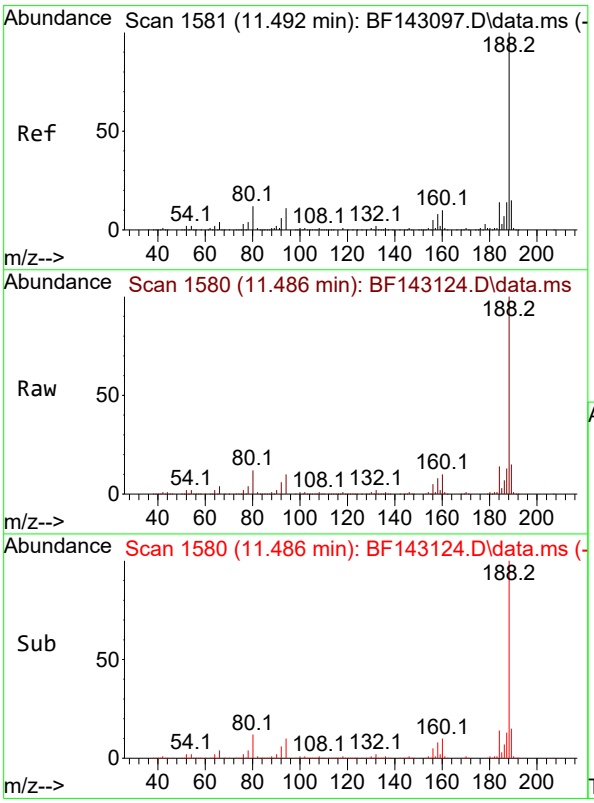
#45
2-Fluorobiphenyl
Concen: 70.927 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:172 Resp: 1467174

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.5	18.6	28.0

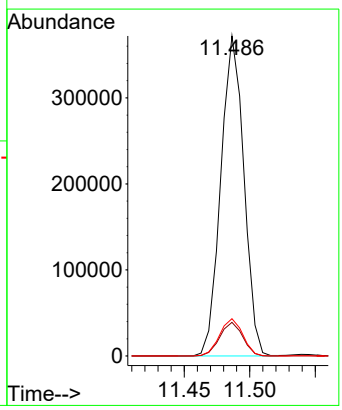


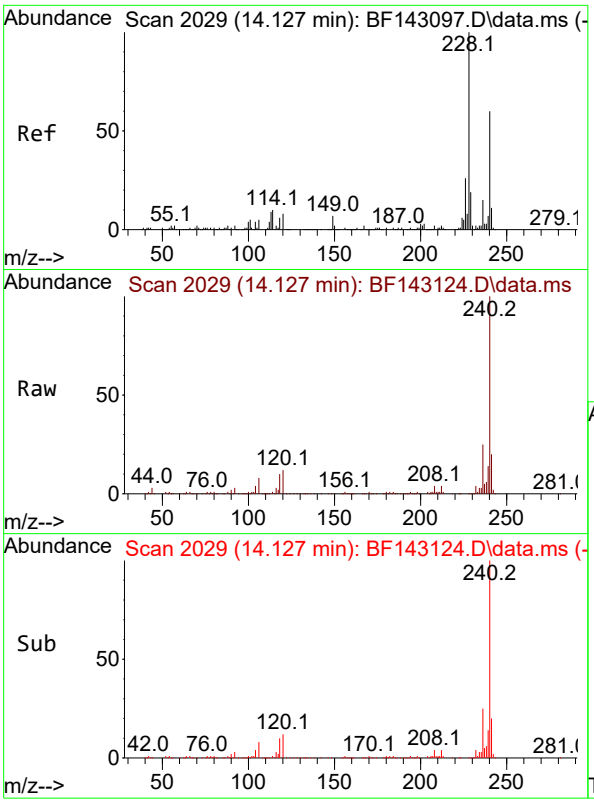


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:188 Resp: 455375

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.7	9.3	13.9



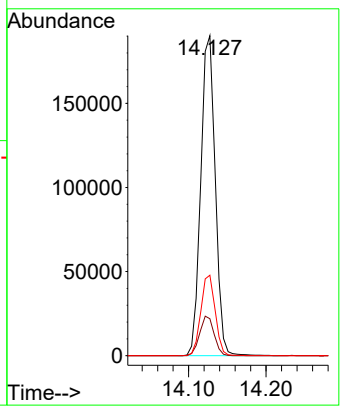


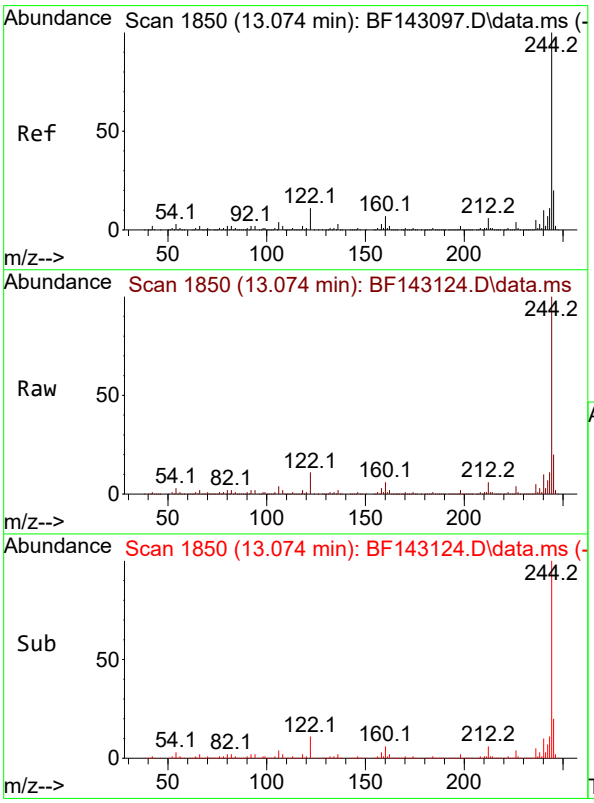
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:240 Resp: 246940

Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.0	15.0
236	25.1	20.0	30.0

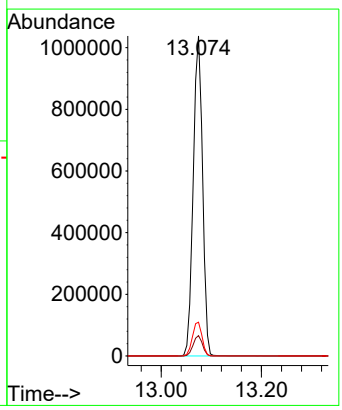


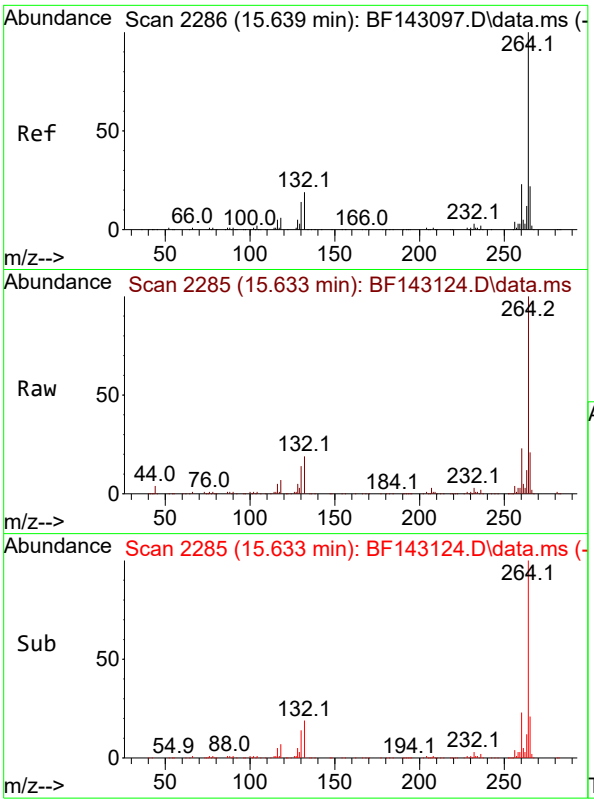


#79
Terphenyl-d14
Concen: 79.032 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Tgt Ion:244 Resp: 1335063

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.6	8.8	13.2



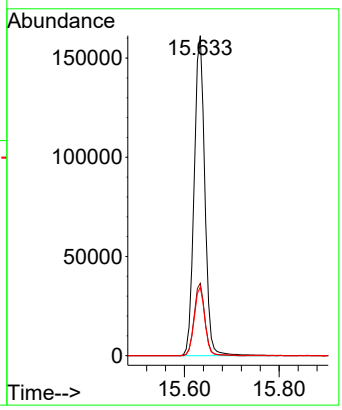


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143124.D
Acq: 16 Jul 2025 23:08

Instrument :
BNA_F
ClientSampleId :
TRENCH

Tgt Ion:264 Resp: 251795

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.3	17.5	26.3



Raw Data: **BF143125.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-06	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
BF143125.D	1	07/16/25 10:14	07/16/25 23:37	PB168885

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	102		23 - 138	68%	SPK: 150
13127-88-3	Phenol-d6	94.9		10 - 134	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.8		67 - 132	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.0		52 - 132	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		44 - 137	82%	SPK: 150
1718-51-0	Terphenyl-d14	78.2		42 - 152	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	136000	6.969			
1146-65-2	Naphthalene-d8	519000	8.245			
15067-26-2	Acenaphthene-d10	263000	9.998			
1517-22-2	Phenanthrene-d10	431000	11.486			
1719-03-5	Chrysene-d12	226000	14.127			
1520-96-3	Perylene-d12	242000	15.633			

Raw Data: **BF143125.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-06	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
BF143125.D	1	07/16/25 10:14	07/16/25 23:37	PB168885

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_F\Data\BF071625\
Data File : BF143125.D
Acq On : 16 Jul 2025 23:37
Operator : RC/JU
Sample : Q2600-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Quant Time: Jul 17 03:47:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

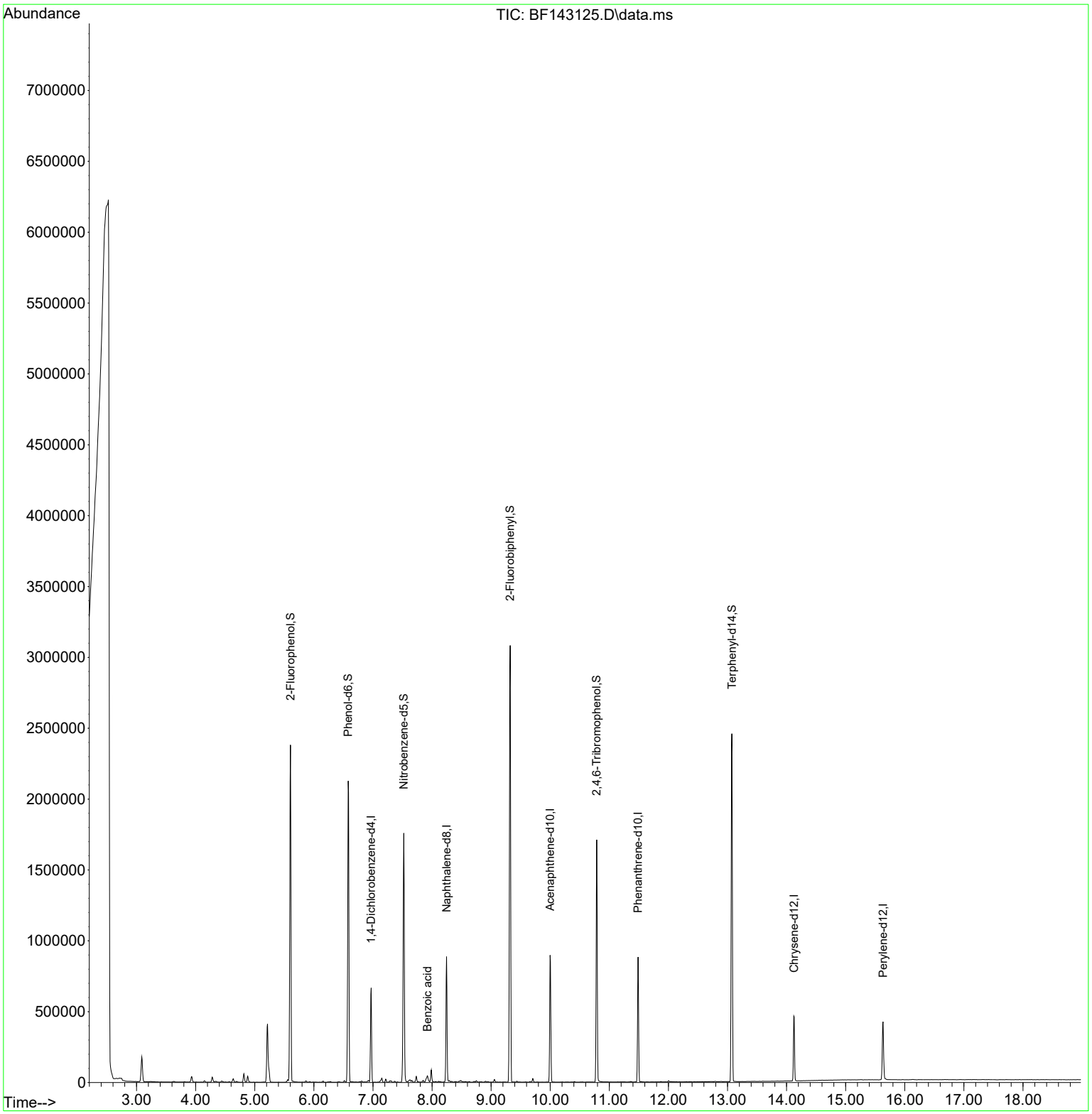
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135703	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	519161	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	263439	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	430869	20.000	ng	0.00
76) Chrysene-d12	14.127	240	225535	20.000	ng	0.00
86) Perylene-d12	15.633	264	242433	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	879190	102.360	ng	0.02
7) Phenol-d6	6.581	99	1024827	94.922	ng	0.00
23) Nitrobenzene-d5	7.522	82	756837	81.780	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	289742	123.349	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1386618	69.967	ng	0.00
79) Terphenyl-d14	13.074	244	1207177	78.243	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.922	122	12607	9.154	ng	98

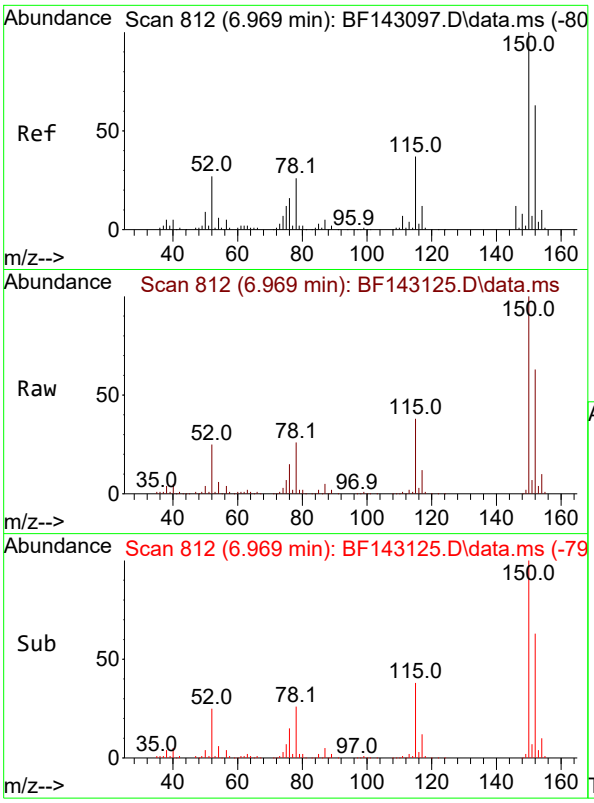
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143125.D
Acq On : 16 Jul 2025 23:37
Operator : RC/JU
Sample : Q2600-06
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Quant Time: Jul 17 03:47:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



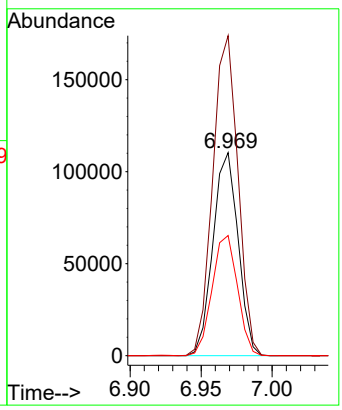


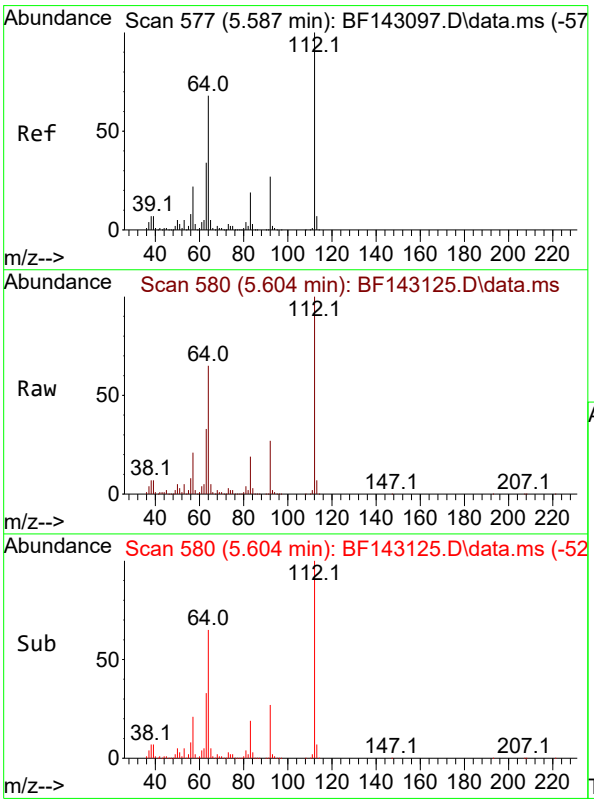
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:152 Resp: 135703

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.5	189.7
115	59.2	47.0	70.6

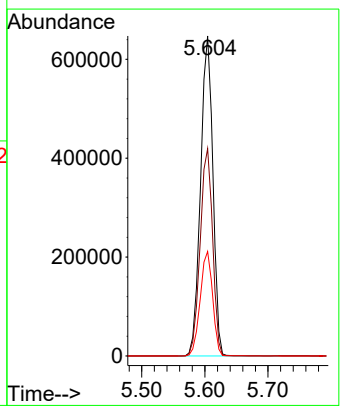


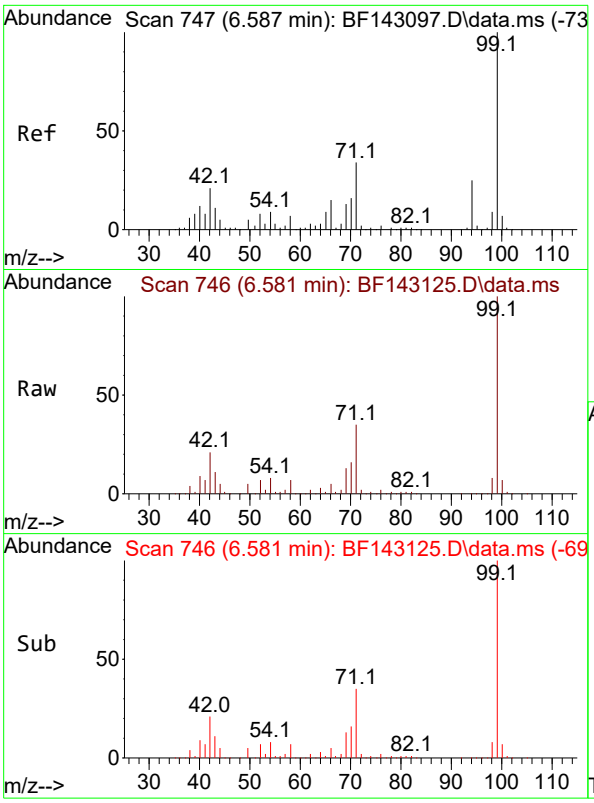


#5
2-Fluorophenol
Concen: 102.360 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:112 Resp: 879190

Ion	Ratio	Lower	Upper
112	100		
64	64.8	54.6	82.0
63	32.7	27.3	40.9



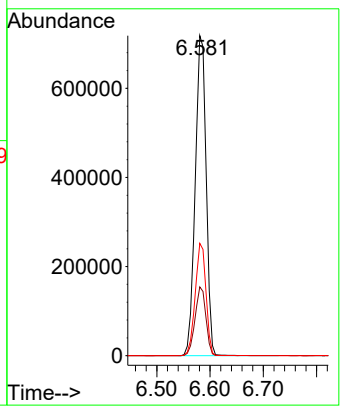


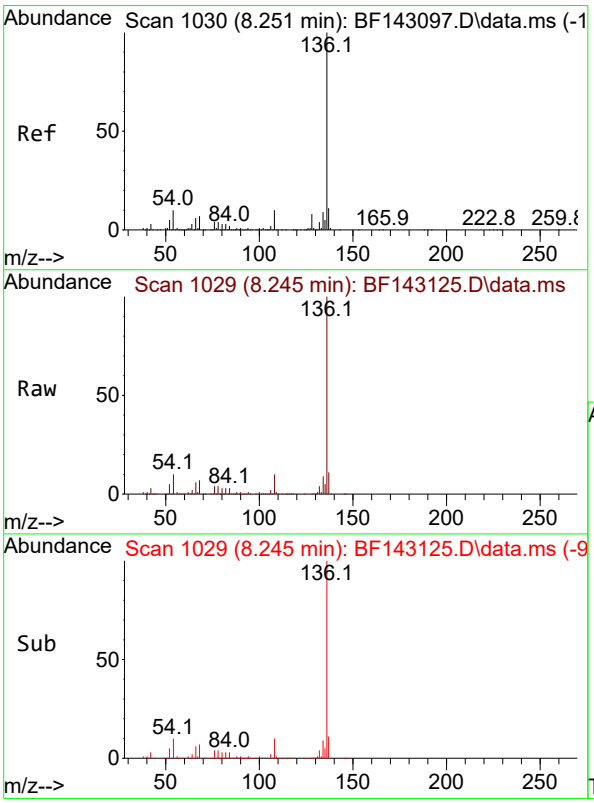
#7
Phenol-d6
Concen: 94.922 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion: 99 Resp: 1024827

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	35.1	27.4	41.0

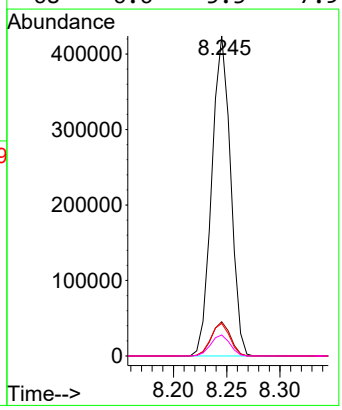


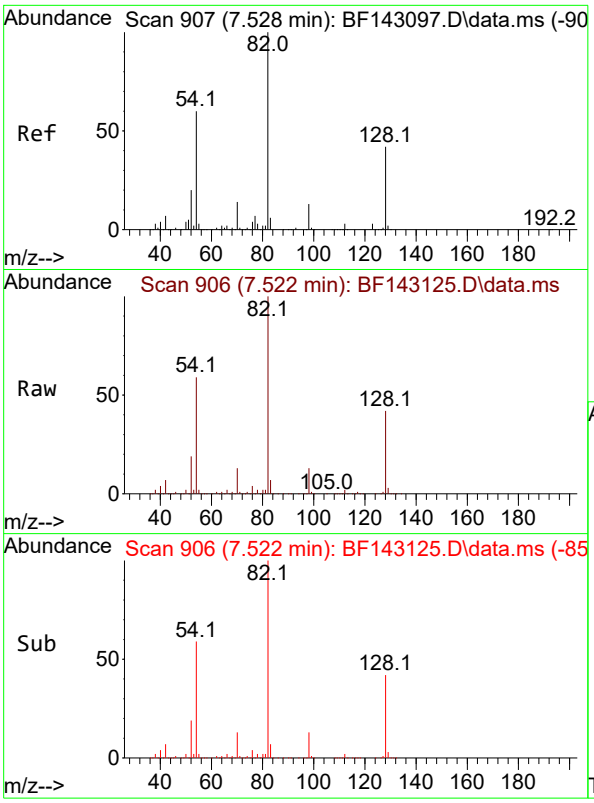


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:136 Resp: 519161

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.1	8.3	12.5
68	6.6	5.3	7.9



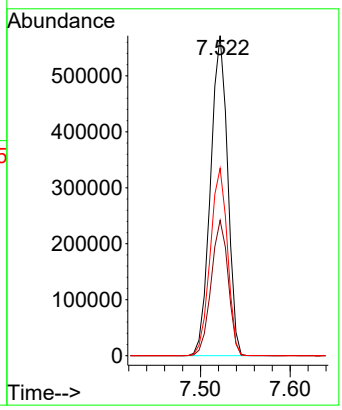


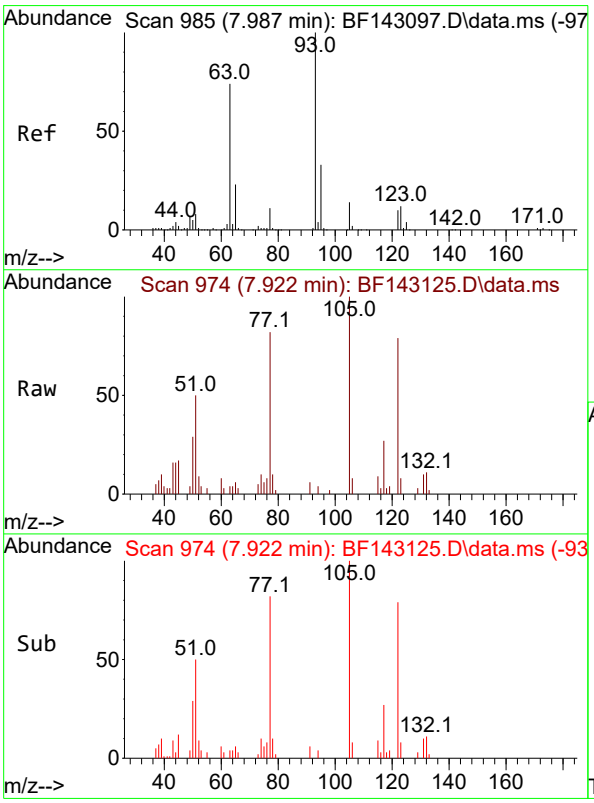
#23
Nitrobenzene-d5
Concen: 81.780 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion: 82 Resp: 756837

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.3	49.9
54	58.5	47.4	71.2

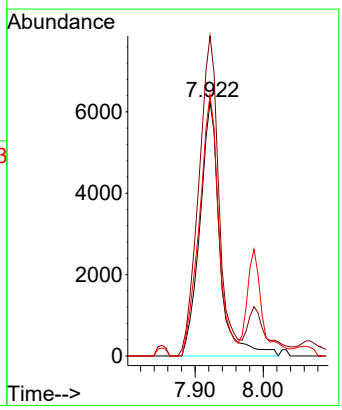


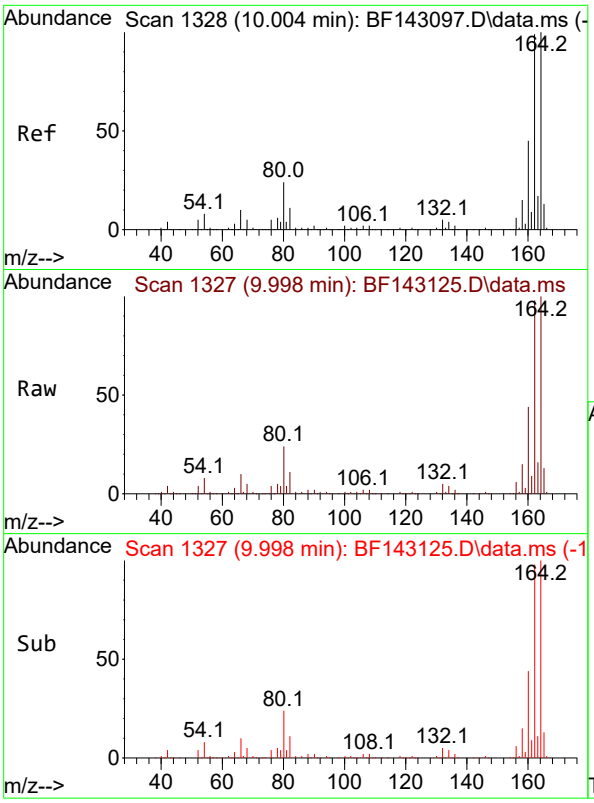


#32
Benzoic acid
Concen: 9.154 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:122 Resp: 12607

Ion	Ratio	Lower	Upper
122	100		
105	126.0	105.4	145.4
77	102.9	78.6	118.6



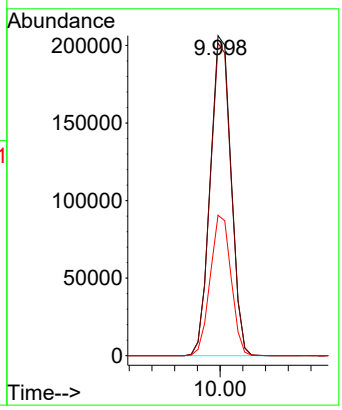


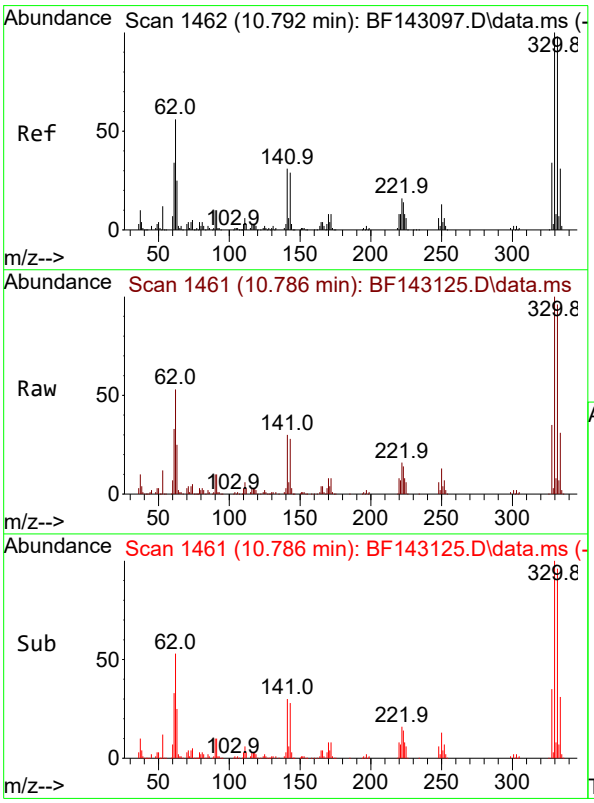
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:164 Resp: 263439

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.0	118.6
160	43.9	35.8	53.6

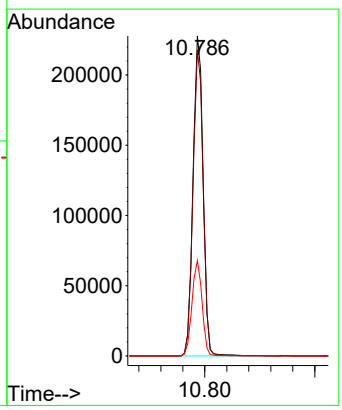


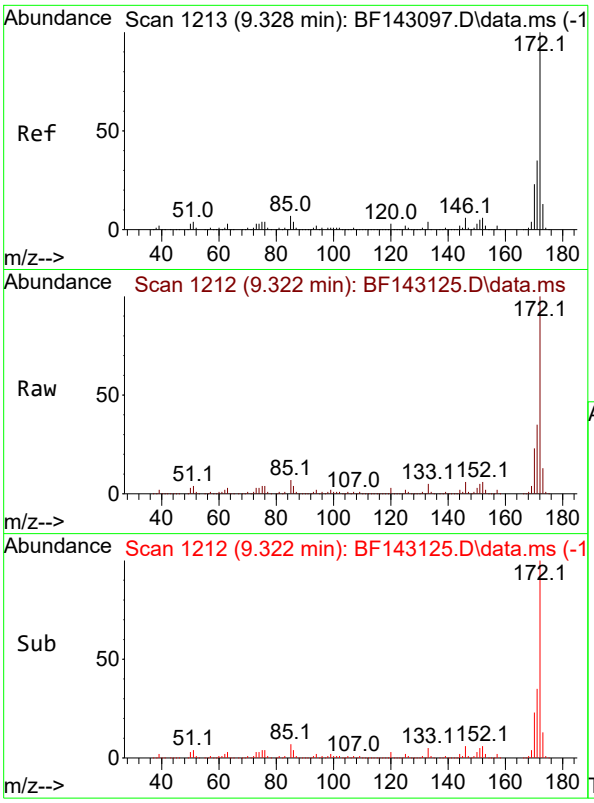


#42
2,4,6-Tribromophenol
Concen: 123.349 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:330 Resp: 289742

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.9	116.9
141	29.8	25.9	38.9



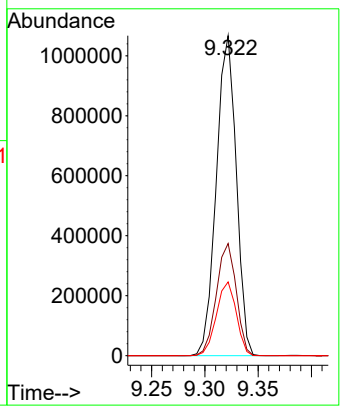


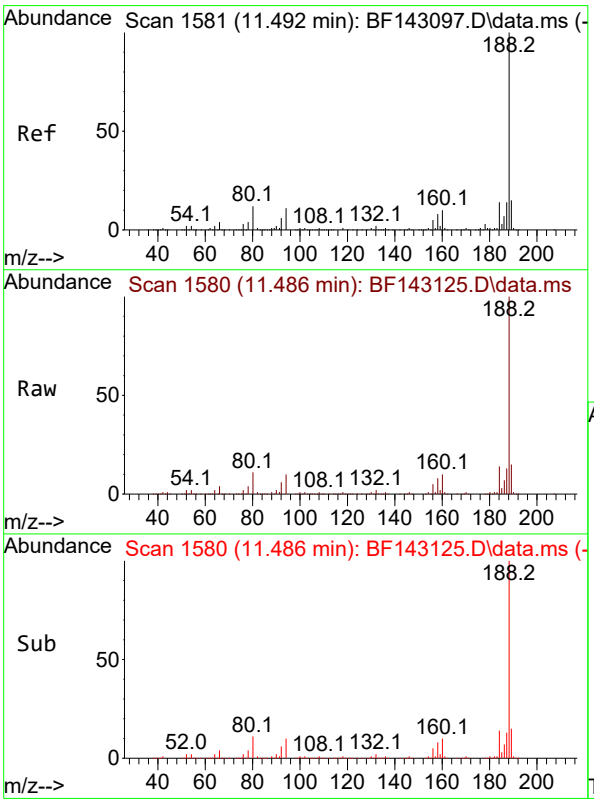
#45
2-Fluorobiphenyl
Concen: 69.967 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:172 Resp: 1386618

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.0	18.6	28.0

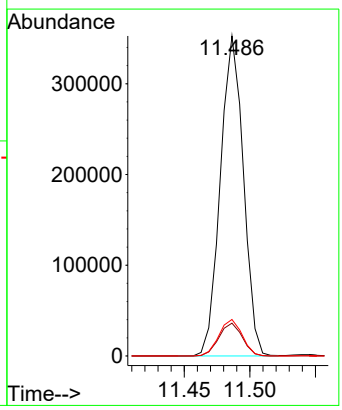


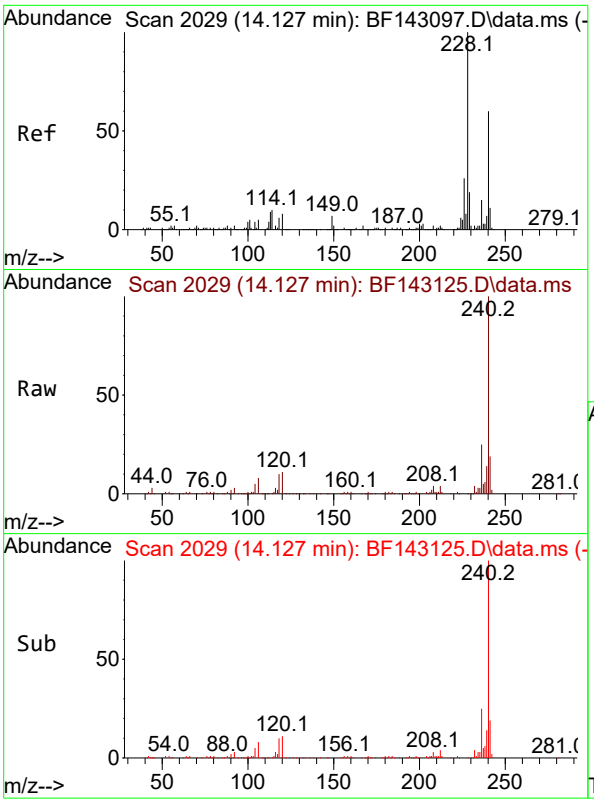


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:188 Resp: 430869

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.4	9.3	13.9



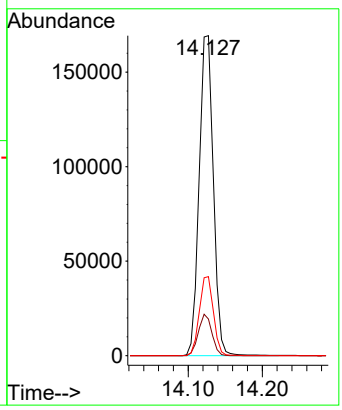


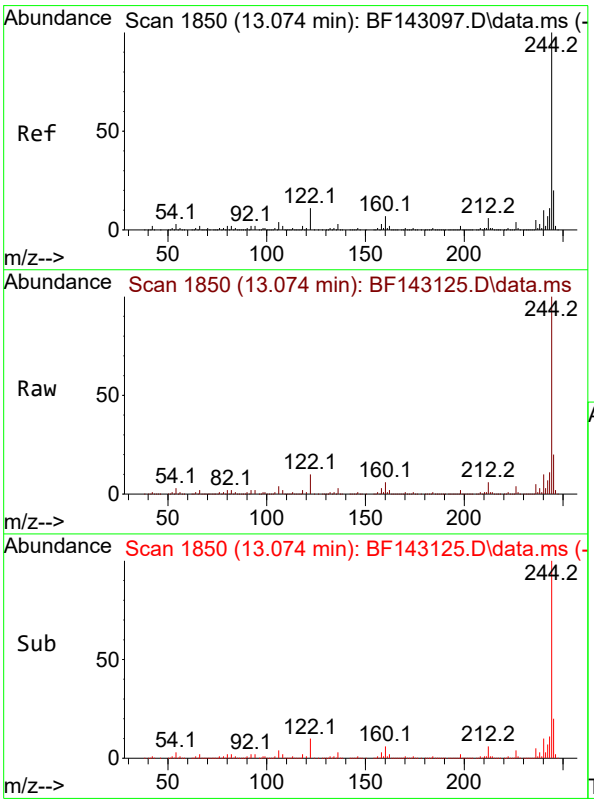
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:240 Resp: 225535

Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.0	15.0
236	24.7	20.0	30.0

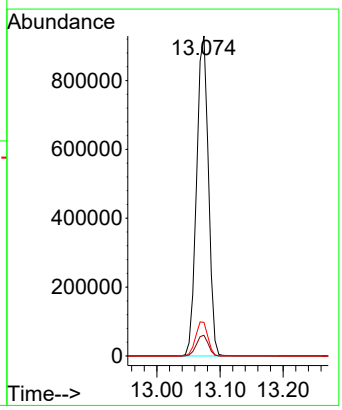


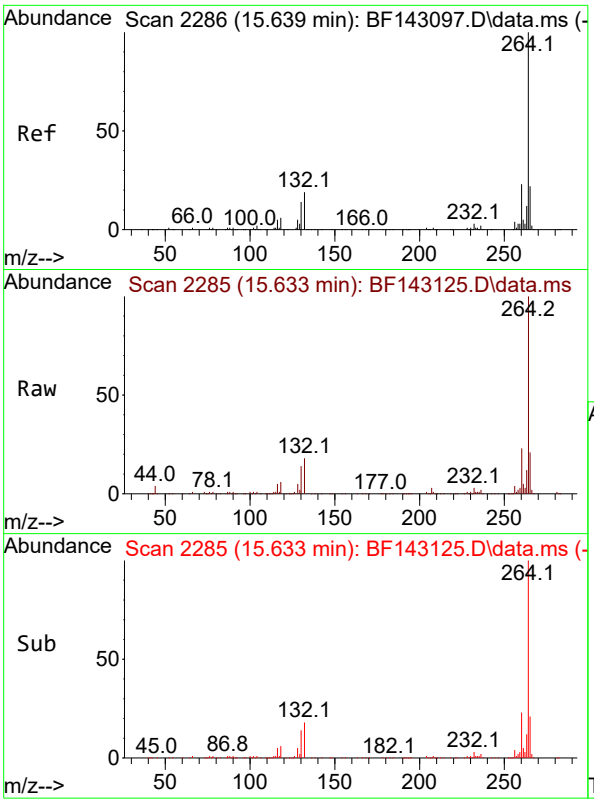


#79
Terphenyl-d14
Concen: 78.243 ng
RT: 13.074 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Tgt Ion:244 Resp: 1207177

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.5	8.8	13.2



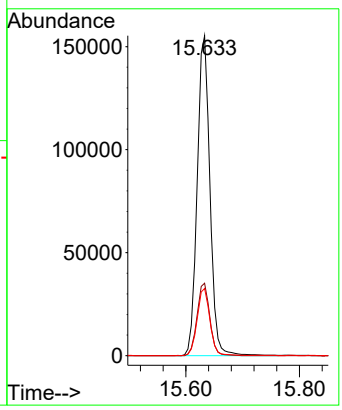


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143125.D
Acq: 16 Jul 2025 23:37

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE

Tgt Ion:264 Resp: 242433

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.0	17.5	26.3



Raw Data: **BF143126.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-10	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
BF143126.D	1	07/16/25 10:14	07/17/25 00:07	PB168885

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	108		23 - 138	72%	SPK: 150
13127-88-3	Phenol-d6	99.1		10 - 134	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.3		67 - 132	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.8		52 - 132	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		44 - 137	89%	SPK: 150
1718-51-0	Terphenyl-d14	79.8		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	136000	6.969			
1146-65-2	Naphthalene-d8	525000	8.245			
15067-26-2	Acenaphthene-d10	267000	9.998			
1517-22-2	Phenanthrene-d10	445000	11.486			
1719-03-5	Chrysene-d12	246000	14.121			
1520-96-3	Perylene-d12	243000	15.633			

Raw Data: **BF143126.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-10	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
BF143126.D	1	07/16/25 10:14	07/17/25 00:07	PB168885

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: **BF143126.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143126.D
Acq On : 17 Jul 2025 00:07
Operator : RC/JU
Sample : Q2600-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Quant Time: Jul 17 03:47:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	135635	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	524876	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	266724	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	444795	20.000	ng	0.00
76) Chrysene-d12	14.121	240	246117	20.000	ng	0.00
86) Perylene-d12	15.633	264	243269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	930384	108.375	ng	0.02
7) Phenol-d6	6.581	99	1069499	99.109	ng	0.00
23) Nitrobenzene-d5	7.522	82	788771	84.303	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	316136	132.928	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1441167	71.824	ng	0.00
79) Terphenyl-d14	13.074	244	1343330	79.787	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.922	122	12934m	9.193	ng	

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

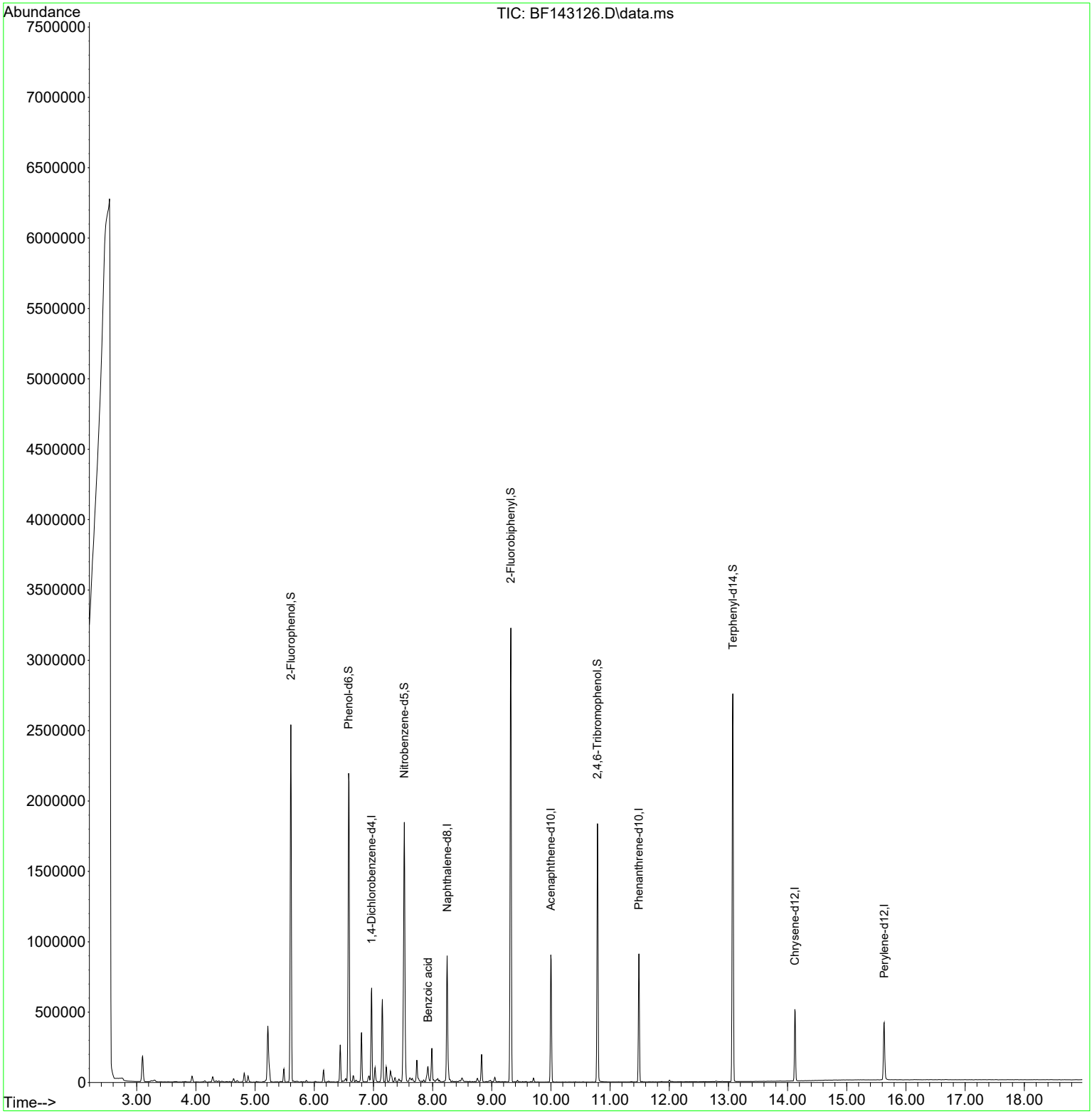
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143126.D
Acq On : 17 Jul 2025 00:07
Operator : RC/JU
Sample : Q2600-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

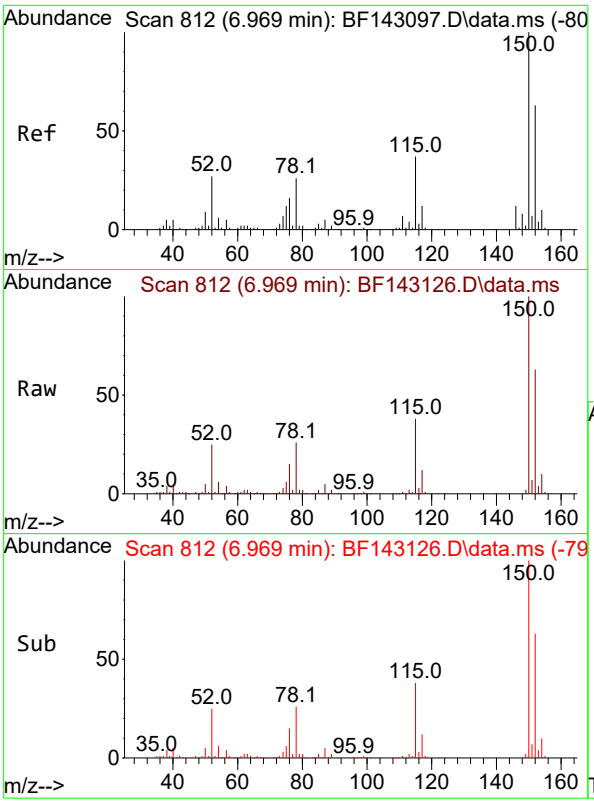
Quant Time: Jul 17 03:47:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

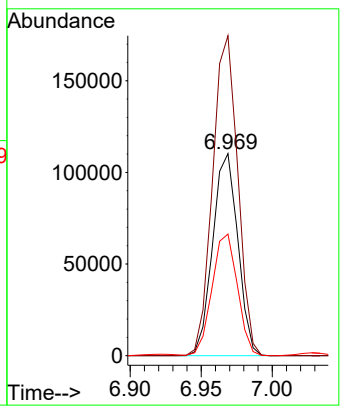




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:152 Resp: 13563

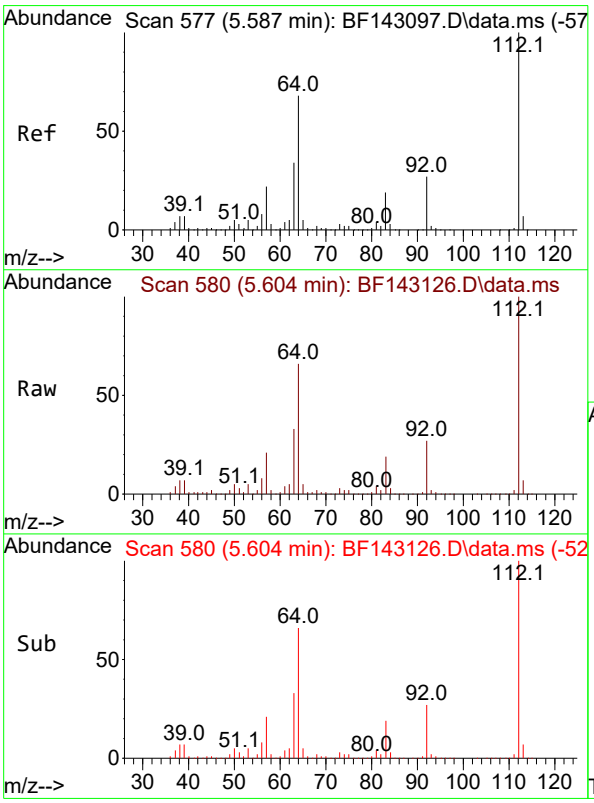
Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.5	189.7
115	60.2	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

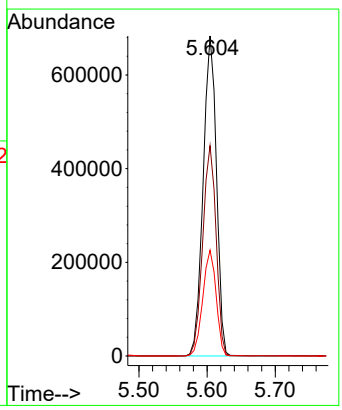
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

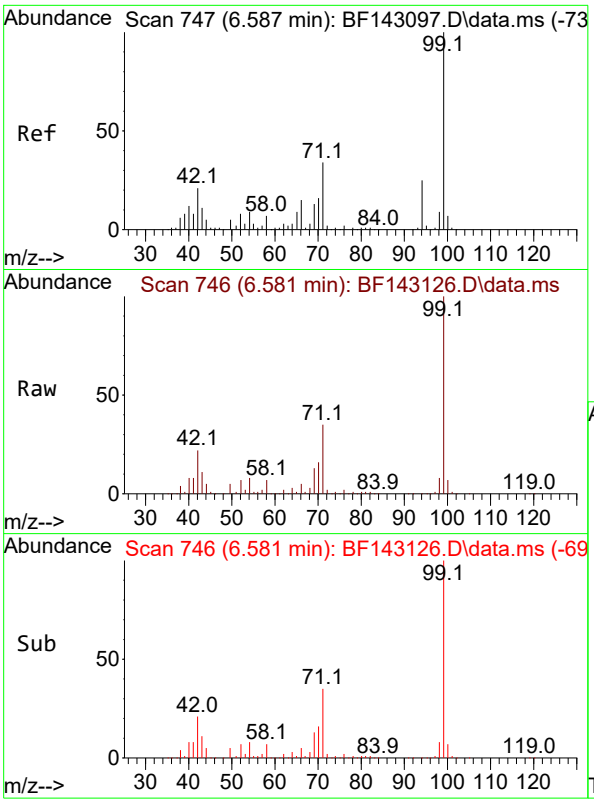


#5
2-Fluorophenol
Concen: 108.375 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:112 Resp: 930384

Ion	Ratio	Lower	Upper
112	100		
64	65.7	54.6	82.0
63	33.1	27.3	40.9

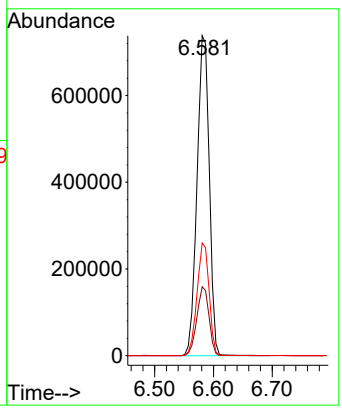




#7
Phenol-d6
Concen: 99.109 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion: 99 Resp: 106949

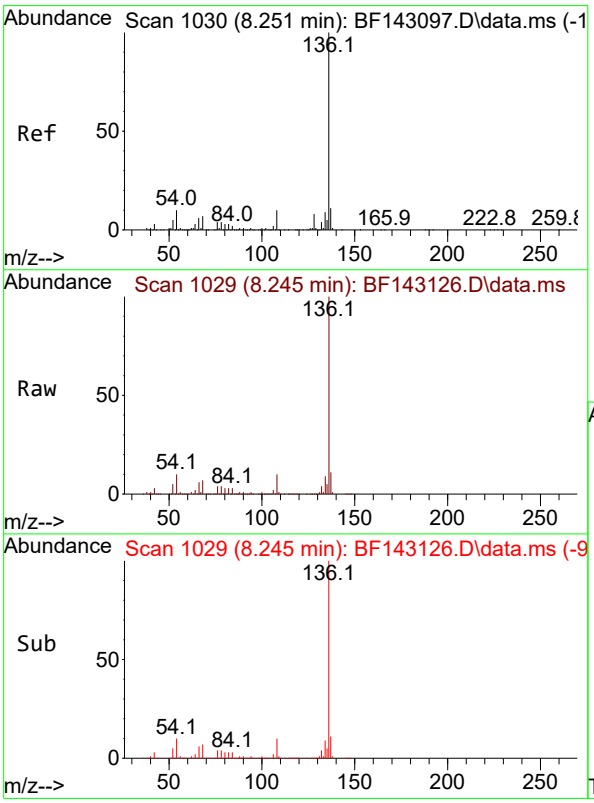
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	35.2	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

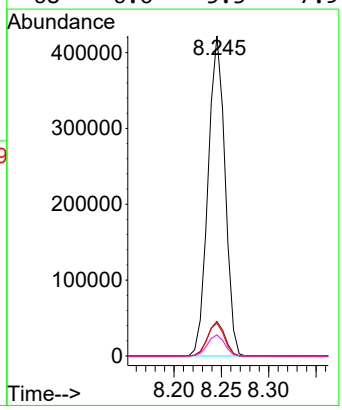
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

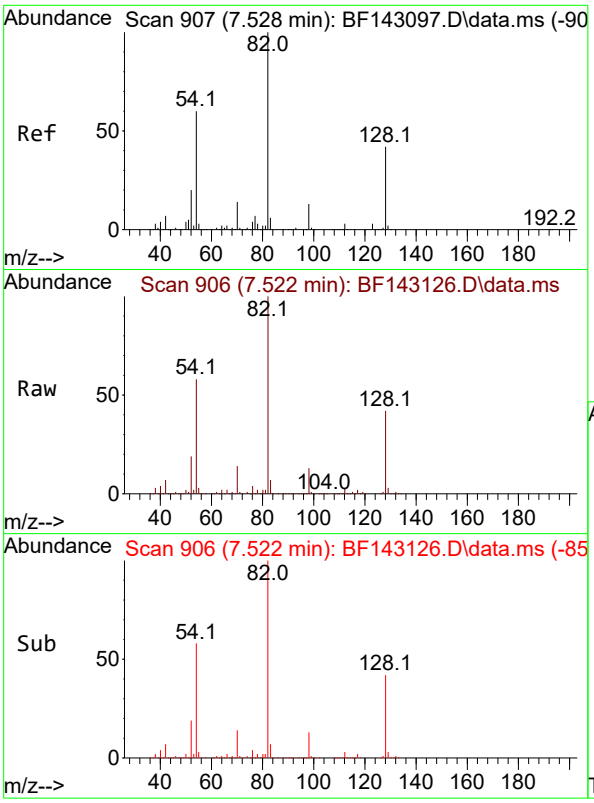


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:136 Resp: 524876

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.3	8.3	12.5
68	6.6	5.3	7.9





#23
Nitrobenzene-d5
Concen: 84.303 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

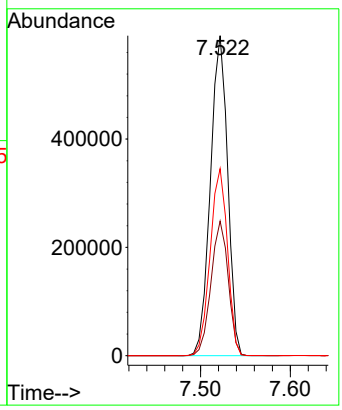
Tgt Ion: 82 Resp: 78877

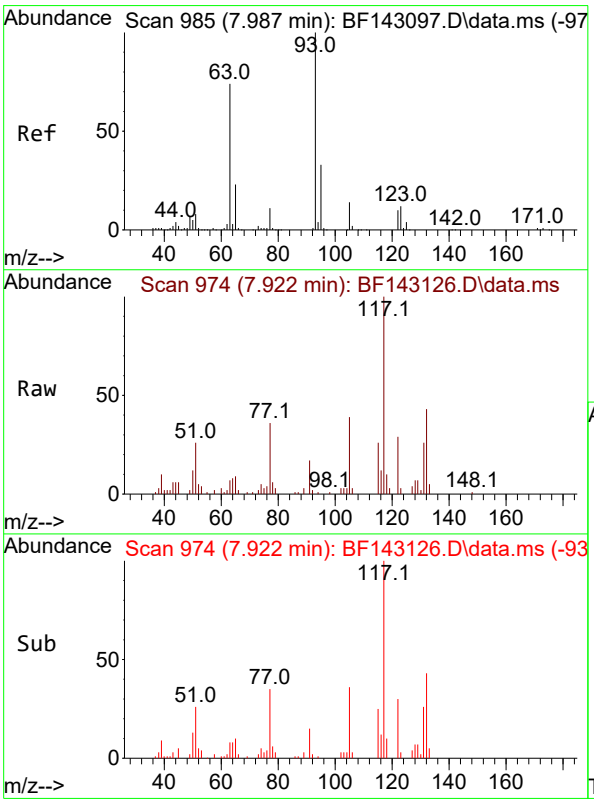
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.3	49.9
54	58.5	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

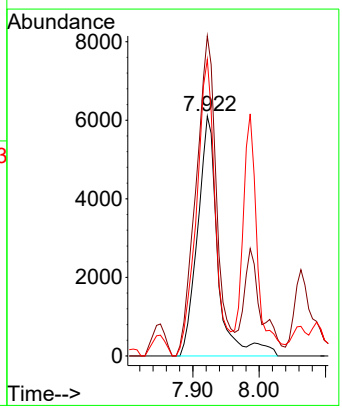


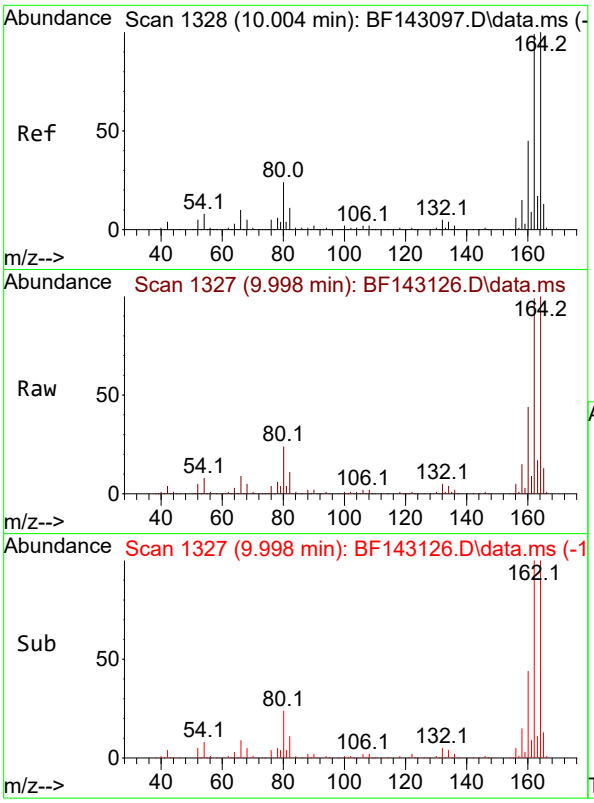


#32
Benzoic acid
Concen: 9.193 ng m
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:122 Resp: 12934

Ion	Ratio	Lower	Upper
122	100		
105	133.4	105.4	145.4
77	123.6	78.6	118.6#

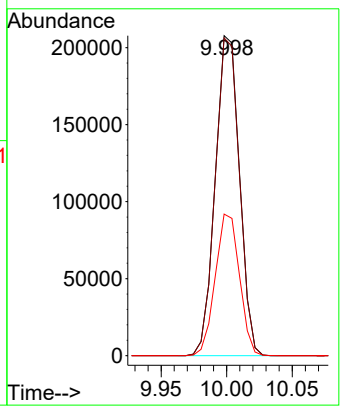




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:164 Resp: 26672

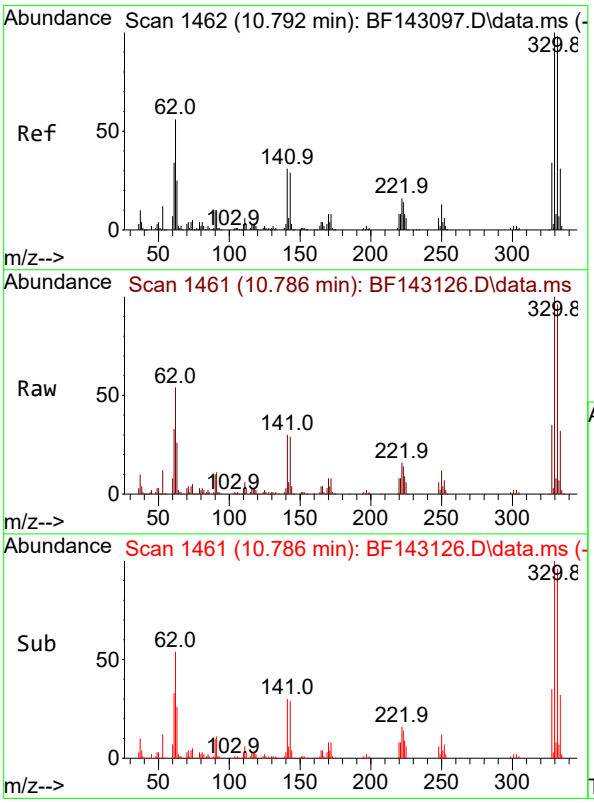
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.2	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

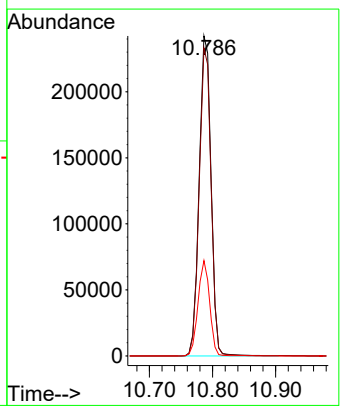
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

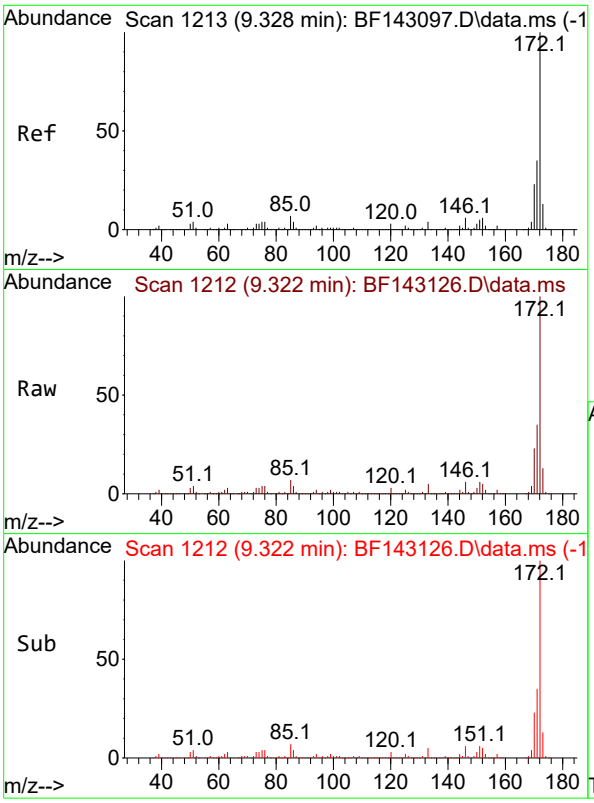


#42
2,4,6-Tribromophenol
Concen: 132.928 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:330 Resp: 316136

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.9	116.9
141	29.2	25.9	38.9

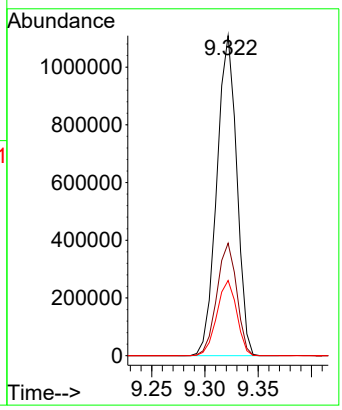




#45
2-Fluorobiphenyl
Concen: 71.824 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:172 Resp: 144116

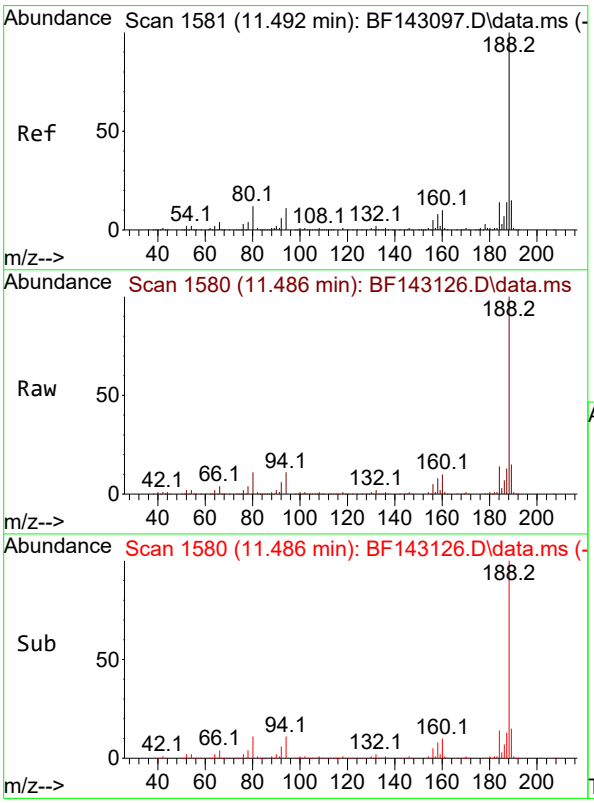
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.5	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

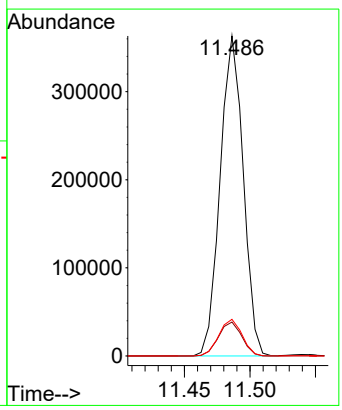
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

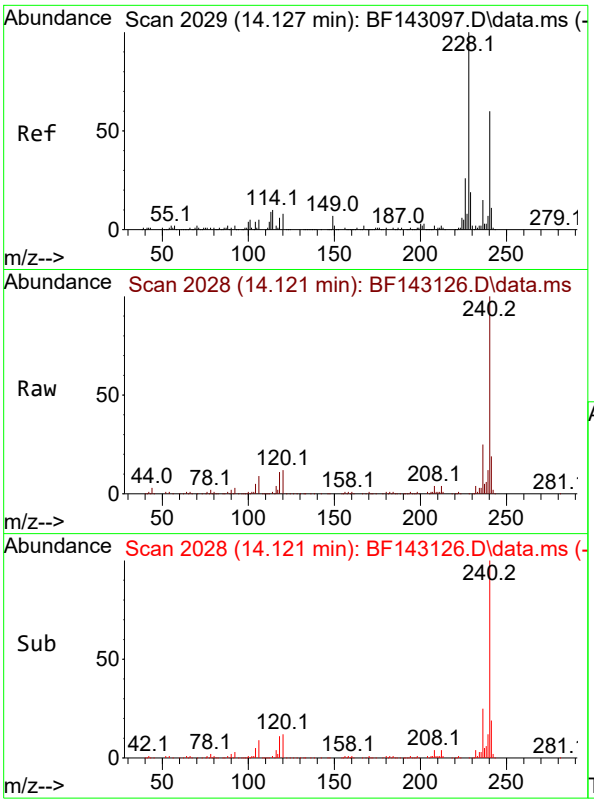


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:188 Resp: 444795

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.5	9.3	13.9

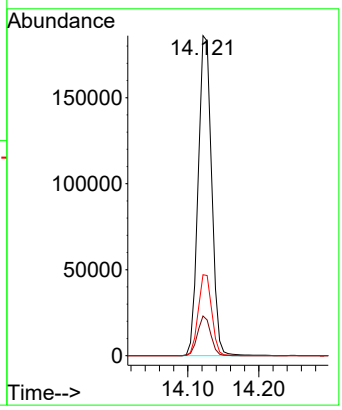




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:240 Resp: 24611

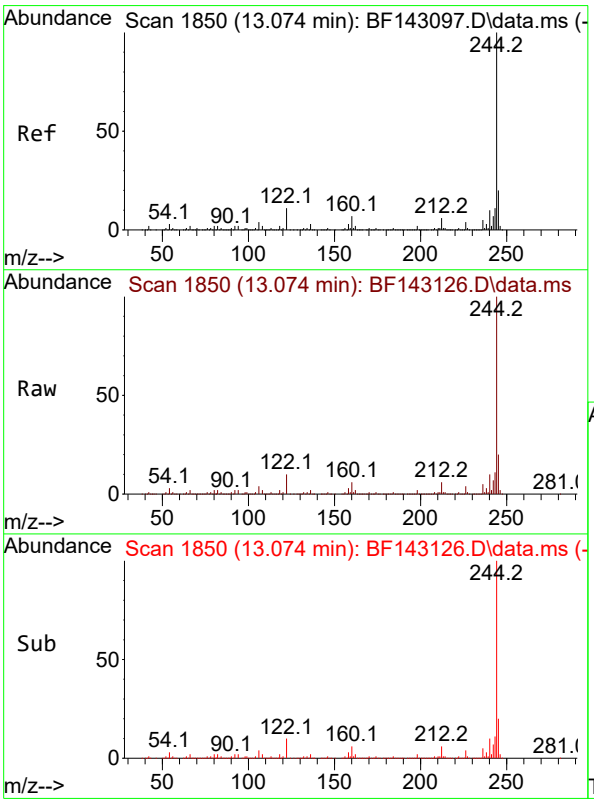
Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	25.3	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

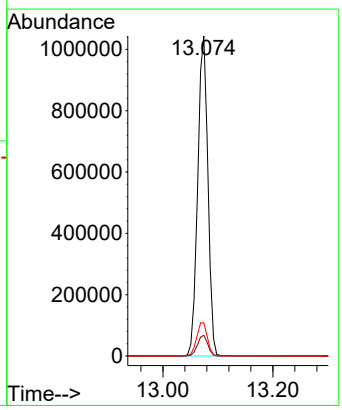
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

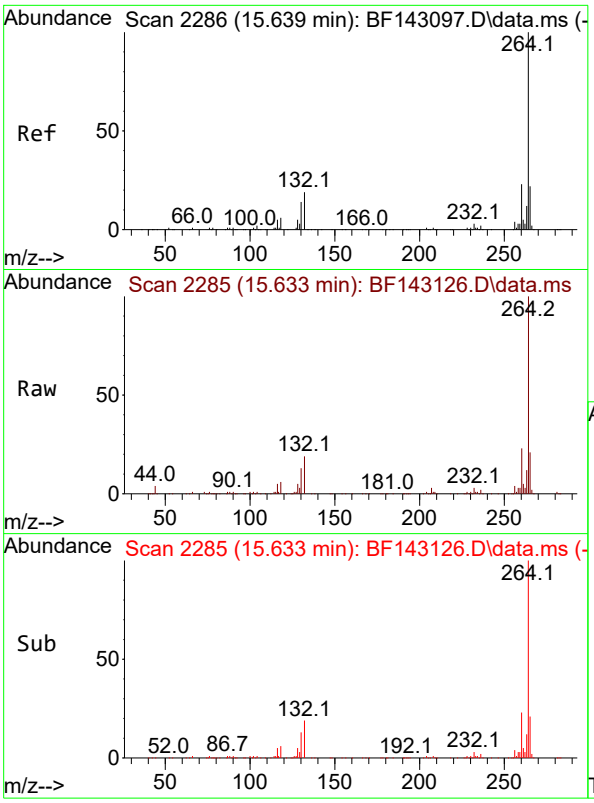


#79
Terphenyl-d14
Concen: 79.787 ng
RT: 13.074 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:244 Resp: 1343330

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.3	8.8	13.2

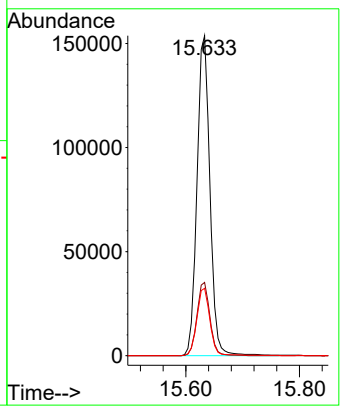




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143126.D
Acq: 17 Jul 2025 00:07

Tgt Ion:264 Resp: 24326

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.0	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
END-OF-TRENCH

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

CALIBRATION SUMMARY

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TACO01

Lab Code: ACE SDG No.: Q2600

Instrument ID: BNA_F Calibration Date(s): 07/15/2025 07/15/2025

Calibration Time(s): 13:04 16:35

LAB FILE ID: RRF2.5 = BF143093.D RRF005 = BF143094.D RRF010 = BF143095.D
RRF020 = BF143096.D RRF040 = BF143097.D RRF050 = BF143098.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.606	1.541	1.616	1.594	1.681	1.596	3.3
2-Fluorophenol		1.334	1.272	1.315	1.255	1.305	1.266	5.0
Phenol-d6		1.685	1.616	1.640	1.565	1.643	1.591	5.1
1,4-Dichlorobenzene		1.570	1.473	1.504	1.412	1.482	1.446	6.3
2-Methylphenol		1.132	1.081	1.124	1.083	1.150	1.098	3.6
3+4-Methylphenols			1.399	1.419	1.356	1.421	1.346	6.7
Nitrobenzene-d5		0.283	0.319	0.363	0.372	0.399	0.357	11.6
Hexachloroethane		0.465	0.440	0.486	0.472	0.500	0.471	4.2
Nitrobenzene		0.282	0.317	0.357	0.356	0.385	0.344	9.9
Hexachlorobutadiene		0.185	0.176	0.183	0.177	0.182	0.178	4.1
2,4,6-Trichlorophenol		0.300	0.312	0.377	0.376	0.400	0.362	10.9
2-Fluorobiphenyl		1.777	1.645	1.602	1.456	1.460	1.505	12.2
2,4,5-Trichlorophenol		0.336	0.367	0.390	0.393	0.418	0.380	6.6
2,4-Dinitrotoluene		0.147	0.197	0.253	0.295	0.326	0.265	26.3
2,4,6-Tribromophenol		0.136	0.157	0.181	0.188	0.204	0.178	13.2
Hexachlorobenzene		0.249	0.237	0.247	0.235	0.250	0.241	3.1
Pentachlorophenol			0.098	0.125	0.132	0.149	0.132	14.5
Terphenyl-d14		1.563	1.471	1.437	1.343	1.385	1.368	10.5

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143093.D 5 =BF143094.D 10 =BF143095.D 20 =BF143096.D 40 =BF143097.D 50 =BF143098.D 60 =BF143099.D 80 =BF1431
00.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.637	0.635	0.640	0.627	0.661	0.626	0.586	0.630	3.58
3)		Pyridine		1.606	1.541	1.616	1.594	1.681	1.612	1.519	1.596	3.33
4)		n-Nitrosodimet...			0.788	0.825	0.816	0.879	0.840	0.812	0.827	3.70
5)	S	2-Fluorophenol		1.334	1.272	1.315	1.255	1.305	1.232	1.148	1.266	4.98
6)		Aniline		2.330	2.254	2.280	2.205	2.351	2.196	2.069	2.241	4.26
7)	S	Phenol-d6		1.685	1.616	1.640	1.565	1.643	1.547	1.441	1.591	5.11
8)		2-Chlorophenol		1.239	1.208	1.321	1.273	1.363	1.286	1.212	1.272	4.51
9)		Benzaldehyde			1.196	1.149	1.451	1.452	1.163	0.864	1.212	18.15
10)	C	Phenol		1.766	1.742	1.782	1.709	1.780	1.694	1.584	1.723	4.07
11)		bis(2-Chloroet...		1.425	1.363	1.366	1.309	1.371	1.291	1.209	1.334	5.26
12)		1,3-Dichlorobe...		1.547	1.482	1.470	1.414	1.471	1.388	1.286	1.437	5.83
13)	C	1,4-Dichlorobe...		1.570	1.473	1.504	1.412	1.482	1.386	1.292	1.446	6.27
14)		1,2-Dichlorobe...		1.468	1.409	1.430	1.364	1.417	1.321	1.241	1.379	5.57
15)		Benzyl Alcohol			1.126	1.204	1.167	1.255	1.189	1.132	1.179	4.09
16)		2,2'-oxybis(1-...		2.713	2.532	2.528	2.405	2.517	2.342	2.171	2.458	6.99
17)		2-Methylphenol		1.132	1.081	1.124	1.083	1.150	1.077	1.035	1.098	3.63
18)		Hexachloroethane		0.465	0.440	0.486	0.472	0.500	0.476	0.455	0.471	4.22
19)	P	n-Nitroso-di-n...	0.956	1.029	0.988	1.002	0.964	1.017	0.945	0.897	0.975	4.44
20)		3+4-Methylphenols			1.399	1.419	1.356	1.421	1.293	1.189	1.346	6.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.538	0.516	0.500	0.469	0.482	0.451	0.419	0.482	8.33
23)	S	Nitrobenzene-d5		0.283	0.319	0.363	0.372	0.399	0.390	0.370	0.357	11.59
24)		Nitrobenzene		0.282	0.317	0.357	0.356	0.385	0.366	0.347	0.344	9.94
25)		Isophorone		0.705	0.688	0.697	0.678	0.718	0.687	0.651	0.689	3.11
26)	C	2-Nitrophenol		0.063	0.075	0.106	0.120	0.141	0.146	0.147	0.114	29.95
27)		2,4-Dimethylph...		0.325	0.322	0.326	0.320	0.332	0.315	0.299	0.320	3.38
28)		bis(2-Chloroet...		0.444	0.434	0.435	0.409	0.424	0.404	0.375	0.418	5.63
29)	C	2,4-Dichloroph...		0.237	0.254	0.267	0.267	0.280	0.271	0.254	0.262	5.43
30)		1,2,4-Trichlor...		0.316	0.305	0.307	0.295	0.303	0.287	0.267	0.297	5.40
31)		Naphthalene		1.099	1.048	1.037	0.966	0.987	0.937	0.878	0.993	7.52
32)		Benzoic acid			0.080	0.111	0.144	0.159	0.171	0.172	0.139	26.27
33)		4-Chloroaniline		0.420	0.420	0.414	0.398	0.409	0.381	0.353	0.399	6.12
34)	C	Hexachlorobuta...		0.185	0.176	0.183	0.177	0.182	0.176	0.163	0.178	4.10
35)		Caprolactam			0.073	0.078	0.083	0.087	0.086	0.083	0.082	6.36
36)	C	4-Chloro-3-met...		0.285	0.290	0.296	0.293	0.307	0.293	0.277	0.291	3.26
37)		2-Methylnaphth...		0.644	0.626	0.615	0.580	0.597	0.562	0.524	0.592	6.91
38)		1-Methylnaphth...		0.678	0.660	0.631	0.603	0.615	0.578	0.537	0.615	7.81

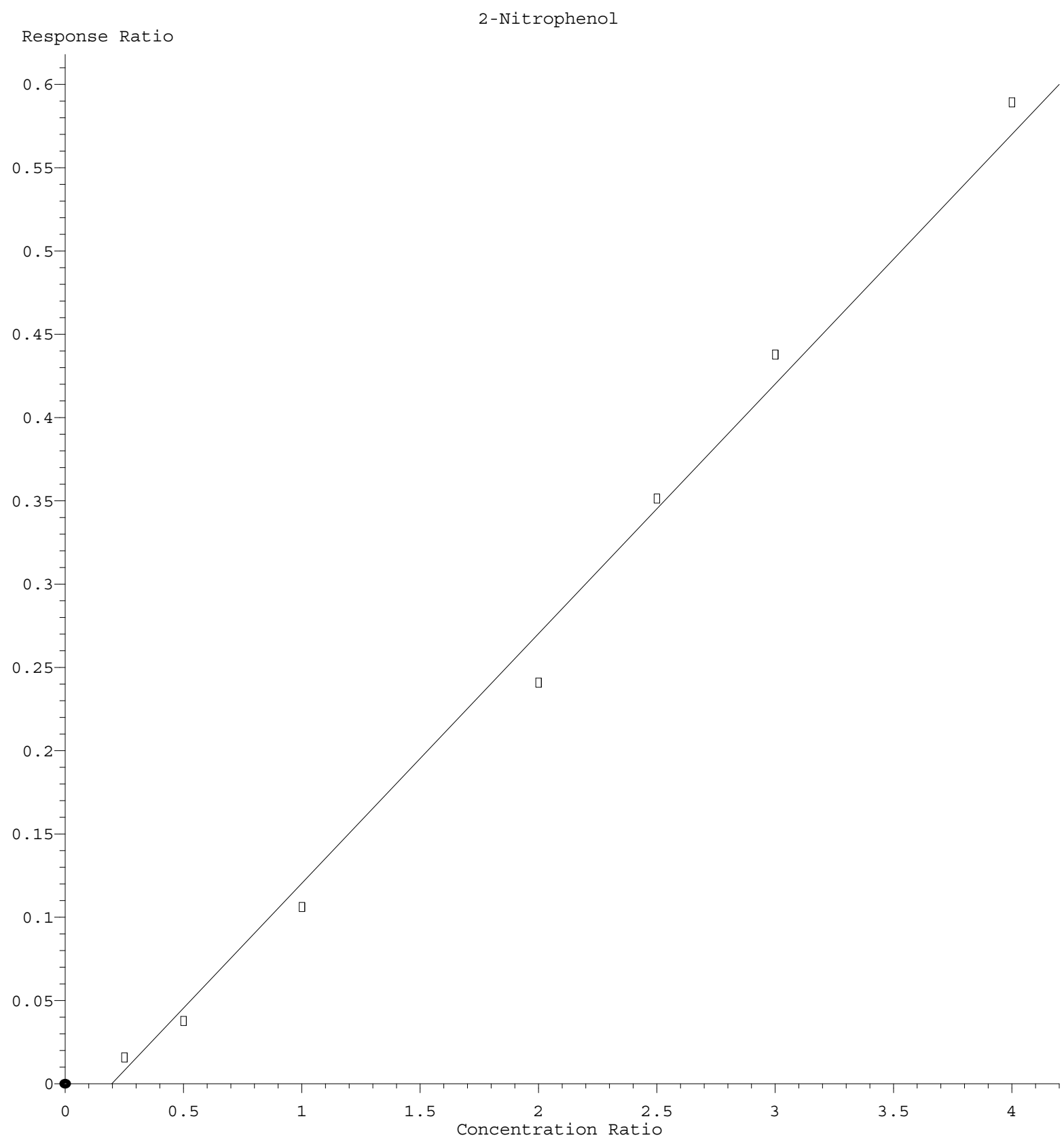
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.616	0.600	0.602	0.578	0.601	0.561	0.522	0.583	5.56
41)	P	Hexachlorocycl...		0.254	0.306	0.323	0.356	0.356	0.344	0.323	12.16
42)	S	2,4,6-Tribromo...	0.136	0.157	0.181	0.188	0.204	0.194	0.188	0.178	13.23
43)	C	2,4,6-Trichlor...	0.300	0.312	0.377	0.376	0.400	0.393	0.377	0.362	10.94
44)		2,4,5-Trichlor...	0.336	0.367	0.390	0.393	0.418	0.377	0.378	0.380	6.62
45)	S	2-Fluorobiphenyl	1.777	1.645	1.602	1.456	1.460	1.355	1.238	1.505	12.18
46)		1,1'-Biphenyl	1.750	1.687	1.671	1.567	1.610	1.496	1.384	1.595	7.84
47)		2-Chloronaphth...	1.271	1.203	1.206	1.159	1.195	1.120	1.048	1.172	6.10
48)		2-Nitroaniline	0.180	0.224	0.296	0.328	0.372	0.363	0.355	0.303	24.51
49)		Acenaphthylene	2.060	2.011	2.034	1.959	1.989	1.867	1.746	1.952	5.65
50)		Dimethylphthalate	1.310	1.259	1.292	1.257	1.302	1.219	1.169	1.258	4.01
51)		2,6-Dinitrotol...	0.133	0.176	0.222	0.234	0.262	0.262	0.247	0.219	22.07
52)	C	Acenaphthene	1.273	1.204	1.173	1.127	1.168	1.088	1.032	1.152	6.85
53)		3-Nitroaniline	0.180	0.227	0.283	0.288	0.318	0.313	0.295	0.272	18.56
54)	P	2,4-Dinitrophenol		0.038	0.056	0.069	0.086	0.090	0.097	0.073	31.18
55)		Dibenzofuran	1.895	1.795	1.785	1.697	1.729	1.604	1.516	1.717	7.37
56)	P	4-Nitrophenol		0.164	0.201	0.224	0.239	0.237	0.232	0.216	13.37
57)		2,4-Dinitrotol...	0.147	0.197	0.253	0.295	0.326	0.319	0.320	0.265	26.25
58)		Fluorene	1.478	1.387	1.328	1.246	1.284	1.186	1.105	1.288	9.67
59)		2,3,4,6-Tetrac...	0.253	0.274	0.302	0.312	0.339	0.323	0.309	0.302	9.71
60)		Diethylphthalate	1.221	1.217	1.257	1.225	1.260	1.187	1.130	1.214	3.68
61)		4-Chlorophenyl...	0.666	0.642	0.631	0.614	0.625	0.586	0.555	0.617	5.92
62)		4-Nitroaniline	0.169	0.208	0.237	0.249	0.270	0.263	0.259	0.236	15.25
63)		Azobenzene	1.425	1.399	1.375	1.328	1.381	1.282	1.208	1.343	5.65
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.035	0.053	0.064	0.079	0.084	0.086	0.067	30.46
66)	c	n-Nitrosodiphe...	0.735	0.709	0.736	0.682	0.717	0.685	0.654	0.703	4.30
67)		4-Bromophenyl-...	0.231	0.219	0.234	0.222	0.239	0.228	0.219	0.227	3.38
68)		Hexachlorobenzene	0.249	0.237	0.247	0.235	0.250	0.239	0.231	0.241	3.12
69)		Atrazine	0.158	0.171	0.184	0.181	0.195	0.185	0.184	0.180	6.72
70)	C	Pentachlorophenol		0.098	0.125	0.132	0.149	0.145	0.145	0.132	14.47
71)		Phenanthrene	1.190	1.136	1.111	1.042	1.089	1.021	0.968	1.079	6.95
72)		Anthracene	1.158	1.126	1.126	1.057	1.106	1.042	0.983	1.085	5.62
73)		Carbazole	1.038	1.026	1.008	0.938	0.998	0.927	0.873	0.972	6.27
74)		Di-n-butylphth...	0.746	0.846	0.913	0.921	0.983	0.942	0.897	0.893	8.62
75)	C	Fluoranthene	1.044	1.053	1.009	0.960	0.998	0.938	0.869	0.981	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.664	0.786	0.834	0.674	0.616	0.514	0.681	17.02
78)		Pyrene	2.018	1.956	1.955	1.842	1.918	1.716	1.585	1.856	8.33
79)	S	Terphenyl-d14	1.563	1.471	1.437	1.343	1.385	1.246	1.133	1.368	10.53
80)		Butylbenzylpht...	0.179	0.233	0.310	0.343	0.385	0.395	0.384	0.318	26.22
81)		Benzo(a)anthra...	1.296	1.304	1.406	1.347	1.403	1.326	1.247	1.333	4.34
82)		3,3'-Dichlorob...		0.314	0.406	0.385	0.428	0.411	0.377	0.387	10.35
83)		Chrysene	1.286	1.234	1.211	1.201	1.270	1.228	1.162	1.227	3.41
84)		Bis(2-ethylhex...	0.273	0.343	0.479	0.515	0.578	0.591	0.583	0.480	26.25
85)	c	Di-n-octyl pht...		0.474	0.811	0.922	1.073	1.115	1.167	0.927	27.83

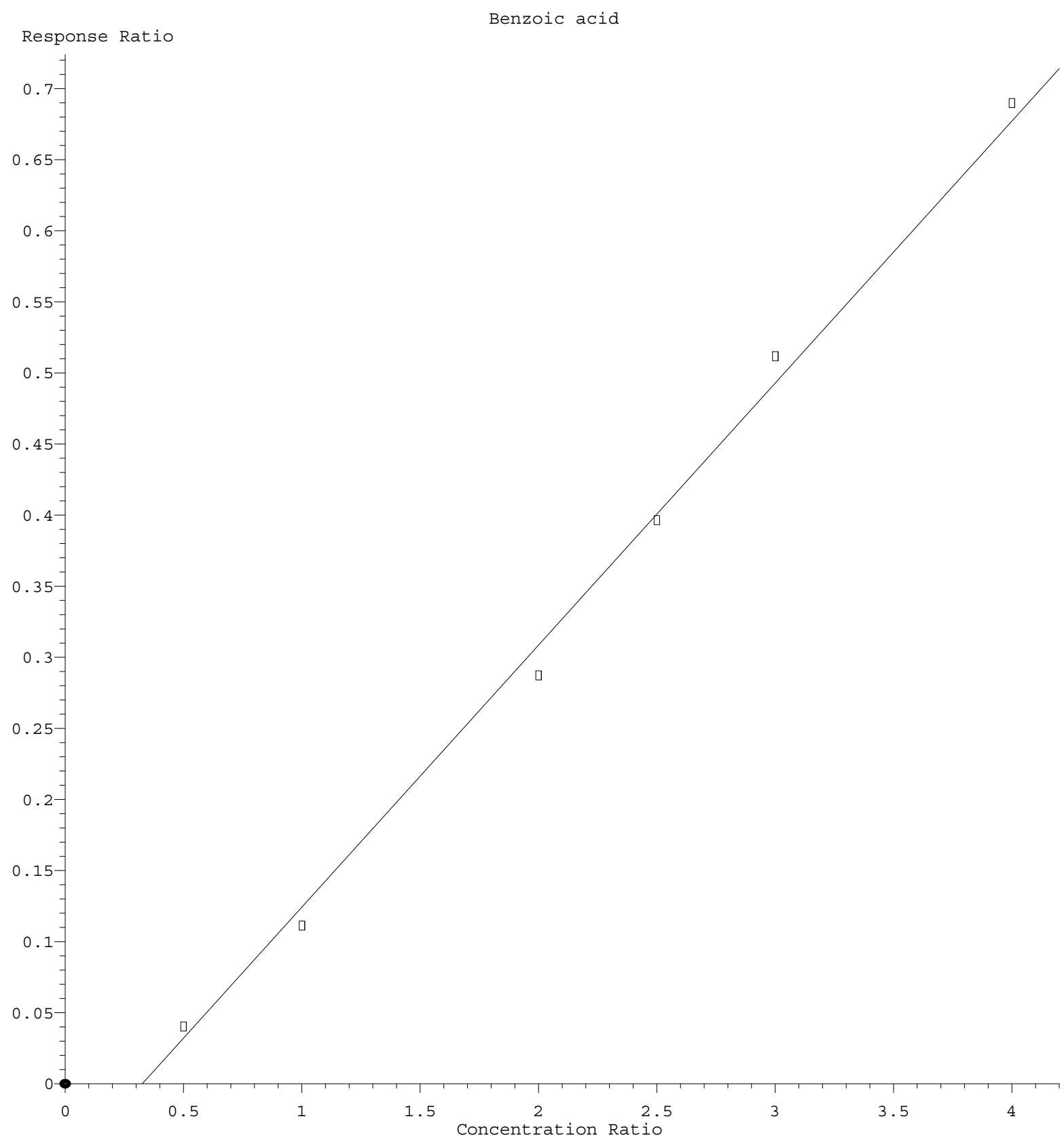
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.345	1.411	1.526	1.521	1.620	1.519	1.470	1.488	5.98
88)		Benzo(b)fluora...	1.063	1.191	1.171	1.082	1.297	1.185	1.087	1.154	7.17
89)		Benzo(k)fluora...	1.175	1.066	1.111	1.148	1.088	1.060	1.056	1.101	4.23
90)	C	Benzo(a)pyrene	0.989	1.019	1.108	1.124	1.196	1.124	1.078	1.091	6.41
91)		Dibenzo(a,h)an...	1.114	1.162	1.266	1.240	1.330	1.222	1.178	1.216	5.90
92)		Benzo(g,h,i)pe...	1.148	1.187	1.263	1.258	1.349	1.260	1.214	1.240	5.20

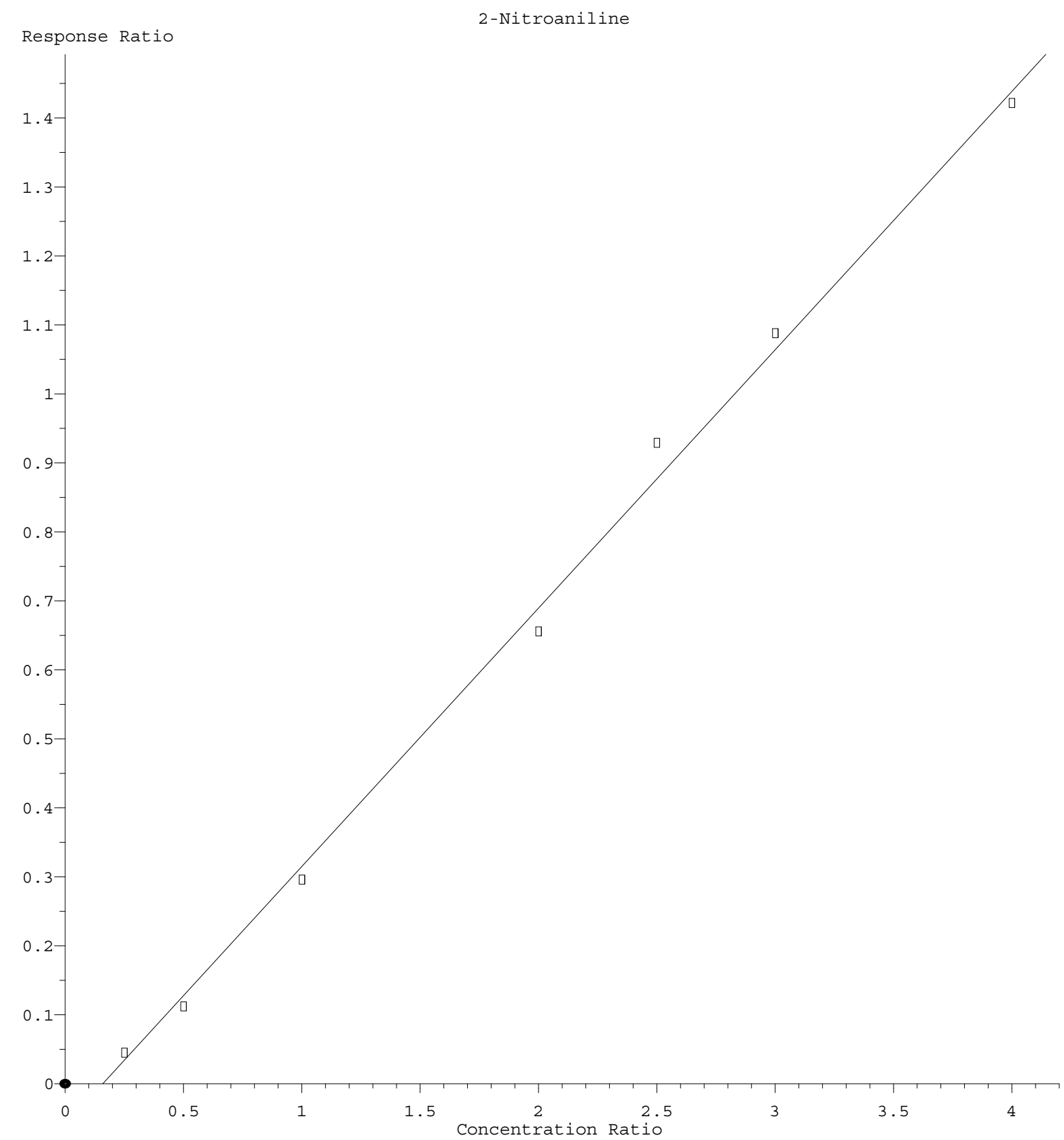
(#) = Out of Range



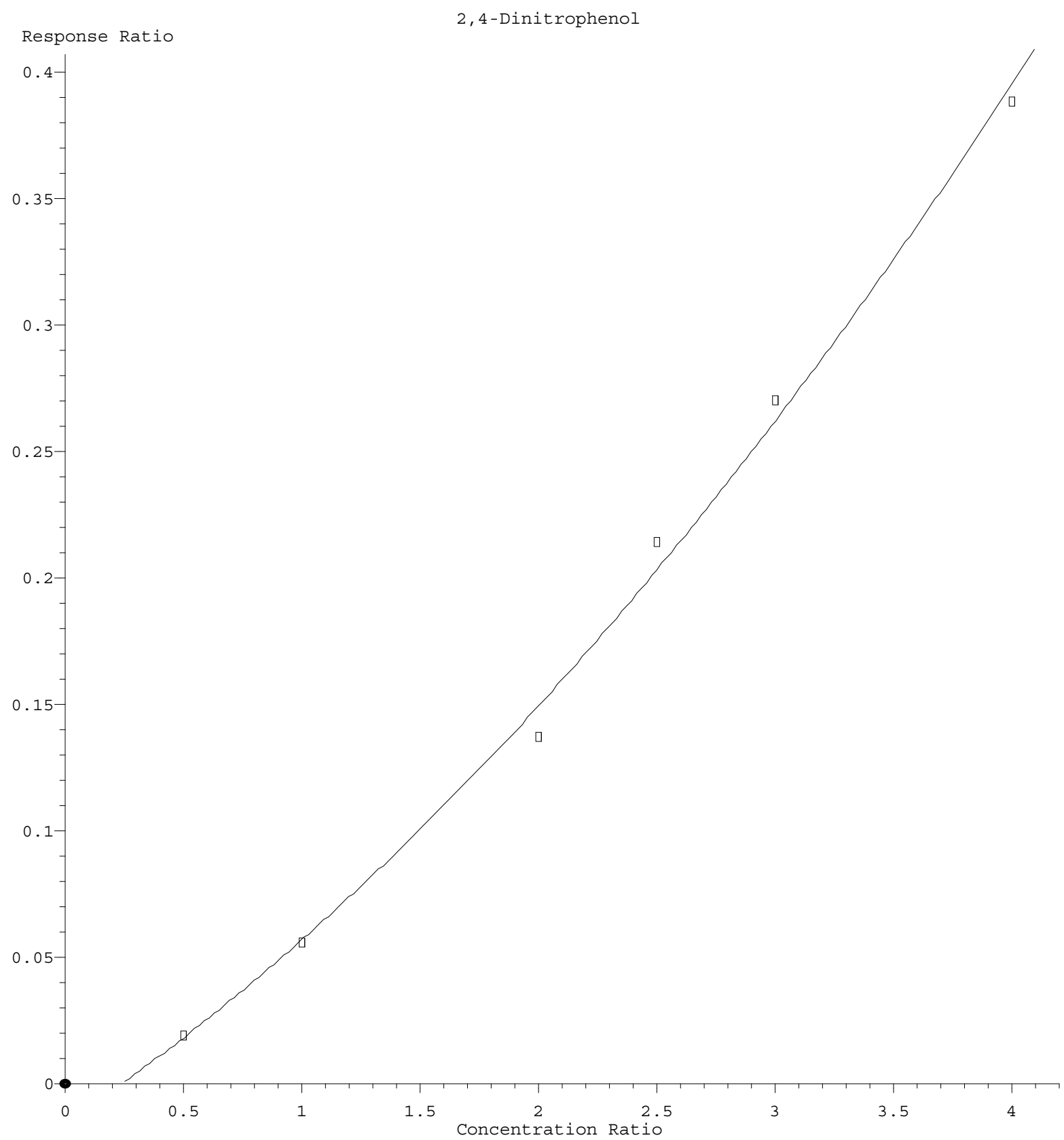
Response = 1.498e-001 * Amt - 2.944e-002
Coef of Det (r^2) = 0.992826 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



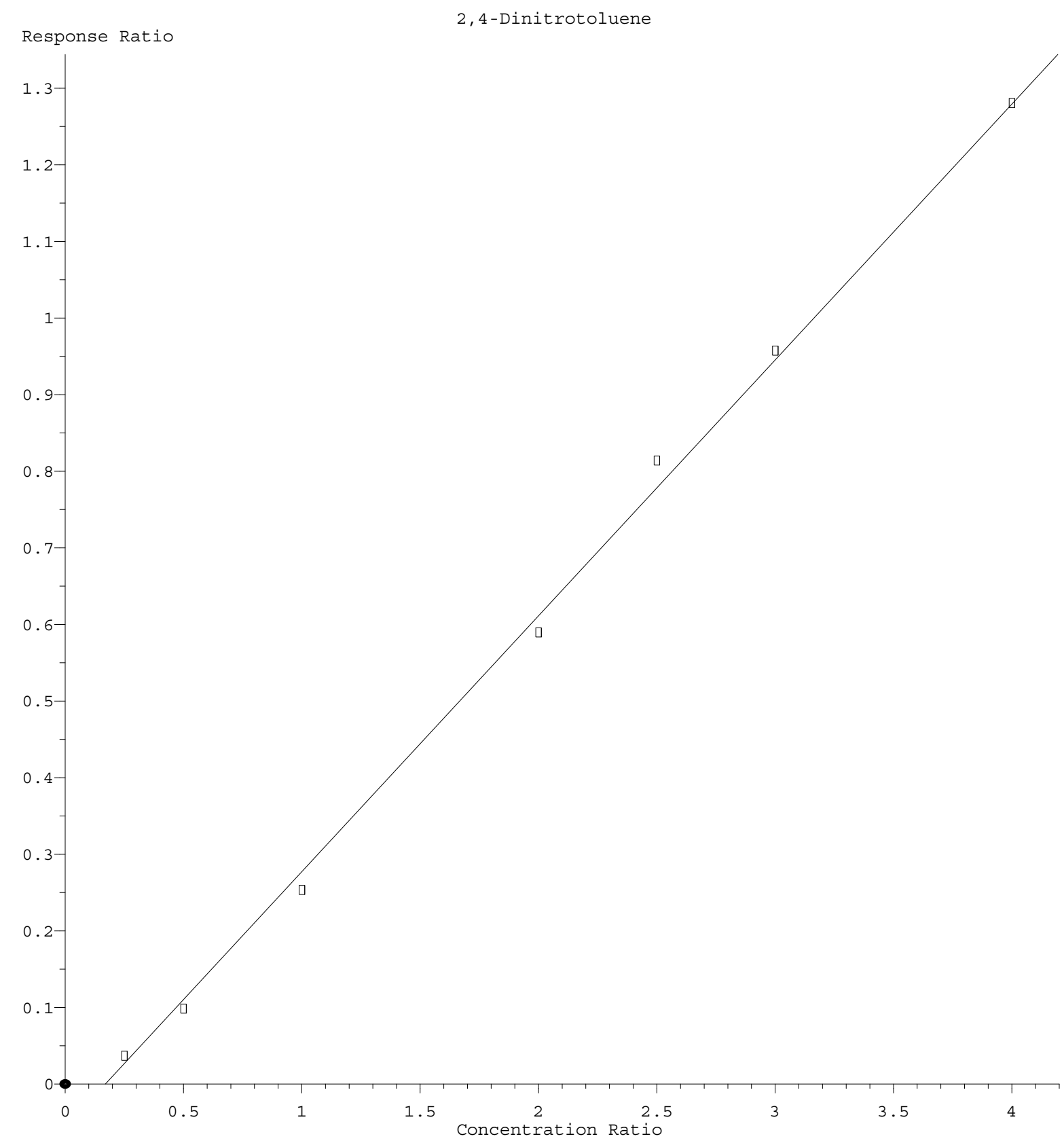
Response = 1.844e-001 * Amt - 6.013e-002
Coef of Det (r^2) = 0.995906 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



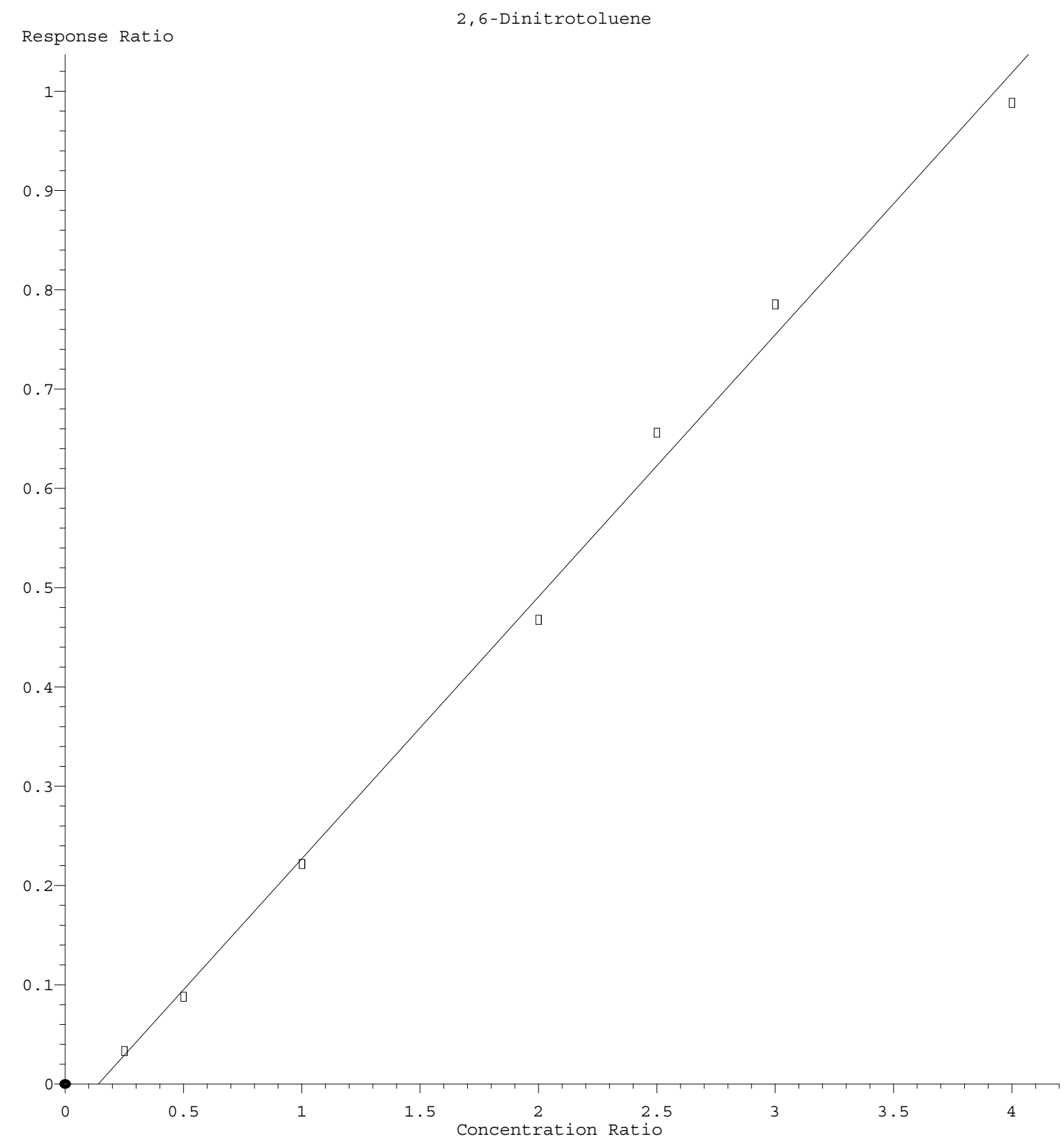
Response = 3.746e-001 * Amt - 5.948e-002
Coef of Det (r^2) = 0.996906 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



R = 1.009e-002 A*A + 6.225e-002 A - 1.545e-002
Coef of Det (r^2) = 0.996906 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025

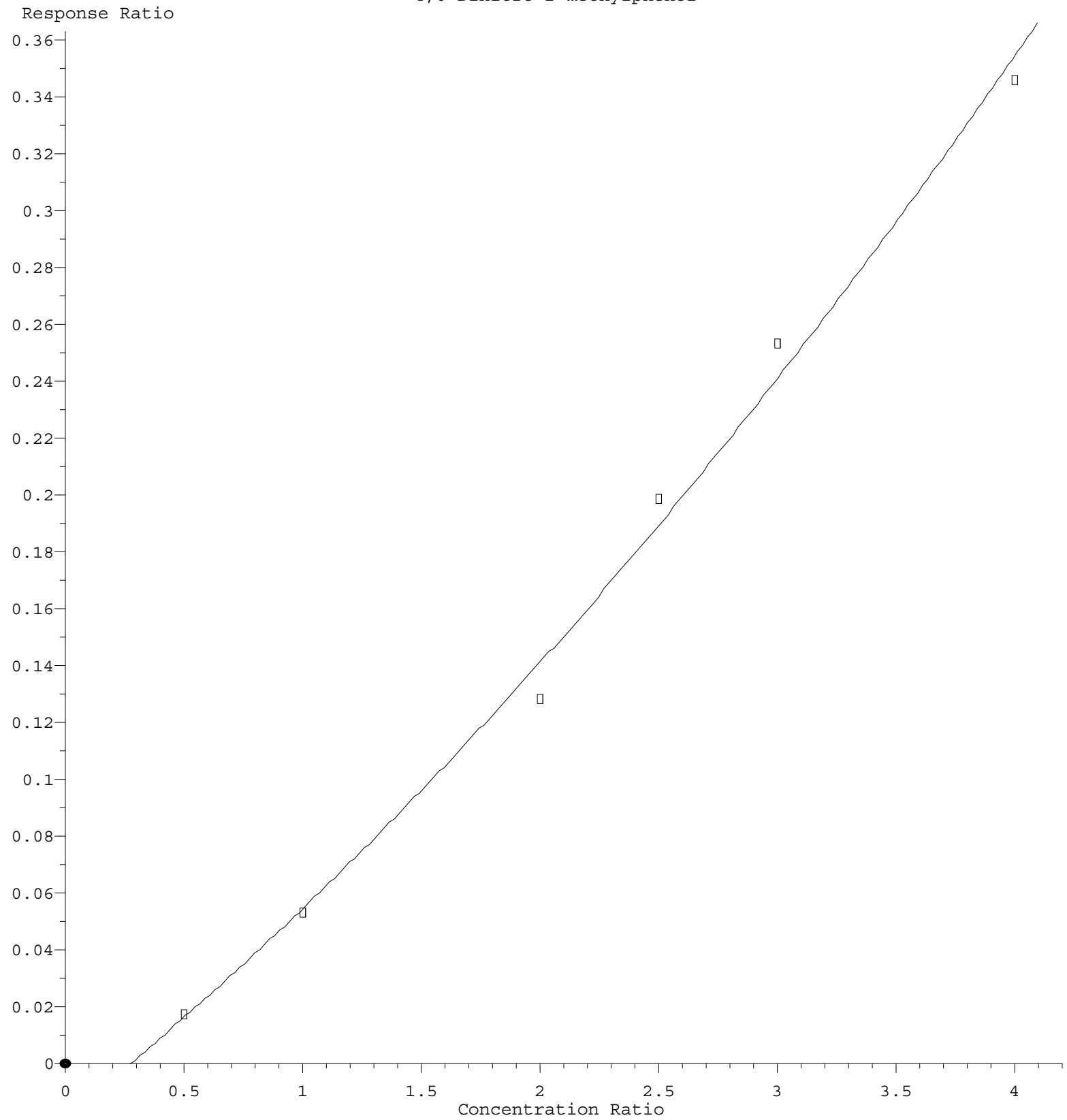


Response = 3.341e-001 * Amt - 5.679e-002
Coef of Det (r^2) = 0.997543 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025

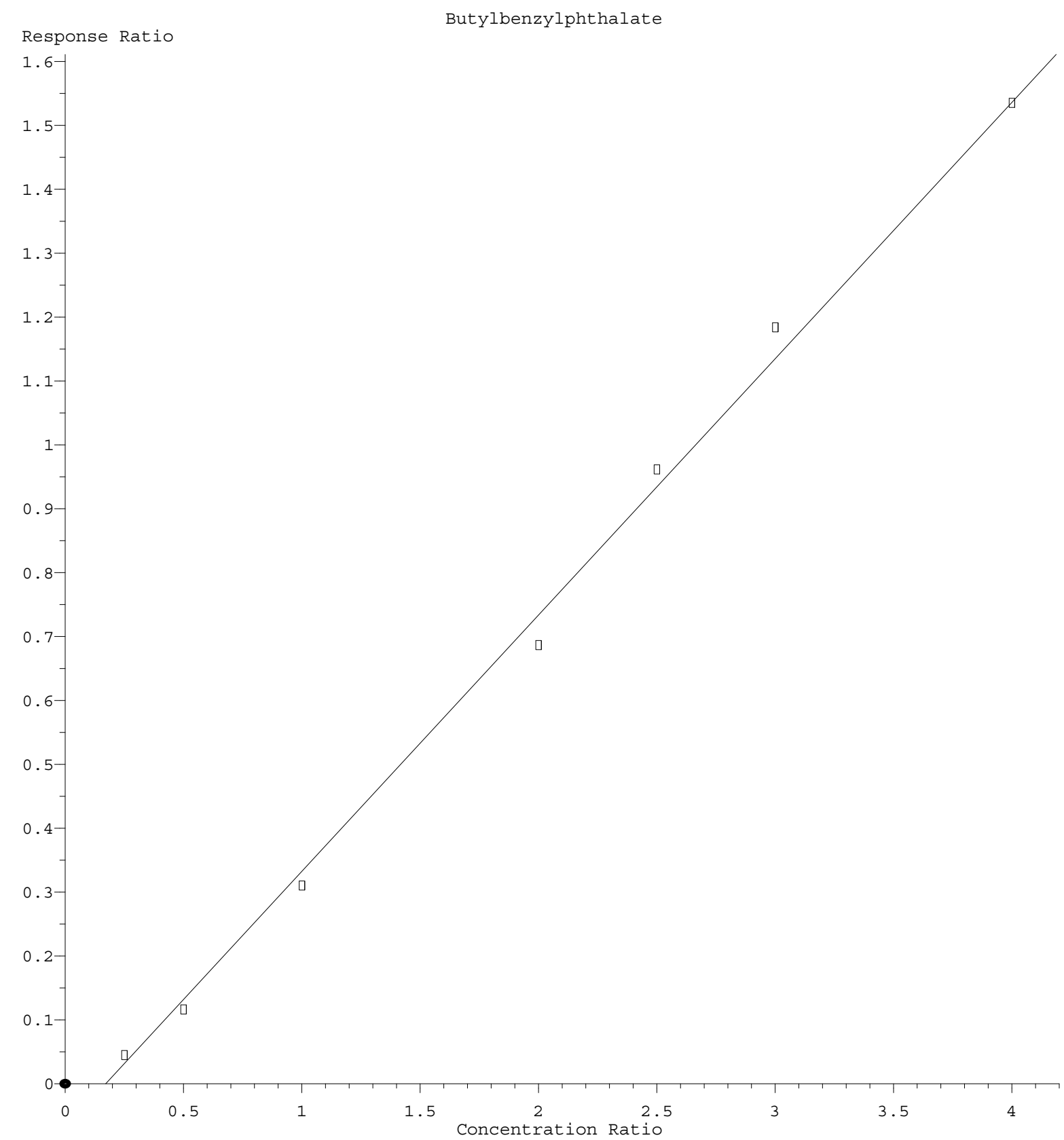


Response = 2.640e-001 * Amt - 3.691e-002
Coef of Det (r^2) = 0.997212 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025

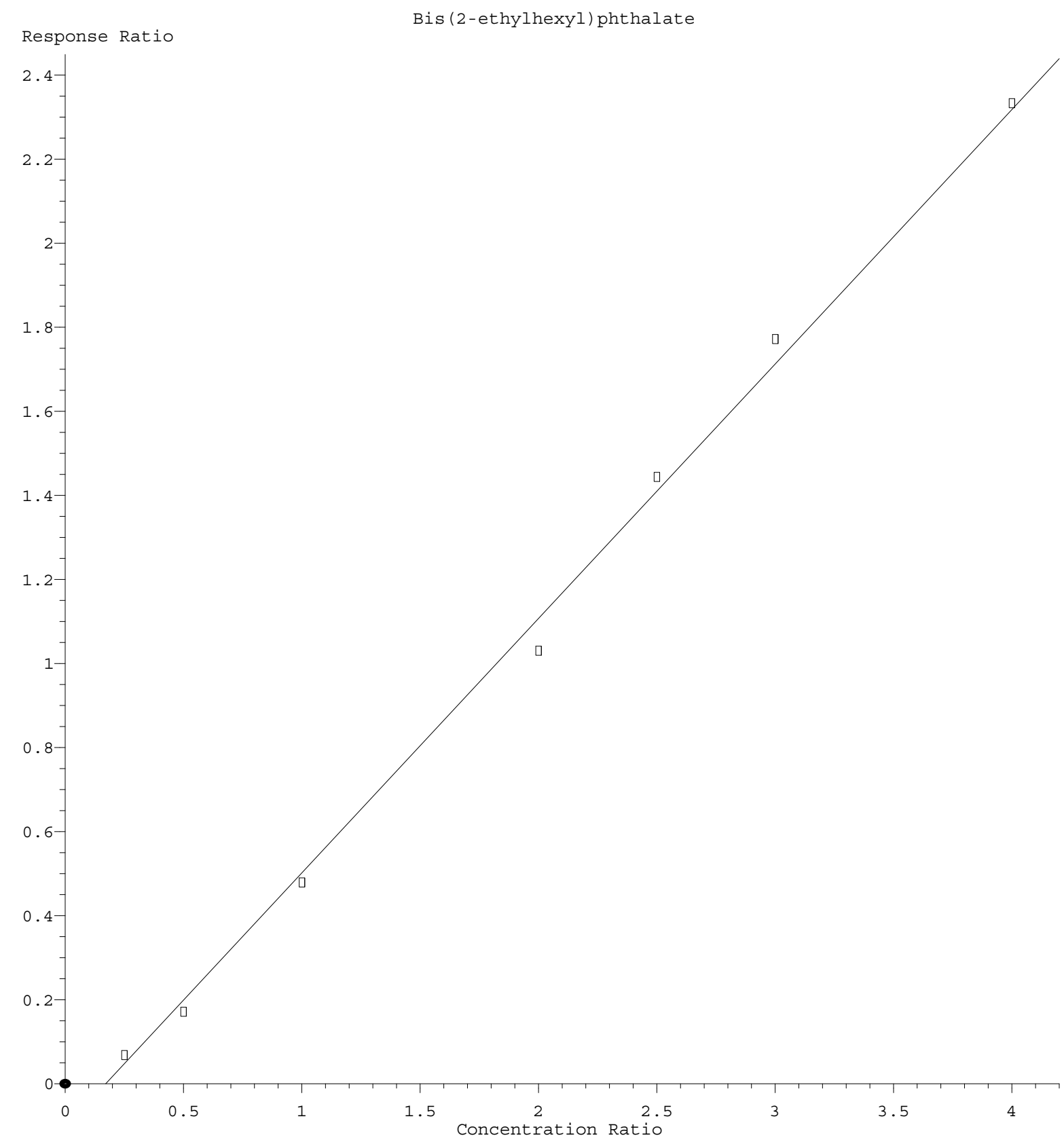
4,6-Dinitro-2-methylphenol



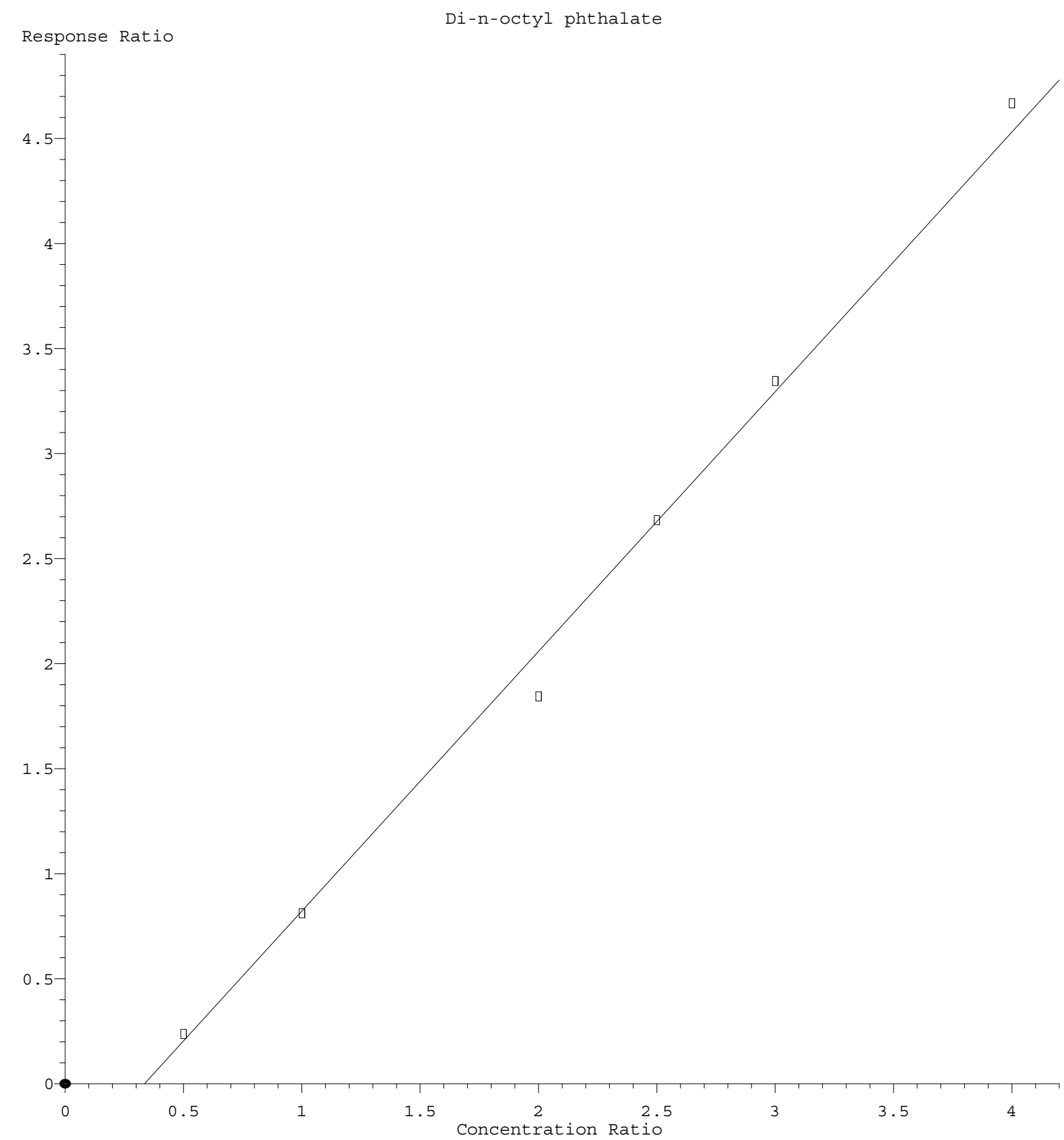
R = 6.691e-003 A*A + 6.646e-002 A - 1.863e-002
Coef of Det (r^2) = 0.995577 Curve Fit: Quadratic w(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



Response = 4.013e-001 * Amt - 6.845e-002
Coef of Det (r^2) = 0.996788 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



Response = 6.053e-001 * Amt - 1.032e-001
Coef of Det (r^2) = 0.996945 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025



Response = 1.236e+000 * Amt - 4.136e-001
Coef of Det (r^2) = 0.995967 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF071525.M
Calibration Table Last Updated: Tue Jul 15 17:53:25 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130499	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	494118	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	253763	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	424376	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244536	20.000	ng	0.00
86) Perylene-d12	15.633	264	187520	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	15601	2.453	ng	95

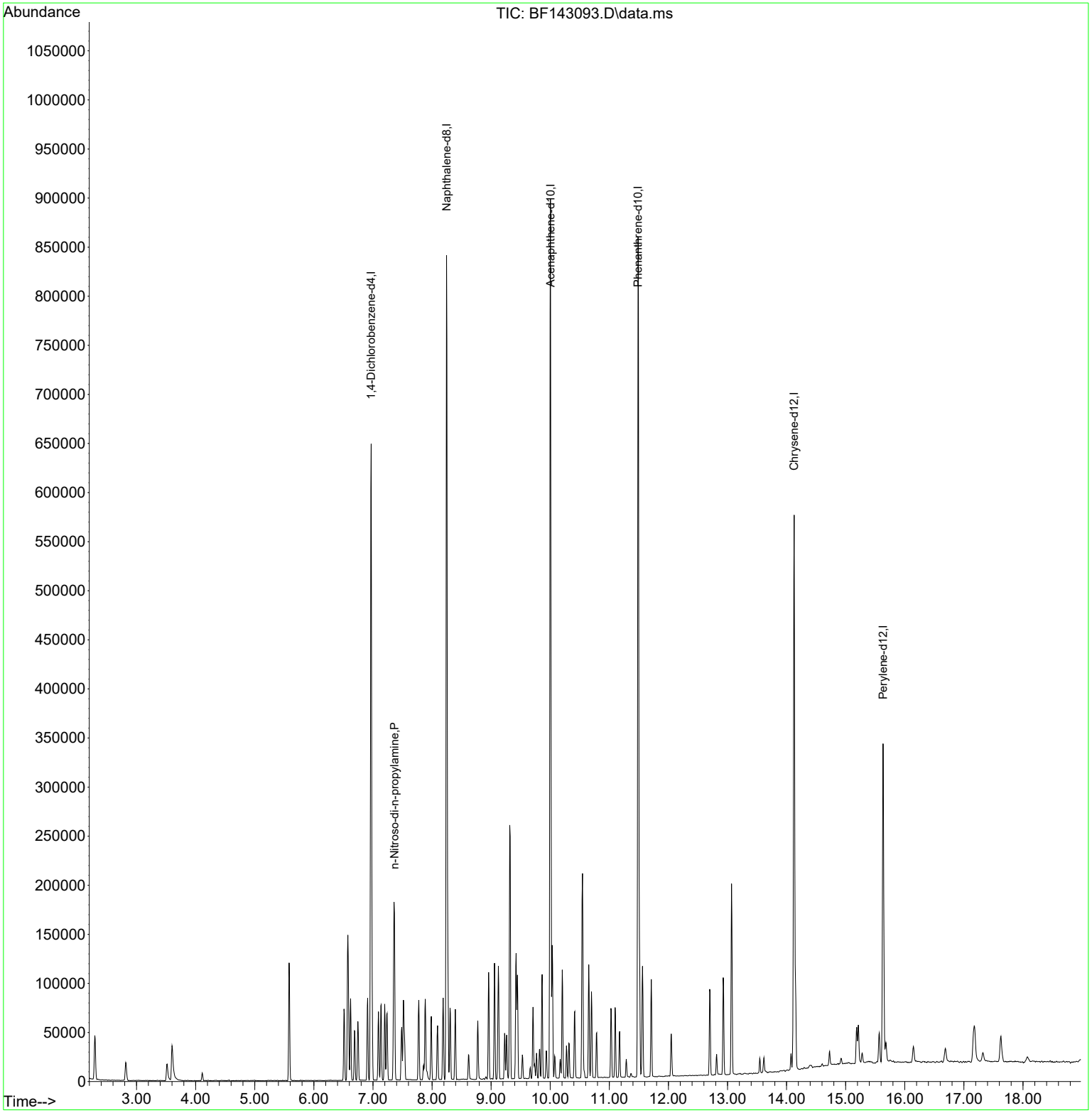
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119528	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	456442	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	230973	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	382578	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212909	20.000	ng	0.00
86) Perylene-d12	15.633	264	174154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	79738	10.540	ng	0.00
7) Phenol-d6	6.575	99	100706	10.590	ng	-0.01
23) Nitrobenzene-d5	7.516	82	64500m	7.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	15703	7.625	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	205273	11.814	ng	0.00
79) Terphenyl-d14	13.069	244	166389	11.424	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	19027	5.052	ng	95
3) Pyridine	3.587	79	48004	5.034	ng	97
6) Aniline	6.622	93	69613	5.198	ng	99
8) 2-Chlorophenol	6.745	128	37026	4.871	ng	98
10) Phenol	6.587	94	52784	5.127	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	42574	5.342	ng	98
12) 1,3-Dichlorobenzene	6.910	146	46218	5.382	ng	98
13) 1,4-Dichlorobenzene	6.987	146	46918	5.431	ng	99
14) 1,2-Dichlorobenzene	7.140	146	43854	5.323	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.240	45	81065	5.518	ng	99
17) 2-Methylphenol	7.198	107	33834	5.158	ng	98
18) Hexachloroethane	7.487	117	13889	4.938	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	30747	5.277	ng	99
22) Acetophenone	7.363	105	61393	5.580	ng	95
24) Nitrobenzene	7.534	77	32206	4.100	ng	99
25) Isophorone	7.775	82	80494	5.118	ng	99
26) 2-Nitrophenol	7.857	139	7204	6.037	ng	96
27) 2,4-Dimethylphenol	7.887	122	37098	5.082	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	50637	5.310	ng	98
29) 2,4-Dichlorophenol	8.092	162	27047	4.529	ng	96
30) 1,2,4-Trichlorobenzene	8.187	180	36023	5.315	ng	99
31) Naphthalene	8.269	128	125461	5.535	ng	100
33) 4-Chloroaniline	8.310	127	47947	5.260	ng	98
34) Hexachlorobutadiene	8.392	225	21105	5.207	ng	98
36) 4-Chloro-3-methylphenol	8.775	107	32542	4.892	ng	96
37) 2-Methylnaphthalene	8.957	142	73511	5.436	ng	99
38) 1-Methylnaphthalene	9.057	142	77390	5.518	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	35579	5.286	ng	97
43) 2,4,6-Trichlorophenol	9.228	196	17295	4.135	ng	97
44) 2,4,5-Trichlorophenol	9.263	196	19416	4.427	ng	99
46) 1,1'-Biphenyl	9.422	154	101056	5.486	ng	99
47) 2-Chloronaphthalene	9.445	162	73385	5.423	ng	99
48) 2-Nitroaniline	9.528	65	10398	5.579	ng	91
49) Acenaphthylene	9.863	152	118965	5.276	ng	99
50) Dimethylphthalate	9.710	163	75659	5.207	ng	99
51) 2,6-Dinitrotoluene	9.769	165	7659	5.308	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	10.033	154	73531	5.526	ng		99
53) 3-Nitroaniline	9.933	138	10382	3.307	ng	#	90
55) Dibenzofuran	10.204	168	109432	5.518	ng		99
57) 2,4-Dinitrotoluene	10.169	165	8515	5.606	ng		87
58) Fluorene	10.551	166	85318	5.738	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	14610	4.192	ng	#	98
60) Diethylphthalate	10.416	149	70533	5.031	ng		98
61) 4-Chlorophenyl-phenyle...	10.539	204	38452	5.395	ng		96
62) 4-Nitroaniline	10.539	138	9779	3.581	ng		83
63) Azobenzene	10.698	77	82291	5.308	ng		99
66) n-Nitrosodiphenylamine	10.651	169	70293	5.231	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	22127	5.086	ng		95
68) Hexachlorobenzene	11.098	284	23819	5.160	ng		97
69) Atrazine	11.175	200	15103	4.393	ng		99
71) Phenanthrene	11.510	178	113784	5.511	ng		99
72) Anthracene	11.563	178	110778	5.335	ng		100
73) Carbazole	11.710	167	99235	5.335	ng		100
74) Di-n-butylphthalate	12.051	149	71352	4.179	ng		99
75) Fluoranthene	12.704	202	99884	5.320	ng		100
78) Pyrene	12.927	202	107389	5.436	ng		99
80) Butylbenzylphthalate	13.545	149	9546	5.646	ng		92
81) Benzo(a)anthracene	14.116	228	68990	4.863	ng		99
83) Chrysene	14.151	228	68451	5.239	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	14537	5.667	ng		100
87) Indeno(1,2,3-cd)pyrene	17.162	276	58565	4.521	ng		98
88) Benzo(b)fluoranthene	15.186	252	46276	4.607	ng		98
89) Benzo(k)fluoranthene	15.215	252	51177	5.340	ng		99
90) Benzo(a)pyrene	15.568	252	43046	4.531	ng		97
91) Dibenzo(a,h)anthracene	17.186	278	48506	4.581	ng		97
92) Benzo(g,h,i)perylene	17.627	276	49989	4.631	ng		98

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

ICAL Form

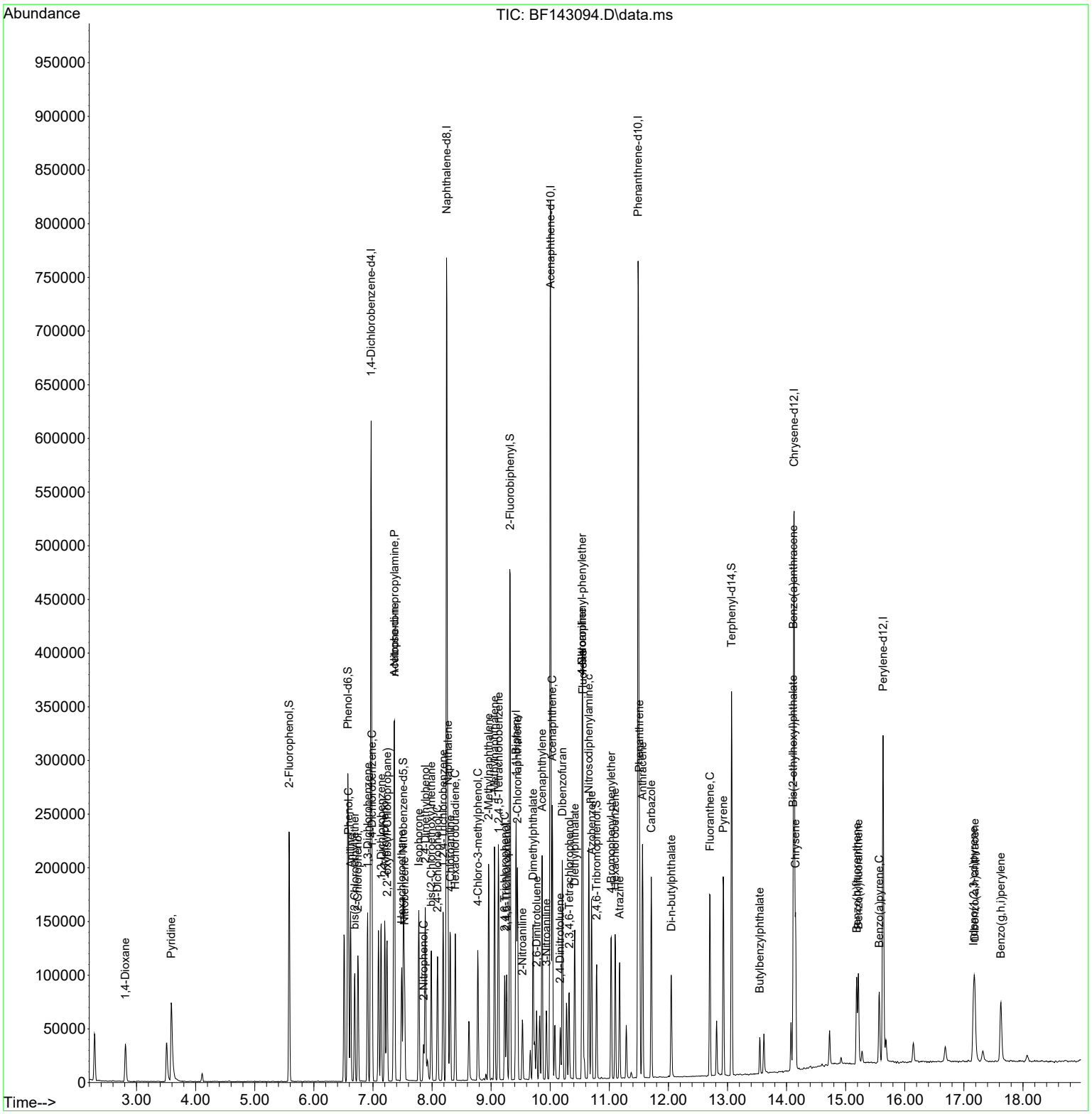
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129158	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	488635	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	248013	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	412977	20.000	ng		0.00
76) Chrysene-d12	14.127	240	231826	20.000	ng		0.00
86) Perylene-d12	15.633	264	195100	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	164234	20.090	ng		0.00
7) Phenol-d6	6.575	99	208774	20.317	ng		-0.01
23) Nitrobenzene-d5	7.516	82	156007m	17.910	ng		-0.01
42) 2,4,6-Tribromophenol	10.786	330	39055	17.661	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	407861	21.860	ng		0.00
79) Terphenyl-d14	13.069	244	340992	21.502	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	40980	10.070	ng		98
3) Pyridine	3.581	79	99499	9.656	ng		98
4) n-Nitrosodimethylamine	3.504	42	50912	9.536	ng	#	96
6) Aniline	6.622	93	145577	10.060	ng		99
8) 2-Chlorophenol	6.745	128	78009	9.498	ng		98
9) Benzaldehyde	6.510	77	77218	9.862	ng		97
10) Phenol	6.587	94	112508	10.114	ng		98
11) bis(2-Chloroethyl)ether	6.693	93	88047	10.224	ng		99
12) 1,3-Dichlorobenzene	6.910	146	95695	10.313	ng		99
13) 1,4-Dichlorobenzene	6.987	146	95134	10.191	ng		99
14) 1,2-Dichlorobenzene	7.140	146	90960	10.218	ng		100
15) Benzyl Alcohol	7.092	79	72743	9.554	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	163494	10.299	ng		99
17) 2-Methylphenol	7.204	107	69808	9.849	ng		99
18) Hexachloroethane	7.487	117	28400	9.345	ng		98
19) n-Nitroso-di-n-propyla...	7.363	70	63831	10.139	ng		95
20) 3+4-Methylphenols	7.351	107	90318	10.391	ng	#	83
22) Acetophenone	7.363	105	126127	10.708	ng		95
24) Nitrobenzene	7.540	77	77369	9.201	ng		97
25) Isophorone	7.775	82	167986	9.978	ng		99
26) 2-Nitrophenol	7.857	139	18432	8.966	ng		97
27) 2,4-Dimethylphenol	7.887	122	78706	10.072	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	106045	10.387	ng		98
29) 2,4-Dichlorophenol	8.092	162	62164	9.724	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	74581	10.280	ng		98
31) Naphthalene	8.269	128	256031	10.551	ng		99
32) Benzoic acid	7.939	122	19661m	10.880	ng		
33) 4-Chloroaniline	8.310	127	102550	10.510	ng		96
34) Hexachlorobutadiene	8.392	225	42959	9.901	ng		97
35) Caprolactam	8.634	113	17855	8.944	ng		99
36) 4-Chloro-3-methylphenol	8.775	107	70747	9.935	ng		97
37) 2-Methylnaphthalene	8.957	142	152822	10.557	ng		99
38) 1-Methylnaphthalene	9.057	142	161228	10.739	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	74348	10.287	ng		99
41) Hexachlorocyclopentadiene	9.122	237	31472	7.854	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	38748	8.628	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	45455	9.653	ng		98
46) 1,1'-Biphenyl	9.422	154	209259	10.580	ng		99
47) 2-Chloronaphthalene	9.445	162	149175	10.267	ng		99
48) 2-Nitroaniline	9.534	65	27816	9.163	ng		98
49) Acenaphthylene	9.863	152	249435	10.302	ng		100
50) Dimethylphthalate	9.710	163	156072	10.003	ng		100
51) 2,6-Dinitrotoluene	9.769	165	21789	9.451	ng		96
52) Acenaphthene	10.033	154	149318	10.451	ng		100
53) 3-Nitroaniline	9.939	138	28105	8.336	ng		98
54) 2,4-Dinitrophenol	10.039	184	4729	10.239	ng	#	1
55) Dibenzofuran	10.204	168	222555	10.451	ng		98
56) 4-Nitrophenol	10.081	139	20334	7.589	ng		97
57) 2,4-Dinitrotoluene	10.175	165	24420	9.293	ng	#	95
58) Fluorene	10.551	166	171975	10.771	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33995	9.084	ng		99
60) Diethylphthalate	10.416	149	150934	10.027	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	79583	10.400	ng		99
62) 4-Nitroaniline	10.545	138	25757	8.785	ng		96
63) Azobenzene	10.698	77	173437	10.418	ng		98
65) 4,6-Dinitro-2-methylph...	10.581	198	7158	10.290	ng		96
66) n-Nitrosodiphenylamine	10.651	169	146433	10.094	ng		98
67) 4-Bromophenyl-phenylether	11.033	248	45279	9.641	ng		97
68) Hexachlorobenzene	11.104	284	49035	9.840	ng		96
69) Atrazine	11.175	200	35230	9.492	ng		99
70) Pentachlorophenol	11.286	266	20245	7.405	ng		97
71) Phenanthrene	11.510	178	234601	10.526	ng		100
72) Anthracene	11.563	178	232459	10.372	ng		99
73) Carbazole	11.710	167	211853	10.551	ng		99
74) Di-n-butylphthalate	12.051	149	174639	9.475	ng		100
75) Fluoranthene	12.704	202	217346	10.725	ng		99
77) Benzidine	12.816	184	76979	9.747	ng		99
78) Pyrene	12.927	202	226752	10.542	ng		99
80) Butylbenzylphthalate	13.545	149	26977	9.210	ng		94
81) Benzo(a)anthracene	14.116	228	151099	9.781	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	36435	8.122	ng		99
83) Chrysene	14.151	228	142990	10.050	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	39724	9.073	ng		97
85) Di-n-octyl phthalate	14.727	149	54952	10.526	ng		96
87) Indeno(1,2,3-cd)pyrene	17.168	276	137620	9.484	ng		100
88) Benzo(b)fluoranthene	15.186	252	116154	10.321	ng		100
89) Benzo(k)fluoranthene	15.216	252	103994	9.686	ng		98
90) Benzo(a)pyrene	15.568	252	99366	9.336	ng		99
91) Dibenzo(a,h)anthracene	17.186	278	113316	9.553	ng		99
92) Benzo(g,h,i)perylene	17.627	276	115816	9.577	ng		98

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

ICAL Form

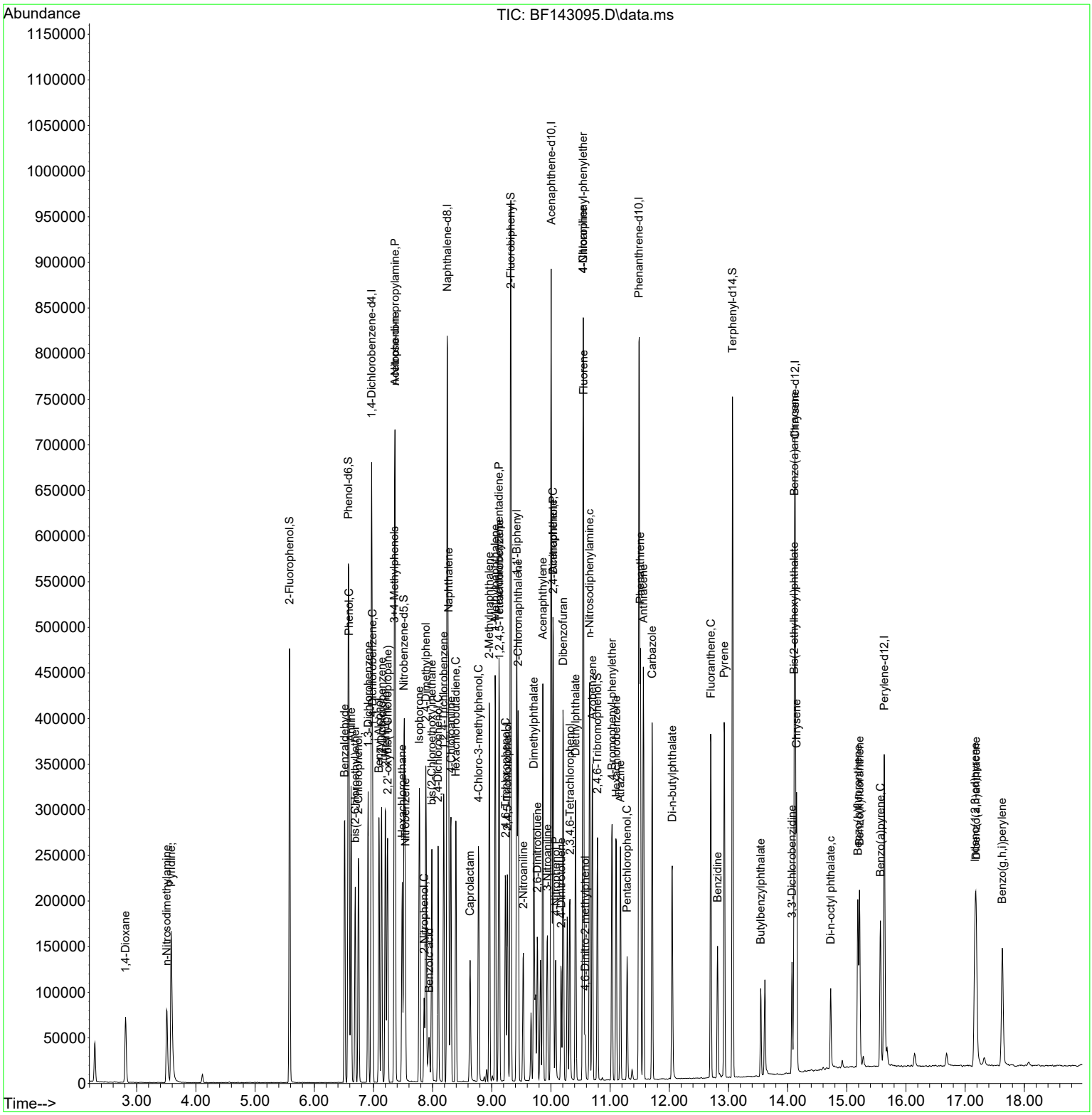
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153233	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579905	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283300	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	451524	20.000	ng	0.00
76) Chrysene-d12	14.127	240	236667	20.000	ng	0.00
86) Perylene-d12	15.633	264	262419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	402974	41.549	ng	0.00
7) Phenol-d6	6.581	99	502651	41.231	ng	0.00
23) Nitrobenzene-d5	7.522	82	420674m	40.693	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	102277	40.489	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	907497	42.581	ng	0.00
79) Terphenyl-d14	13.074	244	680179	42.012	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	98010	20.301	ng	99
3) Pyridine	3.581	79	247677	20.259	ng	99
4) n-Nitrosodimethylamine	3.516	42	126355	19.948	ng	100
6) Aniline	6.628	93	349337	20.349	ng	100
8) 2-Chlorophenol	6.751	128	202437	20.775	ng	98
9) Benzaldehyde	6.516	77	176058	18.952	ng	99
10) Phenol	6.592	94	273102m	20.693	ng	
11) bis(2-Chloroethyl)ether	6.692	93	209360	20.491	ng	98
12) 1,3-Dichlorobenzene	6.910	146	225218	20.458	ng	99
13) 1,4-Dichlorobenzene	6.987	146	230409	20.804	ng	99
14) 1,2-Dichlorobenzene	7.139	146	219102	20.745	ng	99
15) Benzyl Alcohol	7.098	79	184535	20.428	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	387425	20.571	ng	100
17) 2-Methylphenol	7.204	107	172219	20.480	ng	99
18) Hexachloroethane	7.486	117	74466	20.654	ng	100
19) n-Nitroso-di-n-propyla...	7.369	70	153555	20.559	ng	98
20) 3+4-Methylphenols	7.357	107	217393	21.080	ng	91
22) Acetophenone	7.369	105	289716	20.725	ng	98
24) Nitrobenzene	7.539	77	206781	20.721	ng	98
25) Isophorone	7.781	82	404382	20.239	ng	100
26) 2-Nitrophenol	7.857	139	61544	18.099	ng	98
27) 2,4-Dimethylphenol	7.886	122	188840	20.363	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	252183	20.814	ng	99
29) 2,4-Dichlorophenol	8.098	162	154978	20.427	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	177770	20.647	ng	99
31) Naphthalene	8.269	128	601316	20.881	ng	100
32) Benzoic acid	7.963	122	64517m	18.587	ng	
33) 4-Chloroaniline	8.310	127	239869	20.714	ng	98
34) Hexachlorobutadiene	8.392	225	106359	20.655	ng	100
35) Caprolactam	8.657	113	45418	19.171	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	171615	20.307	ng	99
37) 2-Methylnaphthalene	8.963	142	356378	20.744	ng	100
38) 1-Methylnaphthalene	9.063	142	365700	20.524	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	170678	20.673	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86596	18.918	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	106780	20.815	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	110466	20.537	ng	99
46) 1,1'-Biphenyl	9.422	154	473419	20.955	ng	100
47) 2-Chloronaphthalene	9.451	162	341636	20.584	ng	100
48) 2-Nitroaniline	9.533	65	83805	18.969	ng	99
49) Acenaphthylene	9.863	152	576265	20.837	ng	100
50) Dimethylphthalate	9.716	163	366019	20.536	ng	100
51) 2,6-Dinitrotoluene	9.775	165	62776	19.583	ng	96
52) Acenaphthene	10.039	154	332427	20.369	ng	100
53) 3-Nitroaniline	9.939	138	80094	20.797	ng	100
54) 2,4-Dinitrophenol	10.045	184	15826	19.749	ng	71
55) Dibenzofuran	10.210	168	505784	20.792	ng	100
56) 4-Nitrophenol	10.086	139	57072	18.647	ng	98
57) 2,4-Dinitrotoluene	10.175	165	71762	18.561	ng	95
58) Fluorene	10.551	166	376169	20.626	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	85620	20.030	ng	98
60) Diethylphthalate	10.422	149	356111	20.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	178641	20.436	ng	98
62) 4-Nitroaniline	10.551	138	67264	20.084	ng	98
63) Azobenzene	10.704	77	389419	20.478	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	23973	19.643	ng	94
66) n-Nitrosodiphenylamine	10.657	169	332248	20.948	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	105446	20.535	ng	98
68) Hexachlorobenzene	11.104	284	111727	20.507	ng	98
69) Atrazine	11.180	200	83181	20.499	ng	99
70) Pentachlorophenol	11.292	266	56380	18.862	ng	98
71) Phenanthrene	11.516	178	501521	20.581	ng	99
72) Anthracene	11.569	178	508525	20.752	ng	100
73) Carbazole	11.716	167	455047	20.728	ng	99
74) Di-n-butylphthalate	12.051	149	412206	20.456	ng	99
75) Fluoranthene	12.704	202	455455	20.556	ng	100
77) Benzidine	12.816	184	186115	23.083	ng	99
78) Pyrene	12.933	202	462715	21.072	ng	99
80) Butylbenzylphthalate	13.545	149	73439	18.875	ng	96
81) Benzo(a)anthracene	14.115	228	332795	21.102	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	96174	21.000	ng	99
83) Chrysene	14.157	228	286610	19.732	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	113349	19.236	ng	98
85) Di-n-octyl phthalate	14.727	149	192002	19.817	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	400422	20.516	ng	99
88) Benzo(b)fluoranthene	15.186	252	307312	20.302	ng	99
89) Benzo(k)fluoranthene	15.215	252	291618	20.194	ng	99
90) Benzo(a)pyrene	15.568	252	290809	20.313	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	332152	20.818	ng	99
92) Benzo(g,h,i)perylene	17.639	276	331447	20.376	ng	99

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

ICAL Form

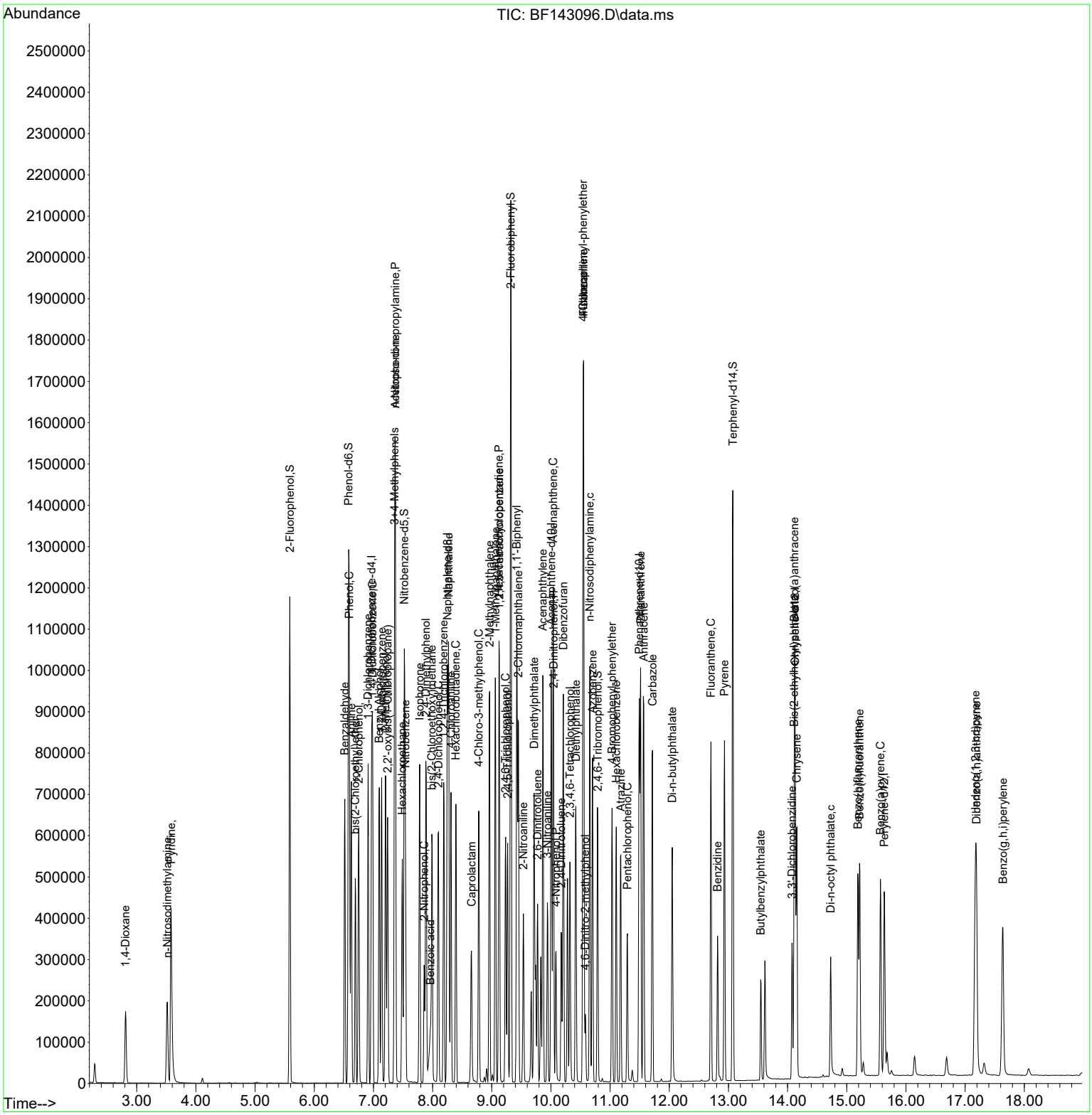
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	123440	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	466428	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	227730	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	369241	20.000	ng	0.00
76) Chrysene-d12	14.127	240	192349	20.000	ng	0.00
86) Perylene-d12	15.639	264	226517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	619840	79.335	ng	0.00
7) Phenol-d6	6.587	99	772641	78.673	ng	0.00
23) Nitrobenzene-d5	7.528	82	694498m	83.526	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	170969	84.198	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1326482	77.428	ng	0.00
79) Terphenyl-d14	13.074	244	1033540	78.547	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	154739	39.787	ng	100
3) Pyridine	3.581	79	393514	39.957	ng	100
4) n-Nitrosodimethylamine	3.522	42	201552	39.500	ng	100
6) Aniline	6.628	93	544405	39.365	ng	100
8) 2-Chlorophenol	6.751	128	314192	40.025	ng	100
9) Benzaldehyde	6.516	77	358216	47.869	ng	100
10) Phenol	6.598	94	421819m	39.676	ng	
11) bis(2-Chloroethyl)ether	6.698	93	323129	39.260	ng	100
12) 1,3-Dichlorobenzene	6.910	146	349154	39.371	ng	100
13) 1,4-Dichlorobenzene	6.987	146	348706	39.084	ng	100
14) 1,2-Dichlorobenzene	7.140	146	336818	39.587	ng	100
15) Benzyl Alcohol	7.098	79	288056	39.585	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.239	45	593735	39.134	ng	100
17) 2-Methylphenol	7.204	107	267472	39.484	ng	100
18) Hexachloroethane	7.487	117	116640	40.159	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	237958	39.549	ng	100
20) 3+4-Methylphenols	7.363	107	334719	40.291	ng	100
22) Acetophenone	7.375	105	437447	38.906	ng	100
24) Nitrobenzene	7.545	77	332013	41.364	ng	100
25) Isophorone	7.787	82	632327	39.346	ng	100
26) 2-Nitrophenol	7.863	139	112314	36.079	ng	100
27) 2,4-Dimethylphenol	7.892	122	298241	39.984	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	381576	39.155	ng	100
29) 2,4-Dichlorophenol	8.098	162	248676	40.752	ng	100
30) 1,2,4-Trichlorobenzene	8.192	180	274944	39.701	ng	100
31) Naphthalene	8.275	128	900967	38.898	ng	100
32) Benzoic acid	7.987	122	133968m	37.684	ng	
33) 4-Chloroaniline	8.310	127	371249	39.858	ng	100
34) Hexachlorobutadiene	8.392	225	165576	39.978	ng	100
35) Caprolactam	8.669	113	77472	40.657	ng	100
36) 4-Chloro-3-methylphenol	8.786	107	272885	40.145	ng	100
37) 2-Methylnaphthalene	8.963	142	540844	39.141	ng	100
38) 1-Methylnaphthalene	9.063	142	562696	39.263	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	263160	39.653	ng	100
41) Hexachlorocyclopentadiene	9.122	237	147221	40.011	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	171419	41.569	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	179101	41.422	ng	100
46) 1,1'-Biphenyl	9.428	154	713513	39.288	ng	100
47) 2-Chloronaphthalene	9.451	162	527800	39.561	ng	100
48) 2-Nitroaniline	9.533	65	149322	38.182	ng	100
49) Acenaphthylene	9.869	152	892054	40.126	ng	100
50) Dimethylphthalate	9.722	163	572658	39.971	ng	100
51) 2,6-Dinitrotoluene	9.775	165	106468	38.213	ng	100
52) Acenaphthene	10.039	154	513370	39.131	ng	100
53) 3-Nitroaniline	9.945	138	130953	42.301	ng	100
54) 2,4-Dinitrophenol	10.045	184	31236	37.582	ng	100
55) Dibenzofuran	10.210	168	772862	39.524	ng	100
56) 4-Nitrophenol	10.086	139	101948	41.436	ng	100
57) 2,4-Dinitrotoluene	10.180	165	134243	38.682	ng	100
58) Fluorene	10.551	166	567511	38.710	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	142027	41.334	ng	100
60) Diethylphthalate	10.422	149	557712	40.349	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	279817	39.822	ng	100
62) 4-Nitroaniline	10.557	138	113355	42.106	ng	100
63) Azobenzene	10.704	77	604710	39.558	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	47349	37.223	ng	100
66) n-Nitrosodiphenylamine	10.657	169	503590	38.827	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	164133	39.088	ng	100
68) Hexachlorobenzene	11.104	284	173911	39.034	ng	100
69) Atrazine	11.180	200	133416	40.206	ng	100
70) Pentachlorophenol	11.292	266	97625	39.938	ng	100
71) Phenanthrene	11.516	178	769372	38.609	ng	100
72) Anthracene	11.569	178	780754	38.961	ng	100
73) Carbazole	11.716	167	692468	38.572	ng	100
74) Di-n-butylphthalate	12.051	149	680394	41.288	ng	100
75) Fluoranthene	12.704	202	708736	39.115	ng	100
77) Benzidine	12.816	184	321029	48.989	ng	100
78) Pyrene	12.933	202	708631	39.706	ng	100
80) Butylbenzylphthalate	13.551	149	132061	37.625	ng	100
81) Benzo(a)anthracene	14.121	228	518137	40.424	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	148294	39.841	ng	100
83) Chrysene	14.157	228	461979	39.134	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	198176	37.454	ng	100
85) Di-n-octyl phthalate	14.727	149	354747	36.531	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	689277	40.912	ng	100
88) Benzo(b)fluoranthene	15.192	252	490240	37.520	ng	100
89) Benzo(k)fluoranthene	15.221	252	520058	41.721	ng	100
90) Benzo(a)pyrene	15.574	252	509307	41.215	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	561661	40.782	ng	100
92) Benzo(g,h,i)perylene	17.645	276	569850	40.584	ng	100

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

ICAL Form

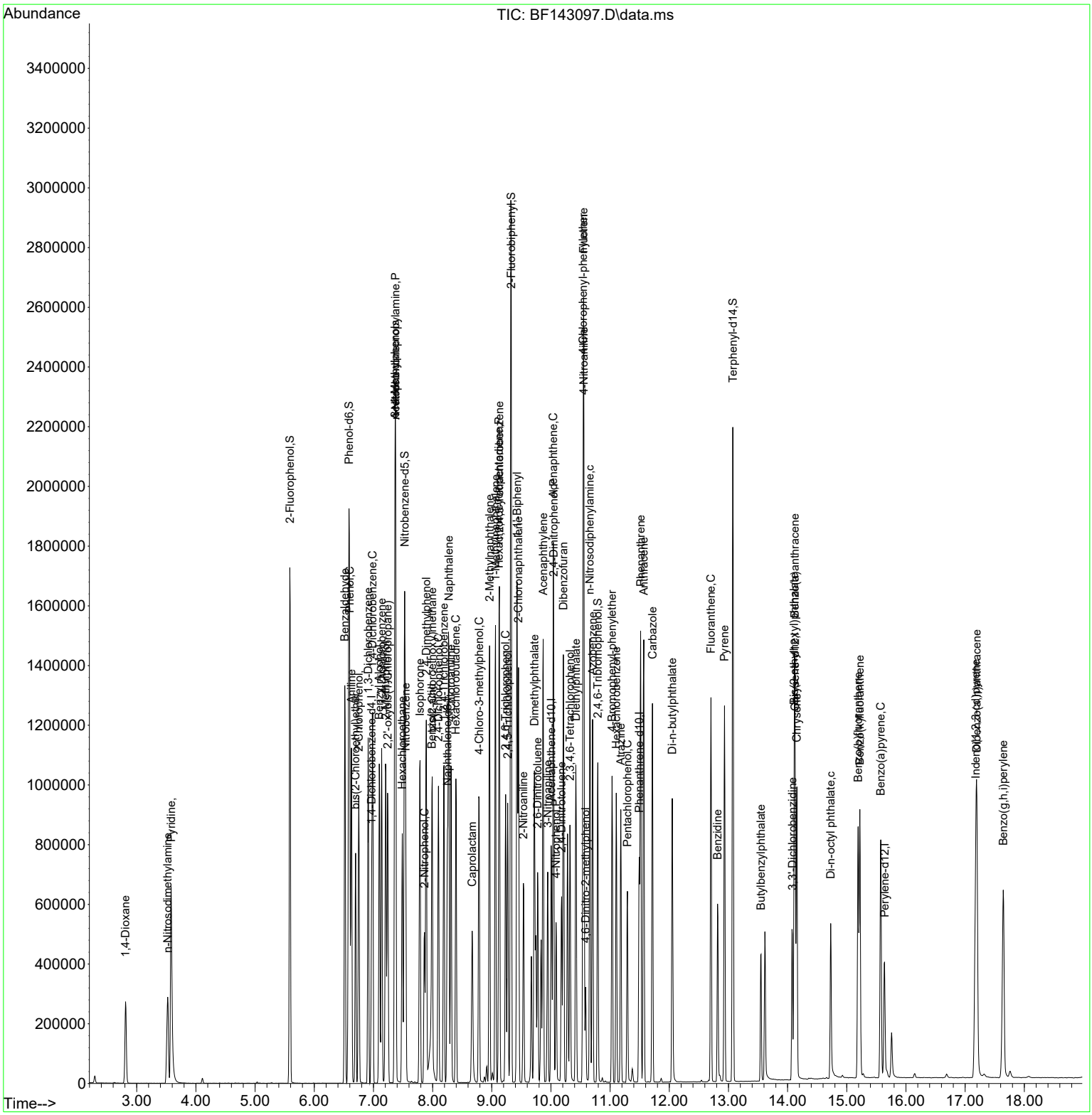
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119035	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	456501	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	223126	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	354075	20.000	ng	0.00
76) Chrysene-d12	14.127	240	183692	20.000	ng	0.00
86) Perylene-d12	15.633	264	221502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	776953	103.124	ng	0.00
7) Phenol-d6	6.587	99	978105	103.280	ng	0.00
23) Nitrobenzene-d5	7.528	82	911721	112.035	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	227678	114.439	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1628659	97.028	ng	0.00
79) Terphenyl-d14	13.075	244	1271626	101.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.811	88	196652	52.435	ng	99
3) Pyridine	3.581	79	500208	52.670	ng	99
4) n-Nitrosodimethylamine	3.528	42	261539	53.153	ng	100
6) Aniline	6.628	93	699680	52.465	ng	100
8) 2-Chlorophenol	6.751	128	405741	53.601	ng	100
9) Benzaldehyde	6.516	77	431994	59.864	ng	98
10) Phenol	6.598	94	529842m	51.680	ng	
11) bis(2-Chloroethyl)ether	6.698	93	408091	51.417	ng	98
12) 1,3-Dichlorobenzene	6.910	146	437876	51.203	ng	99
13) 1,4-Dichlorobenzene	6.987	146	441012	51.260	ng	100
14) 1,2-Dichlorobenzene	7.140	146	421724	51.401	ng	98
15) Benzyl Alcohol	7.104	79	373560	53.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	748892	51.187	ng	100
17) 2-Methylphenol	7.210	107	342357	52.409	ng	99
18) Hexachloroethane	7.487	117	148761	53.114	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	302685	52.169	ng	99
20) 3+4-Methylphenols	7.363	107	422794	52.776	ng	93
22) Acetophenone	7.375	105	549763	49.959	ng	97
24) Nitrobenzene	7.545	77	439273	55.918	ng	100
25) Isophorone	7.787	82	819274	52.088	ng	100
26) 2-Nitrophenol	7.863	139	160386	50.837	ng	99
27) 2,4-Dimethylphenol	7.893	122	379432	51.976	ng	100
28) bis(2-Chloroethoxy)met...	7.993	93	483608	50.704	ng	99
29) 2,4-Dichlorophenol	8.098	162	319968	53.575	ng	99
30) 1,2,4-Trichlorobenzene	8.193	180	345389	50.958	ng	99
31) Naphthalene	8.275	128	1126659	49.700	ng	100
32) Benzoic acid	7.998	122	180966	49.535	ng	98
33) 4-Chloroaniline	8.310	127	467074	51.237	ng	99
34) Hexachlorobutadiene	8.392	225	207797	51.263	ng	98
35) Caprolactam	8.681	113	99144	53.162	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	350906	52.746	ng	98
37) 2-Methylnaphthalene	8.963	142	681726	50.410	ng	99
38) 1-Methylnaphthalene	9.063	142	701548	50.016	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	335206	51.551	ng	100
41) Hexachlorocyclopentadiene	9.122	237	198811	55.147	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	223131	55.226	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	232905	54.977	ng		99
46) 1,1'-Biphenyl	9.428	154	897834	50.458	ng		100
47) 2-Chloronaphthalene	9.451	162	666760	51.007	ng		100
48) 2-Nitroaniline	9.539	65	207291	52.775	ng		98
49) Acenaphthylene	9.869	152	1109586	50.940	ng		99
50) Dimethylphthalate	9.722	163	726121	51.728	ng		100
51) 2,6-Dinitrotoluene	9.781	165	146385	52.497	ng		92
52) Acenaphthene	10.039	154	651291	50.669	ng		100
53) 3-Nitroaniline	9.945	138	177602	58.553	ng		99
54) 2,4-Dinitrophenol	10.051	184	47800	51.931	ng	#	1
55) Dibenzofuran	10.210	168	964545	50.344	ng		100
56) 4-Nitrophenol	10.092	139	133073	55.203	ng		98
57) 2,4-Dinitrotoluene	10.181	165	181610	52.116	ng		99
58) Fluorene	10.557	166	716173	49.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189211	56.202	ng		98
60) Diethylphthalate	10.422	149	702995	51.909	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	348876	50.675	ng		99
62) 4-Nitroaniline	10.557	138	150470	57.045	ng		99
63) Azobenzene	10.704	77	770603	51.451	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	70324	51.847	ng		92
66) n-Nitrosodiphenylamine	10.663	169	634539	51.019	ng		100
67) 4-Bromophenyl-phenylether	11.034	248	211371	52.494	ng		99
68) Hexachlorobenzene	11.104	284	221245	51.785	ng		98
69) Atrazine	11.181	200	172972	54.359	ng		98
70) Pentachlorophenol	11.292	266	131545	56.120	ng		99
71) Phenanthrene	11.516	178	963568	50.425	ng		100
72) Anthracene	11.569	178	979118	50.953	ng		99
73) Carbazole	11.716	167	883827	51.340	ng		100
74) Di-n-butylphthalate	12.051	149	870362	55.079	ng		100
75) Fluoranthene	12.704	202	883558	50.852	ng		100
77) Benzidine	12.816	184	309313	49.425	ng		99
78) Pyrene	12.933	202	880826	51.681	ng		99
80) Butylbenzylphthalate	13.545	149	176615	51.324	ng		96
81) Benzo(a)anthracene	14.122	228	644353	52.641	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	196472	55.273	ng		100
83) Chrysene	14.157	228	583302	51.740	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	265225	51.119	ng		99
85) Di-n-octyl phthalate	14.727	149	492840	50.100	ng		99
87) Indeno(1,2,3-cd)pyrene	17.180	276	896872	54.440	ng		100
88) Benzo(b)fluoranthene	15.192	252	718106	56.204	ng		100
89) Benzo(k)fluoranthene	15.221	252	602261	49.410	ng		100
90) Benzo(a)pyrene	15.574	252	662193	54.800	ng		99
91) Dibenzo(a,h)anthracene	17.204	278	736672	54.700	ng		99
92) Benzo(g,h,i)perylene	17.651	276	746789	54.390	ng		98

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

ICAL Form

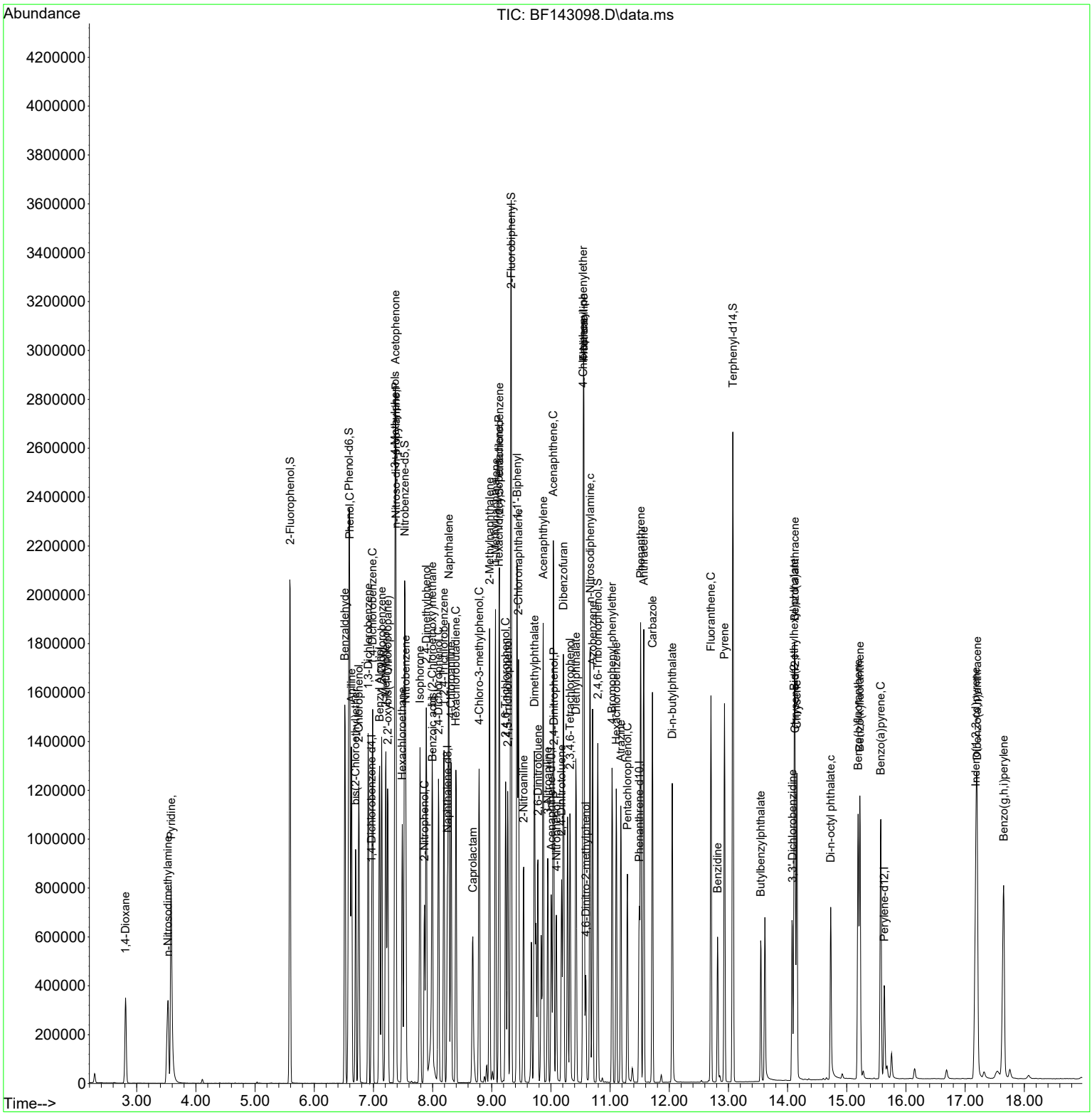
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	133949	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	501735	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	246002	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	380313	20.000	ng		0.00
76) Chrysene-d12	14.133	240	205942	20.000	ng		0.00
86) Perylene-d12	15.639	264	260121	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	990040	116.776	ng		0.00
7) Phenol-d6	6.593	99	1243617	116.695	ng		0.00
23) Nitrobenzene-d5	7.534	82	1172838	131.129	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	286830	130.765	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	1999612	108.050	ng		0.00
79) Terphenyl-d14	13.075	244	1539271	109.260	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	251636	59.625	ng		100
3) Pyridine	3.587	79	647877	60.624	ng		99
4) n-Nitrosodimethylamine	3.534	42	337438	60.943	ng		100
6) Aniline	6.634	93	882633	58.815	ng		100
8) 2-Chlorophenol	6.757	128	516965	60.690	ng		98
9) Benzaldehyde	6.522	77	467499	57.571	ng		99
10) Phenol	6.604	94	680847m	59.015	ng		
11) bis(2-Chloroethyl)ether	6.704	93	518695	58.076	ng		99
12) 1,3-Dichlorobenzene	6.916	146	557813	57.965	ng		99
13) 1,4-Dichlorobenzene	6.987	146	556805	57.513	ng		99
14) 1,2-Dichlorobenzene	7.140	146	530965	57.510	ng		98
15) Benzyl Alcohol	7.104	79	477773	60.505	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.245	45	941009	57.157	ng		99
17) 2-Methylphenol	7.210	107	432787	58.876	ng		99
18) Hexachloroethane	7.487	117	191457	60.747	ng		99
19) n-Nitroso-di-n-propyla...	7.387	70	379882	58.184	ng		98
20) 3+4-Methylphenols	7.369	107	519658	57.645	ng		98
22) Acetophenone	7.375	105	679007	56.141	ng	#	92
24) Nitrobenzene	7.551	77	550668	63.778	ng		99
25) Isophorone	7.793	82	1033650	59.793	ng		100
26) 2-Nitrophenol	7.863	139	219665	62.382	ng		98
27) 2,4-Dimethylphenol	7.898	122	474411	59.127	ng		98
28) bis(2-Chloroethoxy)met...	7.992	93	608314	58.029	ng		100
29) 2,4-Dichlorophenol	8.104	162	408655	62.256	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	431427	57.913	ng		98
31) Naphthalene	8.275	128	1410509	56.612	ng		100
32) Benzoic acid	8.010	122	256755m	62.050	ng		
33) 4-Chloroaniline	8.316	127	574196	57.309	ng		99
34) Hexachlorobutadiene	8.398	225	265081	59.499	ng		99
35) Caprolactam	8.687	113	129583	63.219	ng		97
36) 4-Chloro-3-methylphenol	8.792	107	440907	60.299	ng		98
37) 2-Methylnaphthalene	8.963	142	846190	56.930	ng		100
38) 1-Methylnaphthalene	9.063	142	869460	56.399	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	414099	57.762	ng		99
41) Hexachlorocyclopentadiene	9.122	237	262731	66.101	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	290245	65.157	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	277922	59.502	ng		99
46) 1,1'-Biphenyl	9.428	154	1103990	56.274	ng		100
47) 2-Chloronaphthalene	9.451	162	826528	57.350	ng		98
48) 2-Nitroaniline	9.539	65	267636	61.259	ng		98
49) Acenaphthylene	9.869	152	1378196	57.388	ng		100
50) Dimethylphthalate	9.728	163	899456	58.118	ng		100
51) 2,6-Dinitrotoluene	9.781	165	193185	62.287	ng		93
52) Acenaphthene	10.045	154	802583	56.633	ng		99
53) 3-Nitroaniline	9.951	138	230773	69.008	ng		96
54) 2,4-Dinitrophenol	10.051	184	66479	61.314	ng	#	4
55) Dibenzofuran	10.216	168	1184002	56.052	ng		100
56) 4-Nitrophenol	10.098	139	174657	65.716	ng		96
57) 2,4-Dinitrotoluene	10.186	165	235488	60.695	ng		99
58) Fluorene	10.557	166	875218	55.265	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	238428	64.235	ng		98
60) Diethylphthalate	10.428	149	876047	58.672	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	432659	57.000	ng		99
62) 4-Nitroaniline	10.563	138	194271	66.802	ng		97
63) Azobenzene	10.704	77	946204	57.300	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	96305	62.285	ng		98
66) n-Nitrosodiphenylamine	10.663	169	781087	58.469	ng		100
67) 4-Bromophenyl-phenylether	11.039	248	260491	60.229	ng		96
68) Hexachlorobenzene	11.110	284	273112	59.515	ng		95
69) Atrazine	11.186	200	211351	61.838	ng		99
70) Pentachlorophenol	11.292	266	165676	65.805	ng		99
71) Phenanthrene	11.516	178	1165047	56.762	ng		99
72) Anthracene	11.569	178	1188635	57.589	ng		100
73) Carbazole	11.716	167	1057291	57.179	ng		100
74) Di-n-butylphthalate	12.051	149	1074246	63.291	ng		100
75) Fluoranthene	12.704	202	1069898	57.328	ng		100
77) Benzidine	12.816	184	380587	54.244	ng		100
78) Pyrene	12.933	202	1060216	55.485	ng		99
80) Butylbenzylphthalate	13.551	149	243805	62.406	ng		98
81) Benzo(a)anthracene	14.122	228	819246	59.697	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	254086	63.758	ng		99
83) Chrysene	14.157	228	758916	60.044	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	364902	61.957	ng		100
85) Di-n-octyl phthalate	14.727	149	688940	60.817	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1185702	61.286	ng		99
88) Benzo(b)fluoranthene	15.192	252	924866	61.640	ng		100
89) Benzo(k)fluoranthene	15.227	252	827274	57.794	ng		99
90) Benzo(a)pyrene	15.574	252	876856	61.791	ng		100
91) Dibenzo(a,h)anthracene	17.210	278	953666	60.300	ng		99
92) Benzo(g,h,i)perylene	17.657	276	982960	60.962	ng		99

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

ICAL Form

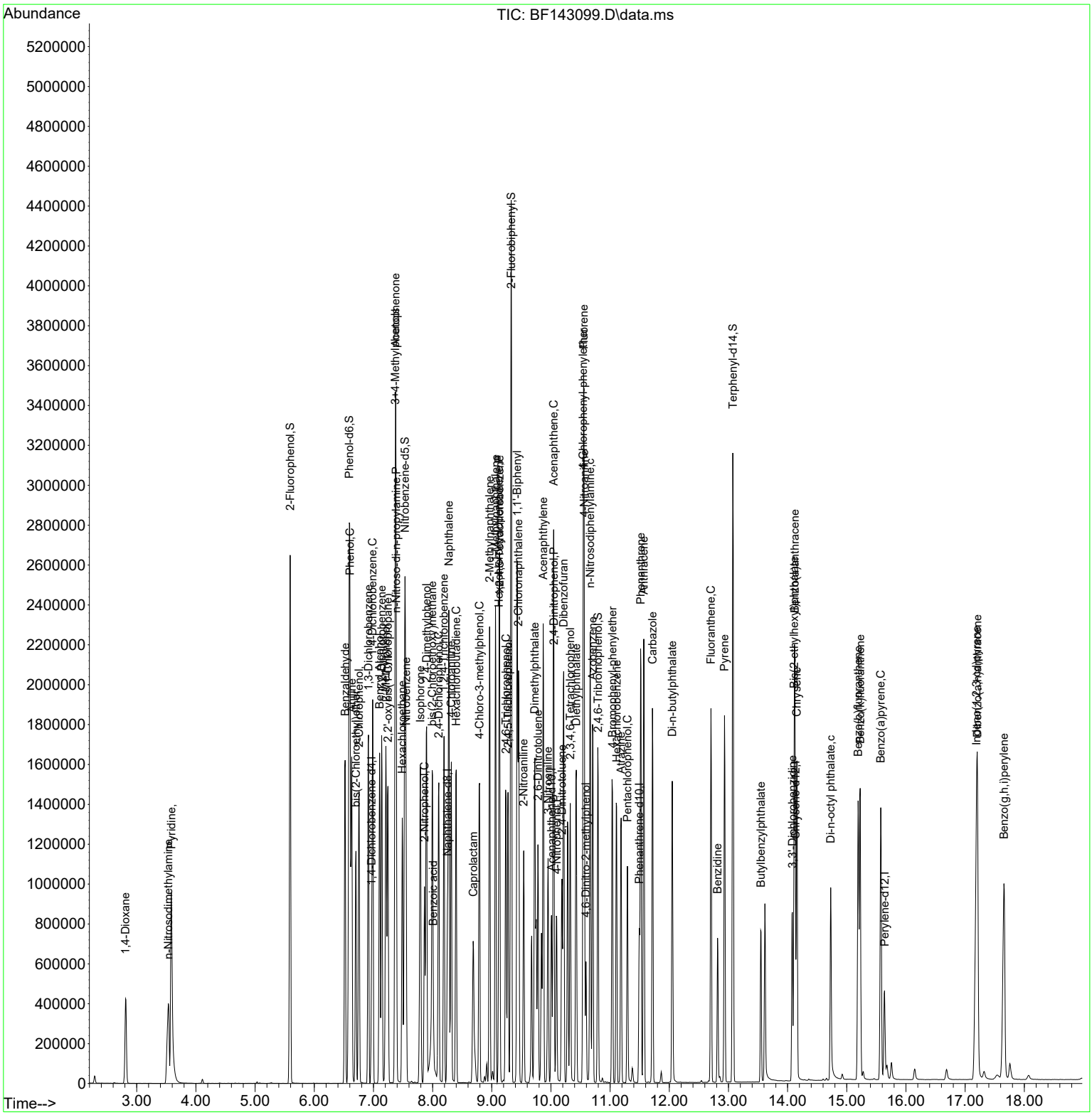
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129576	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	487361	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	236260	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	362117	20.000	ng		0.00
76) Chrysene-d12	14.133	240	196411	20.000	ng		0.00
86) Perylene-d12	15.639	264	256691	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	1189824	145.077	ng		0.00
7) Phenol-d6	6.593	99	1493965	144.917	ng		0.00
23) Nitrobenzene-d5	7.534	82	1441614	165.933	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	355830	168.911	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	2339151	131.609	ng		0.00
79) Terphenyl-d14	13.075	244	1779829	132.466	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.805	88	303852	74.427	ng		100
3) Pyridine	3.581	79	787323	76.158	ng		99
4) n-Nitrosodimethylamine	3.534	42	421072	78.614	ng		100
6) Aniline	6.634	93	1072162	73.855	ng		100
8) 2-Chlorophenol	6.757	128	628294	76.249	ng		99
9) Benzaldehyde	6.522	77	447861	57.014	ng		99
10) Phenol	6.610	94	820918m	73.558	ng		
11) bis(2-Chloroethyl)ether	6.704	93	626821	72.551	ng		98
12) 1,3-Dichlorobenzene	6.916	146	666489	71.595	ng		100
13) 1,4-Dichlorobenzene	6.987	146	669586	71.496	ng		99
14) 1,2-Dichlorobenzene	7.145	146	643168	72.014	ng		99
15) Benzyl Alcohol	7.104	79	586953	76.840	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.245	45	1125357	70.661	ng		98
17) 2-Methylphenol	7.216	107	536428	75.438	ng		99
18) Hexachloroethane	7.487	117	235713	77.313	ng		99
19) n-Nitroso-di-n-propyla...	7.393	70	464705	73.578	ng		98
20) 3+4-Methylphenols	7.369	107	616275	70.670	ng		95
22) Acetophenone	7.381	105	817243	69.563	ng	#	95
24) Nitrobenzene	7.551	77	676569	80.671	ng		99
25) Isophorone	7.798	82	1269015	75.573	ng		100
26) 2-Nitrophenol	7.863	139	287169	82.598	ng		98
27) 2,4-Dimethylphenol	7.898	122	582059	74.683	ng		98
28) bis(2-Chloroethoxy)met...	7.998	93	731977	71.885	ng		100
29) 2,4-Dichlorophenol	8.104	162	496027	77.795	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	520808	71.974	ng		98
31) Naphthalene	8.275	128	1711163	70.704	ng		100
32) Benzoic acid	8.022	122	336178	81.374	ng		99
33) 4-Chloroaniline	8.316	127	688999	70.795	ng		99
34) Hexachlorobutadiene	8.398	225	318274	73.546	ng		98
35) Caprolactam	8.698	113	161466	81.097	ng		94
36) 4-Chloro-3-methylphenol	8.792	107	539340	75.937	ng		97
37) 2-Methylnaphthalene	8.963	142	1021312	70.738	ng		99
38) 1-Methylnaphthalene	9.063	142	1047560	69.955	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	493246	71.639	ng		99
41) Hexachlorocyclopentadiene	9.128	237	324865	85.103	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	355839	83.176	ng		98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	357298	79.651	ng		99
46) 1,1'-Biphenyl	9.428	154	1307947	69.419	ng		99
47) 2-Chloronaphthalene	9.457	162	990436	71.557	ng		99
48) 2-Nitroaniline	9.539	65	335875	79.074	ng		99
49) Acenaphthylene	9.875	152	1650097	71.544	ng		99
50) Dimethylphthalate	9.728	163	1104756	74.327	ng		100
51) 2,6-Dinitrotoluene	9.787	165	233478	77.660	ng		91
52) Acenaphthene	10.045	154	975285	71.657	ng		99
53) 3-Nitroaniline	9.951	138	279161	86.920	ng		99
54) 2,4-Dinitrophenol	10.057	184	91751	79.064	ng	#	1
55) Dibenzofuran	10.216	168	1432458	70.610	ng		100
56) 4-Nitrophenol	10.098	139	219224	85.886	ng		97
57) 2,4-Dinitrotoluene	10.186	165	302558	80.048	ng		99
58) Fluorene	10.557	166	1043990	68.640	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	291933	81.893	ng		99
60) Diethylphthalate	10.428	149	1067815	74.464	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	524910	72.005	ng		98
62) 4-Nitroaniline	10.569	138	244461	87.527	ng		97
63) Azobenzene	10.710	77	1141613	71.985	ng		98
65) 4,6-Dinitro-2-methylph...	10.598	198	125251	78.600	ng		96
66) n-Nitrosodiphenylamine	10.663	169	947890	74.520	ng		99
67) 4-Bromophenyl-phenylether	11.039	248	316619	76.885	ng		97
68) Hexachlorobenzene	11.110	284	333899	76.417	ng		96
69) Atrazine	11.186	200	266668	81.943	ng		97
70) Pentachlorophenol	11.292	266	210729	87.905	ng		99
71) Phenanthrene	11.522	178	1401500	71.714	ng		99
72) Anthracene	11.569	178	1423259	72.421	ng		99
73) Carbazole	11.716	167	1264053	71.796	ng		100
74) Di-n-butylphthalate	12.051	149	1299711	80.422	ng		100
75) Fluoranthene	12.704	202	1258479	70.821	ng		99
77) Benzidine	12.816	184	403599	60.315	ng		99
78) Pyrene	12.933	202	1244953	68.315	ng		99
80) Butylbenzylphthalate	13.551	149	301525	79.914	ng		99
81) Benzo(a)anthracene	14.122	228	979909	74.870	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	296061	77.896	ng		99
83) Chrysene	14.157	228	913035	75.743	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	458210	80.495	ng		99
85) Di-n-octyl phthalate	14.727	149	916748	82.209	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1509813	79.082	ng		98
88) Benzo(b)fluoranthene	15.198	252	1115815	75.360	ng		99
89) Benzo(k)fluoranthene	15.227	252	1083939	76.736	ng		99
90) Benzo(a)pyrene	15.580	252	1107280	79.071	ng		99
91) Dibenzo(a,h)anthracene	17.215	278	1209971	77.528	ng		98
92) Benzo(g,h,i)perylene	17.668	276	1246206	78.321	ng		98

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

ICAL Form

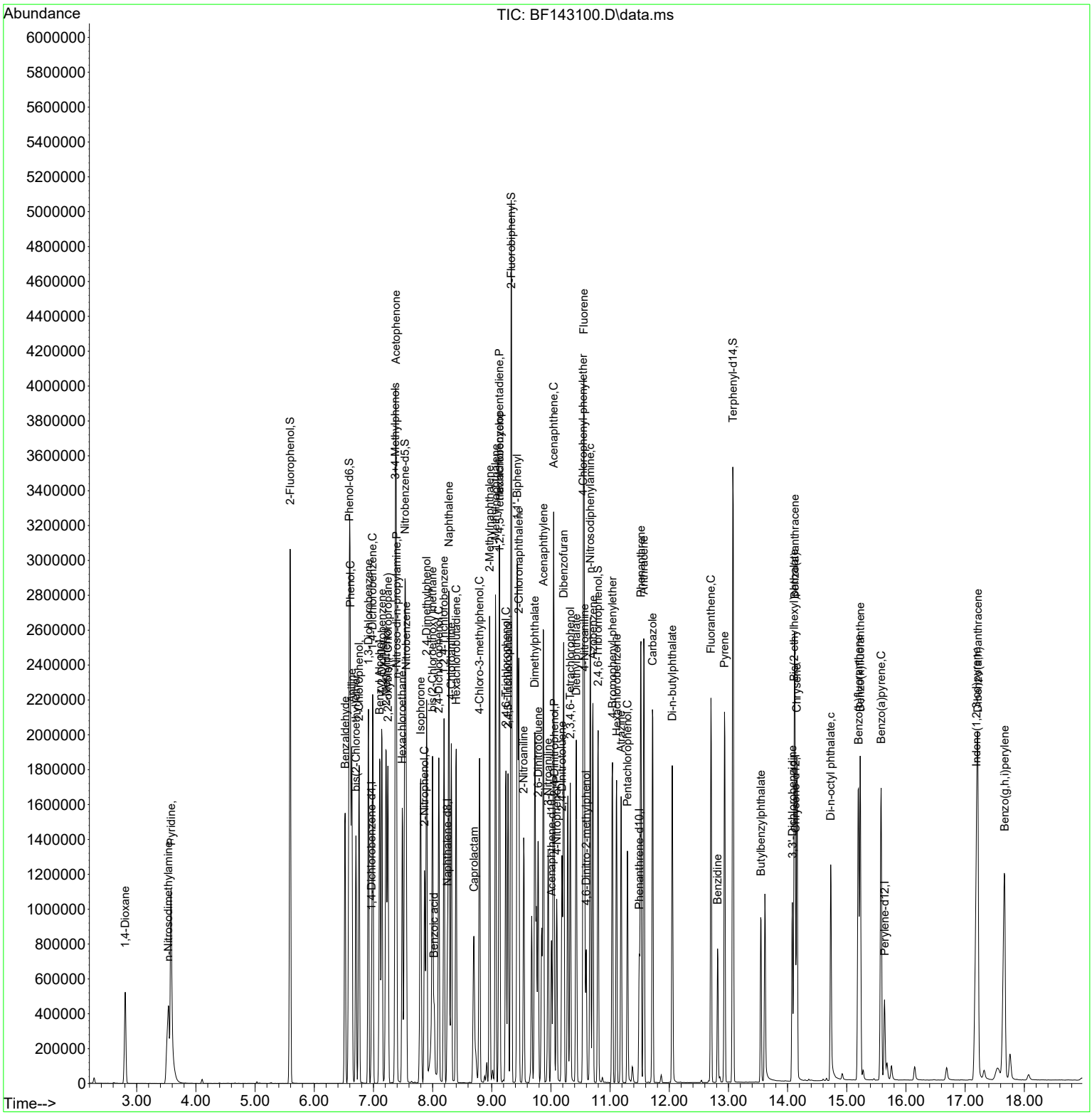
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130235	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	496378	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248221	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398969	20.000	ng	0.00
76) Chrysene-d12	14.133	240	215152	20.000	ng	0.00
86) Perylene-d12	15.639	264	235493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	649544	78.799	ng	0.00
7) Phenol-d6	6.587	99	814393	78.598	ng	0.00
23) Nitrobenzene-d5	7.528	82	692735m	78.289	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	190277	85.971	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1290148	69.090	ng	0.00
79) Terphenyl-d14	13.074	244	1064372	72.317	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	156917	38.242	ng	99
3) Pyridine	3.581	79	426106	41.009	ng	99
4) n-Nitrosodimethylamine	3.522	42	223240	41.468	ng	98
6) Aniline	6.628	93	598787	41.038	ng	100
8) 2-Chlorophenol	6.751	128	351129	42.397	ng	99
9) Benzaldehyde	6.516	77	293033	37.115	ng	99
10) Phenol	6.598	94	467536m	41.681	ng	
11) bis(2-Chloroethyl)ether	6.698	93	354713	40.848	ng	99
12) 1,3-Dichlorobenzene	6.910	146	380756	40.694	ng	100
13) 1,4-Dichlorobenzene	6.987	146	381590	40.539	ng	100
14) 1,2-Dichlorobenzene	7.139	146	366082	40.782	ng	99
15) Benzyl Alcohol	7.098	79	325035	42.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	644651	40.273	ng	100
17) 2-Methylphenol	7.204	107	296835	41.532	ng	99
18) Hexachloroethane	7.486	117	132499	43.239	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	266499	41.982	ng	100
20) 3+4-Methylphenols	7.363	107	368618	42.057	ng	99
22) Acetophenone	7.375	105	482823	40.351	ng	99
24) Nitrobenzene	7.545	77	381374	44.647	ng	99
25) Isophorone	7.786	82	704424	41.188	ng	100
26) 2-Nitrophenol	7.863	139	150156	44.317	ng	100
27) 2,4-Dimethylphenol	7.892	122	333899	42.064	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	423022	40.789	ng	100
29) 2,4-Dichlorophenol	8.098	162	283011	43.580	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	303602	41.194	ng	99
31) Naphthalene	8.275	128	999363	40.543	ng	99
32) Benzoic acid	7.986	122	169020m	43.449	ng	
33) 4-Chloroaniline	8.310	127	408741	41.236	ng	99
34) Hexachlorobutadiene	8.392	225	182140	41.324	ng	99
35) Caprolactam	8.675	113	88286	43.536	ng	95
36) 4-Chloro-3-methylphenol	8.786	107	306624	42.387	ng	99
37) 2-Methylnaphthalene	8.963	142	597819	40.654	ng	100
38) 1-Methylnaphthalene	9.063	142	624130	40.922	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	293187	40.531	ng	99
41) Hexachlorocyclopentadiene	9.122	237	180819	45.086	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	197565	43.955	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	202658	43.001	ng		99
46) 1,1'-Biphenyl	9.428	154	799467	40.387	ng		100
47) 2-Chloronaphthalene	9.451	162	584687	40.207	ng		100
48) 2-Nitroaniline	9.539	65	185847	43.148	ng		96
49) Acenaphthylene	9.869	152	987106	40.736	ng		99
50) Dimethylphthalate	9.722	163	644618	41.279	ng		100
51) 2,6-Dinitrotoluene	9.780	165	132241	43.156	ng		92
52) Acenaphthene	10.039	154	571724	39.982	ng		99
53) 3-Nitroaniline	9.945	138	160978	47.707	ng		99
54) 2,4-Dinitrophenol	10.051	184	46465	47.113	ng	#	1
55) Dibenzofuran	10.210	168	858944	40.300	ng		100
56) 4-Nitrophenol	10.092	139	122610	45.720	ng		96
57) 2,4-Dinitrotoluene	10.180	165	168227	43.964	ng		99
58) Fluorene	10.557	166	634897	39.732	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	168172	44.902	ng		98
60) Diethylphthalate	10.422	149	637247	42.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	313111	40.882	ng		98
62) 4-Nitroaniline	10.557	138	139342	47.486	ng		98
63) Azobenzene	10.704	77	680354	40.833	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	65266	44.754	ng		98
66) n-Nitrosodiphenylamine	10.663	169	563086	40.179	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	189573	41.782	ng		100
68) Hexachlorobenzene	11.104	284	196969	40.915	ng		99
69) Atrazine	11.180	200	158741	44.273	ng		98
70) Pentachlorophenol	11.292	266	118797	44.978	ng		99
71) Phenanthrene	11.516	178	871369	40.469	ng		100
72) Anthracene	11.569	178	887738	40.999	ng		100
73) Carbazole	11.716	167	791886	40.823	ng		99
74) Di-n-butylphthalate	12.051	149	820833	46.099	ng		100
75) Fluoranthene	12.704	202	824497	42.113	ng		100
77) Benzidine	12.816	184	350573	47.827	ng		98
78) Pyrene	12.933	202	820201	41.087	ng		100
80) Butylbenzylphthalate	13.551	149	172390	43.340	ng		100
81) Benzo(a)anthracene	14.121	228	583794	40.719	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	183371	44.044	ng		99
83) Chrysene	14.157	228	530018	40.139	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	239329	40.166	ng		99
85) Di-n-octyl phthalate	14.727	149	424959	38.648	ng		100
87) Indeno(1,2,3-cd)pyrene	17.186	276	744447	42.503	ng		100
88) Benzo(b)fluoranthene	15.192	252	594727	43.782	ng		100
89) Benzo(k)fluoranthene	15.221	252	513977	39.662	ng		99
90) Benzo(a)pyrene	15.574	252	548875	42.724	ng		99
91) Dibenzo(a,h)anthracene	17.203	278	611881	42.735	ng		99
92) Benzo(g,h,i)perylene	17.651	276	632939	43.359	ng		99

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

ICAL Form

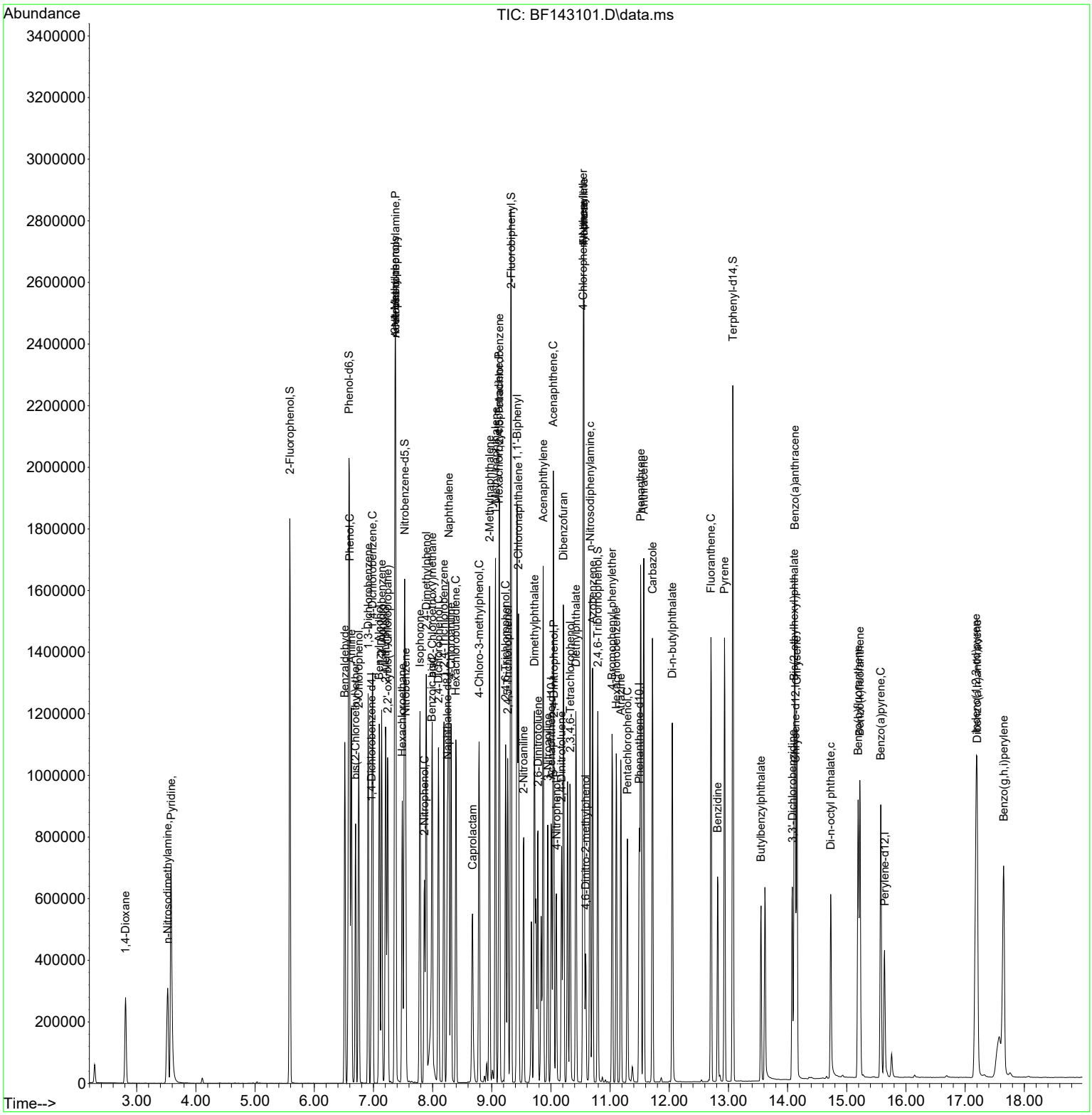
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.630	0.602	4.4	101	0.00
3		Pyridine	1.596	1.636	-2.5	108	0.00
4		n-Nitrosodimethylamine	0.827	0.857	-3.6	111	0.00
5	S	2-Fluorophenol	1.266	1.247	1.5	105	0.00
6		Aniline	2.241	2.299	-2.6	110	0.00
7	S	Phenol-d6	1.591	1.563	1.8	105	0.00
8		2-Chlorophenol	1.272	1.348	-6.0	112	0.00
9		Benzaldehyde	1.212	1.125	7.2	82	0.00
10	C	Phenol	1.723	1.795	-4.2	111	0.00
11		bis(2-Chloroethyl)ether	1.334	1.362	-2.1	110	0.00
12		1,3-Dichlorobenzene	1.437	1.462	-1.7	109	0.00
13	C	1,4-Dichlorobenzene	1.446	1.465	-1.3	109	0.00
14		1,2-Dichlorobenzene	1.379	1.405	-1.9	109	0.00
15		Benzyl Alcohol	1.179	1.248	-5.9	113	0.00
16		2,2'-oxybis(1-Chloropropane	2.458	2.475	-0.7	109	0.00
17		2-Methylphenol	1.098	1.140	-3.8	111	0.00
18		Hexachloroethane	0.471	0.509	-8.1	114	0.00
19	P	n-Nitroso-di-n-propylamine	0.975	1.023	-4.9	112	0.00
20		3+4-Methylphenols	1.346	1.415	-5.1	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.482	0.486	-0.8	110	0.00
23	S	Nitrobenzene-d5	0.357	0.349	2.2	100	0.00
24		Nitrobenzene	0.344	0.384	-11.6	115	0.00
25		Isophorone	0.689	0.710	-3.0	111	0.00
26	C	2-Nitrophenol	0.114	0.151	-32.5#	134	0.00
27		2,4-Dimethylphenol	0.320	0.336	-5.0	112	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.426	-1.9	111	0.00
29	C	2,4-Dichlorophenol	0.262	0.285	-8.8	114	0.00
30		1,2,4-Trichlorobenzene	0.297	0.306	-3.0	110	0.00
31		Naphthalene	0.993	1.007	-1.4	111	0.00
32		Benzoic acid	0.139	0.170	-22.3	126	0.00
33		4-Chloroaniline	0.399	0.412	-3.3	110	0.00
34	C	Hexachlorobutadiene	0.178	0.183	-2.8	110	0.00
35		Caprolactam	0.082	0.089	-8.5	114	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.309	-6.2	112	0.00
37		2-Methylnaphthalene	0.592	0.602	-1.7	111	0.00
38		1-Methylnaphthalene	0.615	0.629	-2.3	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.583	0.591	-1.4	111	0.00
41	P	Hexachlorocyclopentadiene	0.323	0.364	-12.7	123	0.00
42	S	2,4,6-Tribromophenol	0.178	0.192	-7.9	111	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.398	-9.9	115	0.00
44		2,4,5-Trichlorophenol	0.380	0.408	-7.4	113	0.00
45	S	2-Fluorobiphenyl	1.505	1.299	13.7	97	0.00
46		1,1'-Biphenyl	1.595	1.610	-0.9	112	0.00
47		2-Chloronaphthalene	1.172	1.178	-0.5	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.303	0.374	-23.4	124	0.00
49		Acenaphthylene	1.952	1.988	-1.8	111	0.00
50		Dimethylphthalate	1.258	1.298	-3.2	113	0.00
51		2,6-Dinitrotoluene	0.219	0.266	-21.5	124	0.00
52	C	Acenaphthene	1.152	1.152	0.0	111	0.00
53		3-Nitroaniline	0.272	0.324	-19.1	123	0.00
54	P	2,4-Dinitrophenol	0.073	0.094	-28.8#	149	0.00
55		Dibenzofuran	1.717	1.730	-0.8	111	0.00
56	P	4-Nitrophenol	0.216	0.247	-14.4	120	0.00
57		2,4-Dinitrotoluene	0.265	0.339	-27.9#	125	0.00
58		Fluorene	1.288	1.279	0.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.339	-12.3	118	0.00
60		Diethylphthalate	1.214	1.284	-5.8	114	0.00
61		4-Chlorophenyl-phenylether	0.617	0.631	-2.3	112	0.00
62		4-Nitroaniline	0.236	0.281	-19.1	123	0.00
63		Azobenzene	1.343	1.370	-2.0	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.082	-22.4	138	0.00
66	c	n-Nitrosodiphenylamine	0.703	0.706	-0.4	112	0.00
67		4-Bromophenyl-phenylether	0.227	0.238	-4.8	115	0.00
68		Hexachlorobenzene	0.241	0.247	-2.5	113	0.00
69		Atrazine	0.180	0.199	-10.6	119	0.00
70	C	Pentachlorophenol	0.132	0.149	-12.9	122	0.00
71		Phenanthrene	1.079	1.092	-1.2	113	0.00
72		Anthracene	1.085	1.113	-2.6	114	0.00
73		Carbazole	0.972	0.992	-2.1	114	0.00
74		Di-n-butylphthalate	0.893	1.029	-15.2	121	0.00
75	C	Fluoranthene	0.981	1.033	-5.3	116	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.681	0.815	-19.7	109	0.00
78		Pyrene	1.856	1.906	-2.7	116	0.00
79	S	Terphenyl-d14	1.368	1.237	9.6	103	0.00
80		Butylbenzylphthalate	0.318	0.401	-26.1#	131	0.00
81		Benzo(a)anthracene	1.333	1.357	-1.8	113	0.00
82		3,3'-Dichlorobenzidine	0.387	0.426	-10.1	124	0.00
83		Chrysene	1.227	1.232	-0.4	115	0.00
84		Bis(2-ethylhexyl)phthalate	0.480	0.556	-15.8	121	0.00
85	c	Di-n-octyl phthalate	0.927	0.988	-6.6	120	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.488	1.581	-6.2	108	0.00
88		Benzo(b)fluoranthene	1.154	1.263	-9.4	121	0.00
89		Benzo(k)fluoranthene	1.101	1.091	0.9	99	0.00
90	C	Benzo(a)pyrene	1.091	1.165	-6.8	108	0.00
91		Dibenzo(a,h)anthracene	1.216	1.299	-6.8	109	0.00
92		Benzo(g,h,i)perylene	1.240	1.344	-8.4	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.00
2		1,4-Dioxane	40.000	38.242	4.4	101	0.00
3		Pyridine	40.000	41.009	-2.5	108	0.00
4		n-Nitrosodimethylamine	40.000	41.468	-3.7	111	0.00
5	S	2-Fluorophenol	80.000	78.799	1.5	105	0.00
6		Aniline	40.000	41.038	-2.6	110	0.00
7	S	Phenol-d6	80.000	78.598	1.8	105	0.00
8		2-Chlorophenol	40.000	42.397	-6.0	112	0.00
9		Benzaldehyde	40.000	37.115	7.2	82	0.00
10	C	Phenol	40.000	41.681	-4.2	111	0.00
11		bis(2-Chloroethyl)ether	40.000	40.848	-2.1	110	0.00
12		1,3-Dichlorobenzene	40.000	40.694	-1.7	109	0.00
13	C	1,4-Dichlorobenzene	40.000	40.539	-1.3	109	0.00
14		1,2-Dichlorobenzene	40.000	40.782	-2.0	109	0.00
15		Benzyl Alcohol	40.000	42.336	-5.8	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.273	-0.7	109	0.00
17		2-Methylphenol	40.000	41.532	-3.8	111	0.00
18		Hexachloroethane	40.000	43.239	-8.1	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.982	-5.0	112	0.00
20		3+4-Methylphenols	40.000	42.057	-5.1	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	40.351	-0.9	110	0.00
23	S	Nitrobenzene-d5	80.000	78.289	2.1	100	0.00
24		Nitrobenzene	40.000	44.647	-11.6	115	0.00
25		Isophorone	40.000	41.188	-3.0	111	0.00
26	C	2-Nitrophenol	40.000	44.317	-10.8	134	0.00
27		2,4-Dimethylphenol	40.000	42.064	-5.2	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.789	-2.0	111	0.00
29	C	2,4-Dichlorophenol	40.000	43.580	-8.9	114	0.00
30		1,2,4-Trichlorobenzene	40.000	41.194	-3.0	110	0.00
31		Naphthalene	40.000	40.543	-1.4	111	0.00
32		Benzoic acid	40.000	43.449	-8.6	126	0.00
33		4-Chloroaniline	40.000	41.236	-3.1	110	0.00
34	C	Hexachlorobutadiene	40.000	41.324	-3.3	110	0.00
35		Caprolactam	40.000	43.536	-8.8	114	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.387	-6.0	112	0.00
37		2-Methylnaphthalene	40.000	40.654	-1.6	111	0.00
38		1-Methylnaphthalene	40.000	40.922	-2.3	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.531	-1.3	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.086	-12.7	123	0.00
42	S	2,4,6-Tribromophenol	80.000	85.971	-7.5	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.955	-9.9	115	0.00
44		2,4,5-Trichlorophenol	40.000	43.001	-7.5	113	0.00
45	S	2-Fluorobiphenyl	80.000	69.090	13.6	97	0.00
46		1,1'-Biphenyl	40.000	40.387	-1.0	112	0.00
47		2-Chloronaphthalene	40.000	40.207	-0.5	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	43.148	-7.9	124	0.00
49		Acenaphthylene	40.000	40.736	-1.8	111	0.00
50		Dimethylphthalate	40.000	41.279	-3.2	113	0.00
51		2,6-Dinitrotoluene	40.000	43.156	-7.9	124	0.00
52	C	Acenaphthene	40.000	39.982	0.0	111	0.00
53		3-Nitroaniline	40.000	47.707	-19.3	123	0.00
54	P	2,4-Dinitrophenol	40.000	47.113	-17.8	149	0.00
55		Dibenzofuran	40.000	40.300	-0.7	111	0.00
56	P	4-Nitrophenol	40.000	45.720	-14.3	120	0.00
57		2,4-Dinitrotoluene	40.000	43.964	-9.9	125	0.00
58		Fluorene	40.000	39.732	0.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.902	-12.3	118	0.00
60		Diethylphthalate	40.000	42.297	-5.7	114	0.00
61		4-Chlorophenyl-phenylether	40.000	40.882	-2.2	112	0.00
62		4-Nitroaniline	40.000	47.486	-18.7	123	0.00
63		Azobenzene	40.000	40.833	-2.1	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.754	-11.9	138	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.179	-0.4	112	0.00
67		4-Bromophenyl-phenylether	40.000	41.782	-4.5	115	0.00
68		Hexachlorobenzene	40.000	40.915	-2.3	113	0.00
69		Atrazine	40.000	44.273	-10.7	119	0.00
70	C	Pentachlorophenol	40.000	44.978	-12.4	122	0.00
71		Phenanthrene	40.000	40.469	-1.2	113	0.00
72		Anthracene	40.000	40.999	-2.5	114	0.00
73		Carbazole	40.000	40.823	-2.1	114	0.00
74		Di-n-butylphthalate	40.000	46.099	-15.2	121	0.00
75	C	Fluoranthene	40.000	42.113	-5.3	116	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	47.827	-19.6	109	0.00
78		Pyrene	40.000	41.087	-2.7	116	0.00
79	S	Terphenyl-d14	80.000	72.317	9.6	103	0.00
80		Butylbenzylphthalate	40.000	43.340	-8.4	131	0.00
81		Benzo(a)anthracene	40.000	40.719	-1.8	113	0.00
82		3,3'-Dichlorobenzidine	40.000	44.044	-10.1	124	0.00
83		Chrysene	40.000	40.139	-0.3	115	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.166	-0.4	121	0.00
85	c	Di-n-octyl phthalate	40.000	38.648	3.4	120	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.503	-6.3	108	0.00
88		Benzo(b)fluoranthene	40.000	43.782	-9.5	121	0.00
89		Benzo(k)fluoranthene	40.000	39.662	0.8	99	0.00
90	C	Benzo(a)pyrene	40.000	42.724	-6.8	108	0.00
91		Dibenzo(a,h)anthracene	40.000	42.735	-6.8	109	0.00
92		Benzo(g,h,i)perylene	40.000	43.359	-8.4	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TACO01

Lab Code: ACE SDG No.: Q2600

Instrument ID: BNA_M Calibration Date(s): 07/08/2025 07/08/2025

Calibration Time(s): 12:39 17:22

LAB FILE ID: RRF2.5 = BM050377.D RRF005 = BM050378.D RRF010 = BM050379.D
RRF020 = BM050380.D RRF040 = BM050381.D RRF050 = BM050382.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.249	1.197	1.256	1.228	1.336	1.254	3.5
2-Fluorophenol		1.126	1.079	1.149	1.152	1.258	1.162	4.9
Phenol-d6		1.367	1.327	1.441	1.466	1.607	1.465	6.7
1,4-Dichlorobenzene		1.553	1.459	1.536	1.465	1.610	1.521	3.6
2-Methylphenol		0.922	0.898	0.980	0.990	1.089	0.991	6.7
3+4-Methylphenols			1.170	1.296	1.325	1.458	1.330	7.3
Nitrobenzene-d5		0.362	0.355	0.390	0.392	0.429	0.392	6.8
Hexachloroethane		0.518	0.501	0.532	0.520	0.574	0.535	4.7
Nitrobenzene		0.333	0.329	0.353	0.345	0.377	0.350	4.7
Hexachlorobutadiene		0.222	0.209	0.222	0.221	0.244	0.228	5.4
2,4,6-Trichlorophenol		0.330	0.335	0.377	0.394	0.443	0.391	11.8
2-Fluorobiphenyl		1.572	1.538	1.611	1.592	1.753	1.620	4.7
2,4,5-Trichlorophenol		0.359	0.376	0.415	0.430	0.484	0.428	11.1
2,4-Dinitrotoluene		0.234	0.277	0.340	0.371	0.422	0.350	20.3
2,4,6-Tribromophenol		0.182	0.195	0.230	0.248	0.285	0.243	17.4
Hexachlorobenzene		0.239	0.233	0.253	0.256	0.283	0.260	7.8
Pentachlorophenol			0.122	0.145	0.161	0.181	0.162	15.2
Terphenyl-d14		1.095	1.110	1.225	1.258	1.298	1.137	12.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050377.D 5 =BM050378.D 10 =BM050379.D 20 =BM050380.D 40 =BM050381.D 50 =BM050382.D 60 =BM050383.D 80 =BM0503
84.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.504	0.466	0.482	0.460	0.501	0.474	0.457	0.478	3.99
3)		Pyridine		1.249	1.197	1.256	1.228	1.336	1.279	1.236	1.254	3.52
4)		n-Nitrosodimet...			0.562	0.595	0.572	0.620	0.595	0.565	0.585	3.88
5)	S	2-Fluorophenol		1.126	1.079	1.149	1.152	1.258	1.202	1.168	1.162	4.89
6)		Aniline		1.784	1.702	1.844	1.878	2.042	1.987	1.921	1.880	6.20
7)	S	Phenol-d6		1.367	1.327	1.441	1.466	1.607	1.547	1.498	1.465	6.67
8)		2-Chlorophenol		1.135	1.105	1.219	1.217	1.341	1.301	1.258	1.225	6.89
9)		Benzaldehyde			0.944	0.985	0.897	0.837	0.694		0.871	13.03
10)	C	Phenol		1.460	1.412	1.516	1.508	1.666	1.598	1.535	1.528	5.51
11)		bis(2-Chloroet...		1.202	1.134	1.223	1.196	1.324	1.268	1.218	1.223	4.88
12)		1,3-Dichlorobe...		1.504	1.425	1.496	1.448	1.580	1.511	1.465	1.490	3.40
13)	C	1,4-Dichlorobe...		1.553	1.459	1.536	1.465	1.610	1.538	1.487	1.521	3.57
14)		1,2-Dichlorobe...		1.481	1.395	1.454	1.410	1.541	1.485	1.428	1.456	3.48
15)		Benzyl Alcohol			0.907	0.995	1.022	1.125	1.090	1.052	1.032	7.45
16)		2,2'-oxybis(1-...		1.835	1.741	1.818	1.752	1.907	1.821	1.741	1.802	3.41
17)		2-Methylphenol		0.922	0.898	0.980	0.990	1.089	1.048	1.008	0.991	6.71
18)		Hexachloroethane		0.518	0.501	0.532	0.520	0.574	0.556	0.543	0.535	4.66
19)	P	n-Nitroso-di-n...	0.790	0.805	0.808	0.888	0.911	1.005	0.968	0.924	0.887	9.01
20)		3+4-Methylphenols			1.170	1.296	1.325	1.458	1.393	1.338	1.330	7.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.493	0.479	0.501	0.491	0.534	0.513	0.489	0.500	3.69
23)	S	Nitrobenzene-d5		0.362	0.355	0.390	0.392	0.429	0.415	0.400	0.392	6.77
24)		Nitrobenzene		0.333	0.329	0.353	0.345	0.377	0.362	0.349	0.350	4.73
25)		Isophorone		0.571	0.574	0.634	0.640	0.702	0.679	0.652	0.636	7.73
26)	C	2-Nitrophenol		0.107	0.112	0.132	0.147	0.167	0.167	0.167	0.143	18.26
27)		2,4-Dimethylph...		0.295	0.275	0.301	0.299	0.329	0.317	0.308	0.303	5.63
28)		bis(2-Chloroet...		0.407	0.395	0.422	0.417	0.454	0.436	0.420	0.422	4.61
29)	C	2,4-Dichloroph...		0.277	0.279	0.311	0.312	0.344	0.334	0.325	0.312	8.26
30)		1,2,4-Trichlor...		0.370	0.349	0.369	0.362	0.397	0.385	0.378	0.373	4.21
31)		Naphthalene		1.033	0.975	1.024	0.988	1.071	1.029	0.992	1.016	3.26
32)		Benzoic acid			0.100	0.139	0.164	0.195	0.194	0.199	0.165	23.89
33)		4-Chloroaniline		0.398	0.397	0.427	0.429	0.465	0.453	0.437	0.429	6.00
34)	C	Hexachlorobuta...		0.222	0.209	0.222	0.221	0.244	0.239	0.235	0.228	5.37
35)		Caprolactam			0.064	0.081	0.087	0.096	0.093	0.090	0.085	13.87
36)	C	4-Chloro-3-met...		0.258	0.256	0.288	0.295	0.326	0.313	0.302	0.291	9.10
37)		2-Methylnaphth...		0.611	0.595	0.638	0.635	0.693	0.671	0.647	0.641	5.19
38)		1-Methylnaphth...		0.651	0.629	0.674	0.673	0.736	0.707	0.681	0.679	5.17

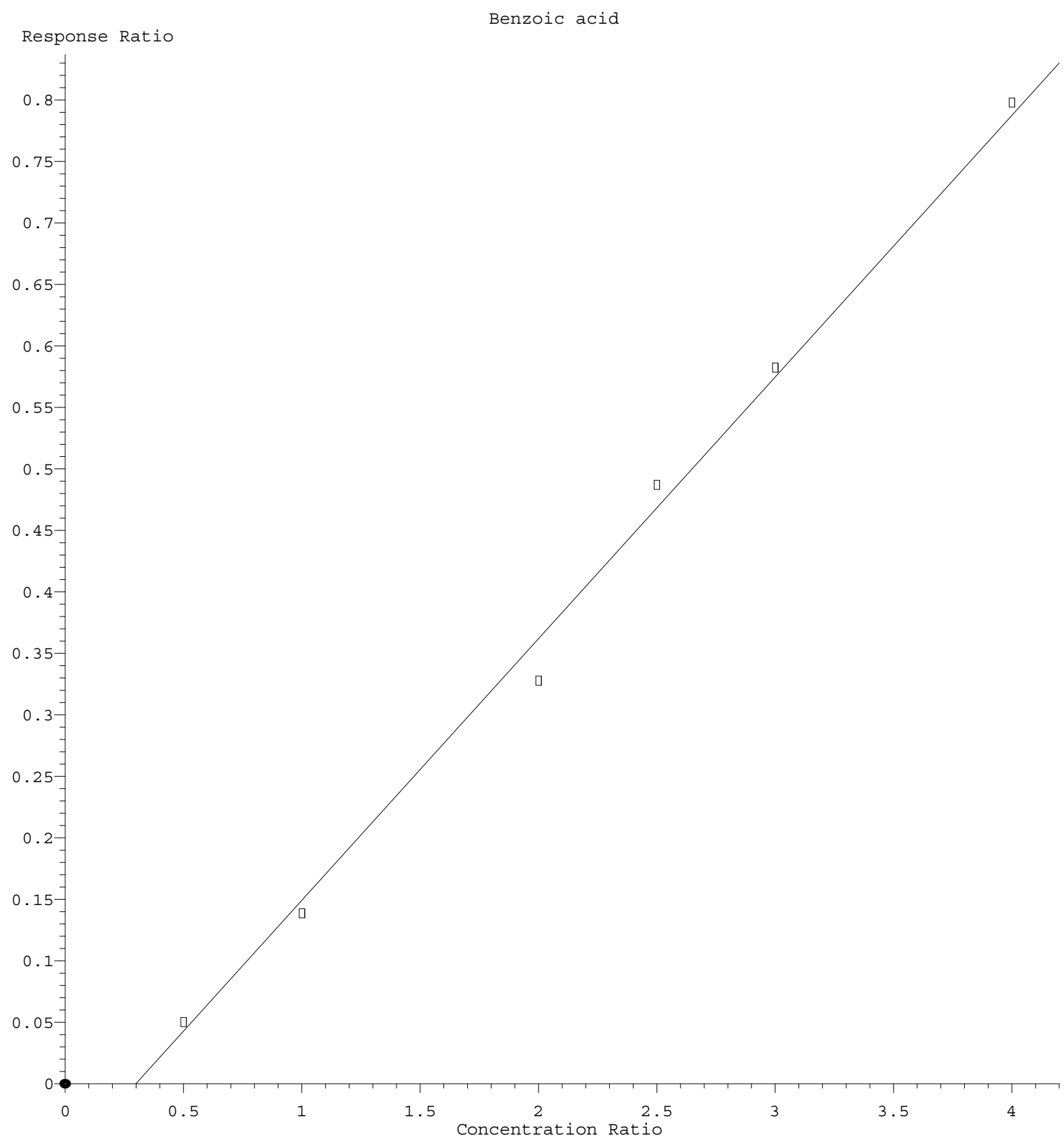
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.590	0.569	0.611	0.622	0.700	0.683	0.677	0.636	7.93
41)	P	Hexachlorocycl...		0.320	0.361	0.396	0.450	0.454	0.459	0.407	14.08
42)	S	2,4,6-Tribromo...	0.182	0.195	0.230	0.248	0.285	0.280	0.280	0.243	17.40
43)	C	2,4,6-Trichlor...	0.330	0.335	0.377	0.394	0.443	0.434	0.427	0.391	11.81
44)		2,4,5-Trichlor...	0.359	0.376	0.415	0.430	0.484	0.470	0.460	0.428	11.13
45)	S	2-Fluorobiphenyl	1.572	1.538	1.611	1.592	1.753	1.697	1.575	1.620	4.74
46)		1,1'-Biphenyl	1.464	1.419	1.479	1.441	1.586	1.527	1.471	1.484	3.79
47)		2-Chloronaphth...	1.164	1.126	1.187	1.150	1.267	1.217	1.171	1.183	3.93
48)		2-Nitroaniline	0.197	0.211	0.253	0.278	0.312	0.302	0.295	0.264	17.17
49)		Acenaphthylene	1.645	1.658	1.795	1.775	1.956	1.875	1.811	1.788	6.21
50)		Dimethylphthalate	1.323	1.285	1.368	1.351	1.506	1.432	1.373	1.377	5.29
51)		2,6-Dinitrotol...	0.196	0.224	0.263	0.273	0.308	0.297	0.289	0.264	15.41
52)	C	Acenaphthene	1.086	1.050	1.126	1.111	1.231	1.196	1.158	1.137	5.51
53)		3-Nitroaniline	0.204	0.231	0.278	0.294	0.330	0.319	0.311	0.281	16.81
54)	P	2,4-Dinitrophenol		0.074	0.097	0.117	0.140	0.147	0.150	0.121	25.40
55)		Dibenzofuran	1.747	1.674	1.756	1.709	1.880	1.784	1.711	1.751	3.84
56)	P	4-Nitrophenol		0.182	0.225	0.245	0.276	0.265	0.258	0.242	14.15
57)		2,4-Dinitrotol...	0.234	0.277	0.340	0.371	0.422	0.407	0.401	0.350	20.31
58)		Fluorene	1.348	1.328	1.428	1.419	1.582	1.522	1.470	1.443	6.29
59)		2,3,4,6-Tetrac...	0.299	0.306	0.355	0.365	0.405	0.397	0.392	0.360	11.92
60)		Diethylphthalate	1.217	1.210	1.319	1.309	1.454	1.379	1.320	1.315	6.51
61)		4-Chlorophenyl...	0.687	0.673	0.733	0.747	0.839	0.811	0.790	0.754	8.28
62)		4-Nitroaniline	0.192	0.228	0.284	0.311	0.350	0.331	0.320	0.288	20.10
63)		Azobenzene	1.085	1.116	1.234	1.208	1.335	1.272	1.204	1.208	7.15
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.057	0.077	0.094	0.109	0.113	0.117	0.095	24.90
66)	c	n-Nitrosodiphe...	0.572	0.577	0.620	0.623	0.678	0.658	0.654	0.626	6.49
67)		4-Bromophenyl-...	0.196	0.194	0.211	0.218	0.242	0.240	0.241	0.220	9.61
68)		Hexachlorobenzene	0.239	0.233	0.253	0.256	0.283	0.279	0.278	0.260	7.78
69)		Atrazine	0.166	0.175	0.199	0.211	0.232	0.228	0.227	0.206	12.95
70)	C	Pentachlorophenol		0.122	0.145	0.161	0.181	0.180	0.183	0.162	15.23
71)		Phenanthrene	1.119	1.070	1.119	1.101	1.206	1.163	1.143	1.132	3.91
72)		Anthracene	1.028	1.017	1.109	1.117	1.233	1.204	1.179	1.127	7.44
73)		Carbazole	0.939	0.944	1.009	1.010	1.108	1.073	1.052	1.019	6.23
74)		Di-n-butylphth...	0.954	0.961	1.091	1.140	1.252	1.216	1.196	1.116	10.76
75)	C	Fluoranthene	1.088	1.079	1.182	1.233	1.366	1.339	1.327	1.230	9.67
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.370	0.521	0.553	0.601	0.552	0.464	0.510	16.08
78)		Pyrene	1.198	1.177	1.260	1.260	1.388	1.366	1.316	1.281	6.26
79)	S	Terphenyl-d14	1.095	1.110	1.225	1.258	1.298	1.094	0.878	1.137	12.43
80)		Butylbenzylpht...	0.317	0.334	0.401	0.441	0.492	0.491	0.479	0.422	17.39
81)		Benzo(a)anthra...	1.204	1.202	1.282	1.282	1.428	1.379	1.345	1.303	6.57
82)		3,3'-Dichlorob...		0.351	0.406	0.429	0.498	0.487	0.465	0.439	12.66
83)		Chrysene	1.162	1.153	1.200	1.209	1.327	1.303	1.249	1.229	5.45
84)		Bis(2-ethylhex...	0.499	0.546	0.658	0.705	0.780	0.763	0.742	0.670	16.33
85)	c	Di-n-octyl pht...		0.742	0.931	1.058	1.193	1.194	1.183	1.050	17.44

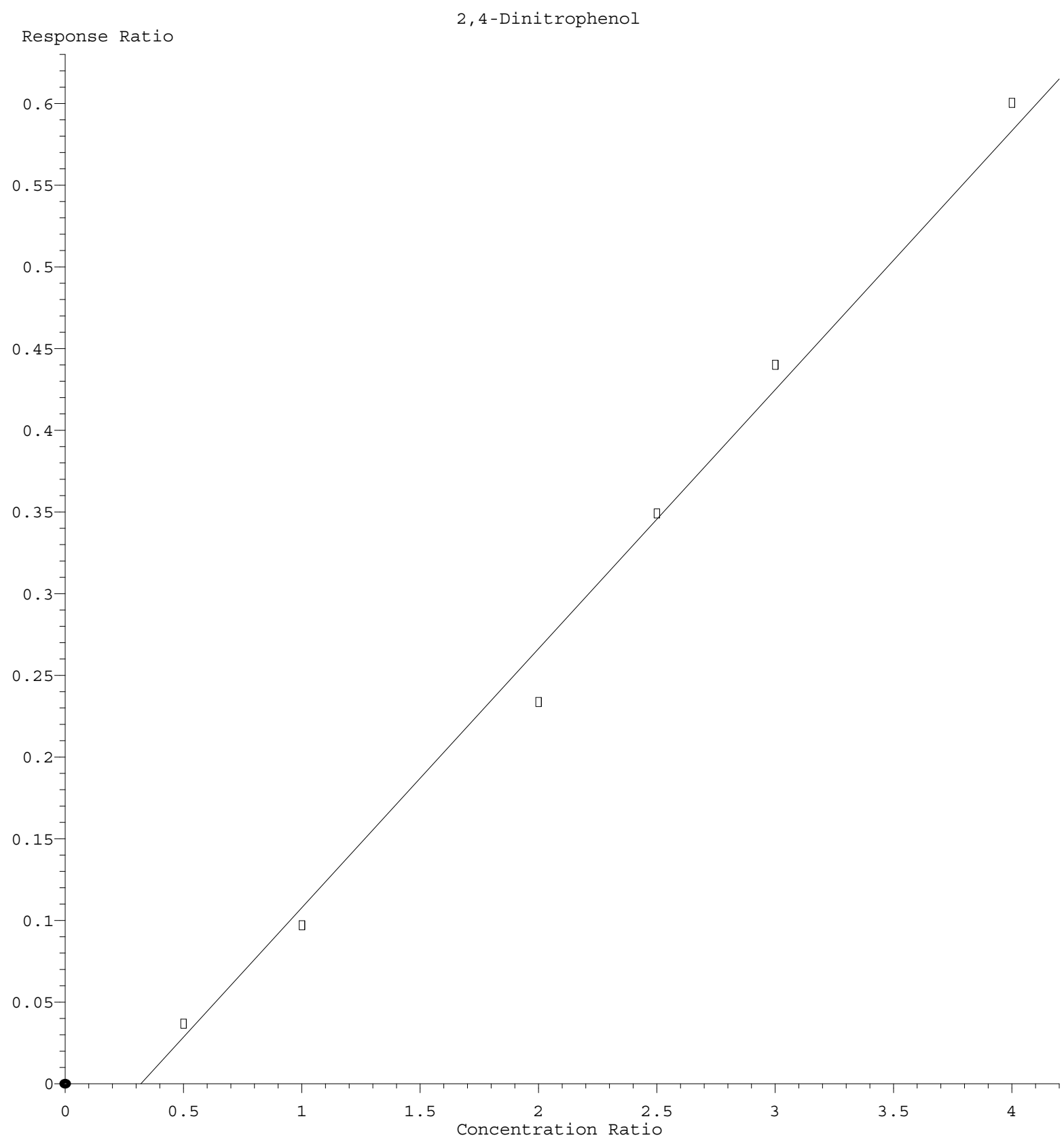
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM070925.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.208	1.238	1.374	1.415	1.603	1.564	1.551	1.422	11.17
88)		Benzo(b)fluora...	1.090	1.075	1.177	1.230	1.368	1.344	1.327	1.230	9.83
89)		Benzo(k)fluora...	1.105	1.138	1.247	1.263	1.444	1.387	1.350	1.276	9.86
90)	C	Benzo(a)pyrene	0.962	0.985	1.099	1.156	1.314	1.281	1.264	1.152	12.41
91)		Dibenzo(a,h)an...	1.022	1.035	1.159	1.193	1.352	1.320	1.301	1.198	11.23
92)		Benzo(g,h,i)pe...	0.992	1.001	1.097	1.121	1.263	1.232	1.216	1.132	9.73

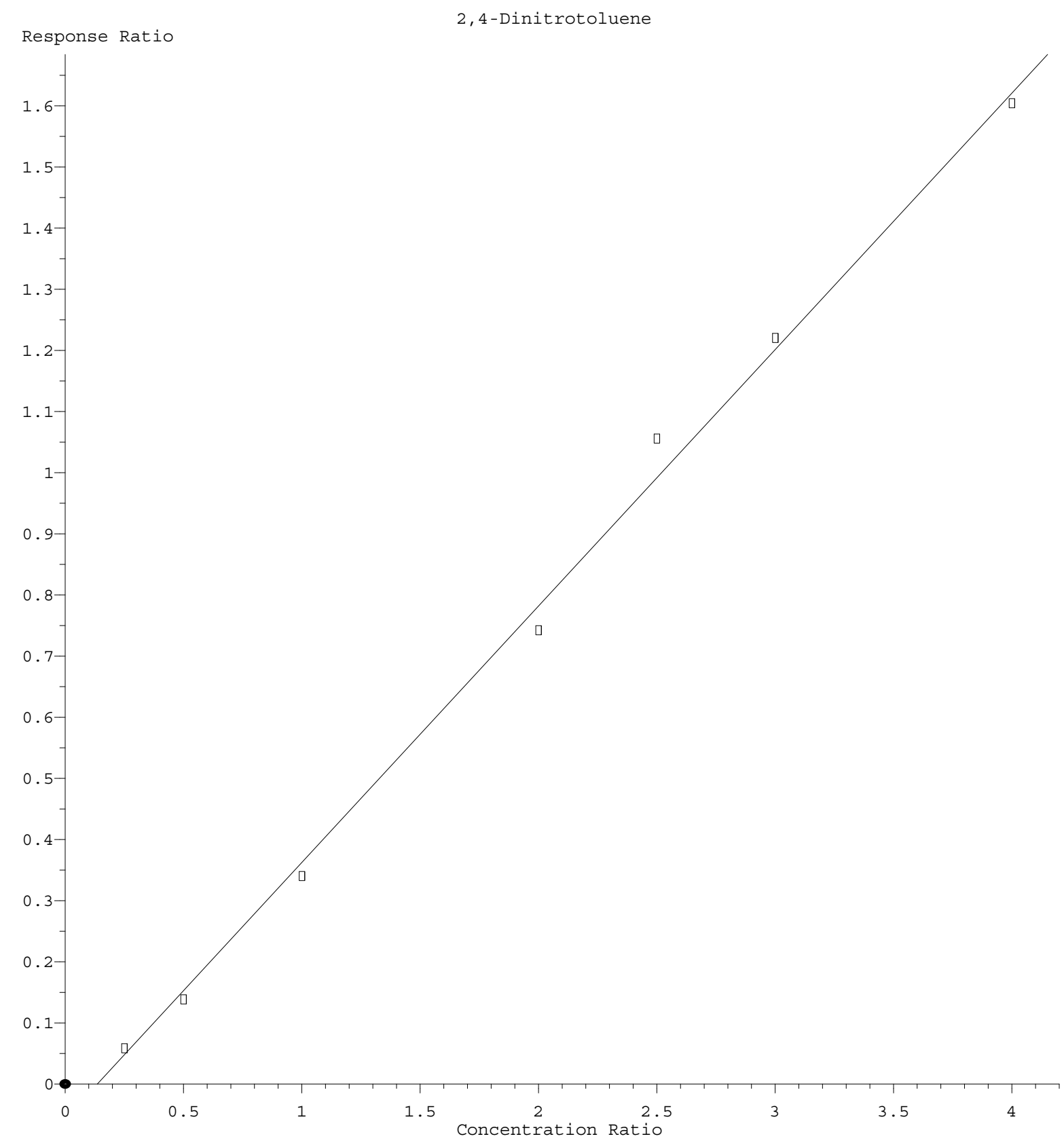
(#) = Out of Range



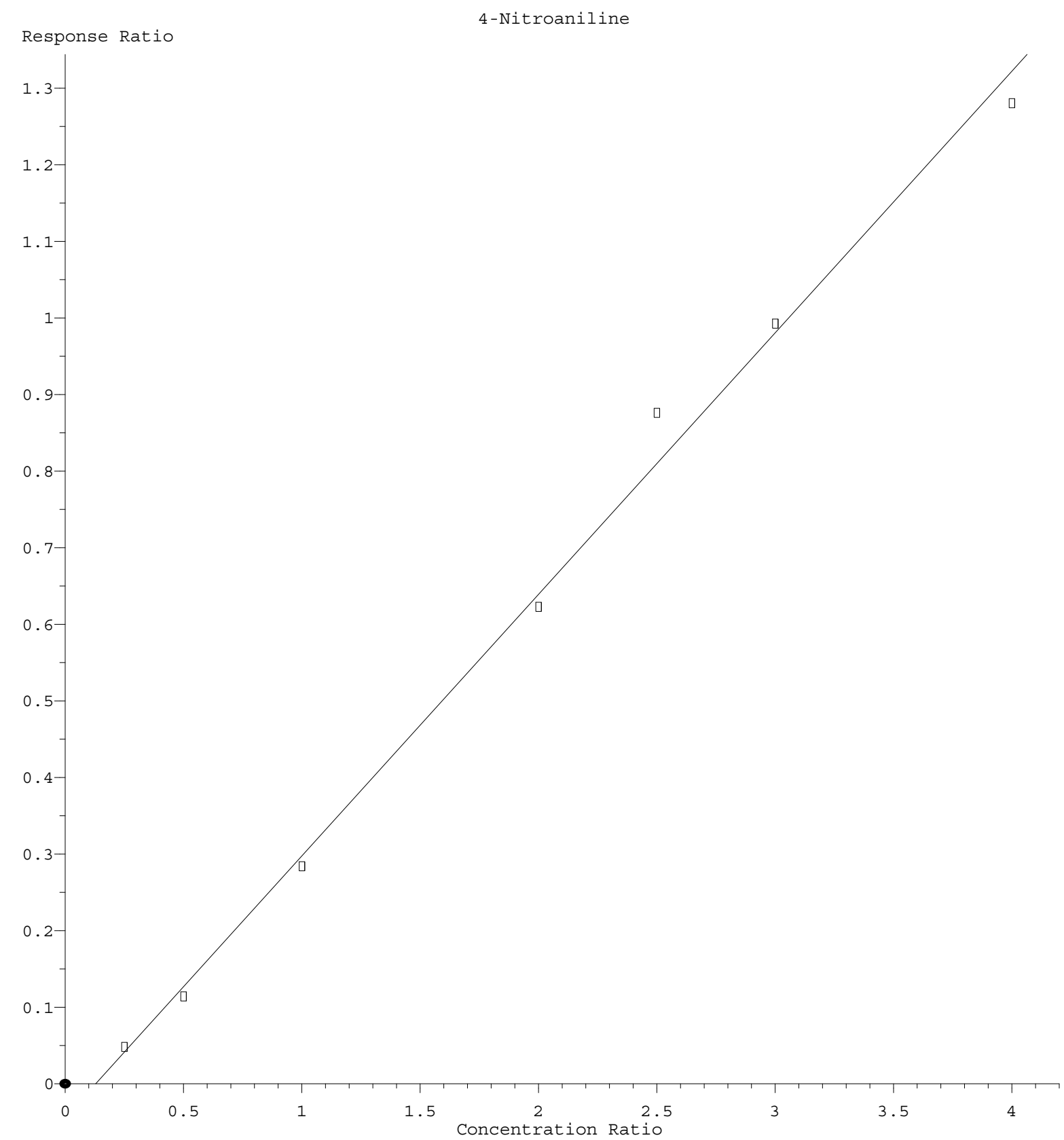
Response = 2.127e-001 * Amt - 6.353e-002
Coef of Det (r^2) = 0.995611 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025



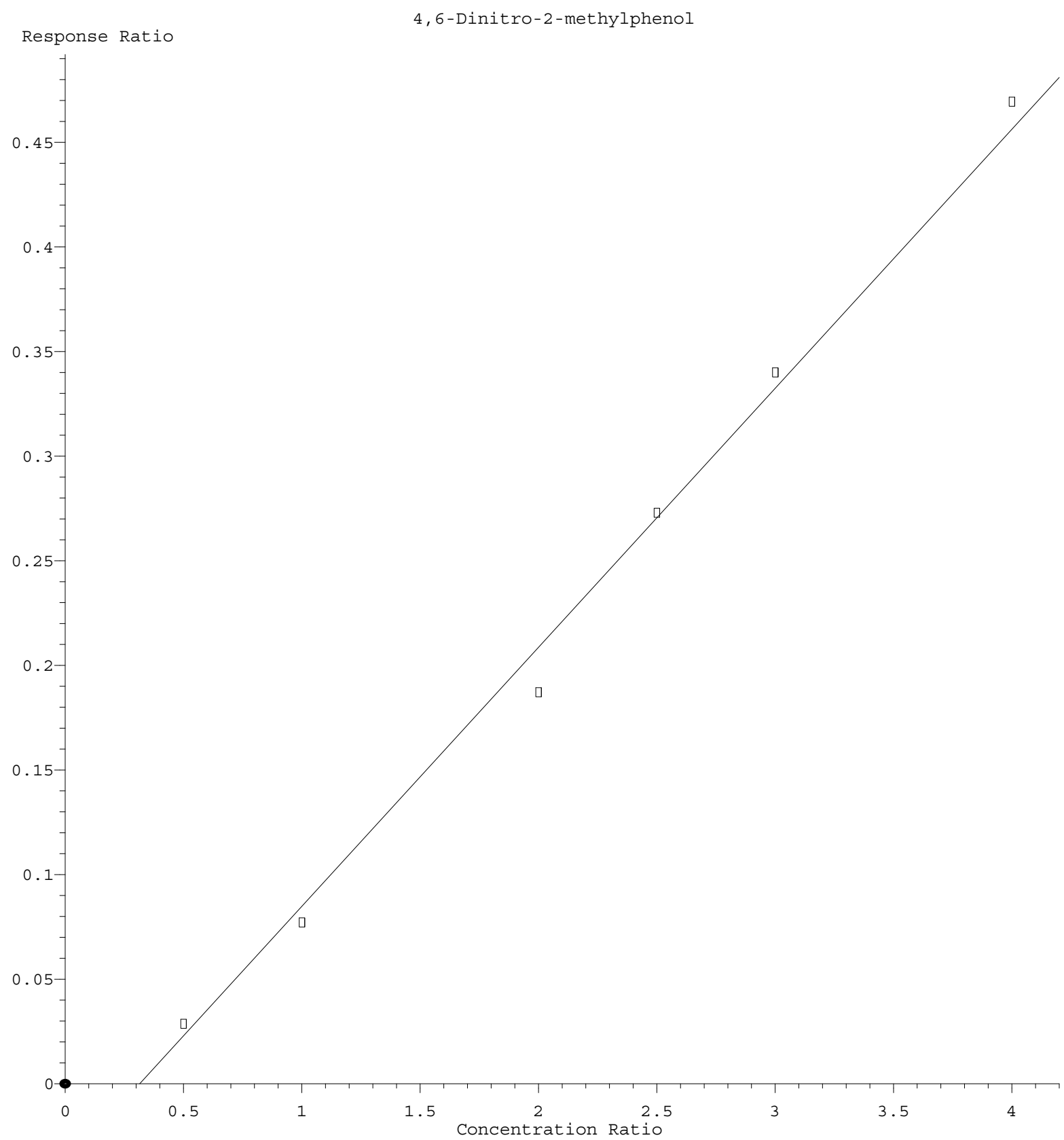
Response = 1.586e-001 * Amt - 5.080e-002
Coef of Det (r^2) = 0.992540 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025



Response = 4.196e-001 * Amt - 5.715e-002
Coef of Det (r^2) = 0.996987 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025



Response = 3.416e-001 * Amt - 4.419e-002
Coef of Det (r^2) = 0.996508 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025



Response = 1.238e-001 * Amt - 3.901e-002
Coef of Det (r^2) = 0.994498 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM070925.M
Calibration Table Last Updated: Tue Jul 08 18:32:25 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	378493	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1426576	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	874661	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1666049	20.000	ng	0.00
76) Chrysene-d12	21.450	240	1594000	20.000	ng	0.00
86) Perylene-d12	24.491	264	1645810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.663	70	37375	2.226	ng	100

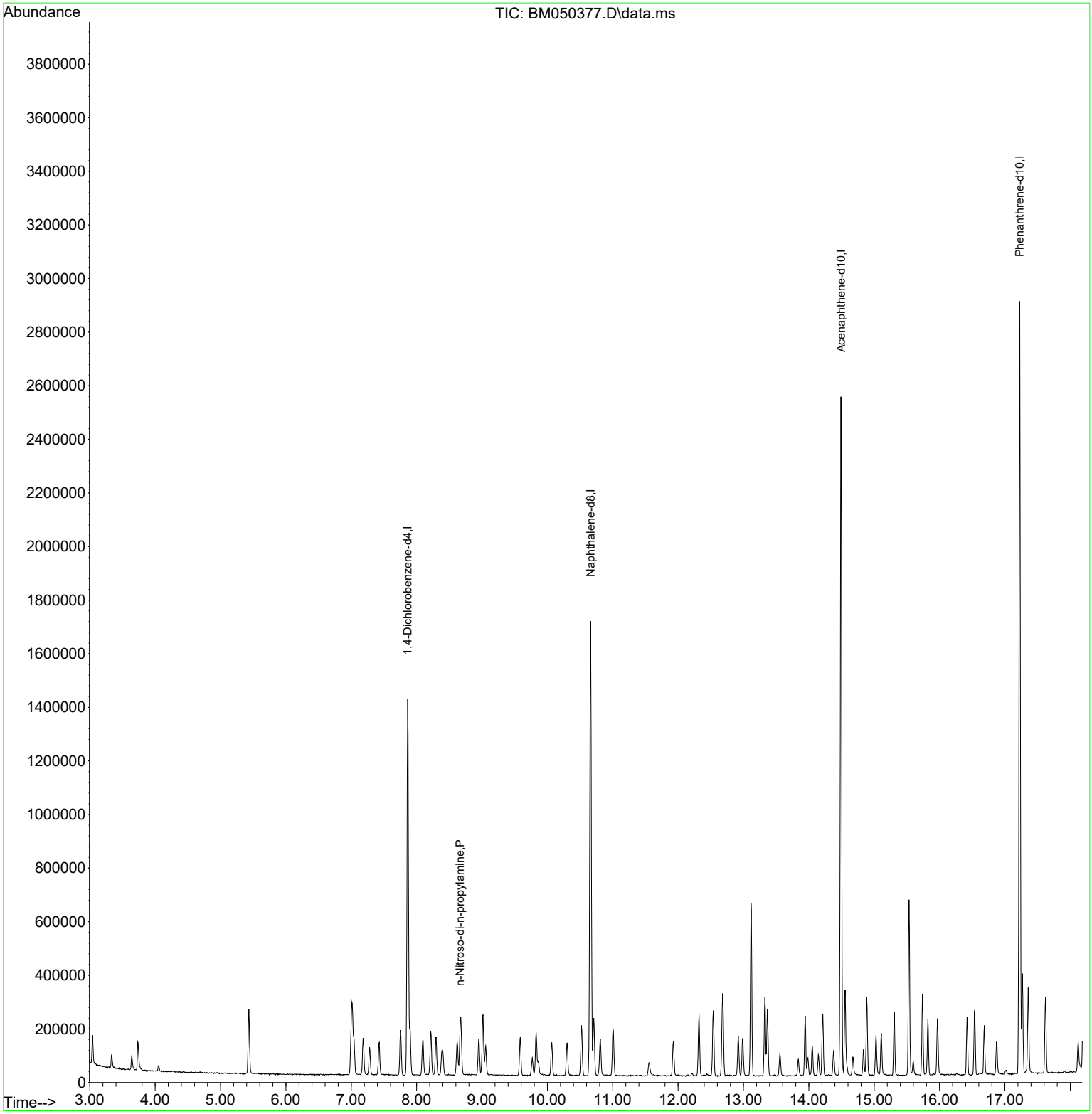
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

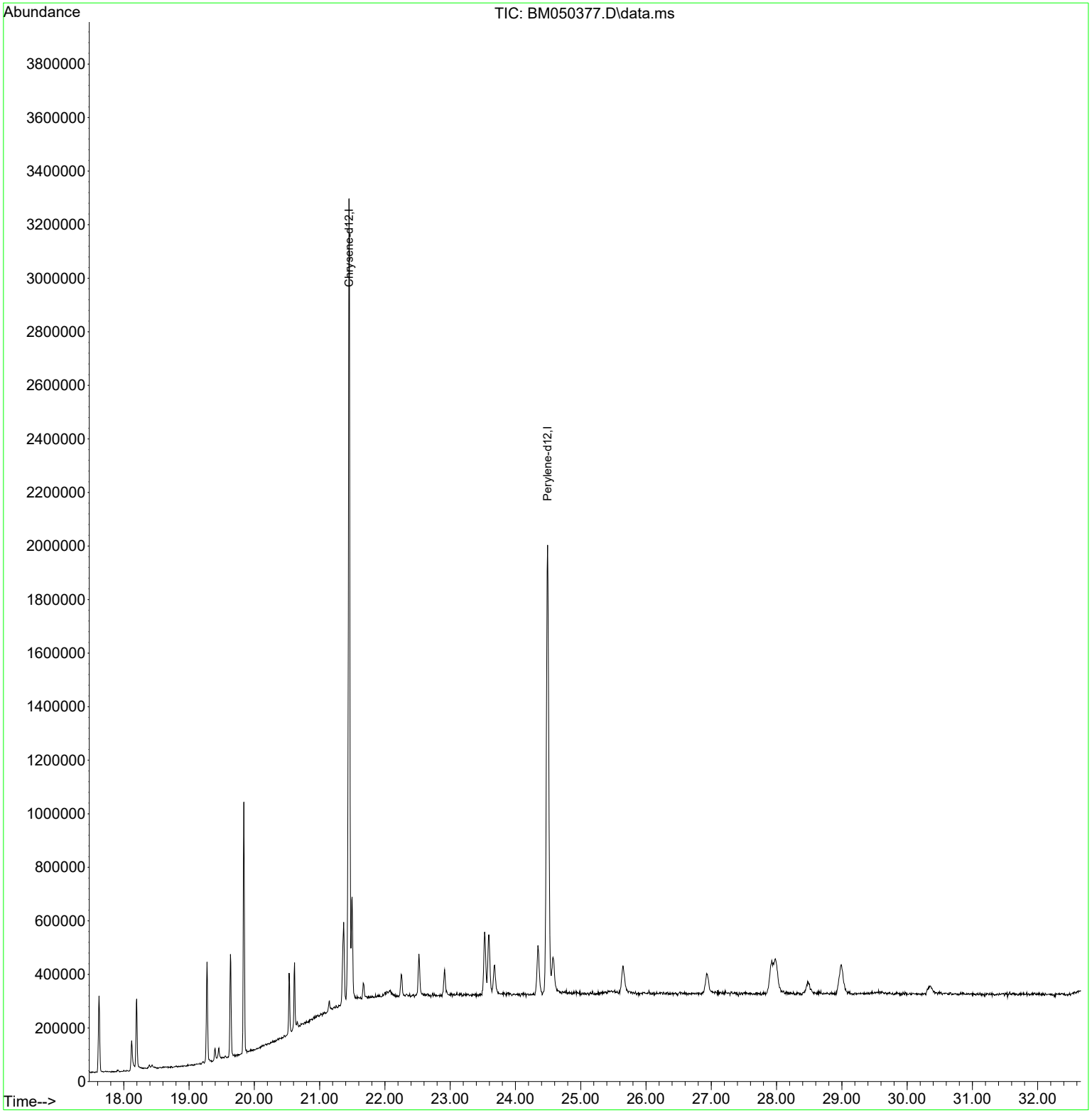
Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050377.D
Acq On : 08 Jul 2025 12:39
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 08 18:19:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.869	152	332042	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	1221582	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	768894	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	1453955	20.000	ng		0.00
76) Chrysene-d12	21.450	240	1431554	20.000	ng		0.00
86) Perylene-d12	24.491	264	1410719	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	186878	9.688	ng		0.00
7) Phenol-d6	7.016	99	226950	9.333	ng		0.00
23) Nitrobenzene-d5	9.016	82	221107	9.234	ng		0.00
42) 2,4,6-Tribromophenol	15.968	330	69925	7.485	ng		0.00
45) 2-Fluorobiphenyl	13.116	172	604282	9.705	ng		0.00
79) Terphenyl-d14	19.839	244	783562	9.630	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.334	88	41862	5.278	ng		99
3) Pyridine	3.734	79	103718	4.981	ng		94
6) Aniline	7.187	93	148080	4.745	ng		99
8) 2-Chlorophenol	7.428	128	94226	4.632	ng		98
10) Phenol	7.045	94	121196	4.778	ng		100
11) bis(2-Chloroethyl)ether	7.281	93	99772	4.912	ng		97
12) 1,3-Dichlorobenzene	7.757	146	124875	5.049	ng		99
13) 1,4-Dichlorobenzene	7.898	146	128887	5.103	ng		98
14) 1,2-Dichlorobenzene	8.216	146	122972	5.086	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.392	45	152357	5.092	ng		99
17) 2-Methylphenol	8.298	107	76571	4.655	ng		97
18) Hexachloroethane	8.951	117	42990	4.840	ng		97
19) n-Nitroso-di-n-propyla...	8.663	70	66842	4.537	ng		96
22) Acetophenone	8.681	105	150473	4.927	ng	#	98
24) Nitrobenzene	9.057	77	101661	4.758	ng		97
25) Isophorone	9.586	82	174388	4.488	ng		99
26) 2-Nitrophenol	9.769	139	32805	3.767	ng		91
27) 2,4-Dimethylphenol	9.828	122	90013	4.858	ng		99
28) bis(2-Chloroethoxy)met...	10.069	93	124150	4.822	ng		97
29) 2,4-Dichlorophenol	10.304	162	84485	4.438	ng		97
30) 1,2,4-Trichlorobenzene	10.522	180	112916	4.958	ng		98
31) Naphthalene	10.710	128	315550	5.086	ng		99
33) 4-Chloroaniline	10.810	127	121575	4.635	ng		98
34) Hexachlorobutadiene	11.010	225	67689	4.870	ng		98
36) 4-Chloro-3-methylphenol	11.927	107	78716	4.428	ng		99
37) 2-Methylnaphthalene	12.322	142	186482	4.760	ng		98
38) 1-Methylnaphthalene	12.539	142	198866	4.796	ng		99
40) 1,2,4,5-Tetrachloroben...	12.686	216	113496	4.642	ng		99
43) 2,4,6-Trichlorophenol	12.922	196	63524	4.221	ng		100
44) 2,4,5-Trichlorophenol	12.992	196	68958	4.195	ng		98
46) 1,1'-Biphenyl	13.327	154	281496	4.934	ng		99
47) 2-Chloronaphthalene	13.369	162	223672	4.918	ng		99
48) 2-Nitroaniline	13.563	65	37953	3.738	ng		97
49) Acenaphthylene	14.216	152	316292	4.601	ng		98
50) Dimethylphthalate	13.945	163	254362	4.805	ng		99
51) 2,6-Dinitrotoluene	14.057	165	37711	3.710	ng		88

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.557	154	208840	4.779	ng		97
53) 3-Nitroaniline	14.380	138	39220	3.628	ng	#	85
55) Dibenzofuran	14.886	168	335867	4.988	ng		99
57) 2,4-Dinitrotoluene	14.839	165	44983	5.513	ng	#	87
58) Fluorene	15.533	166	259083	4.671	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.110	232	57532	4.158	ng		95
60) Diethylphthalate	15.310	149	233863	4.625	ng		98
61) 4-Chlorophenyl-phenyle...	15.533	204	132153	4.557	ng		94
62) 4-Nitroaniline	15.533	138	36922	5.398	ng		80
63) Azobenzene	15.821	77	208493	4.490	ng		96
66) n-Nitrosodiphenylamine	15.739	169	207747	4.566	ng		98
67) 4-Bromophenyl-phenylether	16.421	248	71279	4.450	ng		92
68) Hexachlorobenzene	16.539	284	86781	4.587	ng		99
69) Atrazine	16.686	200	60444	4.046	ng		97
71) Phenanthrene	17.268	178	406647	4.943	ng		99
72) Anthracene	17.357	178	373674	4.563	ng		99
73) Carbazole	17.621	167	341196	4.605	ng		99
74) Di-n-butylphthalate	18.198	149	346654	4.274	ng		99
75) Fluoranthene	19.274	202	395390	4.421	ng		98
78) Pyrene	19.633	202	428758	4.676	ng		100
80) Butylbenzylphthalate	20.533	149	113580	3.757	ng		94
81) Benzo(a)anthracene	21.433	228	430980	4.620	ng		100
83) Chrysene	21.497	228	415885	4.727	ng		98
84) Bis(2-ethylhexyl)phtha...	21.368	149	178701	3.724	ng		98
87) Indeno(1,2,3-cd)pyrene	27.921	276	426152	4.249	ng		95
88) Benzo(b)fluoranthene	23.527	252	384470	4.431	ng		98
89) Benzo(k)fluoranthene	23.591	252	389878	4.330	ng	#	97
90) Benzo(a)pyrene	24.344	252	339308	4.177	ng		97
91) Dibenzo(a,h)anthracene	27.991	278	360576	4.269	ng		98
92) Benzo(g,h,i)perylene	28.985	276	349804	4.382	ng		97

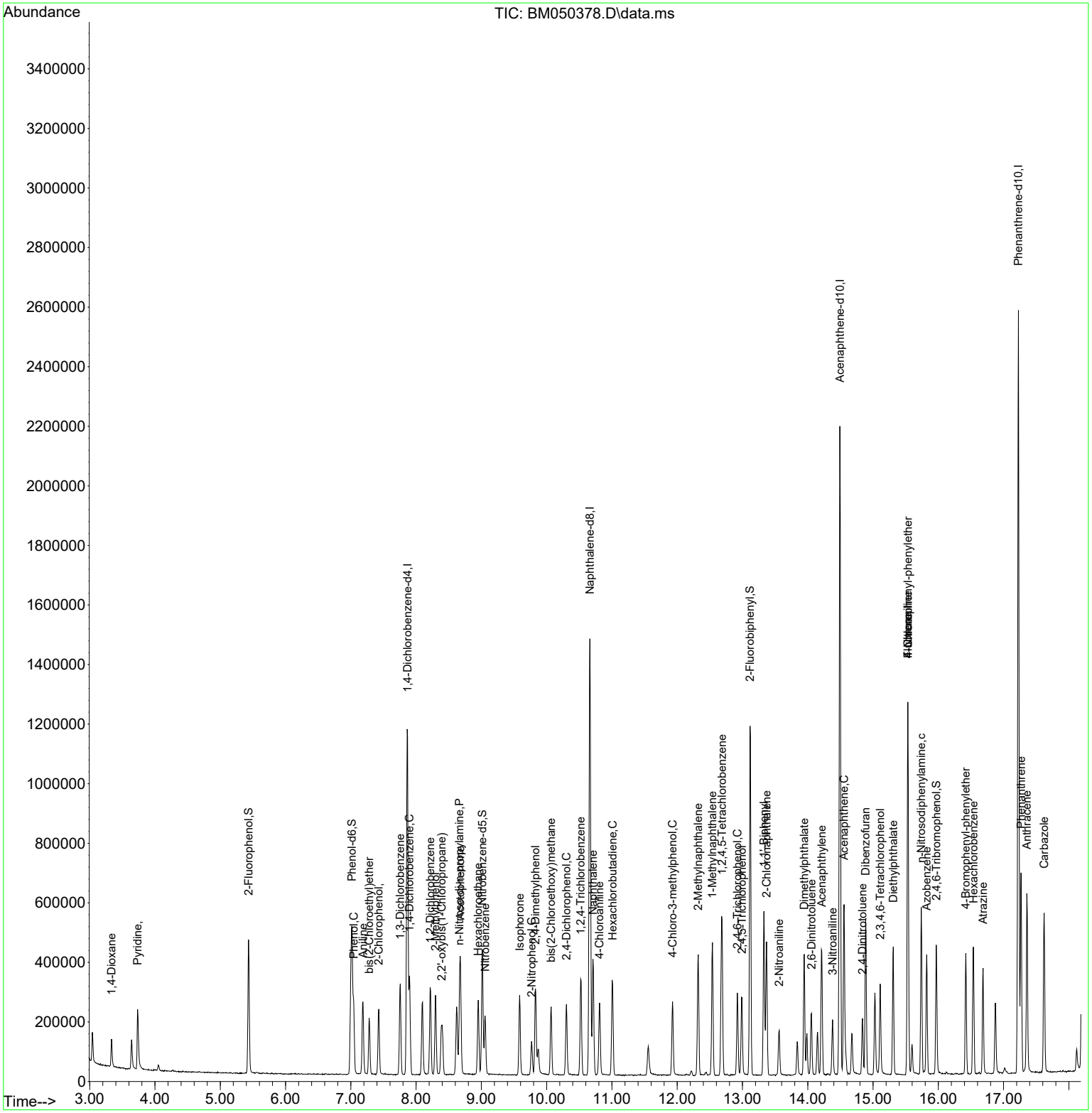
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

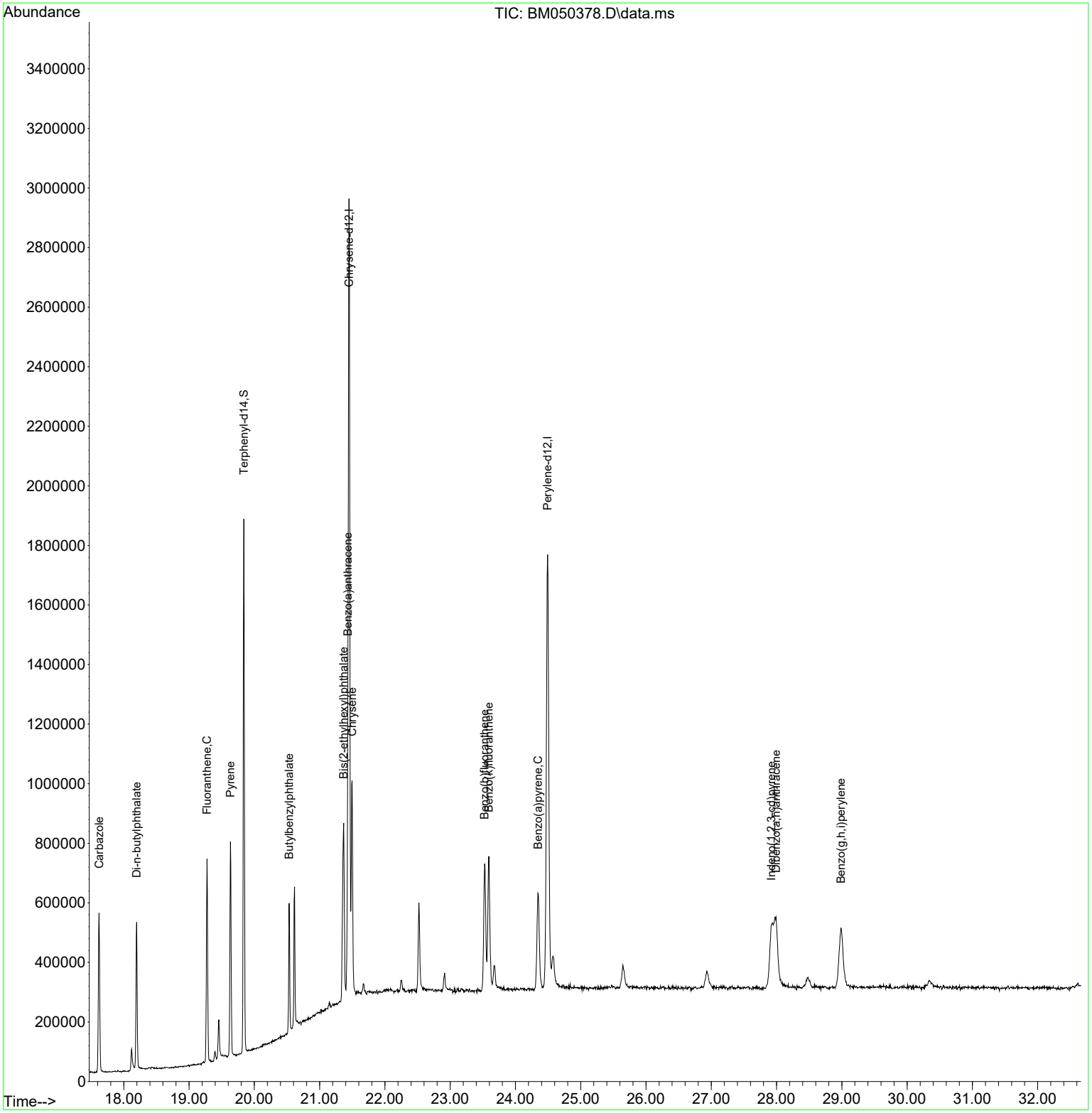


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050378.D
Acq On : 08 Jul 2025 13:19
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Jul 08 18:19:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.863	152	361961	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	1342132	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	846249	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	1580349	20.000	ng		0.00
76) Chrysene-d12	21.450	240	1564213	20.000	ng		0.00
86) Perylene-d12	24.491	264	1552476	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	390415	18.566	ng		0.00
7) Phenol-d6	7.016	99	480384	18.122	ng		0.00
23) Nitrobenzene-d5	9.016	82	476926	18.129	ng		0.00
42) 2,4,6-Tribromophenol	15.968	330	165401	16.086	ng		0.00
45) 2-Fluorobiphenyl	13.121	172	1301714	18.996	ng		0.00
79) Terphenyl-d14	19.839	244	1735885	19.526	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.334	88	84322	9.752	ng		97
3) Pyridine	3.734	79	216596	9.541	ng		96
4) n-Nitrosodimethylamine	3.640	42	101622	9.602	ng	#	92
6) Aniline	7.187	93	308012	9.054	ng		99
8) 2-Chlorophenol	7.428	128	200037	9.022	ng		99
9) Benzaldehyde	6.998	77	170875m	10.835	ng		
10) Phenol	7.045	94	255531	9.242	ng		99
11) bis(2-Chloroethyl)ether	7.281	93	205153	9.265	ng		95
12) 1,3-Dichlorobenzene	7.757	146	257848	9.564	ng		99
13) 1,4-Dichlorobenzene	7.898	146	264062	9.592	ng		99
14) 1,2-Dichlorobenzene	8.222	146	252415	9.577	ng		96
15) Benzyl Alcohol	8.098	79	164181	8.790	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.392	45	315036	9.659	ng		100
17) 2-Methylphenol	8.298	107	162594	9.067	ng		96
18) Hexachloroethane	8.951	117	90719	9.370	ng		95
19) n-Nitroso-di-n-propyla...	8.669	70	146225	9.106	ng		98
20) 3+4-Methylphenols	8.622	107	211795	8.798	ng		99
22) Acetophenone	8.681	105	321333	9.576	ng	#	98
24) Nitrobenzene	9.057	77	220849	9.408	ng		98
25) Isophorone	9.586	82	385498	9.031	ng		98
26) 2-Nitrophenol	9.769	139	74836	7.822	ng		92
27) 2,4-Dimethylphenol	9.828	122	184710	9.073	ng		99
28) bis(2-Chloroethoxy)met...	10.069	93	264798	9.361	ng		99
29) 2,4-Dichlorophenol	10.304	162	187427	8.961	ng		99
30) 1,2,4-Trichlorobenzene	10.528	180	234305	9.364	ng		97
31) Naphthalene	10.710	128	653977	9.593	ng		99
32) Benzoic acid	9.886	122	67388	10.696	ng		97
33) 4-Chloroaniline	10.810	127	266307	9.240	ng		99
34) Hexachlorobutadiene	11.004	225	140567	9.205	ng		94
35) Caprolactam	11.557	113	42675	7.474	ng		94
36) 4-Chloro-3-methylphenol	11.927	107	171511	8.781	ng		97
37) 2-Methylnaphthalene	12.322	142	399569	9.283	ng		99
38) 1-Methylnaphthalene	12.539	142	422148	9.267	ng		98
40) 1,2,4,5-Tetrachloroben...	12.686	216	240904	8.952	ng		99
41) Hexachlorocyclopentadiene	12.680	237	135571	7.881	ng		100
43) 2,4,6-Trichlorophenol	12.922	196	141791	8.560	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	159049	8.792	ng		97
46) 1,1'-Biphenyl	13.327	154	600373	9.562	ng		99
47) 2-Chloronaphthalene	13.369	162	476534	9.519	ng		99
48) 2-Nitroaniline	13.563	65	89190	7.982	ng		96
49) Acenaphthylene	14.216	152	701534	9.273	ng		99
50) Dimethylphthalate	13.945	163	543665	9.331	ng		99
51) 2,6-Dinitrotoluene	14.057	165	94728	8.468	ng		94
52) Acenaphthene	14.557	154	444228	9.236	ng		95
53) 3-Nitroaniline	14.380	138	97828	8.223	ng	#	93
54) 2,4-Dinitrophenol	14.586	184	31123	11.045	ng		99
55) Dibenzofuran	14.892	168	708153	9.555	ng		98
56) 4-Nitrophenol	14.680	139	76886	7.515	ng		98
57) 2,4-Dinitrotoluene	14.839	165	117194	9.325	ng		92
58) Fluorene	15.539	166	562098	9.208	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	129591	8.509	ng		97
60) Diethylphthalate	15.310	149	512043	9.200	ng		98
61) 4-Chlorophenyl-phenyle...	15.533	204	284655	8.918	ng		96
62) 4-Nitroaniline	15.539	138	96460	9.259	ng		90
63) Azobenzene	15.821	77	472164	9.239	ng		95
65) 4,6-Dinitro-2-methylph...	15.598	198	45307	10.934	ng		97
66) n-Nitrosodiphenylamine	15.739	169	455683	9.215	ng		99
67) 4-Bromophenyl-phenylether	16.421	248	153426	8.812	ng		94
68) Hexachlorobenzene	16.539	284	184262	8.960	ng		97
69) Atrazine	16.686	200	137949	8.495	ng		98
70) Pentachlorophenol	16.874	266	96207	7.515	ng		99
71) Phenanthrene	17.268	178	845393	9.454	ng		99
72) Anthracene	17.357	178	803377	9.025	ng		99
73) Carbazole	17.621	167	746026	9.263	ng		100
74) Di-n-butylphthalate	18.198	149	759019	8.610	ng		99
75) Fluoranthene	19.274	202	852385	8.768	ng		98
77) Benzidine	19.456	184	289481	7.256	ng		99
78) Pyrene	19.633	202	920751	9.191	ng		99
80) Butylbenzylphthalate	20.533	149	261606	7.920	ng		95
81) Benzo(a)anthracene	21.433	228	940127	9.224	ng		99
82) 3,3'-Dichlorobenzidine	21.356	252	274551	7.988	ng		100
83) Chrysene	21.497	228	902126	9.384	ng		100
84) Bis(2-ethylhexyl)phtha...	21.374	149	426642	8.136	ng		98
85) Di-n-octyl phthalate	22.521	149	580634	7.070	ng		98
87) Indeno(1,2,3-cd)pyrene	27.921	276	960927	8.706	ng	#	94
88) Benzo(b)fluoranthene	23.533	252	834603	8.740	ng		99
89) Benzo(k)fluoranthene	23.591	252	883703	8.919	ng		99
90) Benzo(a)pyrene	24.344	252	764280	8.550	ng		99
91) Dibenzo(a,h)anthracene	27.985	278	803056	8.639	ng		98
92) Benzo(g,h,i)perylene	28.997	276	776700	8.841	ng		99

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

ICAL Form

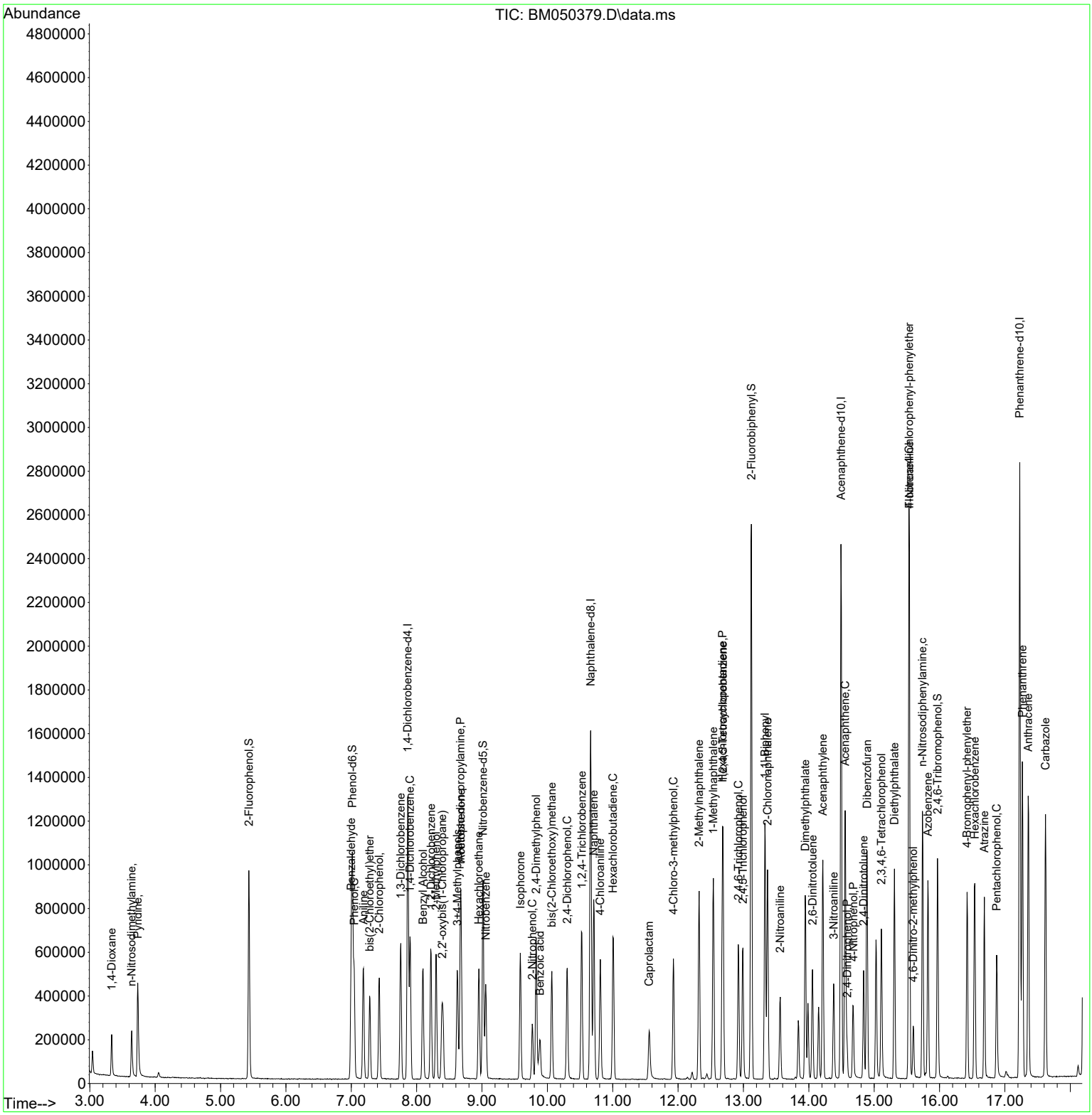
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



ICAL Form

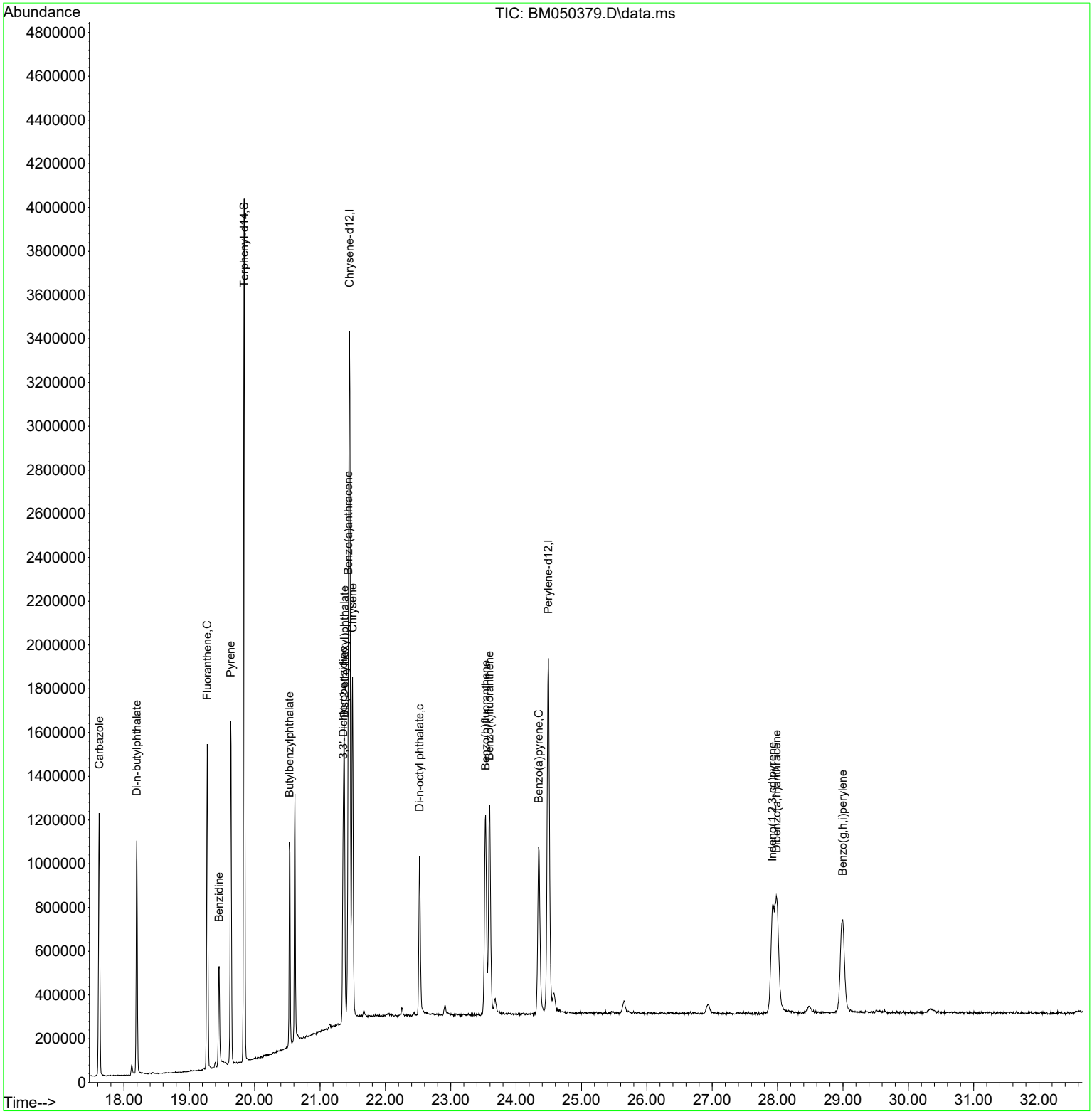
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050379.D
Acq On : 08 Jul 2025 14:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 08 18:20:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.863	152	361505	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	1364913	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	879171	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	1676151	20.000	ng		0.00
76) Chrysene-d12	21.456	240	1698030	20.000	ng		0.00
86) Perylene-d12	24.492	264	1655344	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	830817	39.560	ng		0.00
7) Phenol-d6	7.016	99	1041640	39.345	ng		0.00
23) Nitrobenzene-d5	9.016	82	1065139	39.813	ng		0.00
42) 2,4,6-Tribromophenol	15.974	330	404270	37.846	ng		0.00
45) 2-Fluorobiphenyl	13.122	172	2831991	39.780	ng		0.00
79) Terphenyl-d14	19.839	244	4159871	43.104	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.334	88	174356	20.190	ng		99
3) Pyridine	3.734	79	453940	20.022	ng		99
4) n-Nitrosodimethylamine	3.640	42	215262	20.366	ng	#	95
6) Aniline	7.187	93	666785	19.625	ng		100
8) 2-Chlorophenol	7.428	128	440657	19.898	ng		97
9) Benzaldehyde	6.999	77	355966m	22.600	ng		
10) Phenol	7.046	94	548000	19.845	ng		98
11) bis(2-Chloroethyl)ether	7.281	93	442290	20.000	ng		100
12) 1,3-Dichlorobenzene	7.757	146	540913	20.088	ng		98
13) 1,4-Dichlorobenzene	7.899	146	555418	20.200	ng		99
14) 1,2-Dichlorobenzene	8.216	146	525580	19.966	ng		99
15) Benzyl Alcohol	8.099	79	359867	19.292	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.393	45	657213	20.176	ng		100
17) 2-Methylphenol	8.299	107	354110	19.772	ng		100
18) Hexachloroethane	8.951	117	192269	19.883	ng		97
19) n-Nitroso-di-n-propyla...	8.669	70	320932	20.010	ng		98
20) 3+4-Methylphenols	8.622	107	468665	19.493	ng		99
22) Acetophenone	8.681	105	684104	20.046	ng	#	99
24) Nitrobenzene	9.057	77	481755	20.179	ng		100
25) Isophorone	9.587	82	865912	19.946	ng		99
26) 2-Nitrophenol	9.775	139	180315	18.532	ng		99
27) 2,4-Dimethylphenol	9.828	122	410521	19.828	ng		98
28) bis(2-Chloroethoxy)met...	10.069	93	575979	20.023	ng		100
29) 2,4-Dichlorophenol	10.304	162	424771	19.970	ng		99
30) 1,2,4-Trichlorobenzene	10.528	180	503042	19.769	ng		98
31) Naphthalene	10.710	128	1397680	20.160	ng		99
32) Benzoic acid	9.910	122	189237	19.011	ng		100
33) 4-Chloroaniline	10.810	127	582272	19.867	ng		99
34) Hexachlorobutadiene	11.010	225	303657	19.552	ng		99
35) Caprolactam	11.569	113	110042	18.951	ng		95
36) 4-Chloro-3-methylphenol	11.928	107	393366	19.804	ng		99
37) 2-Methylnaphthalene	12.322	142	871365	19.906	ng		98
38) 1-Methylnaphthalene	12.539	142	920592	19.872	ng		100
40) 1,2,4,5-Tetrachloroben...	12.686	216	536934	19.205	ng		99
41) Hexachlorocyclopentadiene	12.675	237	317506	17.766	ng		99
43) 2,4,6-Trichlorophenol	12.922	196	331504	19.263	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	364770	19.408	ng	99
46) 1,1'-Biphenyl	13.328	154	1300397	19.936	ng	99
47) 2-Chloronaphthalene	13.369	162	1043593	20.066	ng	99
48) 2-Nitroaniline	13.563	65	222094	19.132	ng	98
49) Acenaphthylene	14.216	152	1578057	20.078	ng	99
50) Dimethylphthalate	13.945	163	1202901	19.873	ng	100
51) 2,6-Dinitrotoluene	14.057	165	231144	19.889	ng	99
52) Acenaphthene	14.557	154	990178	19.816	ng	99
53) 3-Nitroaniline	14.380	138	244460	19.779	ng	96
54) 2,4-Dinitrophenol	14.586	184	85284	18.641	ng	96
55) Dibenzofuran	14.886	168	1543545	20.048	ng	99
56) 4-Nitrophenol	14.680	139	198160	18.644	ng	99
57) 2,4-Dinitrotoluene	14.839	165	299004	18.935	ng	95
58) Fluorene	15.539	166	1255879	19.803	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.110	232	312205	19.733	ng	99
60) Diethylphthalate	15.310	149	1159537	20.055	ng	98
61) 4-Chlorophenyl-phenyle...	15.533	204	644238	19.428	ng	99
62) 4-Nitroaniline	15.539	138	249635	19.209	ng	93
63) Azobenzene	15.822	77	1085005	20.436	ng	96
65) 4,6-Dinitro-2-methylph...	15.604	198	129223	18.758	ng	97
66) n-Nitrosodiphenylamine	15.739	169	1039509	19.819	ng	98
67) 4-Bromophenyl-phenylether	16.422	248	353272	19.130	ng	96
68) Hexachlorobenzene	16.539	284	424108	19.444	ng	99
69) Atrazine	16.686	200	333655	19.373	ng	97
70) Pentachlorophenol	16.874	266	243316	17.920	ng	98
71) Phenanthrene	17.269	178	1876408	19.784	ng	100
72) Anthracene	17.357	178	1859273	19.694	ng	99
73) Carbazole	17.621	167	1691521	19.801	ng	100
74) Di-n-butylphthalate	18.198	149	1829412	19.566	ng	100
75) Fluoranthene	19.274	202	1980887	19.212	ng	98
77) Benzidine	19.451	184	884477	20.422	ng	99
78) Pyrene	19.639	202	2140070	19.679	ng	99
80) Butylbenzylphthalate	20.533	149	681649	19.009	ng	95
81) Benzo(a)anthracene	21.433	228	2176940	19.676	ng	99
82) 3,3'-Dichlorobenzidine	21.356	252	689176	18.471	ng	100
83) Chrysene	21.498	228	2037978	19.529	ng	100
84) Bis(2-ethylhexyl)phtha...	21.368	149	1117874	19.638	ng	100
85) Di-n-octyl phthalate	22.521	149	1580618	17.729	ng	99
87) Indeno(1,2,3-cd)pyrene	27.927	276	2274737	19.328	ng	99
88) Benzo(b)fluoranthene	23.533	252	1948651	19.138	ng	99
89) Benzo(k)fluoranthene	23.592	252	2064811	19.544	ng	99
90) Benzo(a)pyrene	24.350	252	1819117	19.085	ng	99
91) Dibenzo(a,h)anthracene	27.991	278	1918673	19.357	ng	100
92) Benzo(g,h,i)perylene	28.997	276	1815952	19.385	ng	99

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

ICAL Form

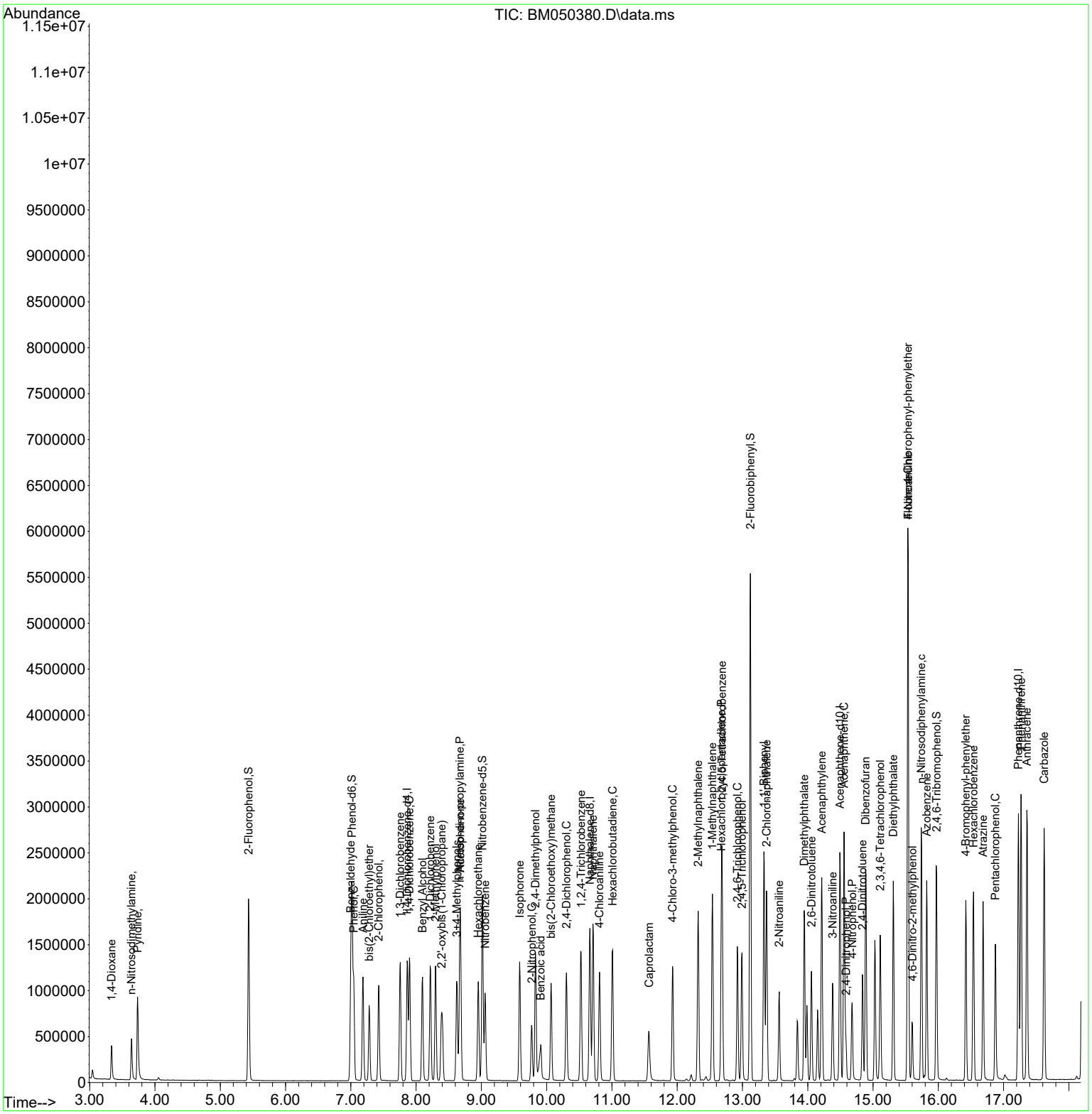
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



ICAL Form

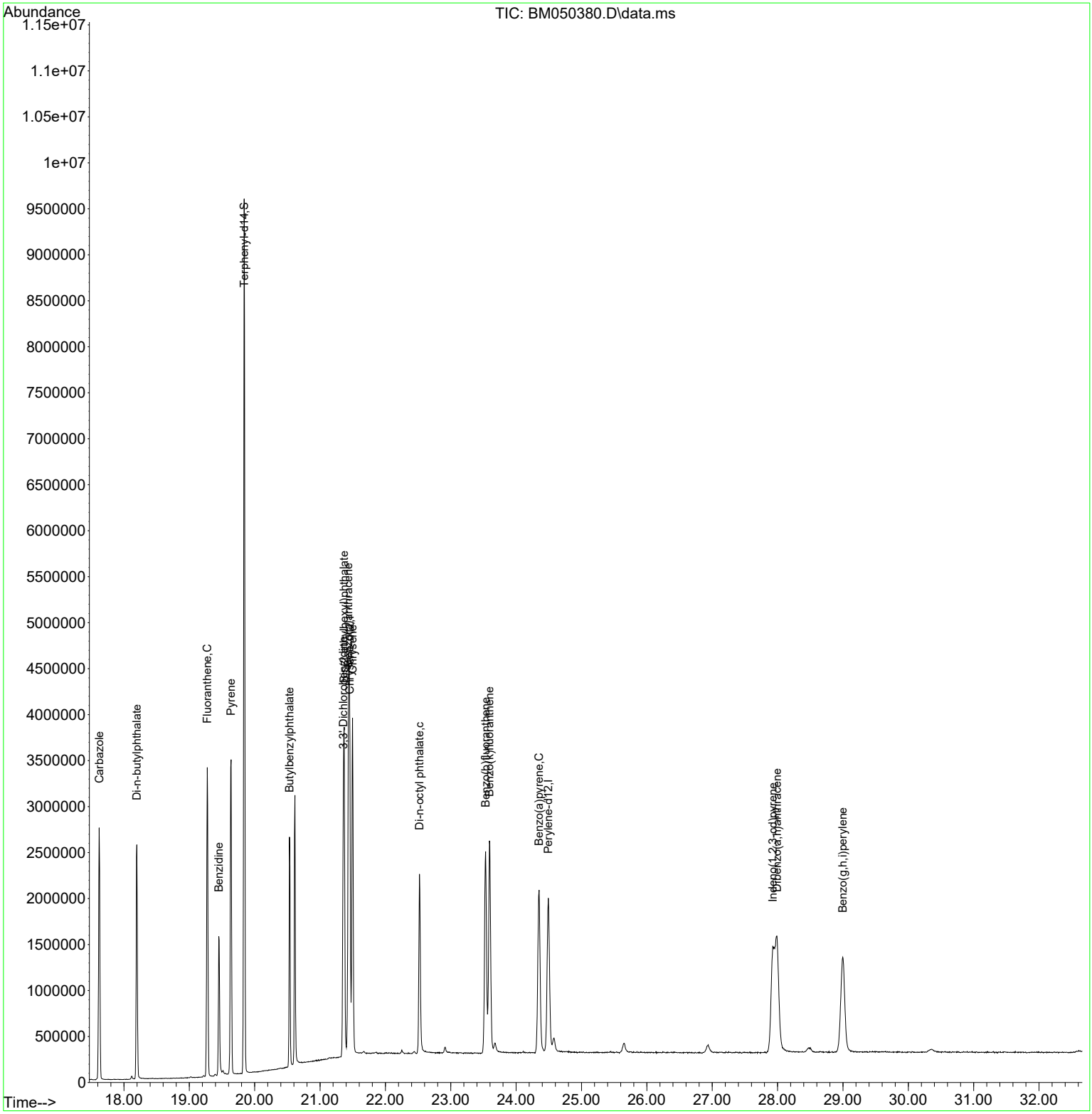
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050380.D
Acq On : 08 Jul 2025 14:40
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 08 18:21:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	390087	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1498318	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	967077	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1834050	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1904004	20.000	ng	0.00
86) Perylene-d12	24.497	264	1842285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1797254	79.307	ng	0.00
7) Phenol-d6	7.022	99	2287075	80.057	ng	0.00
23) Nitrobenzene-d5	9.022	82	2350204	80.025	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	961125	81.797	ng	0.00
45) 2-Fluorobiphenyl	13.121	172	6157884	78.635	ng	0.00
79) Terphenyl-d14	19.845	244	9584372	88.568	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	358574	38.479	ng	100
3) Pyridine	3.734	79	957840	39.152	ng	100
4) n-Nitrosodimethylamine	3.640	42	446254	39.127	ng	100
6) Aniline	7.187	93	1465425	39.971	ng	100
8) 2-Chlorophenol	7.428	128	949275	39.725	ng	100
9) Benzaldehyde	6.998	77	699931m	41.183	ng	
10) Phenol	7.051	94	1176548	39.486	ng	100
11) bis(2-Chloroethyl)ether	7.287	93	933093	39.103	ng	100
12) 1,3-Dichlorobenzene	7.757	146	1129597	38.876	ng	100
13) 1,4-Dichlorobenzene	7.904	146	1143020	38.525	ng	100
14) 1,2-Dichlorobenzene	8.222	146	1100335	38.737	ng	100
15) Benzyl Alcohol	8.098	79	797306	39.610	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.392	45	1367157	38.896	ng	100
17) 2-Methylphenol	8.298	107	772662	39.981	ng	100
18) Hexachloroethane	8.951	117	406049	38.914	ng	100
19) n-Nitroso-di-n-propyla...	8.669	70	710692	41.065	ng	100
20) 3+4-Methylphenols	8.628	107	1033775	39.847	ng	100
22) Acetophenone	8.681	105	1471867	39.290	ng	100
24) Nitrobenzene	9.057	77	1034216	39.463	ng	100
25) Isophorone	9.592	82	1916609	40.218	ng	100
26) 2-Nitrophenol	9.775	139	440758	41.266	ng	100
27) 2,4-Dimethylphenol	9.833	122	895117	39.384	ng	100
28) bis(2-Chloroethoxy)met...	10.069	93	1249755	39.577	ng	100
29) 2,4-Dichlorophenol	10.304	162	934922	40.040	ng	100
30) 1,2,4-Trichlorobenzene	10.527	180	1085193	38.850	ng	100
31) Naphthalene	10.710	128	2960809	38.905	ng	100
32) Benzoic acid	9.945	122	491059	36.793	ng	100
33) 4-Chloroaniline	10.810	127	1285226	39.947	ng	100
34) Hexachlorobutadiene	11.010	225	662229	38.844	ng	100
35) Caprolactam	11.580	113	260010	40.791	ng	100
36) 4-Chloro-3-methylphenol	11.933	107	883903	40.538	ng	100
37) 2-Methylnaphthalene	12.321	142	1901706	39.576	ng	100
38) 1-Methylnaphthalene	12.539	142	2017118	39.665	ng	100
40) 1,2,4,5-Tetrachloroben...	12.692	216	1203524	39.134	ng	100
41) Hexachlorocyclopentadiene	12.680	237	765708	38.951	ng	100
43) 2,4,6-Trichlorophenol	12.927	196	761982	40.252	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	831142	40.202	ng	100
46) 1,1'-Biphenyl	13.333	154	2786215	38.832	ng	100
47) 2-Chloronaphthalene	13.368	162	2224727	38.889	ng	100
48) 2-Nitroaniline	13.563	65	538415	42.165	ng	100
49) Acenaphthylene	14.215	152	3433586	39.714	ng	100
50) Dimethylphthalate	13.951	163	2613190	39.248	ng	100
51) 2,6-Dinitrotoluene	14.063	165	528767	41.362	ng	100
52) Acenaphthene	14.557	154	2148079	39.080	ng	100
53) 3-Nitroaniline	14.386	138	568716	41.832	ng	100
54) 2,4-Dinitrophenol	14.586	184	225952	35.873	ng	100
55) Dibenzofuran	14.892	168	3305040	39.024	ng	100
56) 4-Nitrophenol	14.680	139	473550	40.504	ng	100
57) 2,4-Dinitrotoluene	14.845	165	717807	38.104	ng	100
58) Fluorene	15.539	166	2744882	39.349	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	705044	40.512	ng	100
60) Diethylphthalate	15.315	149	2532007	39.811	ng	100
61) 4-Chlorophenyl-phenyle...	15.533	204	1443937	39.586	ng	100
62) 4-Nitroaniline	15.545	138	602257	39.043	ng	100
63) Azobenzene	15.827	77	2337291	40.021	ng	100
65) 4,6-Dinitro-2-methylph...	15.604	198	343246	36.538	ng	100
66) n-Nitrosodiphenylamine	15.745	169	2284645	39.809	ng	100
67) 4-Bromophenyl-phenylether	16.427	248	798257	39.504	ng	100
68) Hexachlorobenzene	16.539	284	940659	39.414	ng	100
69) Atrazine	16.692	200	775270	41.139	ng	100
70) Pentachlorophenol	16.874	266	590077	39.717	ng	100
71) Phenanthrene	17.268	178	4039451	38.923	ng	100
72) Anthracene	17.362	178	4095570	39.646	ng	100
73) Carbazole	17.621	167	3704436	39.632	ng	100
74) Di-n-butylphthalate	18.198	149	4183360	40.890	ng	100
75) Fluoranthene	19.280	202	4522403	40.085	ng	100
77) Benzidine	19.456	184	2104809	43.341	ng	100
78) Pyrene	19.639	202	4798678	39.352	ng	100
80) Butylbenzylphthalate	20.539	149	1677924	41.731	ng	100
81) Benzo(a)anthracene	21.439	228	4880944	39.344	ng	100
82) 3,3'-Dichlorobenzidine	21.356	252	1633134	39.036	ng	100
83) Chrysene	21.497	228	4604684	39.351	ng	100
84) Bis(2-ethylhexyl)phtha...	21.368	149	2685699	42.076	ng	100
85) Di-n-octyl phthalate	22.527	149	4028194	40.294	ng	100
87) Indeno(1,2,3-cd)pyrene	27.938	276	5214934	39.813	ng	100
88) Benzo(b)fluoranthene	23.538	252	4531635	39.990	ng	100
89) Benzo(k)fluoranthene	23.603	252	4654634	39.586	ng	100
90) Benzo(a)pyrene	24.356	252	4259750	40.157	ng	100
91) Dibenzo(a,h)anthracene	28.003	278	4396741	39.857	ng	100
92) Benzo(g,h,i)perylene	29.009	276	4131353	39.626	ng	100

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

ICAL Form

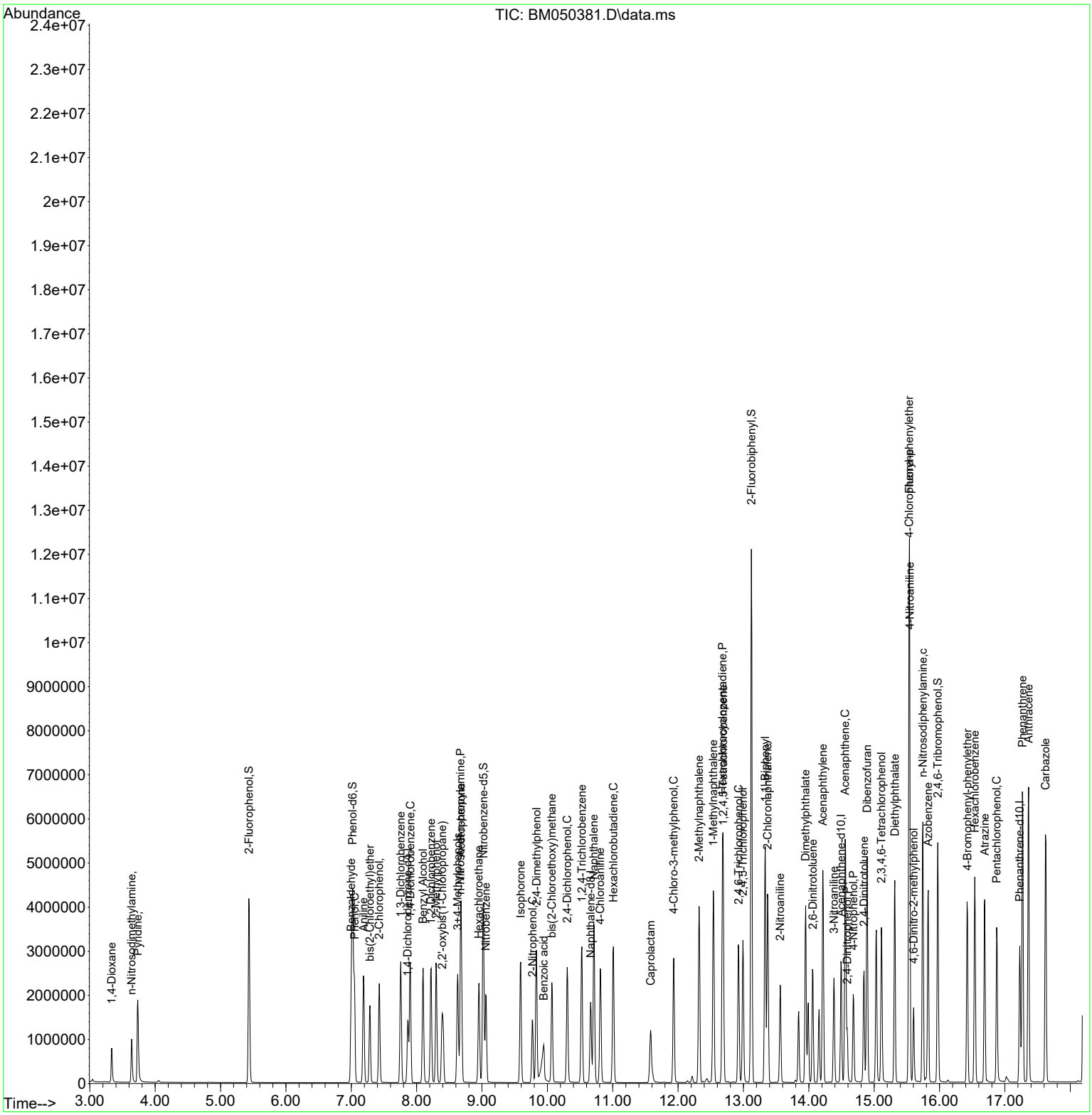
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



ICAL Form

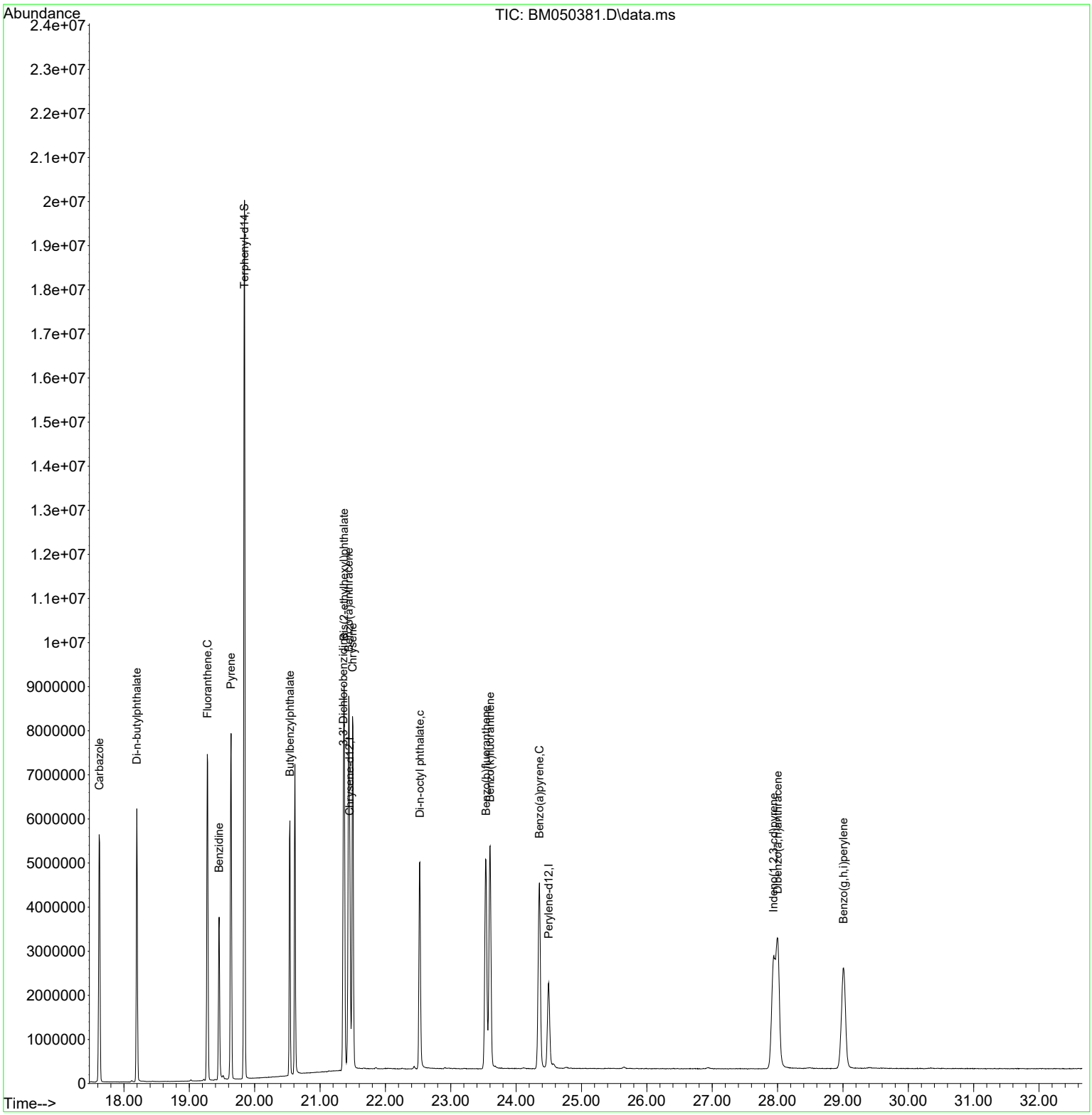
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050381.D
Acq On : 08 Jul 2025 15:20
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 18:22:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.863	152	355414	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	1368622	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	874077	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	1680679	20.000	ng		0.00
76) Chrysene-d12	21.456	240	1747476	20.000	ng		0.00
86) Perylene-d12	24.497	264	1657543	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	2235397	108.263	ng		0.00
7) Phenol-d6	7.022	99	2855911	109.721	ng		0.00
23) Nitrobenzene-d5	9.022	82	2937689	109.508	ng		0.00
42) 2,4,6-Tribromophenol	15.974	330	1246384	117.361	ng		0.00
45) 2-Fluorobiphenyl	13.122	172	7659625	108.218	ng		0.00
79) Terphenyl-d14	19.839	244	11336982	114.147	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.334	88	445164	52.431	ng		99
3) Pyridine	3.734	79	1187050	53.254	ng		98
4) n-Nitrosodimethylamine	3.640	42	550809	53.005	ng		100
6) Aniline	7.187	93	1814285	54.314	ng		99
8) 2-Chlorophenol	7.428	128	1191374	54.720	ng		100
9) Benzaldehyde	6.998	77	743485m	48.013	ng		
10) Phenol	7.051	94	1479916	54.513	ng		100
11) bis(2-Chloroethyl)ether	7.287	93	1176258	54.102	ng		98
12) 1,3-Dichlorobenzene	7.757	146	1403509	53.015	ng		98
13) 1,4-Dichlorobenzene	7.904	146	1430908	52.933	ng		99
14) 1,2-Dichlorobenzene	8.216	146	1369382	52.912	ng		99
15) Benzyl Alcohol	8.098	79	1000035	54.529	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.398	45	1694093	52.899	ng		99
17) 2-Methylphenol	8.298	107	967335	54.938	ng		98
18) Hexachloroethane	8.951	117	510428	53.689	ng		99
19) n-Nitroso-di-n-propyla...	8.675	70	892537	56.604	ng		98
20) 3+4-Methylphenols	8.628	107	1295330	54.800	ng		98
22) Acetophenone	8.687	105	1828595	53.438	ng	#	97
24) Nitrobenzene	9.063	77	1289779	53.879	ng		99
25) Isophorone	9.592	82	2401483	55.168	ng		100
26) 2-Nitrophenol	9.775	139	569906	58.414	ng		99
27) 2,4-Dimethylphenol	9.834	122	1124761	54.178	ng		98
28) bis(2-Chloroethoxy)met...	10.069	93	1555003	53.910	ng		99
29) 2,4-Dichlorophenol	10.304	162	1175856	55.130	ng		99
30) 1,2,4-Trichlorobenzene	10.528	180	1359109	53.267	ng		99
31) Naphthalene	10.716	128	3662846	52.691	ng		100
32) Benzoic acid	9.957	122	666467	51.765	ng		99
33) 4-Chloroaniline	10.810	127	1592528	54.189	ng		99
34) Hexachlorobutadiene	11.010	225	835314	53.639	ng		99
35) Caprolactam	11.586	113	328173	56.364	ng		98
36) 4-Chloro-3-methylphenol	11.933	107	1114543	55.959	ng		100
37) 2-Methylnaphthalene	12.322	142	2369763	53.990	ng		98
38) 1-Methylnaphthalene	12.539	142	2518911	54.226	ng		100
40) 1,2,4,5-Tetrachloroben...	12.692	216	1528897	55.004	ng		99
41) Hexachlorocyclopentadiene	12.680	237	982675	55.306	ng		98
43) 2,4,6-Trichlorophenol	12.927	196	968128	56.583	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	1058158	56.628	ng	99
46) 1,1'-Biphenyl	13.333	154	3466190	53.449	ng	99
47) 2-Chloronaphthalene	13.369	162	2768272	53.538	ng	100
48) 2-Nitroaniline	13.563	65	682263	59.115	ng	100
49) Acenaphthylene	14.216	152	4274915	54.707	ng	100
50) Dimethylphthalate	13.951	163	3290612	54.681	ng	100
51) 2,6-Dinitrotoluene	14.063	165	672335	58.189	ng	100
52) Acenaphthene	14.557	154	2689063	54.128	ng	99
53) 3-Nitroaniline	14.386	138	722162	58.770	ng	100
54) 2,4-Dinitrophenol	14.586	184	305096	50.427	ng	98
55) Dibenzofuran	14.892	168	4109027	53.680	ng	100
56) 4-Nitrophenol	14.686	139	602964	57.060	ng	96
57) 2,4-Dinitrotoluene	14.845	165	922804	53.047	ng	98
58) Fluorene	15.539	166	3457484	54.837	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.116	232	885196	56.275	ng	100
60) Diethylphthalate	15.316	149	3176896	55.265	ng	100
61) 4-Chlorophenyl-phenyle...	15.533	204	1834247	55.637	ng	100
62) 4-Nitroaniline	15.545	138	765716	53.869	ng	98
63) Azobenzene	15.827	77	2917647	55.274	ng	99
65) 4,6-Dinitro-2-methylph...	15.604	198	458700	50.395	ng	98
66) n-Nitrosodiphenylamine	15.745	169	2847134	54.137	ng	99
67) 4-Bromophenyl-phenylether	16.427	248	1016241	54.881	ng	99
68) Hexachlorobenzene	16.539	284	1190183	54.420	ng	98
69) Atrazine	16.692	200	975743	56.502	ng	98
70) Pentachlorophenol	16.874	266	762216	55.986	ng	99
71) Phenanthrene	17.268	178	5068282	53.293	ng	100
72) Anthracene	17.362	178	5179830	54.717	ng	100
73) Carbazole	17.621	167	4657232	54.372	ng	100
74) Di-n-butylphthalate	18.198	149	5258750	56.091	ng	100
75) Fluoranthene	19.274	202	5737944	55.500	ng	99
77) Benzidine	19.456	184	2626171	58.920	ng	100
78) Pyrene	19.639	202	6064476	54.187	ng	100
80) Butylbenzylphthalate	20.539	149	2150816	58.284	ng	100
81) Benzo(a)anthracene	21.439	228	6238737	54.793	ng	99
82) 3,3'-Dichlorobenzidine	21.356	252	2176770	56.690	ng	100
83) Chrysene	21.503	228	5797980	53.988	ng	100
84) Bis(2-ethylhexyl)phtha...	21.374	149	3407481	58.166	ng	99
85) Di-n-octyl phthalate	22.527	149	5213026	56.816	ng	99
87) Indeno(1,2,3-cd)pyrene	27.944	276	6640722	56.349	ng	100
88) Benzo(b)fluoranthene	23.539	252	5667484	55.588	ng	100
89) Benzo(k)fluoranthene	23.603	252	5984419	56.568	ng	99
90) Benzo(a)pyrene	24.356	252	5445326	57.054	ng	99
91) Dibenzo(a,h)anthracene	28.009	278	5603613	56.460	ng	99
92) Benzo(g,h,i)perylene	29.015	276	5235761	55.817	ng	99

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

ICAL Form

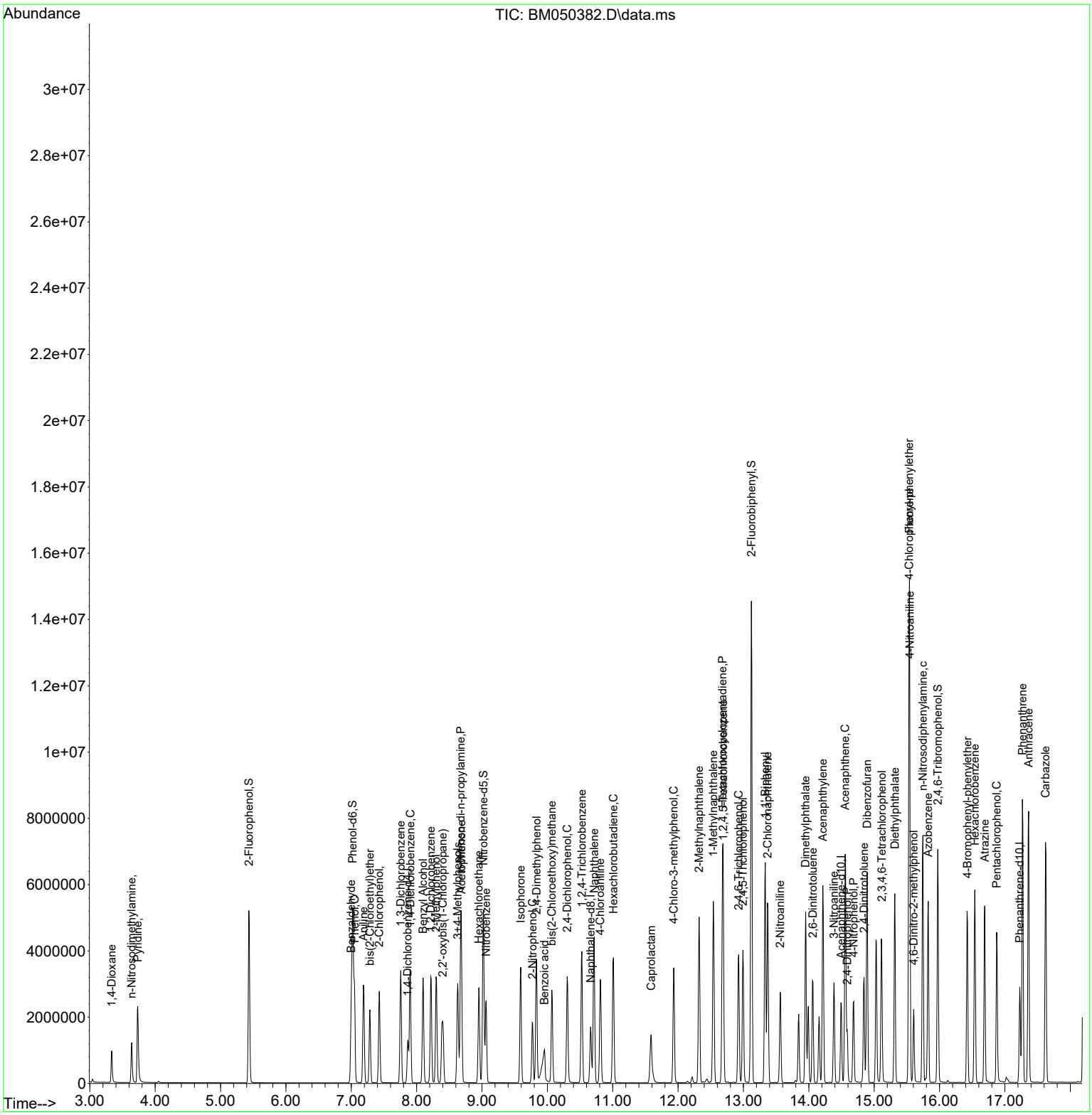
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



ICAL Form

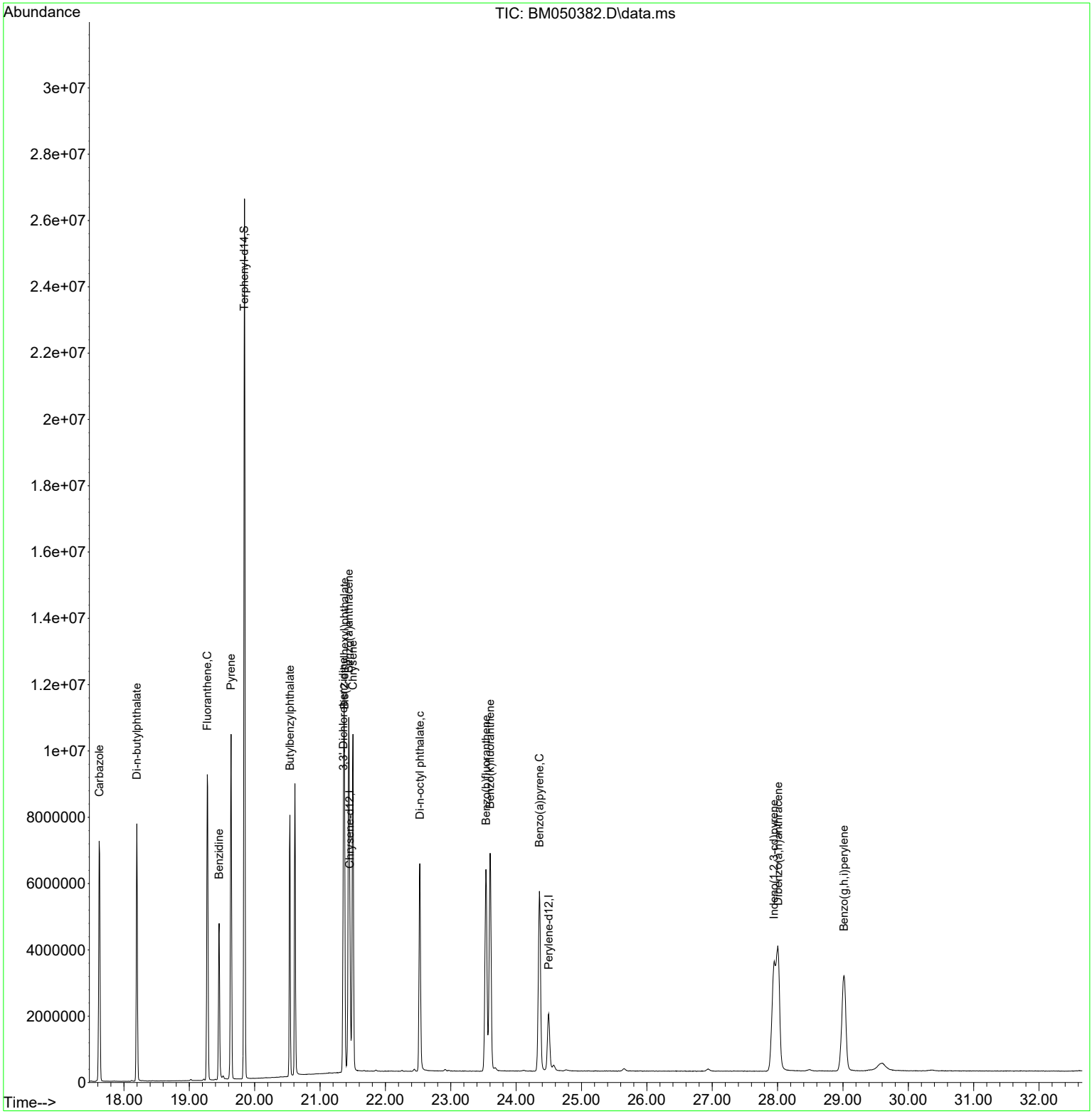
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050382.D
Acq On : 08 Jul 2025 16:01
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 08 18:23:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	406200	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1566187	20.000	ng	0.00
39) Acenaphthene-d10	14.492	164	998713	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1896999	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1968054	20.000	ng	0.00
86) Perylene-d12	24.497	264	1889317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2930103	124.166	ng	0.00
7) Phenol-d6	7.028	99	3771036	126.766	ng	0.00
23) Nitrobenzene-d5	9.022	82	3898203	126.983	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	1680132	138.460	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	10167533	125.724	ng	0.00
79) Terphenyl-d14	19.839	244	12914894	115.460	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	578083	59.574	ng	99
3) Pyridine	3.734	79	1558687	61.184	ng	98
4) n-Nitrosodimethylamine	3.640	42	725301	61.070	ng	98
6) Aniline	7.193	93	2421019	63.416	ng	99
8) 2-Chlorophenol	7.428	128	1585370	63.712	ng	99
9) Benzaldehyde	7.004	77	845390	47.768	ng	99
10) Phenol	7.051	94	1946908	62.748	ng	99
11) bis(2-Chloroethyl)ether	7.287	93	1544784	62.169	ng	99
12) 1,3-Dichlorobenzene	7.757	146	1841011	60.846	ng	98
13) 1,4-Dichlorobenzene	7.904	146	1874083	60.660	ng	99
14) 1,2-Dichlorobenzene	8.222	146	1809670	61.182	ng	99
15) Benzyl Alcohol	8.098	79	1328453	63.380	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.393	45	2219161	60.631	ng	100
17) 2-Methylphenol	8.304	107	1277440	63.479	ng	98
18) Hexachloroethane	8.951	117	678042	62.403	ng	99
19) n-Nitroso-di-n-propyla...	8.675	70	1180119	65.485	ng	96
20) 3+4-Methylphenols	8.634	107	1697411	62.832	ng	98
22) Acetophenone	8.687	105	2408904	61.517	ng	98
24) Nitrobenzene	9.063	77	1702957	62.165	ng	99
25) Isophorone	9.592	82	3190767	64.054	ng	99
26) 2-Nitrophenol	9.775	139	783612	70.186	ng	97
27) 2,4-Dimethylphenol	9.834	122	1490764	62.749	ng	98
28) bis(2-Chloroethoxy)met...	10.075	93	2048832	62.070	ng	99
29) 2,4-Dichlorophenol	10.310	162	1570701	64.353	ng	98
30) 1,2,4-Trichlorobenzene	10.528	180	1810982	62.024	ng	99
31) Naphthalene	10.716	128	4834692	60.775	ng	100
32) Benzoic acid	9.975	122	912053	60.734	ng	99
33) 4-Chloroaniline	10.810	127	2130451	63.348	ng	99
34) Hexachlorobutadiene	11.010	225	1123283	63.032	ng	99
35) Caprolactam	11.598	113	438205	65.768	ng	95
36) 4-Chloro-3-methylphenol	11.939	107	1472646	64.612	ng	98
37) 2-Methylnaphthalene	12.322	142	3153595	62.784	ng	98
38) 1-Methylnaphthalene	12.539	142	3322331	62.500	ng	99
40) 1,2,4,5-Tetrachloroben...	12.692	216	2046472	64.436	ng	99
41) Hexachlorocyclopentadiene	12.680	237	1359023	66.942	ng	99
43) 2,4,6-Trichlorophenol	12.928	196	1299719	66.483	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	1407280	65.913	ng	98
46) 1,1'-Biphenyl	13.333	154	4574537	61.736	ng	100
47) 2-Chloronaphthalene	13.375	162	3645124	61.699	ng	99
48) 2-Nitroaniline	13.563	65	904021	68.554	ng	98
49) Acenaphthylene	14.216	152	5618754	62.931	ng	99
50) Dimethylphthalate	13.957	163	4291046	62.407	ng	99
51) 2,6-Dinitrotoluene	14.063	165	891260	67.510	ng	99
52) Acenaphthene	14.557	154	3582059	63.105	ng	100
53) 3-Nitroaniline	14.386	138	957239	68.179	ng	98
54) 2,4-Dinitrophenol	14.592	184	439445	61.898	ng	85
55) Dibenzofuran	14.892	168	5344109	61.102	ng	100
56) 4-Nitrophenol	14.686	139	794516	65.804	ng	95
57) 2,4-Dinitrotoluene	14.845	165	1218665	60.887	ng	98
58) Fluorene	15.539	166	4560797	63.309	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.116	232	1189838	66.202	ng	99
60) Diethylphthalate	15.316	149	4130183	62.882	ng	100
61) 4-Chlorophenyl-phenyle...	15.533	204	2430909	64.533	ng	98
62) 4-Nitroaniline	15.545	138	991212	60.686	ng	99
63) Azobenzene	15.827	77	3812033	63.206	ng	100
65) 4,6-Dinitro-2-methylph...	15.610	198	645034	61.235	ng	91
66) n-Nitrosodiphenylamine	15.745	169	3744872	63.087	ng	99
67) 4-Bromophenyl-phenylether	16.427	248	1368680	65.485	ng	99
68) Hexachlorobenzene	16.539	284	1586965	64.288	ng	98
69) Atrazine	16.692	200	1296405	66.510	ng	100
70) Pentachlorophenol	16.880	266	1022433	66.535	ng	99
71) Phenanthrene	17.268	178	6618592	61.658	ng	100
72) Anthracene	17.363	178	6849285	64.102	ng	100
73) Carbazole	17.627	167	6106388	63.161	ng	99
74) Di-n-butylphthalate	18.198	149	6920453	65.398	ng	100
75) Fluoranthene	19.280	202	7618952	65.290	ng	99
77) Benzidine	19.456	184	3256422	64.872	ng	100
78) Pyrene	19.639	202	8067941	64.009	ng	100
80) Butylbenzylphthalate	20.533	149	2900200	69.782	ng	97
81) Benzo(a)anthracene	21.439	228	8142088	63.495	ng	99
82) 3,3'-Dichlorobenzidine	21.356	252	2878037	66.553	ng	100
83) Chrysene	21.503	228	7690956	63.587	ng	100
84) Bis(2-ethylhexyl)phtha...	21.368	149	4504059	68.268	ng	98
85) Di-n-octyl phthalate	22.521	149	7047940	68.206	ng	99
87) Indeno(1,2,3-cd)pyrene	27.950	276	8866549	66.007	ng	99
88) Benzo(b)fluoranthene	23.539	252	7617485	65.548	ng	99
89) Benzo(k)fluoranthene	23.603	252	7861158	65.192	ng	100
90) Benzo(a)pyrene	24.356	252	7260855	66.744	ng	99
91) Dibenzo(a,h)anthracene	28.009	278	7483970	66.155	ng	99
92) Benzo(g,h,i)perylene	29.021	276	6983867	65.319	ng	99

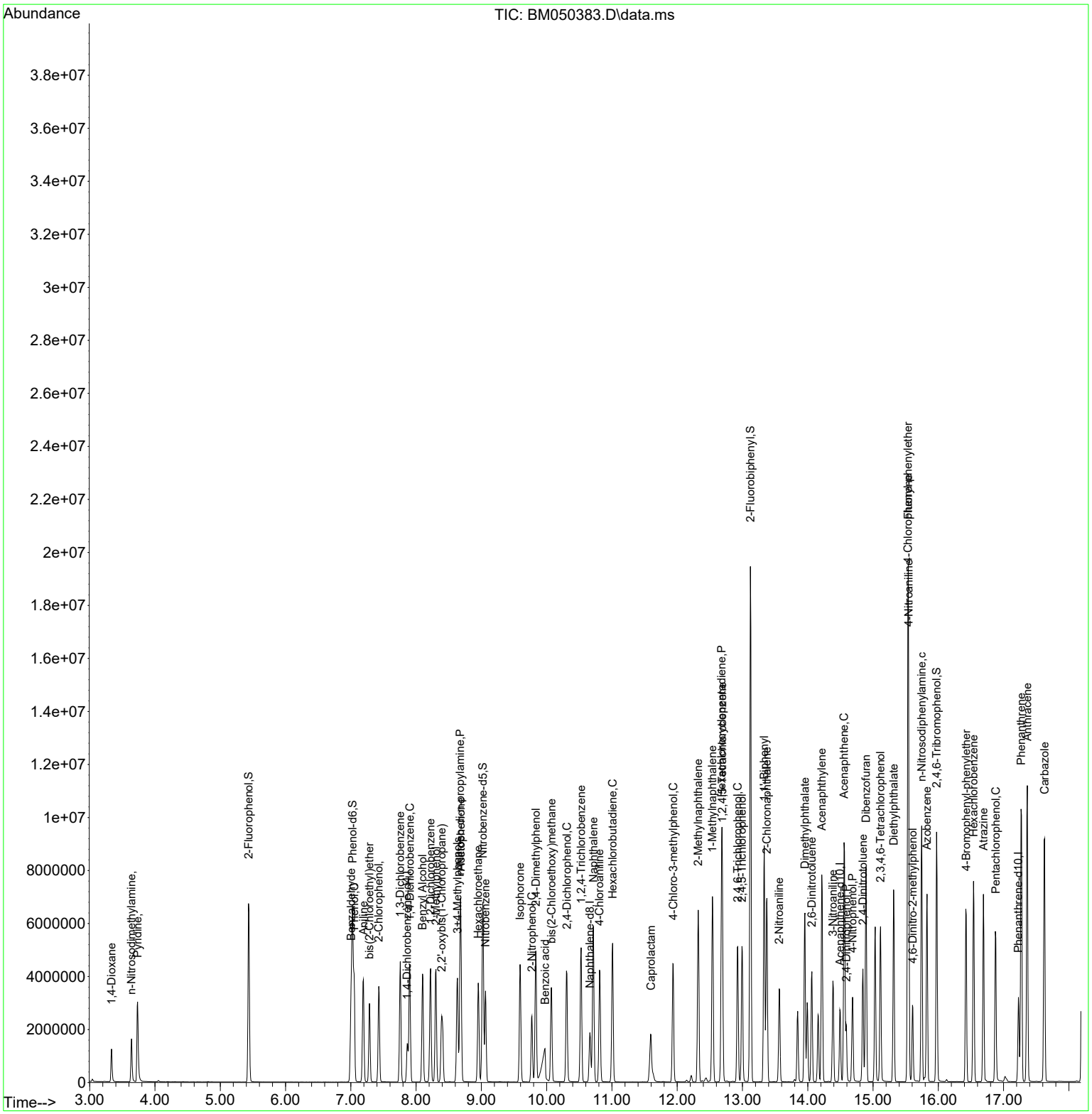
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

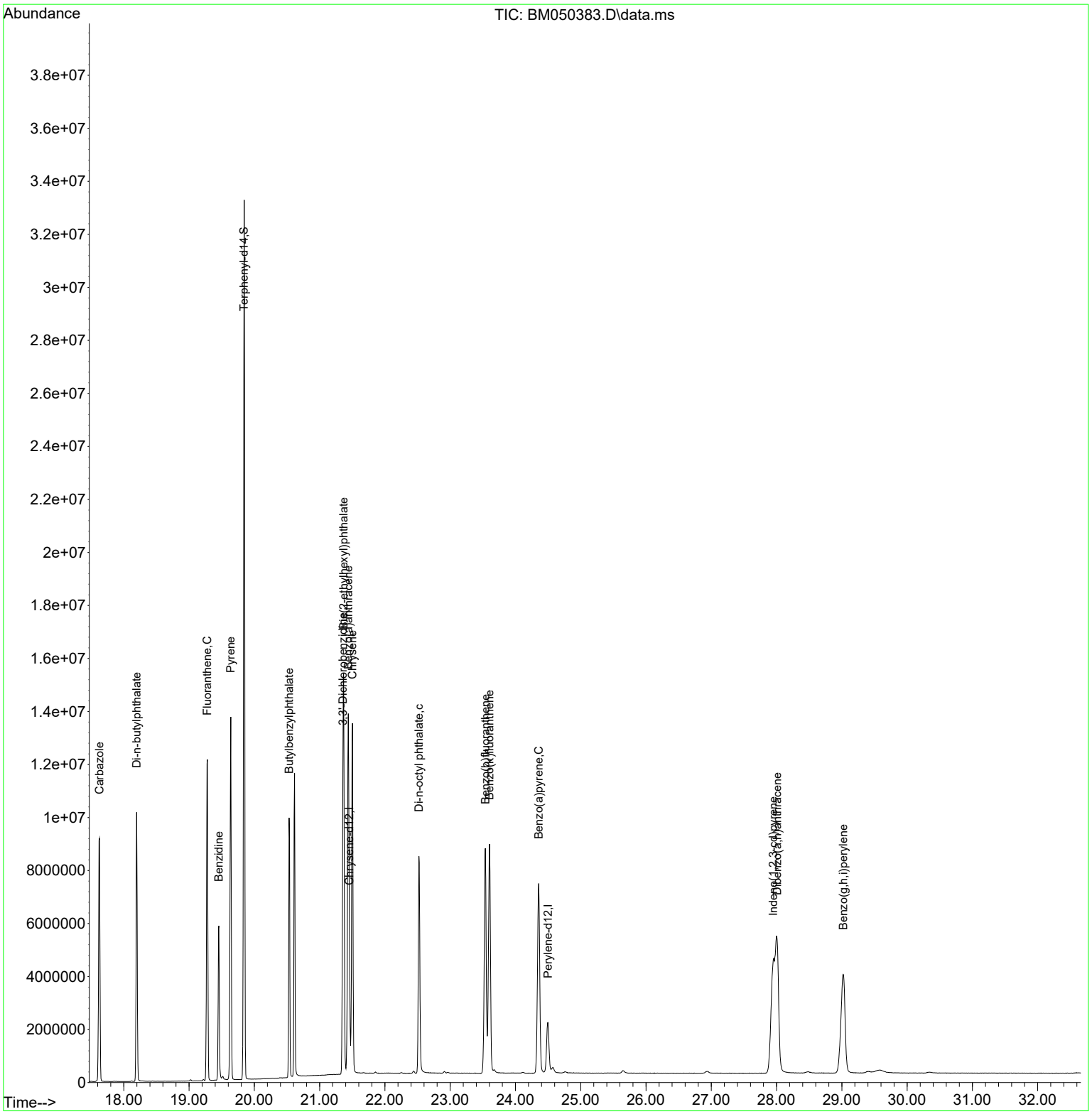


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050383.D
Acq On : 08 Jul 2025 16:41
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Jul 08 18:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	429681	20.000	ng	0.00
21) Naphthalene-d8	10.663	136	1643859	20.000	ng	0.00
39) Acenaphthene-d10	14.498	164	1043719	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	1944455	20.000	ng	0.00
76) Chrysene-d12	21.457	240	2055292	20.000	ng	0.00
86) Perylene-d12	24.498	264	1953481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	4014825	160.835	ng	0.00
7) Phenol-d6	7.028	99	5149049	163.630	ng	0.00
23) Nitrobenzene-d5	9.028	82	5264647	163.391	ng	0.00
42) 2,4,6-Tribromophenol	15.980	330	2335664	184.182	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	13148691	155.576	ng	0.00
79) Terphenyl-d14	19.839	244	14435460	123.577	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.334	88	785309	76.507	ng	99
3) Pyridine	3.734	79	2123609	78.804	ng	98
4) n-Nitrosodimethylamine	3.640	42	970223	77.228	ng	96
6) Aniline	7.193	93	3301305	81.748	ng	99
8) 2-Chlorophenol	7.428	128	2162654	82.163	ng	99
10) Phenol	7.052	94	2637766	80.368	ng	100
11) bis(2-Chloroethyl)ether	7.287	93	2092911	79.625	ng	99
12) 1,3-Dichlorobenzene	7.757	146	2517372	78.654	ng	98
13) 1,4-Dichlorobenzene	7.904	146	2555213	78.187	ng	99
14) 1,2-Dichlorobenzene	8.222	146	2454039	78.434	ng	99
15) Benzyl Alcohol	8.104	79	1807870	81.539	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.399	45	2991629	77.270	ng	99
17) 2-Methylphenol	8.304	107	1732716	81.397	ng	99
18) Hexachloroethane	8.951	117	932539	81.135	ng	99
19) n-Nitroso-di-n-propyla...	8.681	70	1587587	83.281	ng	95
20) 3+4-Methylphenols	8.634	107	2300155	80.491	ng	100
22) Acetophenone	8.687	105	3217324	78.279	ng	98
24) Nitrobenzene	9.063	77	2296616	79.875	ng	100
25) Isophorone	9.598	82	4289620	82.044	ng	100
26) 2-Nitrophenol	9.775	139	1095059	93.448	ng	97
27) 2,4-Dimethylphenol	9.834	122	2026460	81.267	ng	97
28) bis(2-Chloroethoxy)met...	10.075	93	2760921	79.691	ng	99
29) 2,4-Dichlorophenol	10.310	162	2134843	83.334	ng	98
30) 1,2,4-Trichlorobenzene	10.528	180	2483928	81.052	ng	99
31) Naphthalene	10.716	128	6520664	78.095	ng	100
32) Benzoic acid	9.993	122	1311597	81.001	ng	97
33) 4-Chloroaniline	10.816	127	2873151	81.395	ng	99
34) Hexachlorobutadiene	11.010	225	1546563	82.684	ng	100
35) Caprolactam	11.604	113	594080	84.949	ng	93
36) 4-Chloro-3-methylphenol	11.940	107	1983864	82.929	ng	100
37) 2-Methylnaphthalene	12.322	142	4254768	80.705	ng	99
38) 1-Methylnaphthalene	12.545	142	4475032	80.207	ng	99
40) 1,2,4,5-Tetrachloroben...	12.692	216	2824950	85.112	ng	99
41) Hexachlorocyclopentadiene	12.681	237	1914528	90.239	ng	99
43) 2,4,6-Trichlorophenol	12.928	196	1782842	87.263	ng	99
44) 2,4,5-Trichlorophenol	12.998	196	1919360	86.021	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.334	154	6141549	79.310	ng		100
47) 2-Chloronaphthalene	13.375	162	4889665	79.196	ng		99
48) 2-Nitroaniline	13.569	65	1233222	89.485	ng		96
49) Acenaphthylene	14.222	152	7559726	81.019	ng		100
50) Dimethylphthalate	13.957	163	5732691	79.779	ng		100
51) 2,6-Dinitrotoluene	14.063	165	1207179	87.496	ng		99
52) Acenaphthene	14.563	154	4833886	81.486	ng		99
53) 3-Nitroaniline	14.392	138	1297724	88.444	ng		99
54) 2,4-Dinitrophenol	14.592	184	626569	82.116	ng		86
55) Dibenzofuran	14.892	168	7143343	78.152	ng		99
56) 4-Nitrophenol	14.692	139	1075848	85.262	ng		93
57) 2,4-Dinitrotoluene	14.851	165	1674329	79.189	ng		94
58) Fluorene	15.539	166	6138107	81.530	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.116	232	1636646	87.136	ng		97
60) Diethylphthalate	15.316	149	5511226	80.291	ng		100
61) 4-Chlorophenyl-phenyle...	15.533	204	3298863	83.798	ng		98
62) 4-Nitroaniline	15.551	138	1336300	77.536	ng		97
63) Azobenzene	15.828	77	5026045	79.741	ng		99
65) 4,6-Dinitro-2-methylph...	15.610	198	912781	82.140	ng		92
66) n-Nitrosodiphenylamine	15.745	169	5086187	83.592	ng		100
67) 4-Bromophenyl-phenylether	16.427	248	1878071	87.664	ng		97
68) Hexachlorobenzene	16.539	284	2164238	85.534	ng		97
69) Atrazine	16.692	200	1767182	88.450	ng		99
70) Pentachlorophenol	16.880	266	1425059	90.473	ng		99
71) Phenanthrene	17.274	178	8893346	80.828	ng		99
72) Anthracene	17.363	178	9167986	83.709	ng		99
73) Carbazole	17.627	167	8180242	82.547	ng		99
74) Di-n-butylphthalate	18.198	149	9300935	85.749	ng		99
75) Fluoranthene	19.280	202	10317307	86.256	ng		99
77) Benzidine	19.457	184	3817410	72.819	ng		100
78) Pyrene	19.639	202	10818153	82.185	ng		99
80) Butylbenzylphthalate	20.539	149	3938114	90.734	ng		97
81) Benzo(a)anthracene	21.439	228	11055858	82.558	ng		99
82) 3,3'-Dichlorobenzidine	21.362	252	3825108	84.699	ng		99
83) Chrysene	21.504	228	10270454	81.310	ng		99
84) Bis(2-ethylhexyl)phtha...	21.374	149	6100517	88.540	ng	#	96
85) Di-n-octyl phthalate	22.527	149	9722259	90.093	ng		99
87) Indeno(1,2,3-cd)pyrene	27.956	276	12120915	87.270	ng		99
88) Benzo(b)fluoranthene	23.545	252	10371642	86.316	ng		99
89) Benzo(k)fluoranthene	23.609	252	10546917	84.592	ng		100
90) Benzo(a)pyrene	24.362	252	9879526	87.833	ng		100
91) Dibenzo(a,h)anthracene	28.015	278	10165335	86.905	ng		99
92) Benzo(g,h,i)perylene	29.027	276	9504954	85.979	ng		99

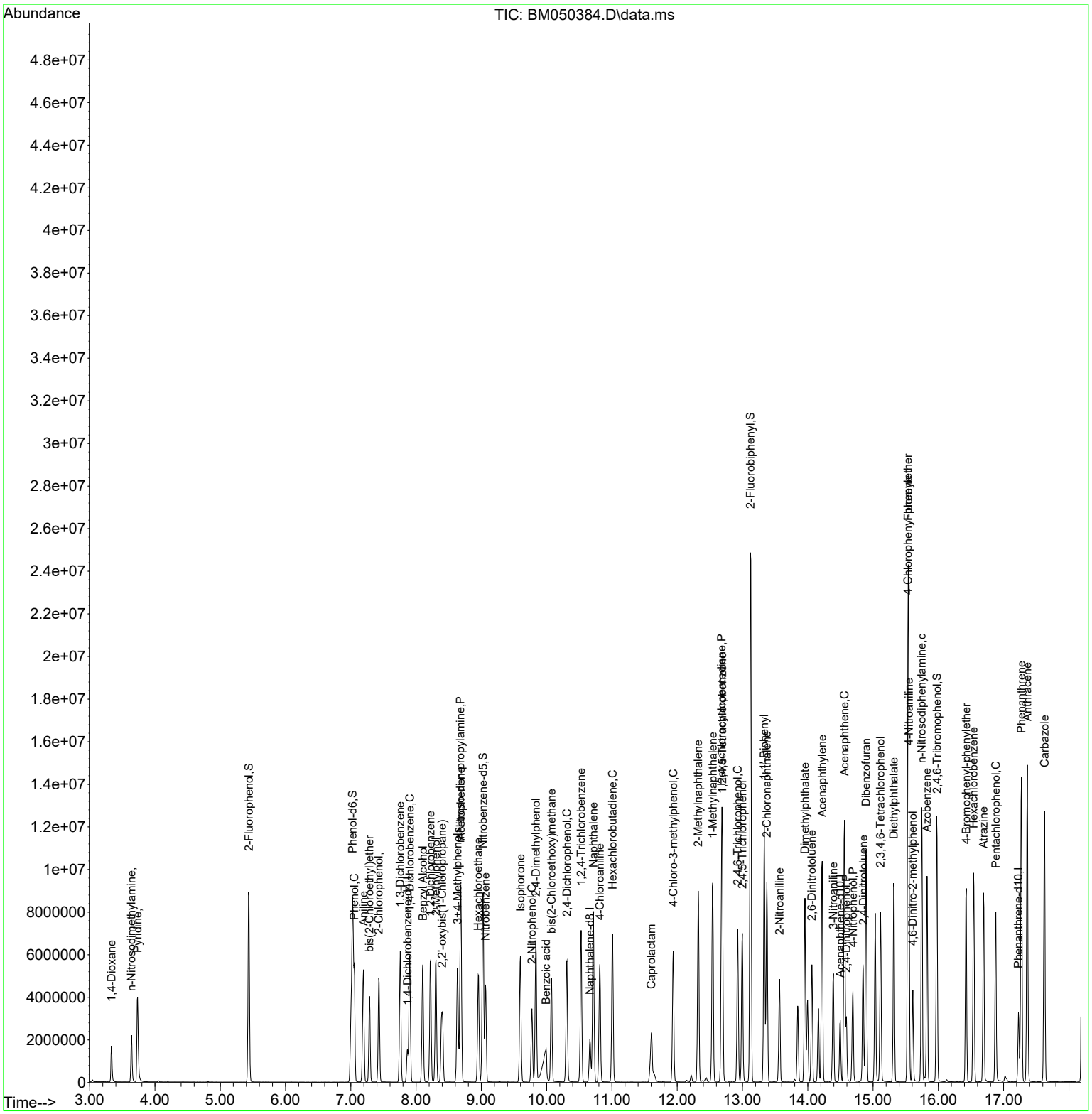
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration

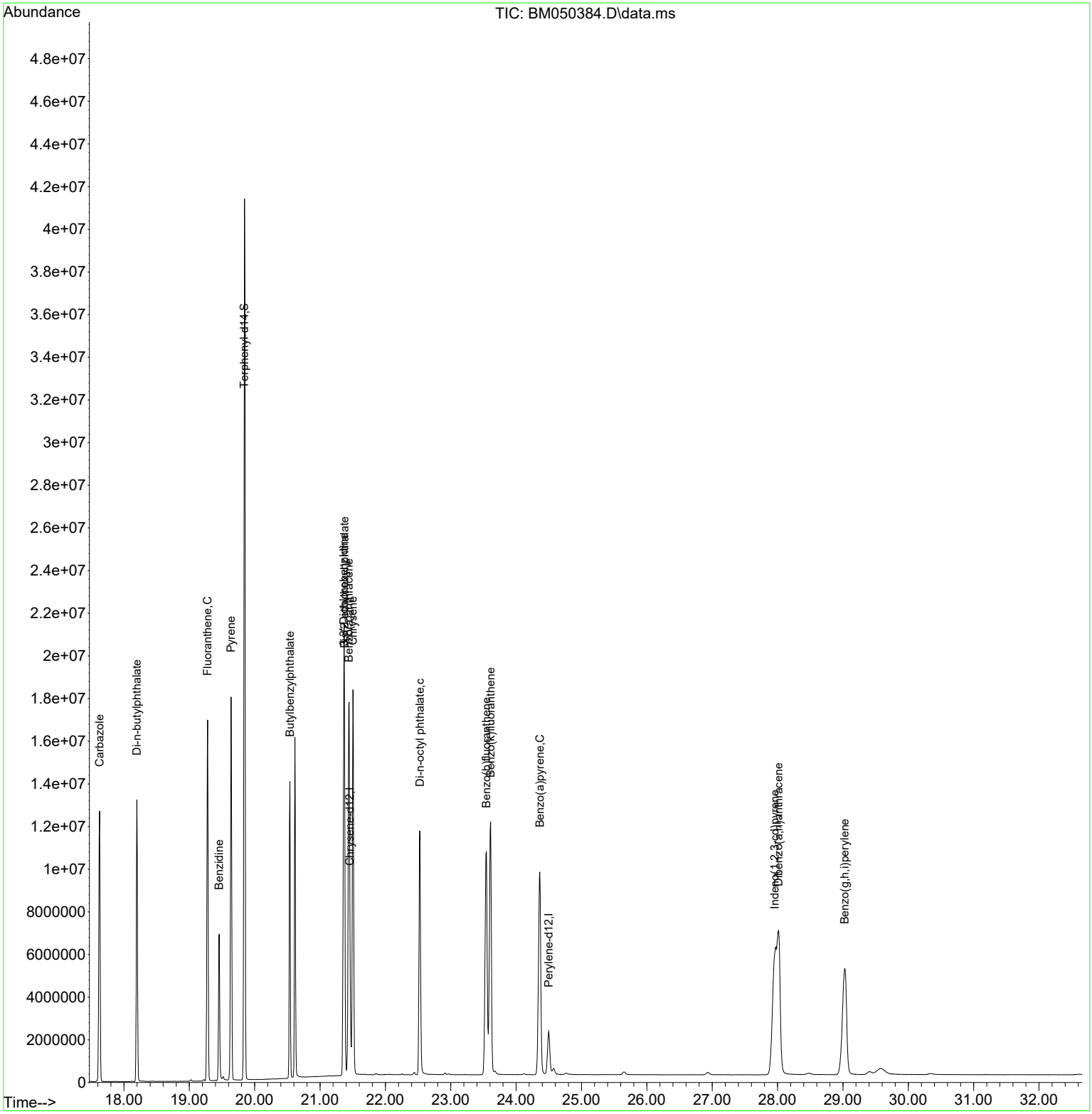


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050384.D
Acq On : 08 Jul 2025 17:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Jul 08 18:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 17:58:12 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.863	152	404345	20.000	ng		0.00
21) Naphthalene-d8	10.663	136	1554046	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	1008264	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	1898481	20.000	ng		0.00
76) Chrysene-d12	21.456	240	1940016	20.000	ng		0.00
86) Perylene-d12	24.497	264	1874427	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1875929	79.859	ng		0.00
7) Phenol-d6	7.022	99	2388524	80.660	ng		0.00
23) Nitrobenzene-d5	9.016	82	2227871	73.139	ng		0.00
42) 2,4,6-Tribromophenol	15.974	330	1026446	83.788	ng		0.00
45) 2-Fluorobiphenyl	13.121	172	5771427	70.689	ng		0.00
79) Terphenyl-d14	19.845	244	8726739	79.145	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.334	88	366994	37.994	ng		99
3) Pyridine	3.734	79	1042715	41.118	ng		98
4) n-Nitrosodimethylamine	3.640	42	482767	40.835	ng		99
6) Aniline	7.187	93	1617701	42.568	ng		100
8) 2-Chlorophenol	7.428	128	1063478	42.935	ng		98
9) Benzaldehyde	6.998	77	799316m	45.376	ng		
10) Phenol	7.051	94	1300713	42.114	ng		99
11) bis(2-Chloroethyl)ether	7.287	93	1044803	42.240	ng		98
12) 1,3-Dichlorobenzene	7.757	146	1260411	41.848	ng		97
13) 1,4-Dichlorobenzene	7.904	146	1279655	41.609	ng		99
14) 1,2-Dichlorobenzene	8.216	146	1221241	41.478	ng		99
15) Benzyl Alcohol	8.098	79	887896	42.555	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.392	45	1497256	41.095	ng		99
17) 2-Methylphenol	8.298	107	855883	42.726	ng		99
18) Hexachloroethane	8.951	117	453255	41.906	ng		99
19) n-Nitroso-di-n-propyla...	8.675	70	792336	44.168	ng		97
20) 3+4-Methylphenols	8.628	107	1136862	42.276	ng		99
22) Acetophenone	8.686	105	1643199	42.290	ng	#	97
24) Nitrobenzene	9.063	77	1137842	41.860	ng		98
25) Isophorone	9.592	82	2120872	42.909	ng		99
26) 2-Nitrophenol	9.775	139	514999	46.488	ng		97
27) 2,4-Dimethylphenol	9.833	122	1001149	42.470	ng		98
28) bis(2-Chloroethoxy)met...	10.069	93	1371682	41.880	ng		100
29) 2,4-Dichlorophenol	10.304	162	1042869	43.061	ng		99
30) 1,2,4-Trichlorobenzene	10.528	180	1216831	42.001	ng		99
31) Naphthalene	10.716	128	3258495	41.281	ng		99
32) Benzoic acid	9.951	122	593935	41.913	ng		97
33) 4-Chloroaniline	10.810	127	1415715	42.424	ng		99
34) Hexachlorobutadiene	11.010	225	749497	42.386	ng		99
35) Caprolactam	11.586	113	285315	43.156	ng		92
36) 4-Chloro-3-methylphenol	11.933	107	979521	43.312	ng		100
37) 2-Methylnaphthalene	12.322	142	2124989	42.637	ng		99
38) 1-Methylnaphthalene	12.539	142	2230710	42.292	ng		98
40) 1,2,4,5-Tetrachloroben...	12.692	216	1374217	42.859	ng		100
41) Hexachlorocyclopentadiene	12.680	237	881607	43.015	ng		99
43) 2,4,6-Trichlorophenol	12.927	196	858251	43.485	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.992	196	938542	43.542	ng	99
46) 1,1'-Biphenyl	13.333	154	3108770	41.557	ng	100
47) 2-Chloronaphthalene	13.368	162	2461641	41.272	ng	99
48) 2-Nitroaniline	13.563	65	592401	44.497	ng	97
49) Acenaphthylene	14.215	152	3783308	41.972	ng	99
50) Dimethylphthalate	13.951	163	2890119	41.635	ng	100
51) 2,6-Dinitrotoluene	14.063	165	591843	44.405	ng	98
52) Acenaphthene	14.557	154	2381763	41.562	ng	99
53) 3-Nitroaniline	14.386	138	636015	44.871	ng	98
54) 2,4-Dinitrophenol	14.586	184	266947	39.797	ng	98
55) Dibenzofuran	14.892	168	3609413	40.877	ng	99
56) 4-Nitrophenol	14.686	139	521977	42.822	ng	94
57) 2,4-Dinitrotoluene	14.845	165	807634	40.905	ng	98
58) Fluorene	15.539	166	3012801	41.425	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.115	232	784378	43.229	ng	99
60) Diethylphthalate	15.315	149	2759041	41.609	ng	99
61) 4-Chlorophenyl-phenyle...	15.533	204	1608200	42.288	ng	99
62) 4-Nitroaniline	15.545	138	649355	40.288	ng	96
63) Azobenzene	15.821	77	2528721	41.531	ng	97
65) 4,6-Dinitro-2-methylph...	15.604	198	399918	40.334	ng	99
66) n-Nitrosodiphenylamine	15.745	169	2506809	42.198	ng	100
67) 4-Bromophenyl-phenylether	16.427	248	894310	42.755	ng	99
68) Hexachlorobenzene	16.539	284	1046980	42.380	ng	99
69) Atrazine	16.692	200	862455	44.212	ng	99
70) Pentachlorophenol	16.874	266	662449	43.075	ng	100
71) Phenanthrene	17.268	178	4444618	41.373	ng	100
72) Anthracene	17.362	178	4525011	42.316	ng	100
73) Carbazole	17.621	167	4044979	41.806	ng	100
74) Di-n-butylphthalate	18.198	149	4579991	43.247	ng	100
75) Fluoranthene	19.280	202	4960360	42.474	ng	100
77) Benzidine	19.456	184	2625052	53.050	ng	100
78) Pyrene	19.639	202	5250364	42.257	ng	100
80) Butylbenzylphthalate	20.539	149	1849278	45.139	ng	98
81) Benzo(a)anthracene	21.439	228	5322771	42.109	ng	100
82) 3,3'-Dichlorobenzidine	21.356	252	1864267	43.733	ng	100
83) Chrysene	21.497	228	4998506	41.924	ng	100
84) Bis(2-ethylhexyl)phtha...	21.368	149	2892877	44.481	ng	99
85) Di-n-octyl phthalate	22.521	149	4457449	43.760	ng	99
87) Indeno(1,2,3-cd)pyrene	27.938	276	5647629	42.377	ng	100
88) Benzo(b)fluoranthene	23.533	252	4906807	42.558	ng	100
89) Benzo(k)fluoranthene	23.597	252	5010695	41.883	ng	100
90) Benzo(a)pyrene	24.356	252	4633762	42.933	ng	99
91) Dibenzo(a,h)anthracene	28.003	278	4772470	42.521	ng	99
92) Benzo(g,h,i)perylene	29.009	276	4476118	42.197	ng	99

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

ICAL Form

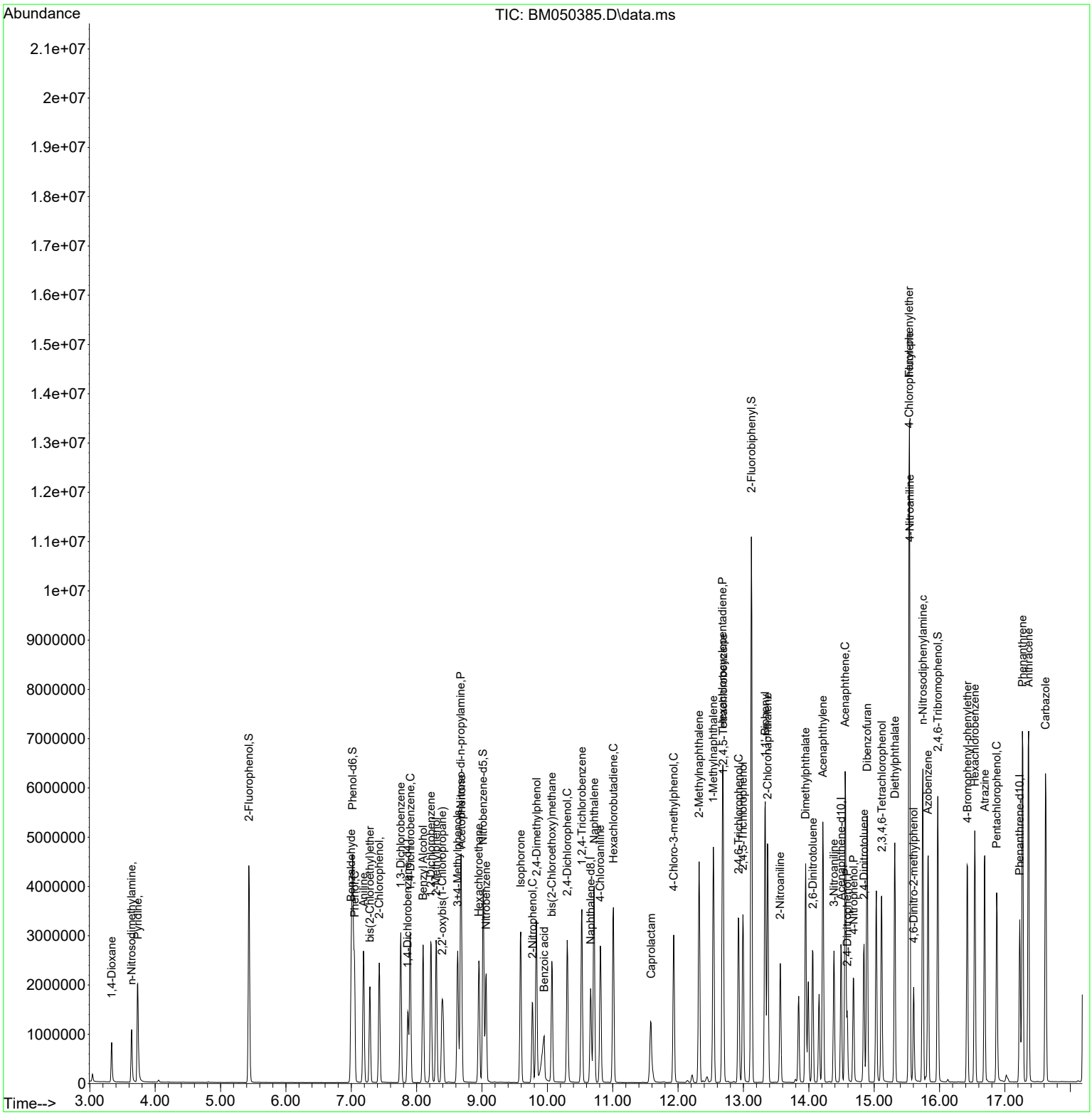
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



ICAL Form

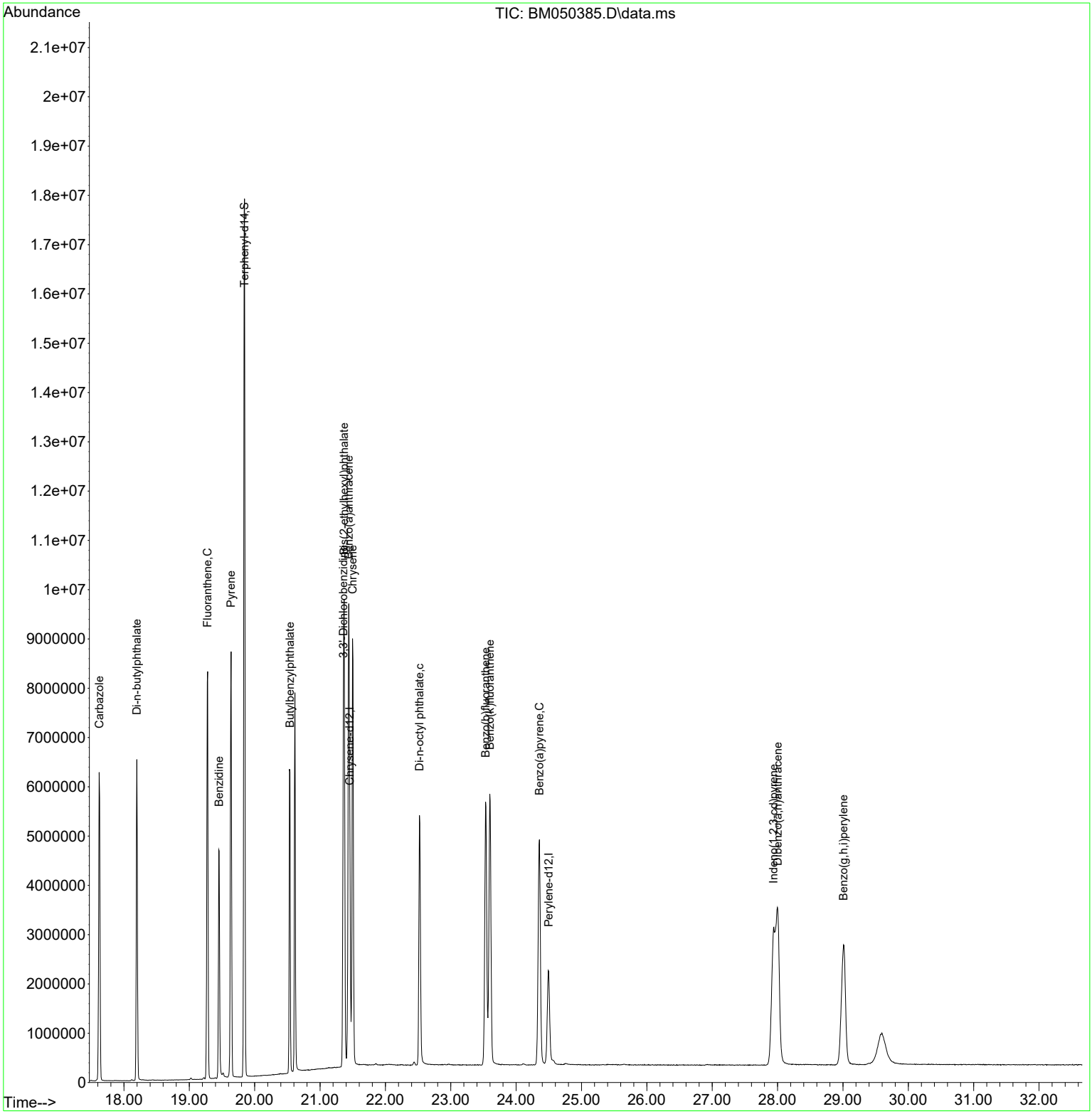
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/09/2025
Supervised By :Jagrut Upadhyay 07/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 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	104	0.00
2		1,4-Dioxane	0.478	0.454	5.0	102	0.00
3		Pyridine	1.254	1.289	-2.8	109	0.00
4		n-Nitrosodimethylamine	0.585	0.597	-2.1	108	0.00
5	S	2-Fluorophenol	1.162	1.160	0.2	104	0.00
6		Aniline	1.880	2.000	-6.4	110	0.00
7	S	Phenol-d6	1.465	1.477	-0.8	104	0.00
8		2-Chlorophenol	1.225	1.315	-7.3	112	0.00
9		Benzaldehyde	0.871	0.988	-13.4	114	0.00
10	C	Phenol	1.528	1.608	-5.2	111	0.00
11		bis(2-Chloroethyl)ether	1.223	1.292	-5.6	112	0.00
12		1,3-Dichlorobenzene	1.490	1.559	-4.6	112	0.00
13	C	1,4-Dichlorobenzene	1.521	1.582	-4.0	112	0.00
14		1,2-Dichlorobenzene	1.456	1.510	-3.7	111	0.00
15		Benzyl Alcohol	1.032	1.098	-6.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	1.802	1.851	-2.7	110	0.00
17		2-Methylphenol	0.991	1.058	-6.8	111	0.00
18		Hexachloroethane	0.535	0.560	-4.7	112	0.00
19	P	n-Nitroso-di-n-propylamine	0.887	0.980	-10.5	111	0.00
20		3+4-Methylphenols	1.330	1.406	-5.7	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.500	0.529	-5.8	112	0.00
23	S	Nitrobenzene-d5	0.392	0.358	8.7	95	0.00
24		Nitrobenzene	0.350	0.366	-4.6	110	0.00
25		Isophorone	0.636	0.682	-7.2	111	0.00
26	C	2-Nitrophenol	0.143	0.166	-16.1	117	0.00
27		2,4-Dimethylphenol	0.303	0.322	-6.3	112	0.00
28		bis(2-Chloroethoxy)methane	0.422	0.441	-4.5	110	0.00
29	C	2,4-Dichlorophenol	0.312	0.336	-7.7	112	0.00
30		1,2,4-Trichlorobenzene	0.373	0.392	-5.1	112	0.00
31		Naphthalene	1.016	1.048	-3.1	110	0.00
32		Benzoic acid	0.165	0.191	-15.8	121	0.00
33		4-Chloroaniline	0.429	0.455	-6.1	110	0.00
34	C	Hexachlorobutadiene	0.228	0.241	-5.7	113	0.00
35		Caprolactam	0.085	0.092	-8.2	110	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.315	-8.2	111	0.00
37		2-Methylnaphthalene	0.641	0.684	-6.7	112	0.00
38		1-Methylnaphthalene	0.679	0.718	-5.7	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.636	0.681	-7.1	114	0.00
41	P	Hexachlorocyclopentadiene	0.407	0.437	-7.4	115	0.00
42	S	2,4,6-Tribromophenol	0.243	0.255	-4.9	107	0.00
43	C	2,4,6-Trichlorophenol	0.391	0.426	-9.0	113	0.00
44		2,4,5-Trichlorophenol	0.428	0.465	-8.6	113	0.00
45	S	2-Fluorobiphenyl	1.620	1.431	11.7	94	0.00
46		1,1'-Biphenyl	1.484	1.542	-3.9	112	0.00
47		2-Chloronaphthalene	1.183	1.221	-3.2	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 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	0.264	0.294	-11.4	110	0.00
49		Acenaphthylene	1.788	1.876	-4.9	110	0.00
50		Dimethylphthalate	1.377	1.433	-4.1	111	0.00
51		2,6-Dinitrotoluene	0.264	0.293	-11.0	112	0.00
52	C	Acenaphthene	1.137	1.181	-3.9	111	0.00
53		3-Nitroaniline	0.281	0.315	-12.1	112	0.00
54	P	2,4-Dinitrophenol	0.121	0.132	-9.1	118	0.00
55		Dibenzofuran	1.751	1.790	-2.2	109	0.00
56	P	4-Nitrophenol	0.242	0.259	-7.0	110	0.00
57		2,4-Dinitrotoluene	0.350	0.401	-14.6	113	0.00
58		Fluorene	1.443	1.494	-3.5	110	0.00
59		2,3,4,6-Tetrachlorophenol	0.360	0.389	-8.1	111	0.00
60		Diethylphthalate	1.315	1.368	-4.0	109	0.00
61		4-Chlorophenyl-phenylether	0.754	0.798	-5.8	111	0.00
62		4-Nitroaniline	0.288	0.322	-11.8	108	0.00
63		Azobenzene	1.208	1.254	-3.8	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.095	0.105	-10.5	117	0.00
66	c	n-Nitrosodiphenylamine	0.626	0.660	-5.4	110	0.00
67		4-Bromophenyl-phenylether	0.220	0.236	-7.3	112	0.00
68		Hexachlorobenzene	0.260	0.276	-6.2	111	0.00
69		Atrazine	0.206	0.227	-10.2	111	0.00
70	C	Pentachlorophenol	0.162	0.174	-7.4	112	0.00
71		Phenanthrene	1.132	1.171	-3.4	110	0.00
72		Anthracene	1.127	1.192	-5.8	110	0.00
73		Carbazole	1.019	1.065	-4.5	109	0.00
74		Di-n-butylphthalate	1.116	1.206	-8.1	109	0.00
75	C	Fluoranthene	1.230	1.306	-6.2	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
77		Benzidine	0.510	0.677	-32.7#	125	0.00
78		Pyrene	1.281	1.353	-5.6	109	0.00
79	S	Terphenyl-d14	1.137	1.125	1.1	91	0.00
80		Butylbenzylphthalate	0.422	0.477	-13.0	110	0.00
81		Benzo(a)anthracene	1.303	1.372	-5.3	109	0.00
82		3,3'-Dichlorobenzidine	0.439	0.480	-9.3	114	0.00
83		Chrysene	1.229	1.288	-4.8	109	0.00
84		Bis(2-ethylhexyl)phthalate	0.670	0.746	-11.3	108	0.00
85	c	Di-n-octyl phthalate	1.050	1.149	-9.4	111	0.00
86	I	Perylene-d12	1.000	1.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	1.422	1.506	-5.9	108	0.00
88		Benzo(b)fluoranthene	1.230	1.309	-6.4	108	0.00
89		Benzo(k)fluoranthene	1.276	1.337	-4.8	108	0.00
90	C	Benzo(a)pyrene	1.152	1.236	-7.3	109	0.00
91		Dibenzo(a,h)anthracene	1.198	1.273	-6.3	109	0.00
92		Benzo(g,h,i)perylene	1.132	1.194	-5.5	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 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_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 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	104	0.00
2		1,4-Dioxane	40.000	37.994	5.0	102	0.00
3		Pyridine	40.000	41.118	-2.8	109	0.00
4		n-Nitrosodimethylamine	40.000	40.835	-2.1	108	0.00
5	S	2-Fluorophenol	80.000	79.859	0.2	104	0.00
6		Aniline	40.000	42.568	-6.4	110	0.00
7	S	Phenol-d6	80.000	80.660	-0.8	104	0.00
8		2-Chlorophenol	40.000	42.935	-7.3	112	0.00
9		Benzaldehyde	40.000	45.376	-13.4	114	0.00
10	C	Phenol	40.000	42.114	-5.3	111	0.00
11		bis(2-Chloroethyl)ether	40.000	42.240	-5.6	112	0.00
12		1,3-Dichlorobenzene	40.000	41.848	-4.6	112	0.00
13	C	1,4-Dichlorobenzene	40.000	41.609	-4.0	112	0.00
14		1,2-Dichlorobenzene	40.000	41.478	-3.7	111	0.00
15		Benzyl Alcohol	40.000	42.555	-6.4	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.095	-2.7	110	0.00
17		2-Methylphenol	40.000	42.726	-6.8	111	0.00
18		Hexachloroethane	40.000	41.906	-4.8	112	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	44.168	-10.4	111	0.00
20		3+4-Methylphenols	40.000	42.276	-5.7	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	42.290	-5.7	112	0.00
23	S	Nitrobenzene-d5	80.000	73.139	8.6	95	0.00
24		Nitrobenzene	40.000	41.860	-4.6	110	0.00
25		Isophorone	40.000	42.909	-7.3	111	0.00
26	C	2-Nitrophenol	40.000	46.488	-16.2	117	0.00
27		2,4-Dimethylphenol	40.000	42.470	-6.2	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.880	-4.7	110	0.00
29	C	2,4-Dichlorophenol	40.000	43.061	-7.7	112	0.00
30		1,2,4-Trichlorobenzene	40.000	42.001	-5.0	112	0.00
31		Naphthalene	40.000	41.281	-3.2	110	0.00
32		Benzoic acid	40.000	41.913	-4.8	121	0.00
33		4-Chloroaniline	40.000	42.424	-6.1	110	0.00
34	C	Hexachlorobutadiene	40.000	42.386	-6.0	113	0.00
35		Caprolactam	40.000	43.156	-7.9	110	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.312	-8.3	111	0.00
37		2-Methylnaphthalene	40.000	42.637	-6.6	112	0.00
38		1-Methylnaphthalene	40.000	42.292	-5.7	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.859	-7.1	114	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.015	-7.5	115	0.00
42	S	2,4,6-Tribromophenol	80.000	83.788	-4.7	107	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.485	-8.7	113	0.00
44		2,4,5-Trichlorophenol	40.000	43.542	-8.9	113	0.00
45	S	2-Fluorobiphenyl	80.000	70.689	11.6	94	0.00
46		1,1'-Biphenyl	40.000	41.557	-3.9	112	0.00
47		2-Chloronaphthalene	40.000	41.272	-3.2	111	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.497	-11.2	110	0.00
49		Acenaphthylene	40.000	41.972	-4.9	110	0.00
50		Dimethylphthalate	40.000	41.635	-4.1	111	0.00
51		2,6-Dinitrotoluene	40.000	44.405	-11.0	112	0.00
52	C	Acenaphthene	40.000	41.562	-3.9	111	0.00
53		3-Nitroaniline	40.000	44.871	-12.2	112	0.00
54	P	2,4-Dinitrophenol	40.000	39.797	0.5	118	0.00
55		Dibenzofuran	40.000	40.877	-2.2	109	0.00
56	P	4-Nitrophenol	40.000	42.822	-7.1	110	0.00
57		2,4-Dinitrotoluene	40.000	40.905	-2.3	113	0.00
58		Fluorene	40.000	41.425	-3.6	110	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.229	-8.1	111	0.00
60		Diethylphthalate	40.000	41.609	-4.0	109	0.00
61		4-Chlorophenyl-phenylether	40.000	42.288	-5.7	111	0.00
62		4-Nitroaniline	40.000	40.288	-0.7	108	0.00
63		Azobenzene	40.000	41.531	-3.8	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.334	-0.8	117	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.198	-5.5	110	0.00
67		4-Bromophenyl-phenylether	40.000	42.755	-6.9	112	0.00
68		Hexachlorobenzene	40.000	42.380	-6.0	111	0.00
69		Atrazine	40.000	44.212	-10.5	111	0.00
70	C	Pentachlorophenol	40.000	43.075	-7.7	112	0.00
71		Phenanthrene	40.000	41.373	-3.4	110	0.00
72		Anthracene	40.000	42.316	-5.8	110	0.00
73		Carbazole	40.000	41.806	-4.5	109	0.00
74		Di-n-butylphthalate	40.000	43.247	-8.1	109	0.00
75	C	Fluoranthene	40.000	42.474	-6.2	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	102	0.00
77		Benzidine	40.000	53.050	-32.6#	125	0.00
78		Pyrene	40.000	42.257	-5.6	109	0.00
79	S	Terphenyl-d14	80.000	79.145	1.1	91	0.00
80		Butylbenzylphthalate	40.000	45.139	-12.8	110	0.00
81		Benzo(a)anthracene	40.000	42.109	-5.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	43.733	-9.3	114	0.00
83		Chrysene	40.000	41.924	-4.8	109	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.481	-11.2	108	0.00
85	c	Di-n-octyl phthalate	40.000	43.760	-9.4	111	0.00
86	I	Perylene-d12	20.000	20.000	0.0	102	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.377	-5.9	108	0.00
88		Benzo(b)fluoranthene	40.000	42.558	-6.4	108	0.00
89		Benzo(k)fluoranthene	40.000	41.883	-4.7	108	0.00
90	C	Benzo(a)pyrene	40.000	42.933	-7.3	109	0.00
91		Dibenzo(a,h)anthracene	40.000	42.521	-6.3	109	0.00
92		Benzo(g,h,i)perylene	40.000	42.197	-5.5	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050385.D
Acq On : 08 Jul 2025 18:05
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM070925

Quant Time: Jul 09 01:17:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 18:32:25 2025
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TACO01		
Lab Code:	ACE	SDG No.:	Q2600		
Instrument ID:	BNA_F	Calibration Date/Time:	07/16/2025	19:39	
Lab File ID:	BF143117.D	Init. Calib. Date(s):	07/15/2025	07/15/2025	
EPA Sample No.:	SSTDCCC040	Init. Calib. Time(s):	13:04	16:35	

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.596	1.575		-1.3	
2-Fluorophenol	1.266	1.249		-1.3	
Phenol-d6	1.591	1.563		-1.8	
1,4-Dichlorobenzene	1.446	1.418		-1.9	20.0
2-Methylphenol	1.098	1.094		-0.4	
3+4-Methylphenols	1.346	1.368		1.6	
Nitrobenzene-d5	0.357	0.402		12.6	
Hexachloroethane	0.471	0.486		3.2	
Nitrobenzene	0.344	0.369		7.3	
Hexachlorobutadiene	0.178	0.178		0.0	20.0
2,4,6-Trichlorophenol	0.362	0.386		6.6	20.0
2-Fluorobiphenyl	1.505	1.421		-5.6	
2,4,5-Trichlorophenol	0.380	0.387		1.8	
2,4-Dinitrotoluene	0.265	0.307		15.8	
2,4,6-Tribromophenol	0.178	0.191		7.3	
Hexachlorobenzene	0.241	0.241		0.0	
Pentachlorophenol	0.132	0.144		9.1	20.0
Terphenyl-d14	1.368	1.302		-4.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	135149	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	510164	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	254065	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	397173	20.000	ng		0.00
76) Chrysene-d12	14.127	240	210714	20.000	ng		0.00
86) Perylene-d12	15.633	264	255524	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	675027	78.913	ng		0.00
7) Phenol-d6	6.587	99	845178	78.603	ng		0.00
23) Nitrobenzene-d5	7.528	82	820016	90.170	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	193992	85.634	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1444367	75.570	ng		0.00
79) Terphenyl-d14	13.075	244	1097674	76.150	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.811	88	169746	39.864	ng		98
3) Pyridine	3.581	79	425792	39.489	ng		98
4) n-Nitrosodimethylamine	3.522	42	217941	39.012	ng		99
6) Aniline	6.628	93	595971	39.360	ng		99
8) 2-Chlorophenol	6.751	128	355815	41.401	ng		98
9) Benzaldehyde	6.516	77	335257	40.919	ng		99
10) Phenol	6.598	94	490852	42.169	ng		100
11) bis(2-Chloroethyl)ether	6.698	93	350864	38.936	ng		99
12) 1,3-Dichlorobenzene	6.910	146	386579	39.815	ng		99
13) 1,4-Dichlorobenzene	6.987	146	383281	39.238	ng		99
14) 1,2-Dichlorobenzene	7.140	146	363768	39.051	ng		98
15) Benzyl Alcohol	7.098	79	319688	40.125	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	645668	38.870	ng		100
17) 2-Methylphenol	7.204	107	295753	39.876	ng		99
18) Hexachloroethane	7.487	117	131364	41.310	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	260963	39.615	ng		99
20) 3+4-Methylphenols	7.363	107	369651	40.641	ng		99
22) Acetophenone	7.369	105	476586	38.753	ng	#	93
24) Nitrobenzene	7.545	77	376400	42.874	ng		99
25) Isophorone	7.787	82	688462	39.167	ng		100
26) 2-Nitrophenol	7.863	139	148006	42.663	ng		100
27) 2,4-Dimethylphenol	7.893	122	326049	39.965	ng		99
28) bis(2-Chloroethoxy)met...	7.993	93	420098	39.412	ng		100
29) 2,4-Dichlorophenol	8.098	162	274747	41.164	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	297978	39.339	ng		98
31) Naphthalene	8.269	128	991571	39.140	ng		100
32) Benzoic acid	7.987	122	150277	38.466	ng		97
33) 4-Chloroaniline	8.310	127	401159	39.377	ng		100
34) Hexachlorobutadiene	8.393	225	181527	40.072	ng		99
35) Caprolactam	8.675	113	85847	41.190	ng		95
36) 4-Chloro-3-methylphenol	8.787	107	298817	40.192	ng		100
37) 2-Methylnaphthalene	8.963	142	589636	39.014	ng		100
38) 1-Methylnaphthalene	9.063	142	610968	38.976	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	287903	38.885	ng		99
41) Hexachlorocyclopentadiene	9.122	237	173333	42.225	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	195982	42.600	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

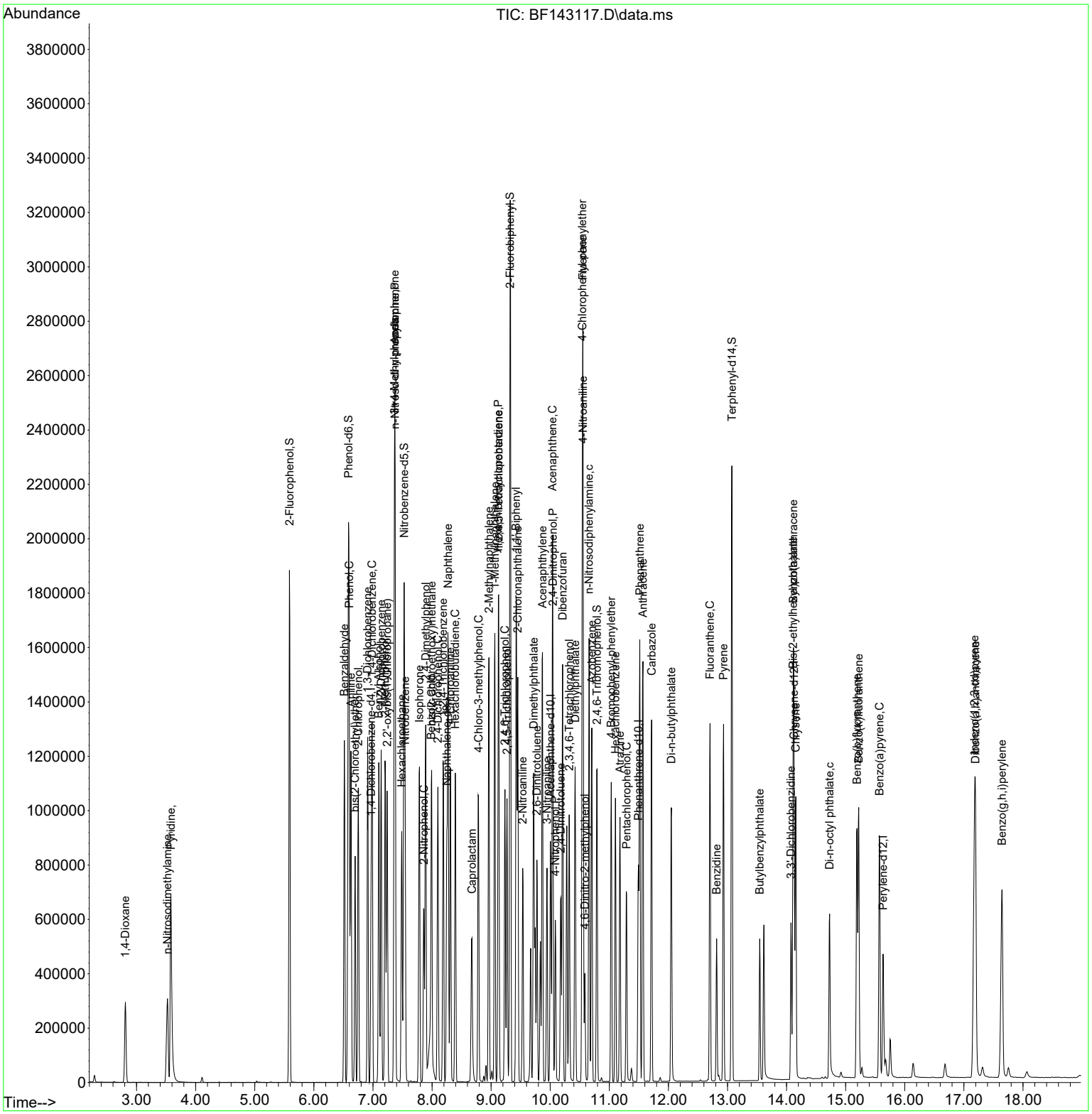
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	196557	40.747	ng		99
46) 1,1'-Biphenyl	9.422	154	779366	38.466	ng		100
47) 2-Chloronaphthalene	9.451	162	573731	38.546	ng		100
48) 2-Nitroaniline	9.534	65	178618	40.710	ng		99
49) Acenaphthylene	9.869	152	971647	39.176	ng		99
50) Dimethylphthalate	9.722	163	628010	39.291	ng		100
51) 2,6-Dinitrotoluene	9.775	165	130906	41.829	ng		95
52) Acenaphthene	10.039	154	566434	38.701	ng		99
53) 3-Nitroaniline	9.945	138	151765	43.942	ng		97
54) 2,4-Dinitrophenol	10.045	184	41904	42.980	ng	#	44
55) Dibenzofuran	10.210	168	838011	38.413	ng		100
56) 4-Nitrophenol	10.086	139	117068	42.650	ng		99
57) 2,4-Dinitrotoluene	10.181	165	155813	40.106	ng		96
58) Fluorene	10.551	166	619482	37.875	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	164509	42.914	ng		98
60) Diethylphthalate	10.422	149	615586	39.920	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	306293	39.072	ng		100
62) 4-Nitroaniline	10.557	138	129761	43.204	ng		99
63) Azobenzene	10.704	77	652575	38.265	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	62192	43.295	ng		97
66) n-Nitrosodiphenylamine	10.657	169	545898	39.129	ng		99
67) 4-Bromophenyl-phenylether	11.034	248	180440	39.949	ng		98
68) Hexachlorobenzene	11.104	284	191457	39.950	ng		97
69) Atrazine	11.181	200	145300	40.708	ng		99
70) Pentachlorophenol	11.292	266	114049	43.376	ng		99
71) Phenanthrene	11.516	178	831246	38.780	ng		100
72) Anthracene	11.569	178	844296	39.169	ng		99
73) Carbazole	11.716	167	742234	38.436	ng		100
74) Di-n-butylphthalate	12.051	149	743944	41.970	ng		100
75) Fluoranthene	12.704	202	752396	38.604	ng		99
77) Benzidine	12.816	184	274069	38.177	ng		99
78) Pyrene	12.933	202	747120	38.214	ng		100
80) Butylbenzylphthalate	13.545	149	153672	39.754	ng		95
81) Benzo(a)anthracene	14.116	228	570413	40.624	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	164768	40.409	ng		99
83) Chrysene	14.157	228	486986	37.657	ng		100
84) Bis(2-ethylhexyl)phtha...	14.110	149	241107	41.219	ng		100
85) Di-n-octyl phthalate	14.727	149	439529	40.440	ng		99
87) Indeno(1,2,3-cd)pyrene	17.180	276	781535	41.122	ng		100
88) Benzo(b)fluoranthene	15.192	252	580612	39.393	ng		99
89) Benzo(k)fluoranthene	15.221	252	558211	39.698	ng		99
90) Benzo(a)pyrene	15.574	252	570084	40.896	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	635338	40.895	ng		99
92) Benzo(g,h,i)perylene	17.645	276	642024	40.534	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2		1,4-Dioxane	0.630	0.628	0.3	110	0.00
3		Pyridine	1.596	1.575	1.3	108	0.00
4		n-Nitrosodimethylamine	0.827	0.806	2.5	108	0.00
5	S	2-Fluorophenol	1.266	1.249	1.3	109	0.00
6		Aniline	2.241	2.205	1.6	109	0.00
7	S	Phenol-d6	1.591	1.563	1.8	109	0.00
8		2-Chlorophenol	1.272	1.316	-3.5	113	0.00
9		Benzaldehyde	1.212	1.240	-2.3	94	0.00
10	C	Phenol	1.723	1.816	-5.4	116	0.00
11		bis(2-Chloroethyl)ether	1.334	1.298	2.7	109	0.00
12		1,3-Dichlorobenzene	1.437	1.430	0.5	111	0.00
13	C	1,4-Dichlorobenzene	1.446	1.418	1.9	110	0.00
14		1,2-Dichlorobenzene	1.379	1.346	2.4	108	0.00
15		Benzyl Alcohol	1.179	1.183	-0.3	111	0.00
16		2,2'-oxybis(1-Chloropropane	2.458	2.389	2.8	109	0.00
17		2-Methylphenol	1.098	1.094	0.4	111	0.00
18		Hexachloroethane	0.471	0.486	-3.2	113	0.00
19	P	n-Nitroso-di-n-propylamine	0.975	0.965	1.0	110	0.00
20		3+4-Methylphenols	1.346	1.368	-1.6	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22		Acetophenone	0.482	0.467	3.1	109	0.00
23	S	Nitrobenzene-d5	0.357	0.402	-12.6	118	0.00
24		Nitrobenzene	0.344	0.369	-7.3	113	0.00
25		Isophorone	0.689	0.675	2.0	109	0.00
26	C	2-Nitrophenol	0.114	0.145	-27.2#	132	0.00
27		2,4-Dimethylphenol	0.320	0.320	0.0	109	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.412	1.4	110	0.00
29	C	2,4-Dichlorophenol	0.262	0.269	-2.7	110	0.00
30		1,2,4-Trichlorobenzene	0.297	0.292	1.7	108	0.00
31		Naphthalene	0.993	0.972	2.1	110	0.00
32		Benzoic acid	0.139	0.147	-5.8	112	0.00
33		4-Chloroaniline	0.399	0.393	1.5	108	0.00
34	C	Hexachlorobutadiene	0.178	0.178	0.0	110	0.00
35		Caprolactam	0.082	0.084	-2.4	111	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.293	-0.7	110	0.00
37		2-Methylnaphthalene	0.592	0.578	2.4	109	0.00
38		1-Methylnaphthalene	0.615	0.599	2.6	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	0.583	0.567	2.7	109	0.00
41	P	Hexachlorocyclopentadiene	0.323	0.341	-5.6	118	0.00
42	S	2,4,6-Tribromophenol	0.178	0.191	-7.3	113	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.386	-6.6	114	0.00
44		2,4,5-Trichlorophenol	0.380	0.387	-1.8	110	0.00
45	S	2-Fluorobiphenyl	1.505	1.421	5.6	109	0.00
46		1,1'-Biphenyl	1.595	1.534	3.8	109	0.00
47		2-Chloronaphthalene	1.172	1.129	3.7	109	0.00

Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.303	0.352	-16.2	120	0.00
49		Acenaphthylene	1.952	1.912	2.0	109	0.00
50		Dimethylphthalate	1.258	1.236	1.7	110	0.00
51		2,6-Dinitrotoluene	0.219	0.258	-17.8	123	0.00
52	C	Acenaphthene	1.152	1.115	3.2	110	0.00
53		3-Nitroaniline	0.272	0.299	-9.9	116	0.00
54	P	2,4-Dinitrophenol	0.073	0.082	-12.3	134	0.00
55		Dibenzofuran	1.717	1.649	4.0	108	0.00
56	P	4-Nitrophenol	0.216	0.230	-6.5	115	0.00
57		2,4-Dinitrotoluene	0.265	0.307	-15.8	116	0.00
58		Fluorene	1.288	1.219	5.4	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.324	-7.3	116	0.00
60		Diethylphthalate	1.214	1.211	0.2	110	0.00
61		4-Chlorophenyl-phenylether	0.617	0.603	2.3	109	0.00
62		4-Nitroaniline	0.236	0.255	-8.1	114	0.00
63		Azobenzene	1.343	1.284	4.4	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.078	-16.4	131	0.00
66	c	n-Nitrosodiphenylamine	0.703	0.687	2.3	108	0.00
67		4-Bromophenyl-phenylether	0.227	0.227	0.0	110	0.00
68		Hexachlorobenzene	0.241	0.241	0.0	110	0.00
69		Atrazine	0.180	0.183	-1.7	109	0.00
70	C	Pentachlorophenol	0.132	0.144	-9.1	117	0.00
71		Phenanthrene	1.079	1.046	3.1	108	0.00
72		Anthracene	1.085	1.063	2.0	108	0.00
73		Carbazole	0.972	0.934	3.9	107	0.00
74		Di-n-butylphthalate	0.893	0.937	-4.9	109	0.00
75	C	Fluoranthene	0.981	0.947	3.5	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77		Benzidine	0.681	0.650	4.6	85	0.00
78		Pyrene	1.856	1.773	4.5	105	0.00
79	S	Terphenyl-d14	1.368	1.302	4.8	106	0.00
80		Butylbenzylphthalate	0.318	0.365	-14.8	116	0.00
81		Benzo(a)anthracene	1.333	1.354	-1.6	110	0.00
82		3,3'-Dichlorobenzidine	0.387	0.391	-1.0	111	0.00
83		Chrysene	1.227	1.156	5.8	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.480	0.572	-19.2	122	0.00
85	c	Di-n-octyl phthalate	0.927	1.043	-12.5	124	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	1.488	1.529	-2.8	113	0.00
88		Benzo(b)fluoranthene	1.154	1.136	1.6	118	0.00
89		Benzo(k)fluoranthene	1.101	1.092	0.8	107	0.00
90	C	Benzo(a)pyrene	1.091	1.116	-2.3	112	0.00
91		Dibenzo(a,h)anthracene	1.216	1.243	-2.2	113	0.00
92		Benzo(g,h,i)perylene	1.240	1.256	-1.3	113	0.00

Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 = 1

Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2		1,4-Dioxane	40.000	39.864	0.3	110	0.00
3		Pyridine	40.000	39.489	1.3	108	0.00
4		n-Nitrosodimethylamine	40.000	39.012	2.5	108	0.00
5	S	2-Fluorophenol	80.000	78.913	1.4	109	0.00
6		Aniline	40.000	39.360	1.6	109	0.00
7	S	Phenol-d6	80.000	78.603	1.7	109	0.00
8		2-Chlorophenol	40.000	41.401	-3.5	113	0.00
9		Benzaldehyde	40.000	40.919	-2.3	94	0.00
10	C	Phenol	40.000	42.169	-5.4	116	0.00
11		bis(2-Chloroethyl)ether	40.000	38.936	2.7	109	0.00
12		1,3-Dichlorobenzene	40.000	39.815	0.5	111	0.00
13	C	1,4-Dichlorobenzene	40.000	39.238	1.9	110	0.00
14		1,2-Dichlorobenzene	40.000	39.051	2.4	108	0.00
15		Benzyl Alcohol	40.000	40.125	-0.3	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.870	2.8	109	0.00
17		2-Methylphenol	40.000	39.876	0.3	111	0.00
18		Hexachloroethane	40.000	41.310	-3.3	113	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.615	1.0	110	0.00
20		3+4-Methylphenols	40.000	40.641	-1.6	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22		Acetophenone	40.000	38.753	3.1	109	0.00
23	S	Nitrobenzene-d5	80.000	90.170	-12.7	118	0.00
24		Nitrobenzene	40.000	42.874	-7.2	113	0.00
25		Isophorone	40.000	39.167	2.1	109	0.00
26	C	2-Nitrophenol	40.000	42.663	-6.7	132	0.00
27		2,4-Dimethylphenol	40.000	39.965	0.1	109	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.412	1.5	110	0.00
29	C	2,4-Dichlorophenol	40.000	41.164	-2.9	110	0.00
30		1,2,4-Trichlorobenzene	40.000	39.339	1.7	108	0.00
31		Naphthalene	40.000	39.140	2.1	110	0.00
32		Benzoic acid	40.000	38.466	3.8	112	0.00
33		4-Chloroaniline	40.000	39.377	1.6	108	0.00
34	C	Hexachlorobutadiene	40.000	40.072	-0.2	110	0.00
35		Caprolactam	40.000	41.190	-3.0	111	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.192	-0.5	110	0.00
37		2-Methylnaphthalene	40.000	39.014	2.5	109	0.00
38		1-Methylnaphthalene	40.000	38.976	2.6	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.885	2.8	109	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.225	-5.6	118	0.00
42	S	2,4,6-Tribromophenol	80.000	85.634	-7.0	113	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.600	-6.5	114	0.00
44		2,4,5-Trichlorophenol	40.000	40.747	-1.9	110	0.00
45	S	2-Fluorobiphenyl	80.000	75.570	5.5	109	0.00
46		1,1'-Biphenyl	40.000	38.466	3.8	109	0.00
47		2-Chloronaphthalene	40.000	38.546	3.6	109	0.00

Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	40.710	-1.8	120	0.00
49		Acenaphthylene	40.000	39.176	2.1	109	0.00
50		Dimethylphthalate	40.000	39.291	1.8	110	0.00
51		2,6-Dinitrotoluene	40.000	41.829	-4.6	123	0.00
52	C	Acenaphthene	40.000	38.701	3.2	110	0.00
53		3-Nitroaniline	40.000	43.942	-9.9	116	0.00
54	P	2,4-Dinitrophenol	40.000	42.980	-7.4	134	0.00
55		Dibenzofuran	40.000	38.413	4.0	108	0.00
56	P	4-Nitrophenol	40.000	42.650	-6.6	115	0.00
57		2,4-Dinitrotoluene	40.000	40.106	-0.3	116	0.00
58		Fluorene	40.000	37.875	5.3	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.914	-7.3	116	0.00
60		Diethylphthalate	40.000	39.920	0.2	110	0.00
61		4-Chlorophenyl-phenylether	40.000	39.072	2.3	109	0.00
62		4-Nitroaniline	40.000	43.204	-8.0	114	0.00
63		Azobenzene	40.000	38.265	4.3	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.295	-8.2	131	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.129	2.2	108	0.00
67		4-Bromophenyl-phenylether	40.000	39.949	0.1	110	0.00
68		Hexachlorobenzene	40.000	39.950	0.1	110	0.00
69		Atrazine	40.000	40.708	-1.8	109	0.00
70	C	Pentachlorophenol	40.000	43.376	-8.4	117	0.00
71		Phenanthrene	40.000	38.780	3.0	108	0.00
72		Anthracene	40.000	39.169	2.1	108	0.00
73		Carbazole	40.000	38.436	3.9	107	0.00
74		Di-n-butylphthalate	40.000	41.970	-4.9	109	0.00
75	C	Fluoranthene	40.000	38.604	3.5	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77		Benzidine	40.000	38.177	4.6	85	0.00
78		Pyrene	40.000	38.214	4.5	105	0.00
79	S	Terphenyl-d14	80.000	76.150	4.8	106	0.00
80		Butylbenzylphthalate	40.000	39.754	0.6	116	0.00
81		Benzo(a)anthracene	40.000	40.624	-1.6	110	0.00
82		3,3'-Dichlorobenzidine	40.000	40.409	-1.0	111	0.00
83		Chrysene	40.000	37.657	5.9	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.219	-3.0	122	0.00
85	c	Di-n-octyl phthalate	40.000	40.440	-1.1	124	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.122	-2.8	113	0.00
88		Benzo(b)fluoranthene	40.000	39.393	1.5	118	0.00
89		Benzo(k)fluoranthene	40.000	39.698	0.8	107	0.00
90	C	Benzo(a)pyrene	40.000	40.896	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	40.000	40.895	-2.2	113	0.00
92		Benzo(g,h,i)perylene	40.000	40.534	-1.3	113	0.00

Sample Results: **BF143117.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

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

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

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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TACO01

Lab Code: ACE SDG No.: Q2600

Instrument ID: BNA_M Calibration Date/Time: 07/17/2025 13:42

Lab File ID: BM050474.D Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:39 17:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.254	1.241		-1.0	
2-Fluorophenol	1.162	1.165		0.3	
Phenol-d6	1.465	1.479		1.0	
1,4-Dichlorobenzene	1.521	1.487		-2.2	20.0
2-Methylphenol	0.991	0.990		-0.1	
3+4-Methylphenols	1.330	1.341		0.8	
Nitrobenzene-d5	0.392	0.393		0.3	
Hexachloroethane	0.535	0.522		-2.4	
Nitrobenzene	0.350	0.343		-2.0	
Hexachlorobutadiene	0.228	0.231		1.3	20.0
2,4,6-Trichlorophenol	0.391	0.429		9.7	20.0
2-Fluorobiphenyl	1.620	1.584		-2.2	
2,4,5-Trichlorophenol	0.428	0.466		8.9	
2,4-Dinitrotoluene	0.350	0.407		16.3	
2,4,6-Tribromophenol	0.243	0.284		16.9	
Hexachlorobenzene	0.260	0.264		1.5	
Pentachlorophenol	0.162	0.180		11.1	20.0
Terphenyl-d14	1.137	1.120		-1.5	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.851	152	523700	20.000	ng		0.00
21) Naphthalene-d8	10.639	136	1980057	20.000	ng		0.00
39) Acenaphthene-d10	14.474	164	1283321	20.000	ng		0.00
64) Phenanthrene-d10	17.209	188	2540655	20.000	ng		0.00
76) Chrysene-d12	21.433	240	2672211	20.000	ng		0.00
86) Perylene-d12	24.456	264	2895075	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	2440748	80.224	ng		0.00
7) Phenol-d6	7.010	99	3097334	80.758	ng		0.00
23) Nitrobenzene-d5	9.004	82	3112224	80.189	ng		0.00
42) 2,4,6-Tribromophenol	15.957	330	1456045	93.381	ng		0.00
45) 2-Fluorobiphenyl	13.104	172	8128934	78.224	ng		0.00
79) Terphenyl-d14	19.821	244	11967171	78.795	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.328	88	488601	39.055	ng		98
3) Pyridine	3.728	79	1300313	39.590	ng		96
4) n-Nitrosodimethylamine	3.634	42	561971	36.701	ng		91
6) Aniline	7.175	93	1983878	40.306	ng		98
8) 2-Chlorophenol	7.416	128	1317020	41.053	ng		98
9) Benzaldehyde	6.987	77	1171413	51.344	ng		97
10) Phenol	7.039	94	1589959	39.746	ng		98
11) bis(2-Chloroethyl)ether	7.269	93	1245931	38.892	ng		99
12) 1,3-Dichlorobenzene	7.739	146	1538457	39.439	ng		97
13) 1,4-Dichlorobenzene	7.886	146	1557390	39.099	ng		99
14) 1,2-Dichlorobenzene	8.198	146	1486144	38.971	ng		99
15) Benzyl Alcohol	8.086	79	1085979	40.187	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1758506	37.266	ng		99
17) 2-Methylphenol	8.286	107	1037160	39.975	ng		99
18) Hexachloroethane	8.933	117	547143	39.058	ng		93
19) n-Nitroso-di-n-propyla...	8.651	70	946520	40.738	ng		95
20) 3+4-Methylphenols	8.610	107	1404236	40.317	ng		96
22) Acetophenone	8.669	105	1899608	38.371	ng	#	96
24) Nitrobenzene	9.045	77	1359808	39.263	ng		97
25) Isophorone	9.575	82	2553883	40.552	ng		99
26) 2-Nitrophenol	9.751	139	687069	48.676	ng		98
27) 2,4-Dimethylphenol	9.816	122	1213714	40.409	ng		97
28) bis(2-Chloroethoxy)met...	10.051	93	1630857	39.081	ng		98
29) 2,4-Dichlorophenol	10.286	162	1295771	41.992	ng		98
30) 1,2,4-Trichlorobenzene	10.504	180	1491395	40.402	ng		99
31) Naphthalene	10.692	128	3903650	38.814	ng		100
32) Benzoic acid	9.933	122	837102	45.728	ng		98
33) 4-Chloroaniline	10.792	127	1719857	40.450	ng		99
34) Hexachlorobutadiene	10.986	225	916621	40.685	ng		99
35) Caprolactam	11.574	113	373128	44.295	ng		92
36) 4-Chloro-3-methylphenol	11.916	107	1197560	41.560	ng		99
37) 2-Methylnaphthalene	12.304	142	2558937	40.297	ng		97
38) 1-Methylnaphthalene	12.521	142	2704024	40.236	ng		100
40) 1,2,4,5-Tetrachloroben...	12.669	216	1663387	40.759	ng		99
41) Hexachlorocyclopentadiene	12.657	237	1118542	42.878	ng		99
43) 2,4,6-Trichlorophenol	12.910	196	1100183	43.796	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.974	196	1195616	43.580	ng		98
46) 1,1'-Biphenyl	13.310	154	3710435	38.969	ng		100
47) 2-Chloronaphthalene	13.351	162	2952862	38.897	ng		99
48) 2-Nitroaniline	13.545	65	749098	44.208	ng		96
49) Acenaphthylene	14.198	152	4570033	39.833	ng		99
50) Dimethylphthalate	13.933	163	3557955	40.270	ng		100
51) 2,6-Dinitrotoluene	14.045	165	752656	44.367	ng		93
52) Acenaphthene	14.539	154	2753717m	37.753	ng		
53) 3-Nitroaniline	14.368	138	800610	44.377	ng		100
54) 2,4-Dinitrophenol	14.574	184	423149	47.990	ng	#	81
55) Dibenzofuran	14.874	168	4385210	39.019	ng		99
56) 4-Nitrophenol	14.674	139	682725	44.005	ng		90
57) 2,4-Dinitrotoluene	14.827	165	1044862	41.533	ng		93
58) Fluorene	15.521	166	3648772	39.416	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.098	232	1025002	44.383	ng		95
60) Diethylphthalate	15.292	149	3392307	40.194	ng		100
61) 4-Chlorophenyl-phenyle...	15.515	204	1915512	39.573	ng		98
62) 4-Nitroaniline	15.527	138	822296	40.096	ng		98
63) Azobenzene	15.804	77	2969500	38.317	ng		98
65) 4,6-Dinitro-2-methylph...	15.586	198	615347	45.431	ng		92
66) n-Nitrosodiphenylamine	15.721	169	3099051	38.981	ng		100
67) 4-Bromophenyl-phenylether	16.404	248	1149552	41.067	ng		98
68) Hexachlorobenzene	16.521	284	1343279	40.631	ng		95
69) Atrazine	16.674	200	1110720	42.547	ng		98
70) Pentachlorophenol	16.856	266	914812	44.450	ng		99
71) Phenanthrene	17.251	178	5539099	38.529	ng		99
72) Anthracene	17.339	178	5640684	39.417	ng		100
73) Carbazole	17.603	167	5129252	39.613	ng		99
74) Di-n-butylphthalate	18.174	149	5854924	41.312	ng		100
75) Fluoranthene	19.256	202	6437692	41.191	ng		99
77) Benzidine	19.439	184	3790549	55.614	ng		99
78) Pyrene	19.615	202	6803242	39.752	ng		100
80) Butylbenzylphthalate	20.515	149	2668401	47.286	ng		97
81) Benzo(a)anthracene	21.415	228	7013399	40.281	ng		99
82) 3,3'-Dichlorobenzidine	21.333	252	2698245	45.953	ng		100
83) Chrysene	21.480	228	6546903	39.865	ng		100
84) Bis(2-ethylhexyl)phtha...	21.339	149	4036567	45.060	ng		97
85) Di-n-octyl phthalate	22.486	149	6851874	48.835	ng		97
87) Indeno(1,2,3-cd)pyrene	27.879	276	8469643	41.147	ng		99
88) Benzo(b)fluoranthene	23.503	252	6956656	39.066	ng		100
89) Benzo(k)fluoranthene	23.568	252	6961471	37.675	ng		100
90) Benzo(a)pyrene	24.315	252	6693276	40.152	ng		99
91) Dibenzo(a,h)anthracene	27.944	278	7041108	40.618	ng		99
92) Benzo(g,h,i)perylene	28.944	276	6723327	41.037	ng		99

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

Sample Results: **BM050474.D**

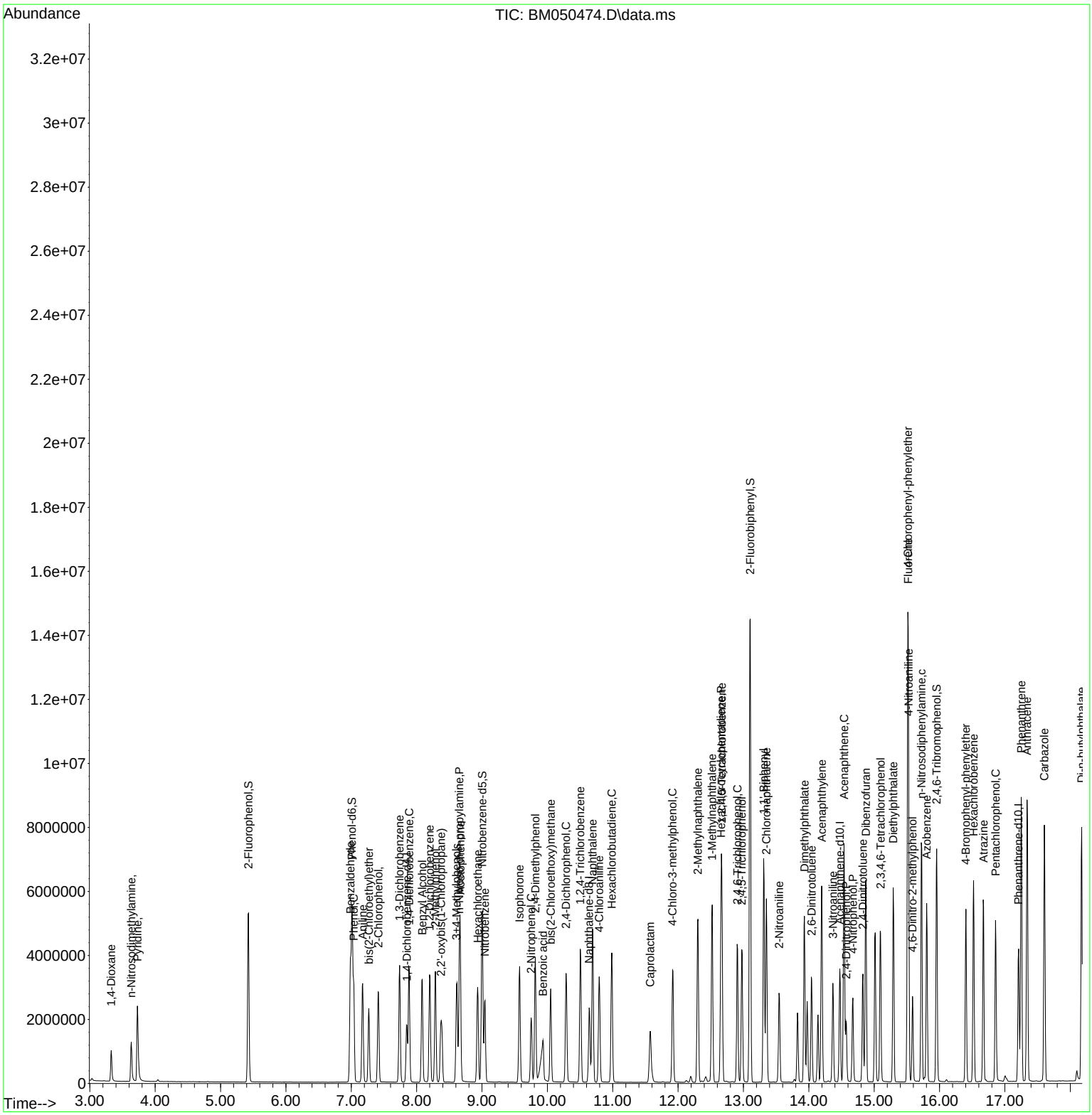
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



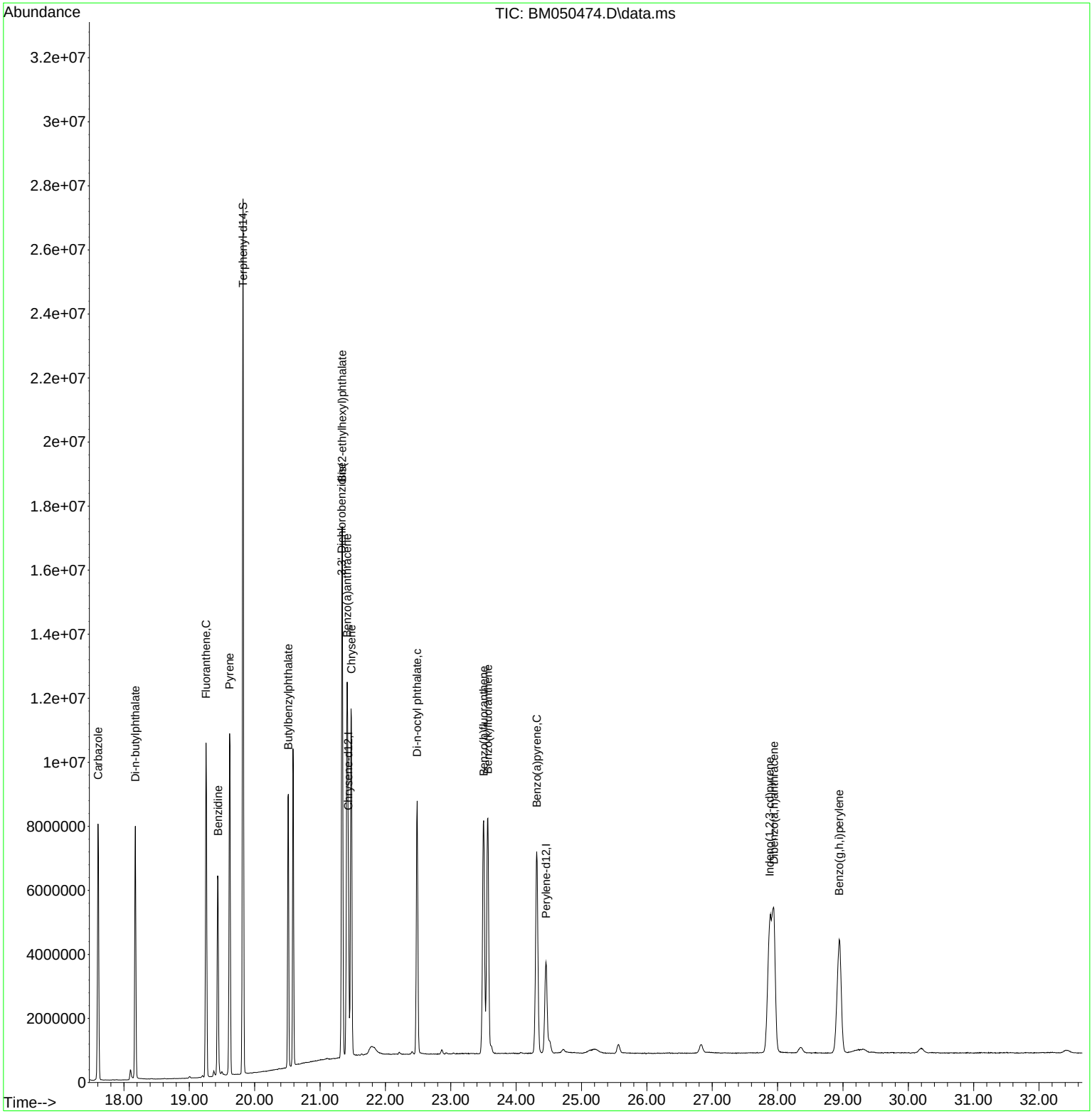
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 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	134	0.00
2		1,4-Dioxane	0.478	0.466	2.5	136	0.00
3		Pyridine	1.254	1.241	1.0	136	0.00
4		n-Nitrosodimethylamine	0.585	0.537	8.2	126	0.00
5	S	2-Fluorophenol	1.162	1.165	-0.3	136	0.00
6		Aniline	1.880	1.894	-0.7	135	0.00
7	S	Phenol-d6	1.465	1.479	-1.0	135	0.00
8		2-Chlorophenol	1.225	1.257	-2.6	139	0.00
9		Benzaldehyde	0.871	1.118	-28.4#	167#	0.00
10	C	Phenol	1.528	1.518	0.7	135	0.00
11		bis(2-Chloroethyl)ether	1.223	1.190	2.7	134	0.00
12		1,3-Dichlorobenzene	1.490	1.469	1.4	136	0.00
13	C	1,4-Dichlorobenzene	1.521	1.487	2.2	136	0.00
14		1,2-Dichlorobenzene	1.456	1.419	2.5	135	0.00
15		Benzyl Alcohol	1.032	1.037	-0.5	136	0.00
16		2,2'-oxybis(1-Chloropropane	1.802	1.679	6.8	129	0.00
17		2-Methylphenol	0.991	0.990	0.1	134	0.00
18		Hexachloroethane	0.535	0.522	2.4	135	0.00
19	P	n-Nitroso-di-n-propylamine	0.887	0.904	-1.9	133	0.00
20		3+4-Methylphenols	1.330	1.341	-0.8	136	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	132	0.00
22		Acetophenone	0.500	0.480	4.0	129	0.00
23	S	Nitrobenzene-d5	0.392	0.393	-0.3	132	0.00
24		Nitrobenzene	0.350	0.343	2.0	131	0.00
25		Isophorone	0.636	0.645	-1.4	133	0.00
26	C	2-Nitrophenol	0.143	0.173	-21.0#	156#	0.00
27		2,4-Dimethylphenol	0.303	0.306	-1.0	136	0.00
28		bis(2-Chloroethoxy)methane	0.422	0.412	2.4	130	0.00
29	C	2,4-Dichlorophenol	0.312	0.327	-4.8	139	0.00
30		1,2,4-Trichlorobenzene	0.373	0.377	-1.1	137	0.00
31		Naphthalene	1.016	0.986	3.0	132	0.00
32		Benzoic acid	0.165	0.211	-27.9#	170#	0.00
33		4-Chloroaniline	0.429	0.434	-1.2	134	0.00
34	C	Hexachlorobutadiene	0.228	0.231	-1.3	138	0.00
35		Caprolactam	0.085	0.094	-10.6	144	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.302	-3.8	135	0.00
37		2-Methylnaphthalene	0.641	0.646	-0.8	135	0.00
38		1-Methylnaphthalene	0.679	0.683	-0.6	134	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	133	0.00
40		1,2,4,5-Tetrachlorobenzene	0.636	0.648	-1.9	138	0.00
41	P	Hexachlorocyclopentadiene	0.407	0.436	-7.1	146	0.00
42	S	2,4,6-Tribromophenol	0.243	0.284	-16.9	151#	0.00
43	C	2,4,6-Trichlorophenol	0.391	0.429	-9.7	144	0.00
44		2,4,5-Trichlorophenol	0.428	0.466	-8.9	144	0.00
45	S	2-Fluorobiphenyl	1.620	1.584	2.2	132	0.00
46		1,1'-Biphenyl	1.484	1.446	2.6	133	0.00
47		2-Chloronaphthalene	1.183	1.150	2.8	133	0.00

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 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	0.264	0.292	-10.6	139	0.00
49		Acenaphthylene	1.788	1.781	0.4	133	0.00
50		Dimethylphthalate	1.377	1.386	-0.7	136	0.00
51		2,6-Dinitrotoluene	0.264	0.293	-11.0	142	0.00
52	C	Acenaphthene	1.137	1.073	5.6	128	0.00
53		3-Nitroaniline	0.281	0.312	-11.0	141	0.00
54	P	2,4-Dinitrophenol	0.121	0.165	-36.4#	187#	0.00
55		Dibenzofuran	1.751	1.709	2.4	133	0.00
56	P	4-Nitrophenol	0.242	0.266	-9.9	144	0.00
57		2,4-Dinitrotoluene	0.350	0.407	-16.3	146	0.00
58		Fluorene	1.443	1.422	1.5	133	0.00
59		2,3,4,6-Tetrachlorophenol	0.360	0.399	-10.8	145	0.00
60		Diethylphthalate	1.315	1.322	-0.5	134	0.00
61		4-Chlorophenyl-phenylether	0.754	0.746	1.1	133	0.00
62		4-Nitroaniline	0.288	0.320	-11.1	137	0.00
63		Azobenzene	1.208	1.157	4.2	127	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	139	0.00
65		4,6-Dinitro-2-methylphenol	0.095	0.121	-27.4#	179#	0.00
66	c	n-Nitrosodiphenylamine	0.626	0.610	2.6	136	0.00
67		4-Bromophenyl-phenylether	0.220	0.226	-2.7	144	0.00
68		Hexachlorobenzene	0.260	0.264	-1.5	143	0.00
69		Atrazine	0.206	0.219	-6.3	143	0.00
70	C	Pentachlorophenol	0.162	0.180	-11.1	155#	0.00
71		Phenanthrene	1.132	1.090	3.7	137	0.00
72		Anthracene	1.127	1.110	1.5	138	0.00
73		Carbazole	1.019	1.009	1.0	138	0.00
74		Di-n-butylphthalate	1.116	1.152	-3.2	140	0.00
75	C	Fluoranthene	1.230	1.267	-3.0	142	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	140	0.00
77		Benzidine	0.510	0.709	-39.0#	180#	0.00
78		Pyrene	1.281	1.273	0.6	142	0.00
79	S	Terphenyl-d14	1.137	1.120	1.5	125	0.00
80		Butylbenzylphthalate	0.422	0.499	-18.2	159#	0.00
81		Benzo(a)anthracene	1.303	1.312	-0.7	144	0.00
82		3,3'-Dichlorobenzidine	0.439	0.505	-15.0	165#	0.00
83		Chrysene	1.229	1.225	0.3	142	0.00
84		Bis(2-ethylhexyl)phthalate	0.670	0.755	-12.7	150#	0.00
85	c	Di-n-octyl phthalate	1.050	1.282	-22.1#	170#	0.00
86	I	Perylene-d12	1.000	1.000	0.0	157#	0.00
87		Indeno(1,2,3-cd)pyrene	1.422	1.463	-2.9	162#	0.00
88		Benzo(b)fluoranthene	1.230	1.201	2.4	154#	0.00
89		Benzo(k)fluoranthene	1.276	1.202	5.8	150	0.00
90	C	Benzo(a)pyrene	1.152	1.156	-0.3	157#	0.00
91		Dibenzo(a,h)anthracene	1.198	1.216	-1.5	160#	0.00
92		Benzo(g,h,i)perylene	1.132	1.161	-2.6	163#	0.00

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Evaluate Continuing Calibration Report

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 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	134	0.00
2		1,4-Dioxane	40.000	39.055	2.4	136	0.00
3		Pyridine	40.000	39.590	1.0	136	0.00
4		n-Nitrosodimethylamine	40.000	36.701	8.2	126	0.00
5	S	2-Fluorophenol	80.000	80.224	-0.3	136	0.00
6		Aniline	40.000	40.306	-0.8	135	0.00
7	S	Phenol-d6	80.000	80.758	-0.9	135	0.00
8		2-Chlorophenol	40.000	41.053	-2.6	139	0.00
9		Benzaldehyde	40.000	51.344	-28.4#	167	0.00
10	C	Phenol	40.000	39.746	0.6	135	0.00
11		bis(2-Chloroethyl)ether	40.000	38.892	2.8	134	0.00
12		1,3-Dichlorobenzene	40.000	39.439	1.4	136	0.00
13	C	1,4-Dichlorobenzene	40.000	39.099	2.3	136	0.00
14		1,2-Dichlorobenzene	40.000	38.971	2.6	135	0.00
15		Benzyl Alcohol	40.000	40.187	-0.5	136	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.266	6.8	129	0.00
17		2-Methylphenol	40.000	39.975	0.1	134	0.00
18		Hexachloroethane	40.000	39.058	2.4	135	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.738	-1.8	133	0.00
20		3+4-Methylphenols	40.000	40.317	-0.8	136	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	132	0.00
22		Acetophenone	40.000	38.371	4.1	129	0.00
23	S	Nitrobenzene-d5	80.000	80.189	-0.2	132	0.00
24		Nitrobenzene	40.000	39.263	1.8	131	0.00
25		Isophorone	40.000	40.552	-1.4	133	0.00
26	C	2-Nitrophenol	40.000	48.676	-21.7#	156	0.00
27		2,4-Dimethylphenol	40.000	40.409	-1.0	136	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.081	2.3	130	0.00
29	C	2,4-Dichlorophenol	40.000	41.992	-5.0	139	0.00
30		1,2,4-Trichlorobenzene	40.000	40.402	-1.0	137	0.00
31		Naphthalene	40.000	38.814	3.0	132	0.00
32		Benzoic acid	40.000	45.728	-14.3	170	0.00
33		4-Chloroaniline	40.000	40.450	-1.1	134	0.00
34	C	Hexachlorobutadiene	40.000	40.685	-1.7	138	0.00
35		Caprolactam	40.000	44.295	-10.7	144	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.560	-3.9	135	0.00
37		2-Methylnaphthalene	40.000	40.297	-0.7	135	0.00
38		1-Methylnaphthalene	40.000	40.236	-0.6	134	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	133	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.759	-1.9	138	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.878	-7.2	146	0.00
42	S	2,4,6-Tribromophenol	80.000	93.381	-16.7	151	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.796	-9.5	144	0.00
44		2,4,5-Trichlorophenol	40.000	43.580	-8.9	144	0.00
45	S	2-Fluorobiphenyl	80.000	78.224	2.2	132	0.00
46		1,1'-Biphenyl	40.000	38.969	2.6	133	0.00
47		2-Chloronaphthalene	40.000	38.897	2.8	133	0.00

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.208	-10.5	139	0.00
49		Acenaphthylene	40.000	39.833	0.4	133	0.00
50		Dimethylphthalate	40.000	40.270	-0.7	136	0.00
51		2,6-Dinitrotoluene	40.000	44.367	-10.9	142	0.00
52	C	Acenaphthene	40.000	37.753	5.6	128	0.00
53		3-Nitroaniline	40.000	44.377	-10.9	141	0.00
54	P	2,4-Dinitrophenol	40.000	47.990	-20.0	187	0.00
55		Dibenzofuran	40.000	39.019	2.5	133	0.00
56	P	4-Nitrophenol	40.000	44.005	-10.0	144	0.00
57		2,4-Dinitrotoluene	40.000	41.533	-3.8	146	0.00
58		Fluorene	40.000	39.416	1.5	133	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.383	-11.0	145	0.00
60		Diethylphthalate	40.000	40.194	-0.5	134	0.00
61		4-Chlorophenyl-phenylether	40.000	39.573	1.1	133	0.00
62		4-Nitroaniline	40.000	40.096	-0.2	137	0.00
63		Azobenzene	40.000	38.317	4.2	127	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	139	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.431	-13.6	179	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.981	2.5	136	0.00
67		4-Bromophenyl-phenylether	40.000	41.067	-2.7	144	0.00
68		Hexachlorobenzene	40.000	40.631	-1.6	143	0.00
69		Atrazine	40.000	42.547	-6.4	143	0.00
70	C	Pentachlorophenol	40.000	44.450	-11.1	155	0.00
71		Phenanthrene	40.000	38.529	3.7	137	0.00
72		Anthracene	40.000	39.417	1.5	138	0.00
73		Carbazole	40.000	39.613	1.0	138	0.00
74		Di-n-butylphthalate	40.000	41.312	-3.3	140	0.00
75	C	Fluoranthene	40.000	41.191	-3.0	142	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	140	0.00
77		Benzidine	40.000	55.614	-39.0#	180	0.00
78		Pyrene	40.000	39.752	0.6	142	0.00
79	S	Terphenyl-d14	80.000	78.795	1.5	125	0.00
80		Butylbenzylphthalate	40.000	47.286	-18.2	159	0.00
81		Benzo(a)anthracene	40.000	40.281	-0.7	144	0.00
82		3,3'-Dichlorobenzidine	40.000	45.953	-14.9	165	0.00
83		Chrysene	40.000	39.865	0.3	142	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.060	-12.7	150	0.00
85	c	Di-n-octyl phthalate	40.000	48.835	-22.1#	170	0.00
86	I	Perylene-d12	20.000	20.000	0.0	157	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.147	-2.9	162	0.00
88		Benzo(b)fluoranthene	40.000	39.066	2.3	154	0.00
89		Benzo(k)fluoranthene	40.000	37.675	5.8	150	0.00
90	C	Benzo(a)pyrene	40.000	40.152	-0.4	157	0.00
91		Dibenzo(a,h)anthracene	40.000	40.618	-1.5	160	0.00
92		Benzo(g,h,i)perylene	40.000	41.037	-2.6	163	0.00

Sample Results: **BM050474.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050474.D
Acq On : 17 Jul 2025 13:42
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 16:20:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

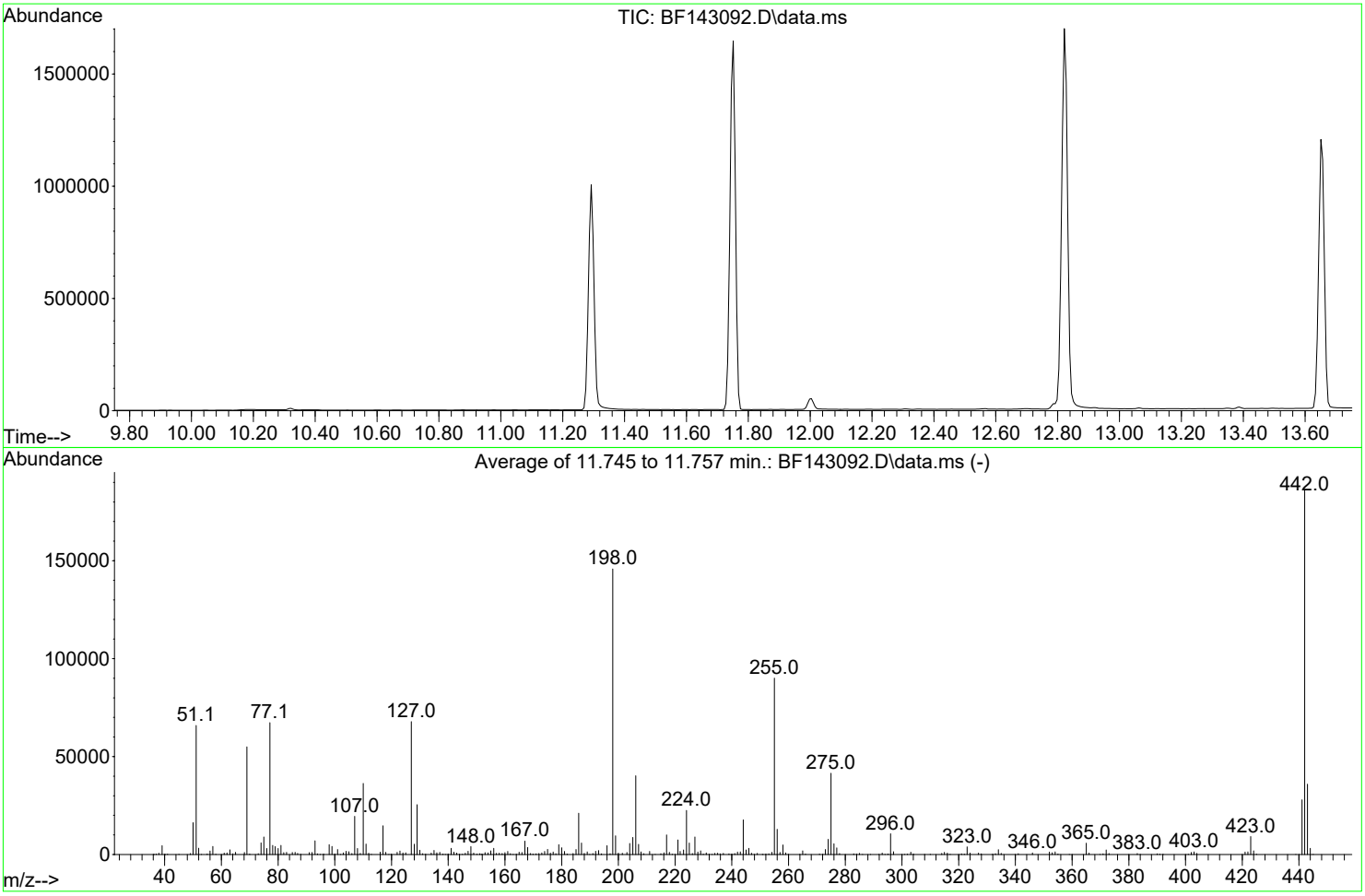
Sample Results: **BF143092.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	1083	PASS
69	69	100	100	100.0	55011	PASS
70	69	0.00	2	0.5	283	PASS
197	198	0.00	2	0.3	479	PASS
198	198	100	100	100.0	145821	PASS
199	198	5	9	6.5	9539	PASS
365	198	1	100	4.0	5805	PASS
441	443	0.01	150	77.7	27936	PASS
442	442	100	100	100.0	185813	PASS
443	442	15	24	19.4	35957	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/15/2025	BNA_F	BF143092.D
Compound Name	**Response**	**Retention Time**
DDT	237029	13.651
DDD	2265	13.386
DDE	0	13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2265	239294	0.95

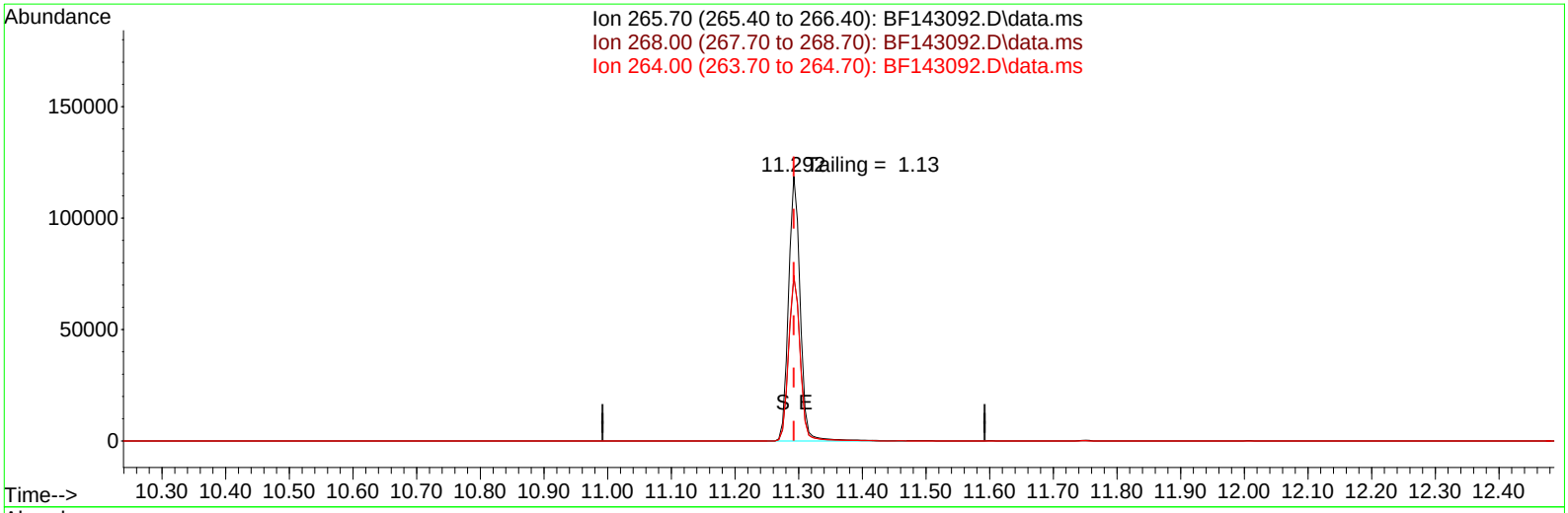
Instrument :
BNA_F
ClientSampleId :
DFTPP

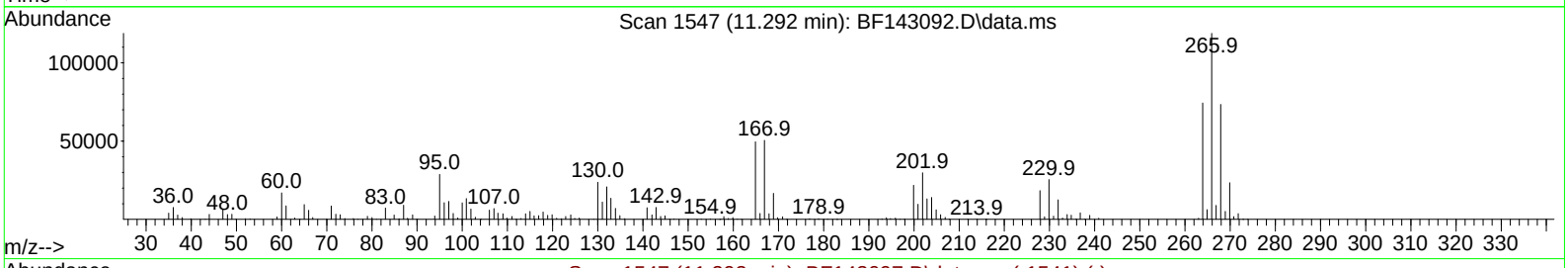
Sample Results: **BF143092.D**

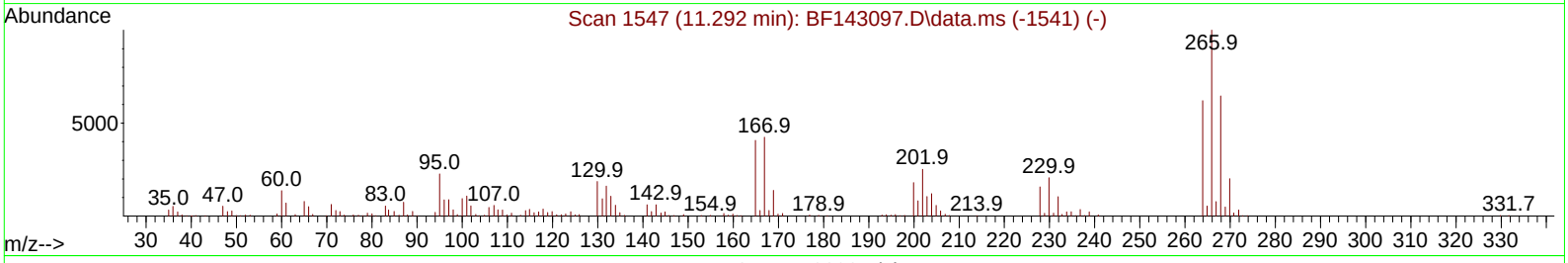
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143092.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.000) 28198.82 ng

response 151956

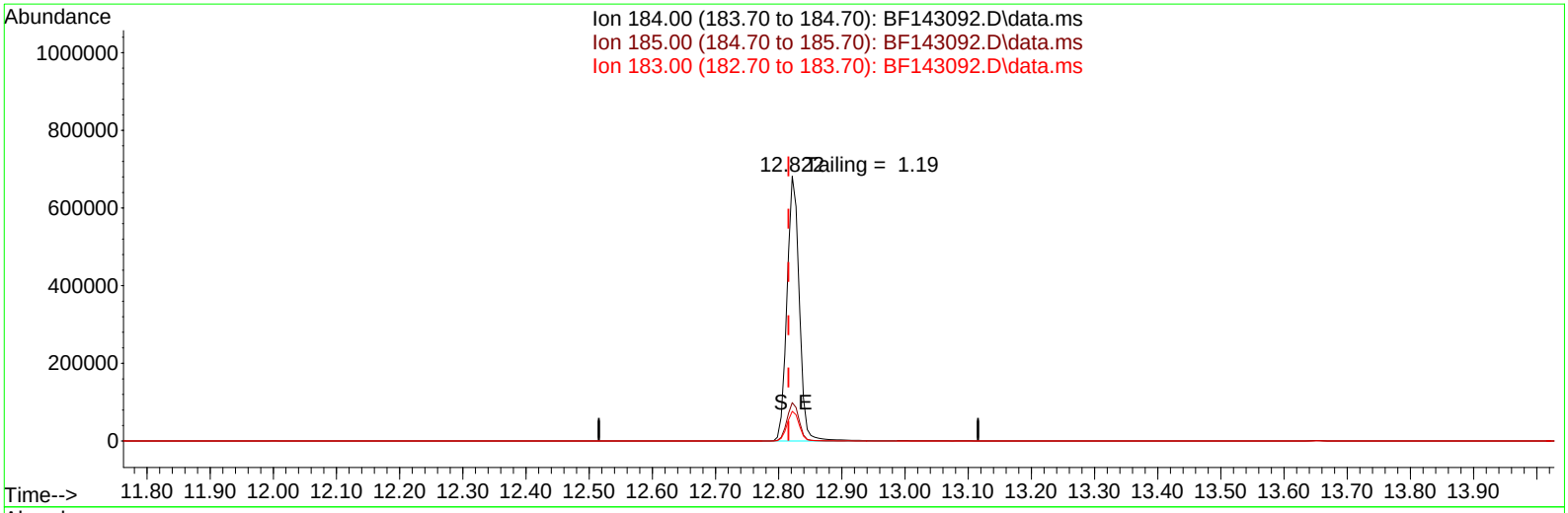
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	61.86
264.00	62.10	62.56
0.00	0.00	0.00

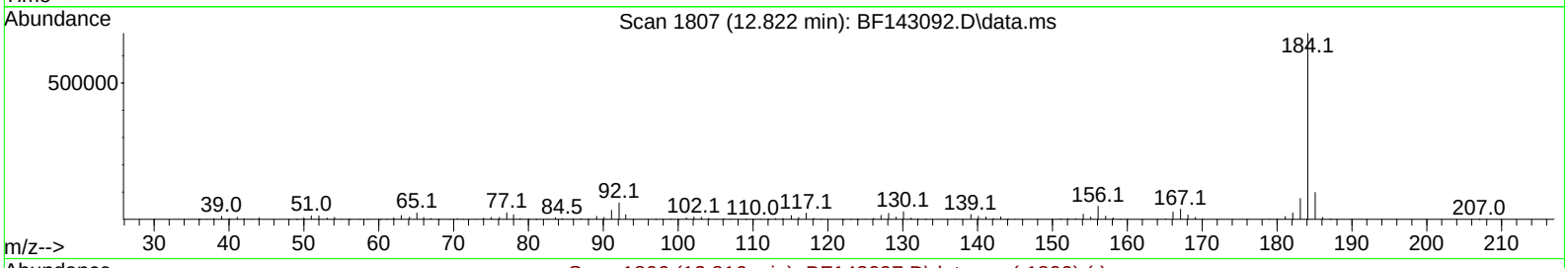
Sample Results: **BF143092.D**

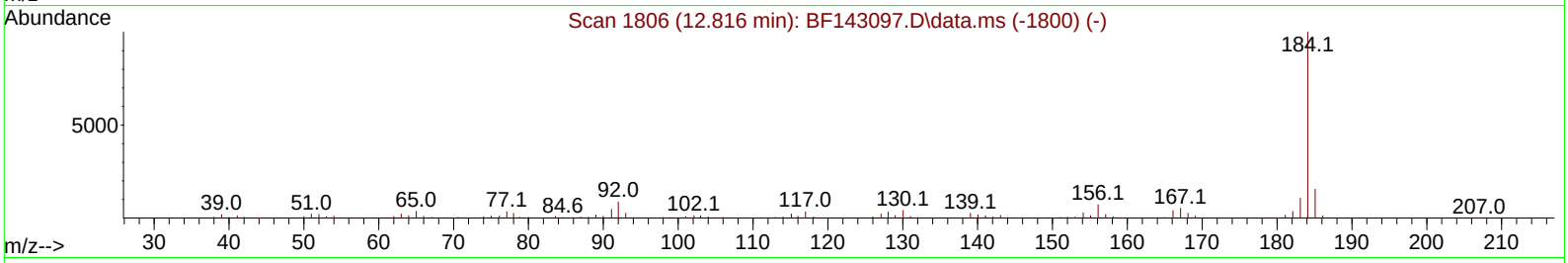
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143092.D\data.ms

(77) Benzidine

12.822min (+ 0.006) 0.00 ng

response 925010

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.52
183.00	10.70	11.25
0.00	0.00	0.00

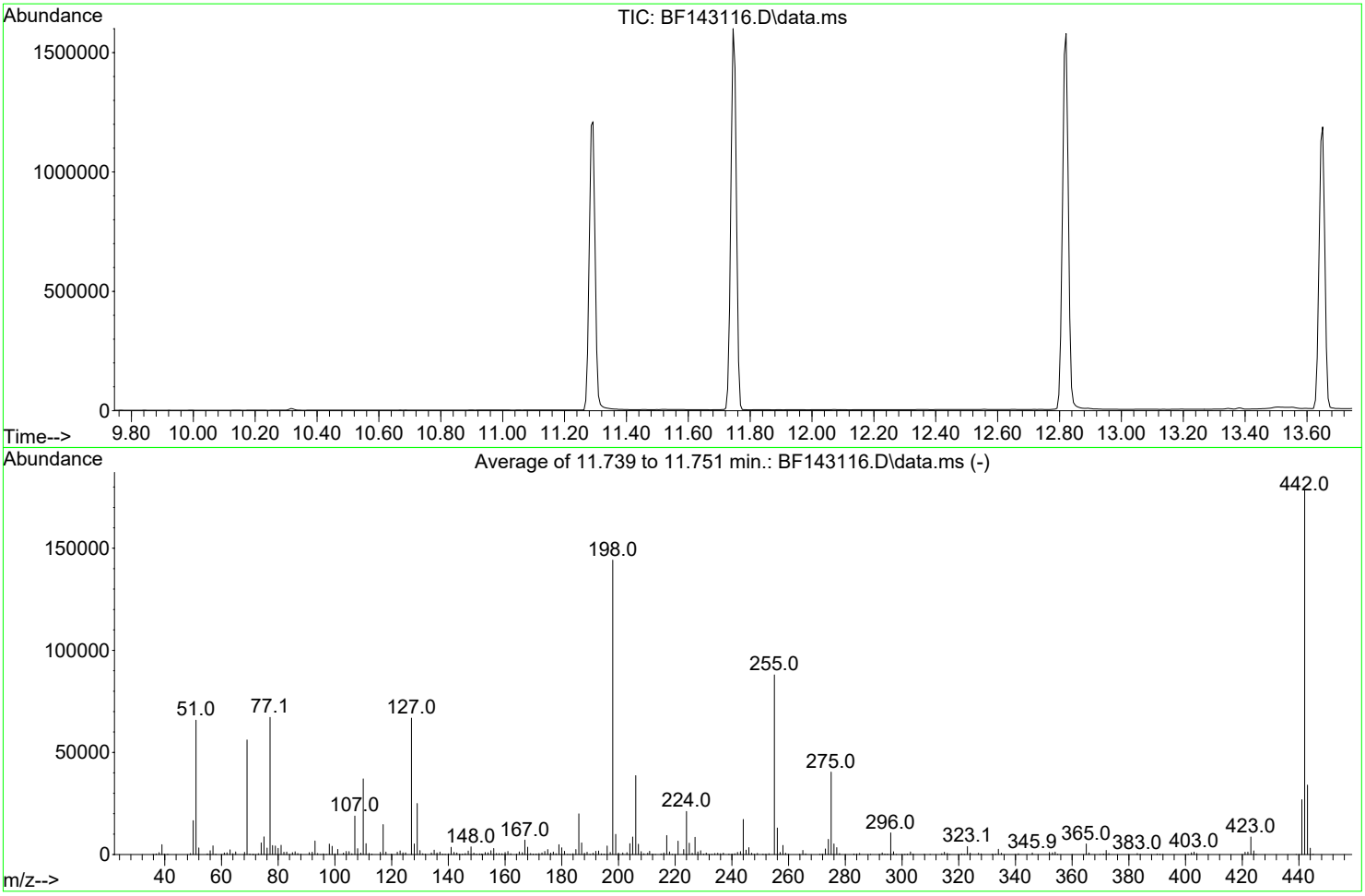
Sample Results: **BF143116.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1058	PASS
69	69	100	100	100.0	56128	PASS
70	69	0.00	2	0.6	318	PASS
197	198	0.00	2	0.7	1000	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.8	9864	PASS
365	198	1	100	3.6	5196	PASS
441	443	0.01	150	79.1	26908	PASS
442	442	100	100	100.0	178251	PASS
443	442	15	24	19.1	34024	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/16/2025	BNA_F	BF143116.D
Compound Name	**Response**	**Retention Time**
DDT	269374	13.651
DDD	2925	13.38
DDE	0	
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2925	272299	1.07

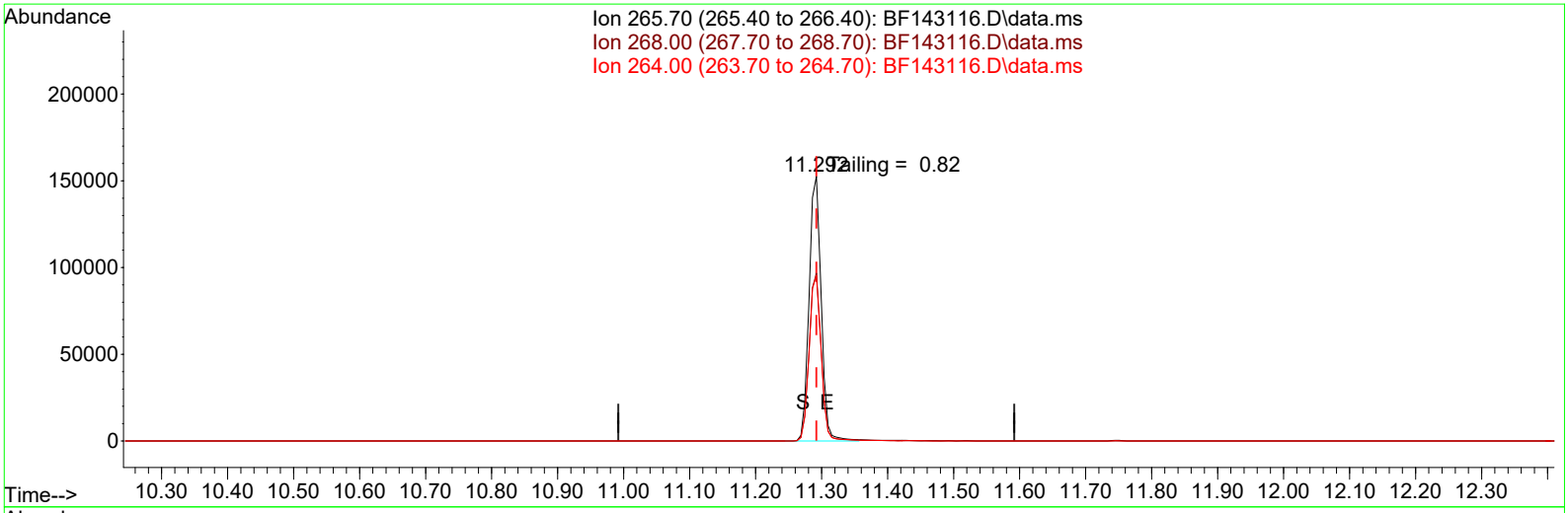
Instrument :
BNA_F
ClientSampleId :
DFTPP

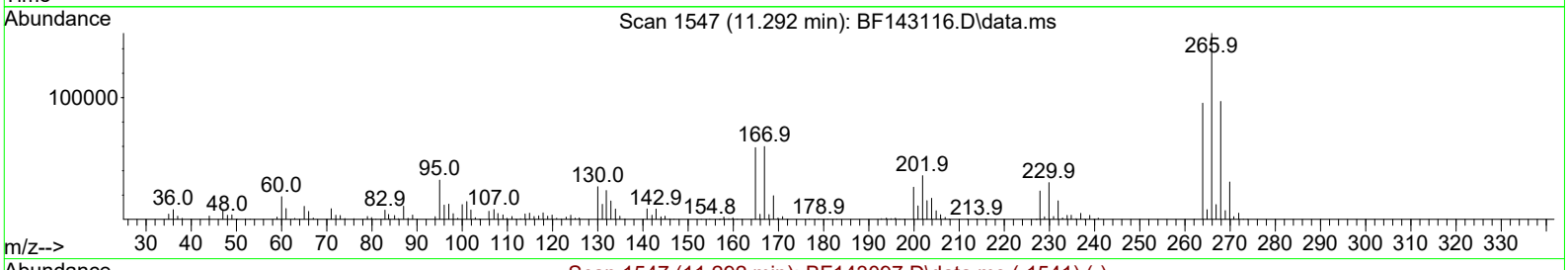
Sample Results: **BF143116.D**

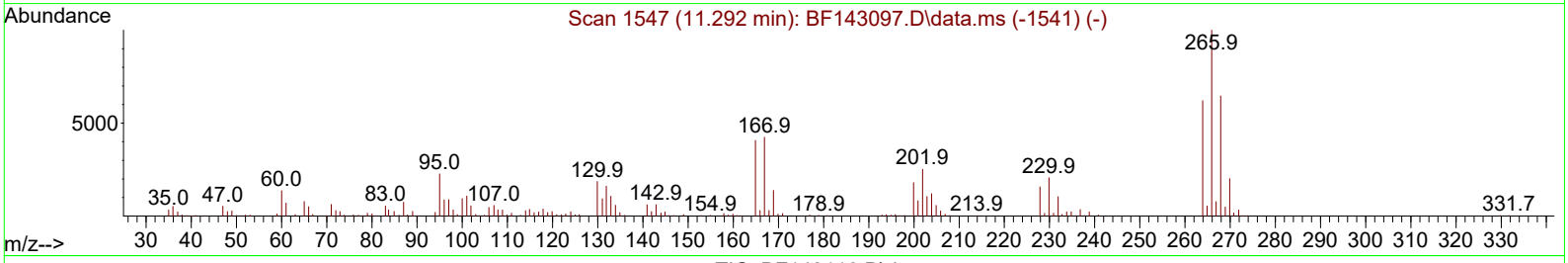
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143116.D\data.ms

(70) Pentachlorophenol (C)

11.292min (-0.000) 32920.43 ng

response 195924

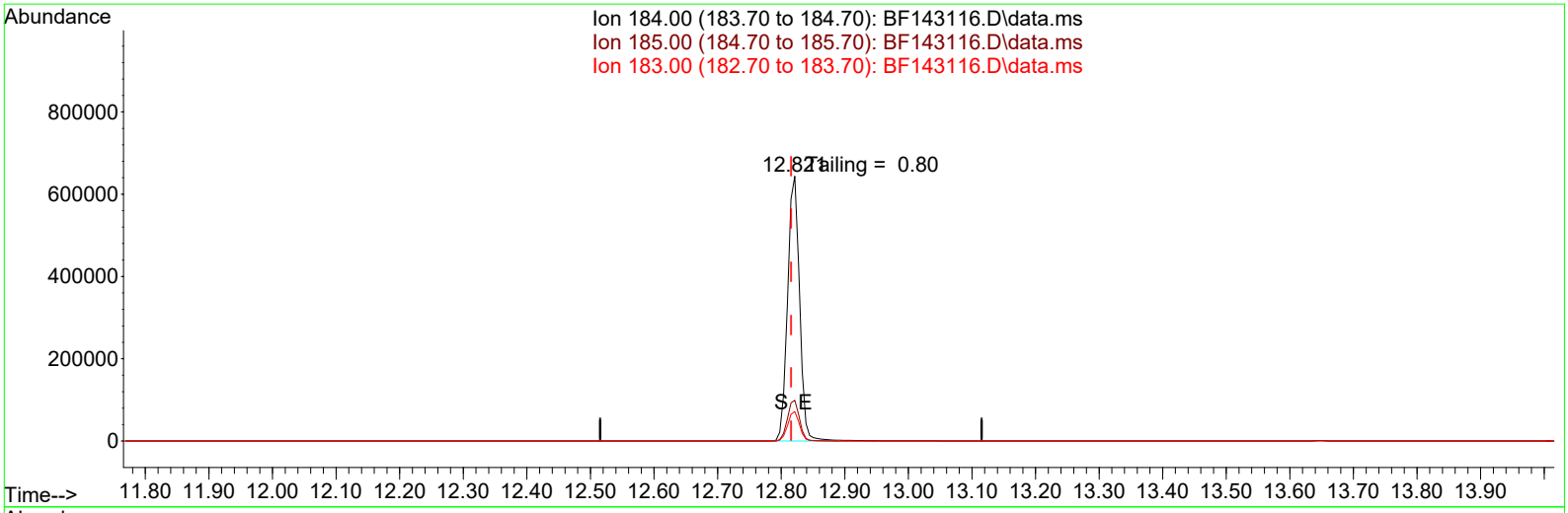
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	63.41
264.00	62.10	62.55
0.00	0.00	0.00

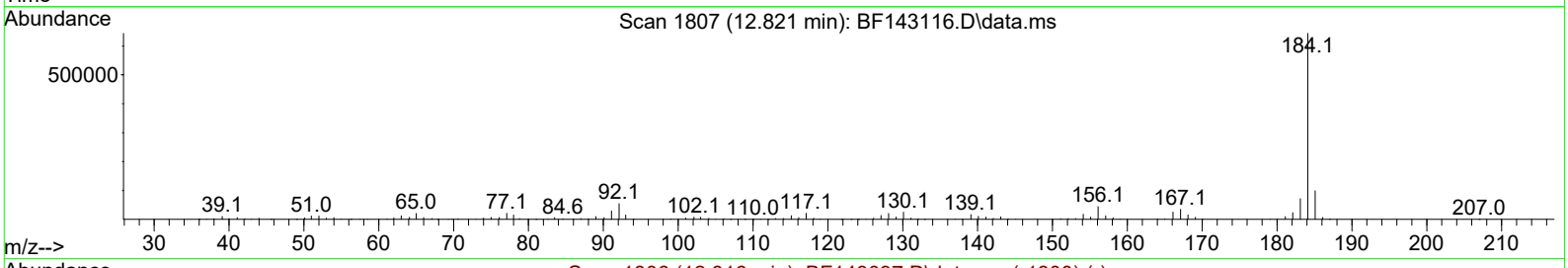
Sample Results: **BF143116.D**

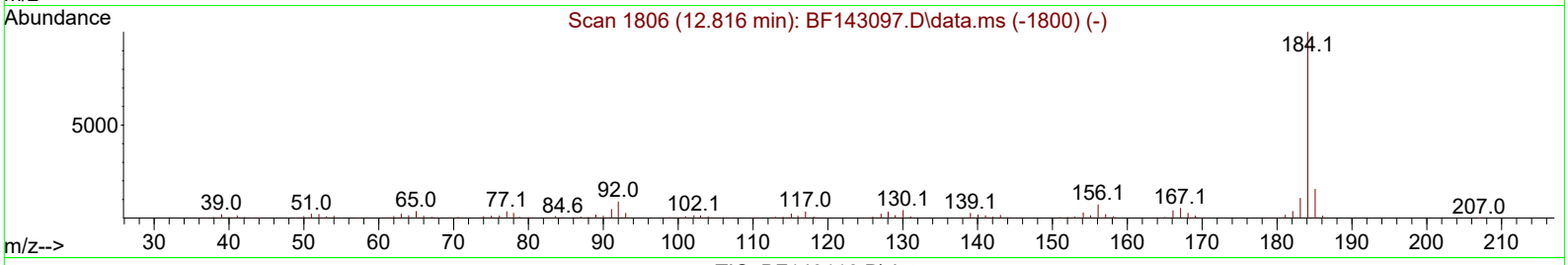
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143116.D\data.ms

(77) Benzidine

12.821min (+ 0.006) 0.00 ng

response 848698

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.39
183.00	10.70	11.10
0.00	0.00	0.00

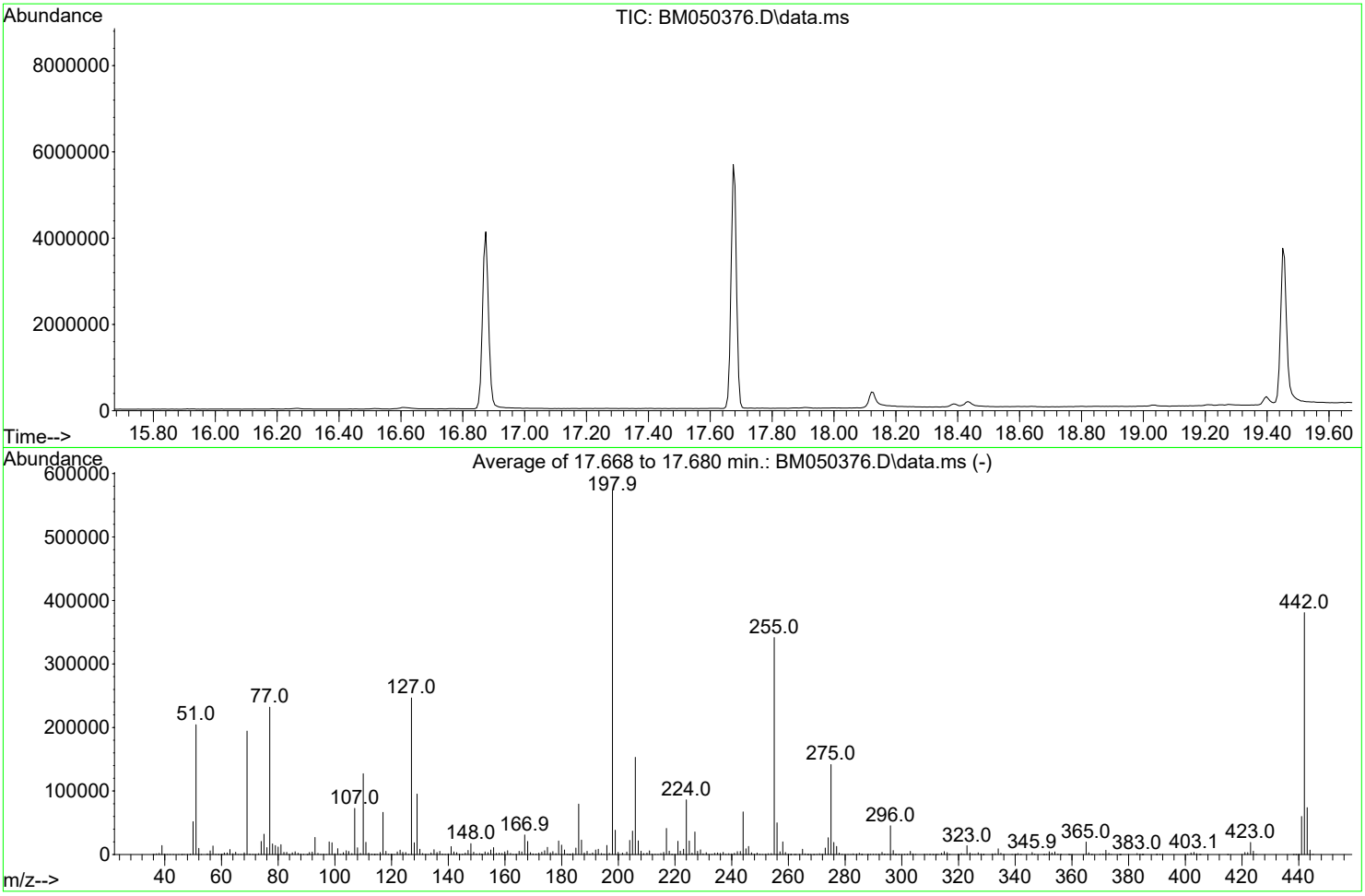
Sample Results: **BM050376.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 08 18:32:25 2025



AutoFind: Scans 2496, 2497, 2498; Background Corrected with Scan 2489

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	2822	PASS
69	69	100	100	100.0	194463	PASS
70	69	0.00	2	0.5	943	PASS
197	198	0.00	2	0.3	1831	PASS
198	198	100	100	100.0	573141	PASS
199	198	5	9	6.7	38261	PASS
365	198	1	100	3.4	19723	PASS
441	443	0.01	150	81.4	60059	PASS
442	442	100	100	100.0	380992	PASS
443	442	15	24	19.4	73781	PASS

DDT Breakdown

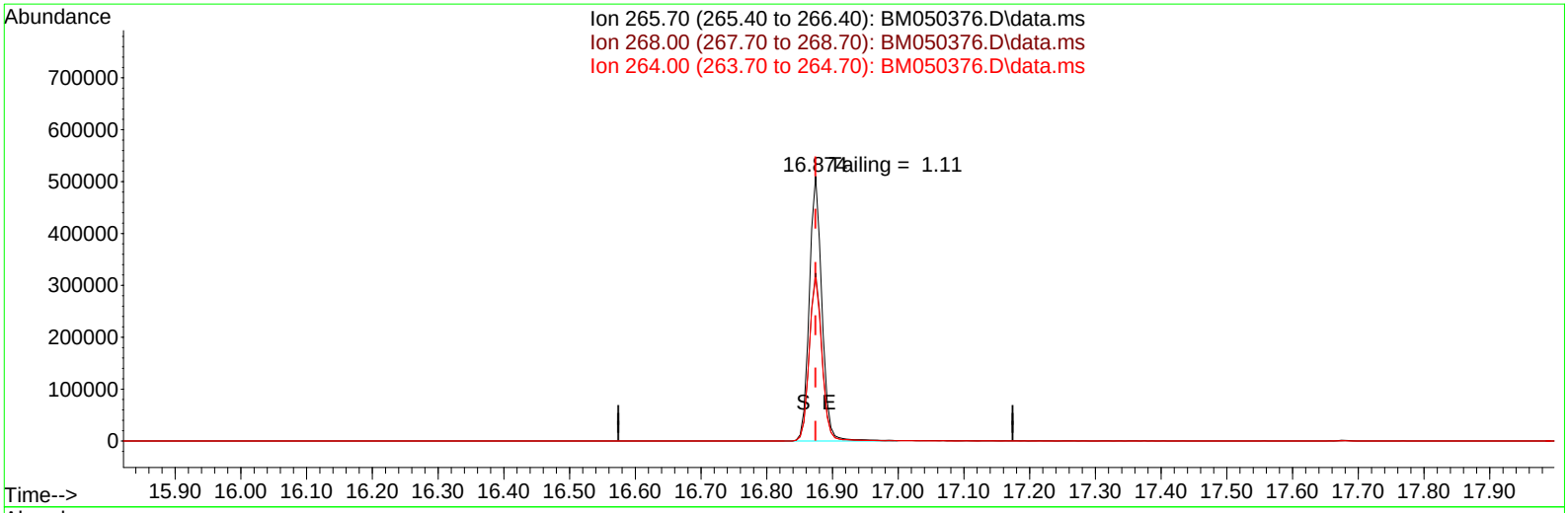
Date	Instrument Name	DFTPP Data File
7/9/2025	BNA_M	BM050376.D
Compound Name	**Response**	**Retention Time**
DDT	1842274	20.692
DDD	18107	20.309
DDE	1079	19.75
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19186	1861460	1.03

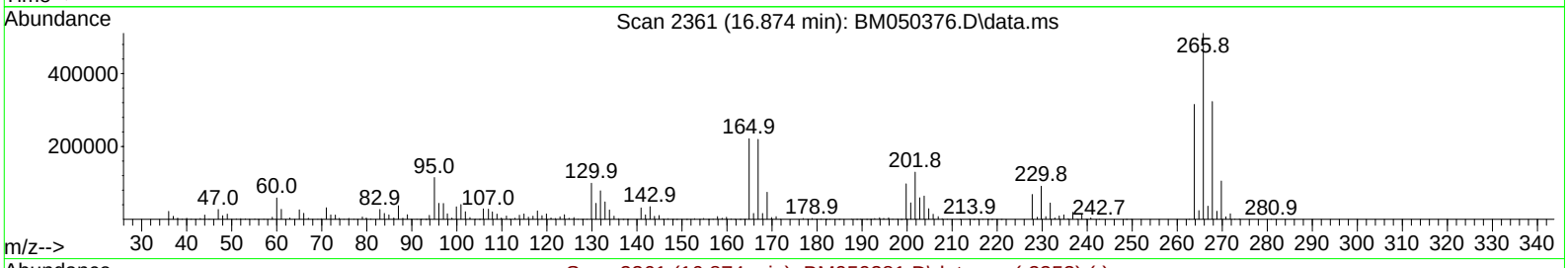
Instrument :
BNA_M
ClientSampleId :
DFTPP

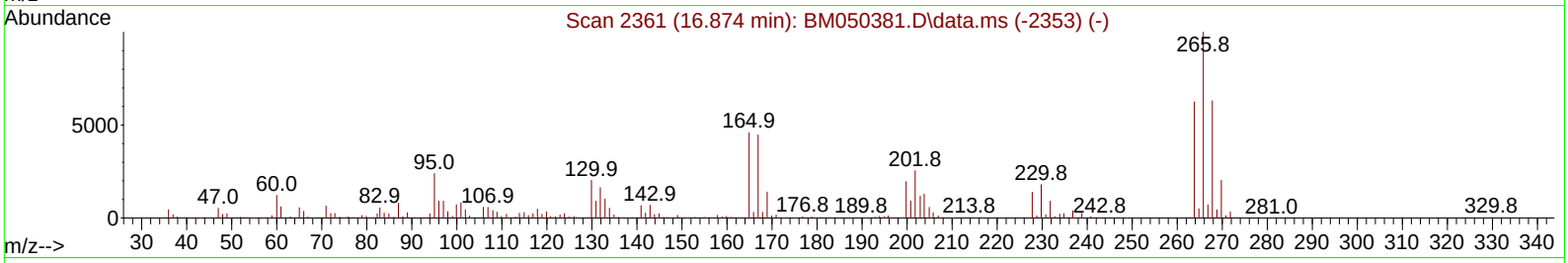
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration







TIC: BM050376.D\data.ms

(70) Pentachlorophenol (C)

16.874min (+ 0.000) 0.00 ng

response 680595

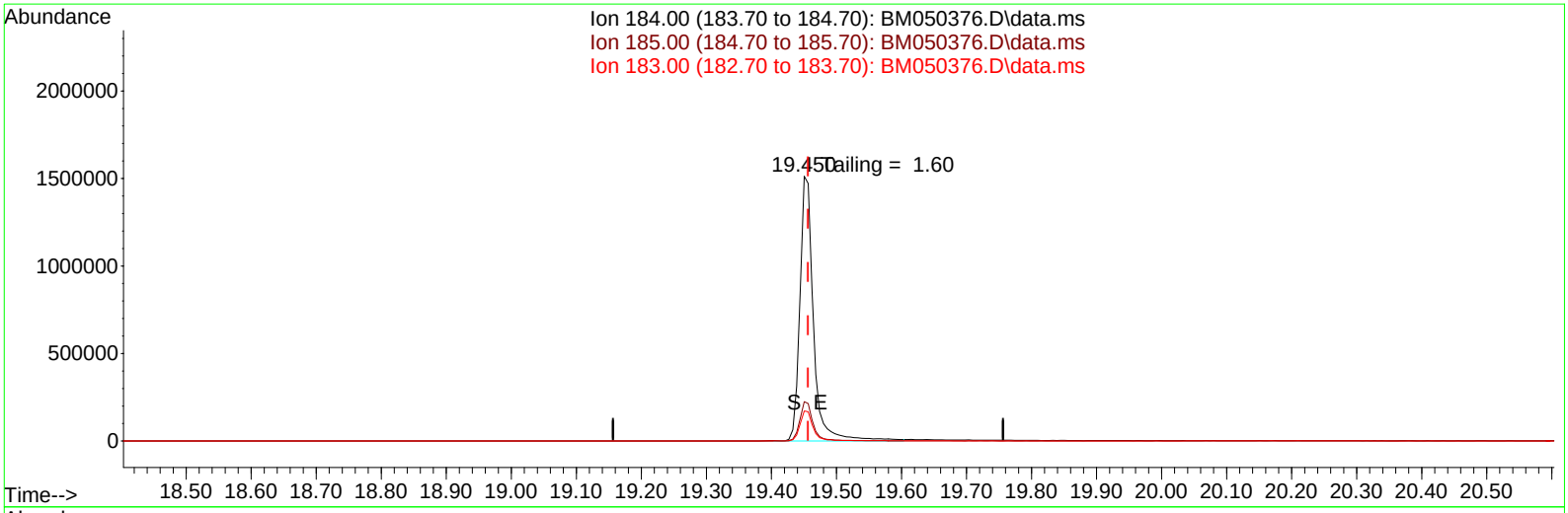
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.37
264.00	62.40	61.79
0.00	0.00	0.00

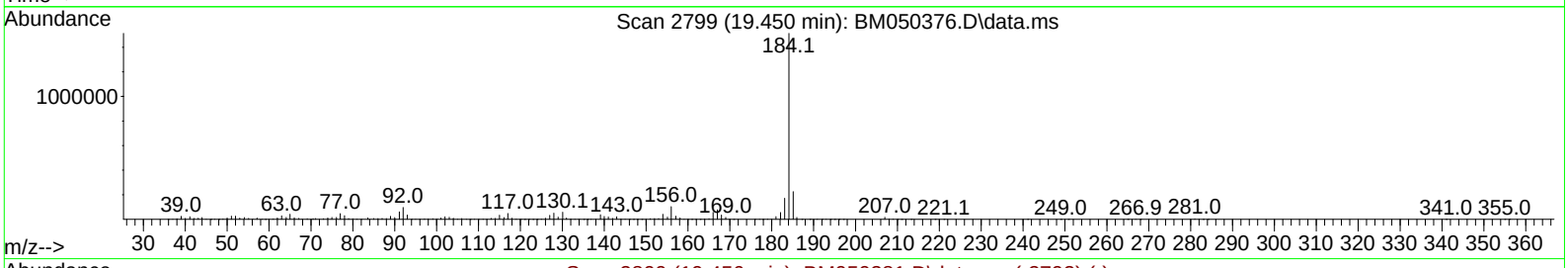
Sample Results: **BM050376.D**

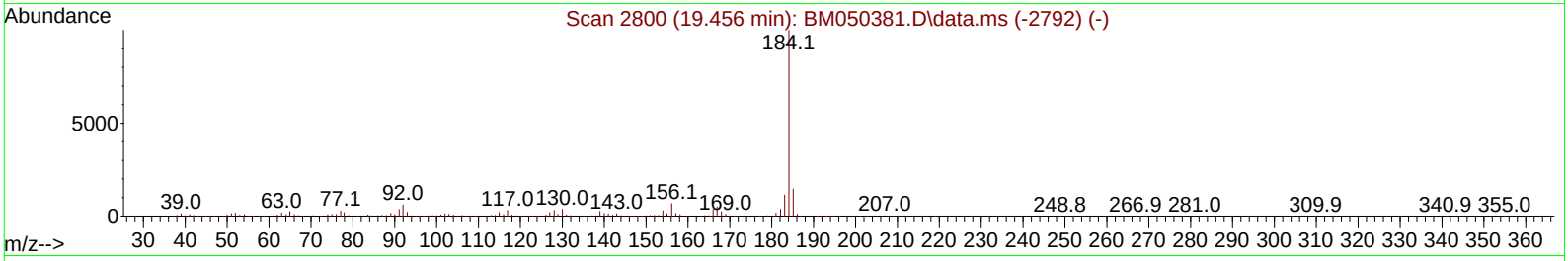
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070925\
Data File : BM050376.D
Acq On : 08 Jul 2025 11:59
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jul 08 17:14:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 08 15:59:58 2025
Response via : Initial Calibration







TIC: BM050376.D\data.ms

(77) Benzidine

19.450min (-0.006) 78341.13 ng

response 2201890

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	14.87
183.00	11.30	11.33
0.00	0.00	0.00

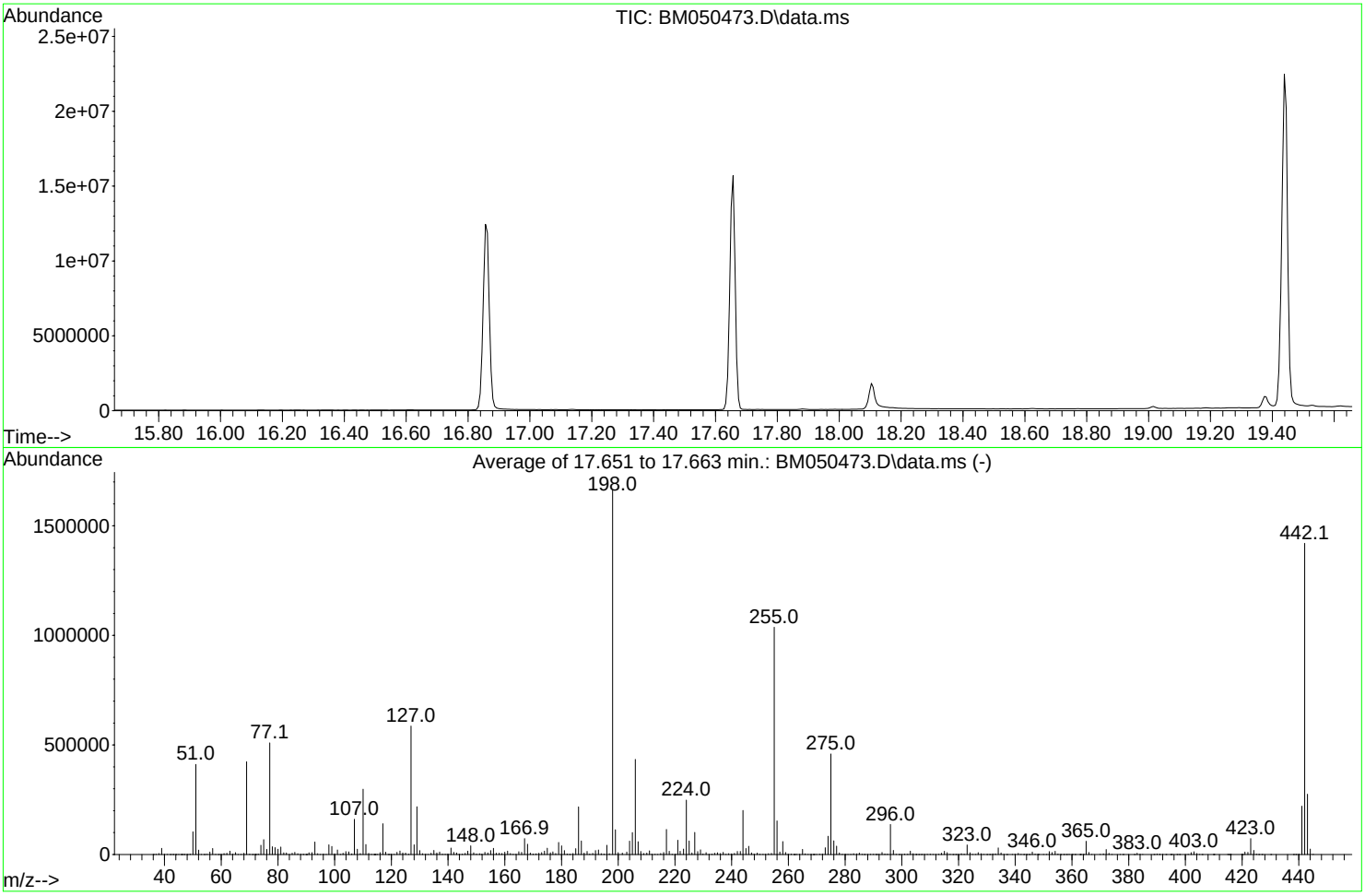
Sample Results: **BM050473.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Oct 07 11:38:17 2020



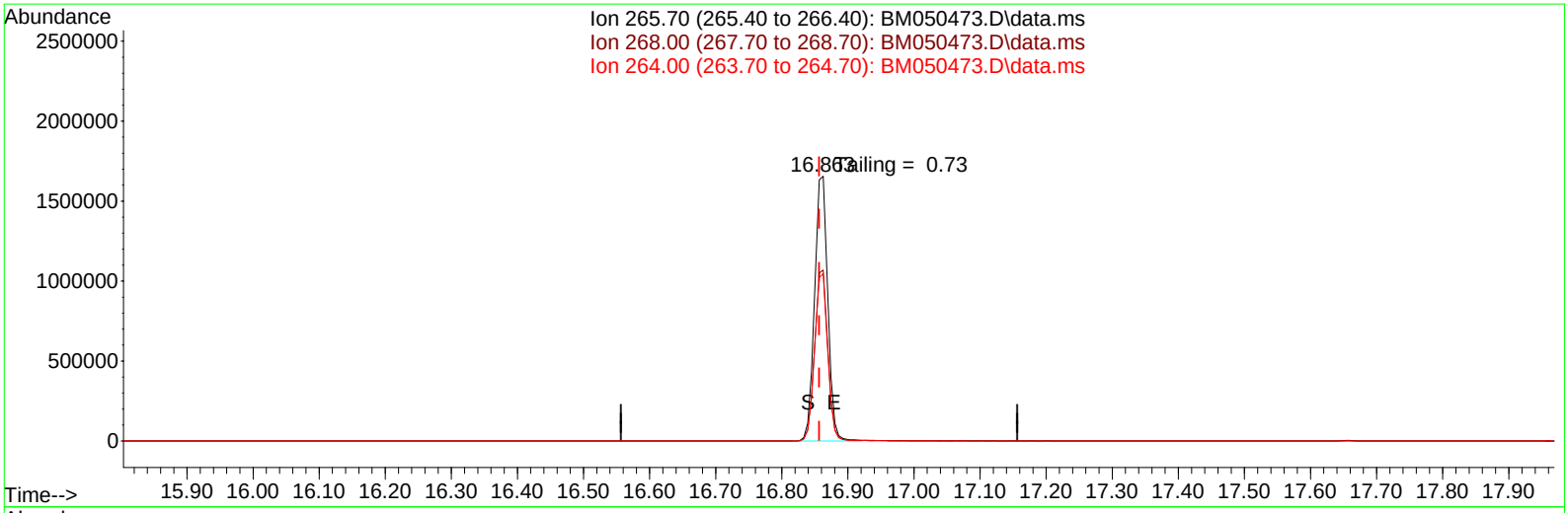
AutoFind: Scans 2493, 2494, 2495; Background Corrected with Scan 2485

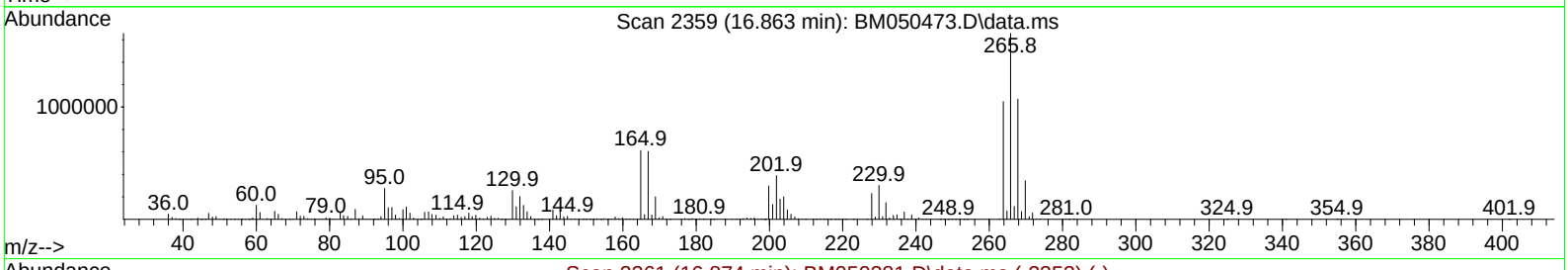
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	6225	PASS
69	69	100	100	100.0	423672	PASS
70	69	0.00	2	0.5	2225	PASS
197	198	0.00	2	0.2	4012	PASS
198	198	100	100	100.0	1660757	PASS
199	198	5	9	6.8	113293	PASS
365	198	1	100	3.6	60509	PASS
441	443	0.01	150	80.2	220800	PASS
442	442	100	100	100.0	1419947	PASS
443	442	15	24	19.4	275179	PASS

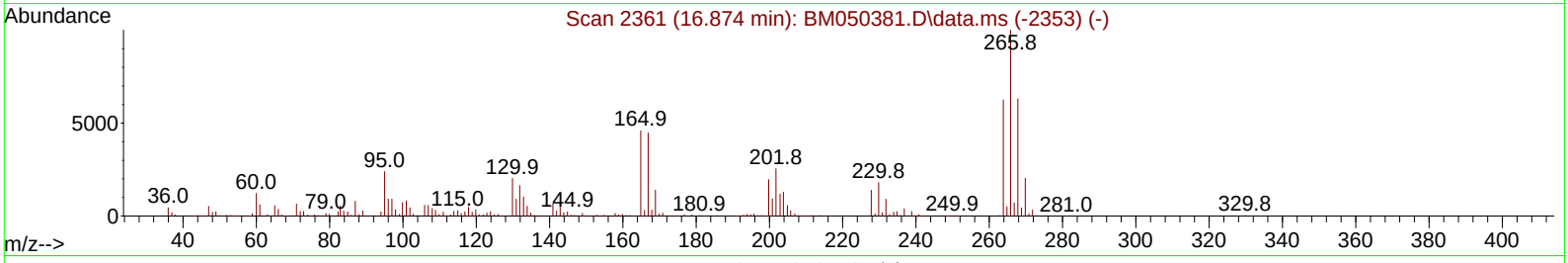
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration







TIC: BM050473.D\data.ms

(70) Pentachlorophenol (C)

16.863min (+ 0.006) 343417.56 ng

response 2320091

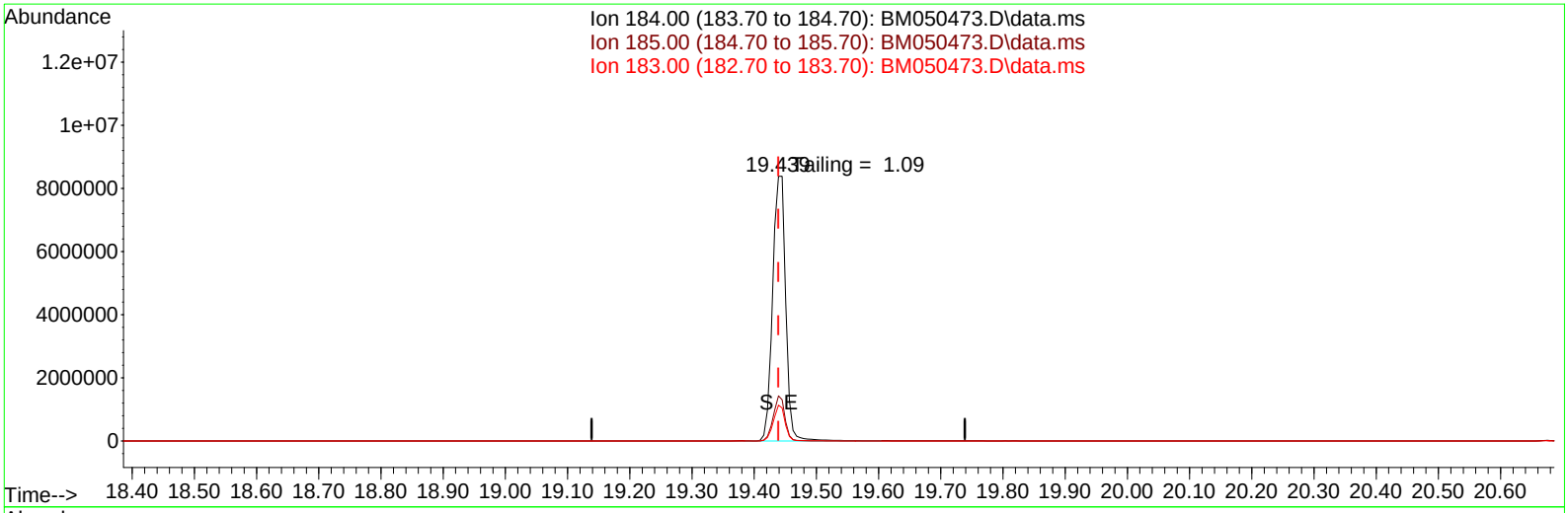
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.56
264.00	62.40	63.28
0.00	0.00	0.00

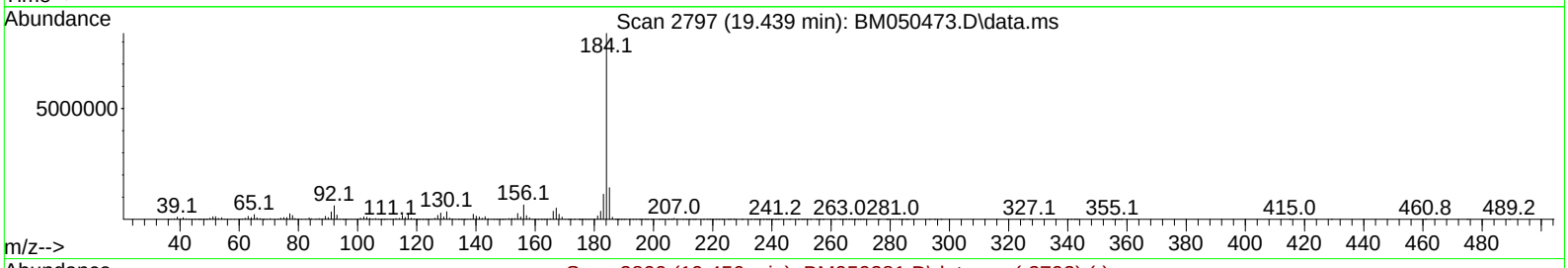
Sample Results: **BM050473.D**

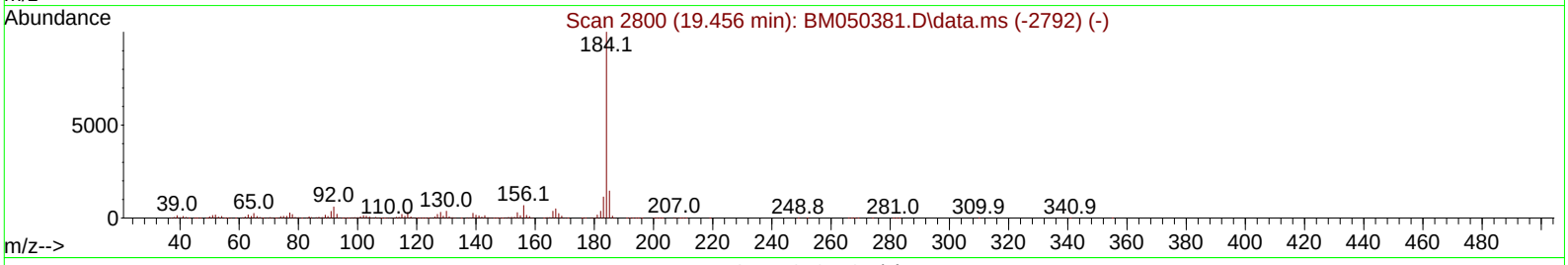
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050473.D
Acq On : 17 Jul 2025 13:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration







TIC: BM050473.D\data.ms

(77) Benzidine

19.439min (+ 0.000) 121383.09 ng

response 12309874

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.60	17.04
183.00	11.30	13.56#
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_M	BM050473.D
Compound Name	**Response**	**Retention Time**
DDT	6172237	20.674
DDD	81432	20.292
DDE	4819	19.733
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
86251	6258488	1.38

Instrument :
BNA_M
ClientSampleId :
DFTPP

Raw Data: **BM050475.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168885BL	SDG No.:	Q2600
Lab Sample ID:	PB168885BL	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050475.D	1	07/16/25 10:14	07/17/25 14:57	PB168885

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	133		23 - 138	89%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.7		67 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.1		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		44 - 137	105%	SPK: 150
1718-51-0	Terphenyl-d14	86.6		42 - 152	87%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	484000	7.845			
1146-65-2	Naphthalene-d8	1700000	10.639			
15067-26-2	Acenaphthene-d10	1090000	14.474			
1517-22-2	Phenanthrene-d10	2250000	17.203			
1719-03-5	Chrysene-d12	2370000	21.427			
1520-96-3	Perylene-d12	2620000	24.45			

Raw Data: **BM050475.D**

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

Report of Analysis

Client:	T&A Construction Inc			Date Collected:			
Project:	Kingsland Point Park Water Main			Date Received:			
Client Sample ID:	PB168885BL			SDG No.:	Q2600		
Lab Sample ID:	PB168885BL			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 :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050475.D	1	07/16/25 10:14	07/17/25 14:57	PB168885

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_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

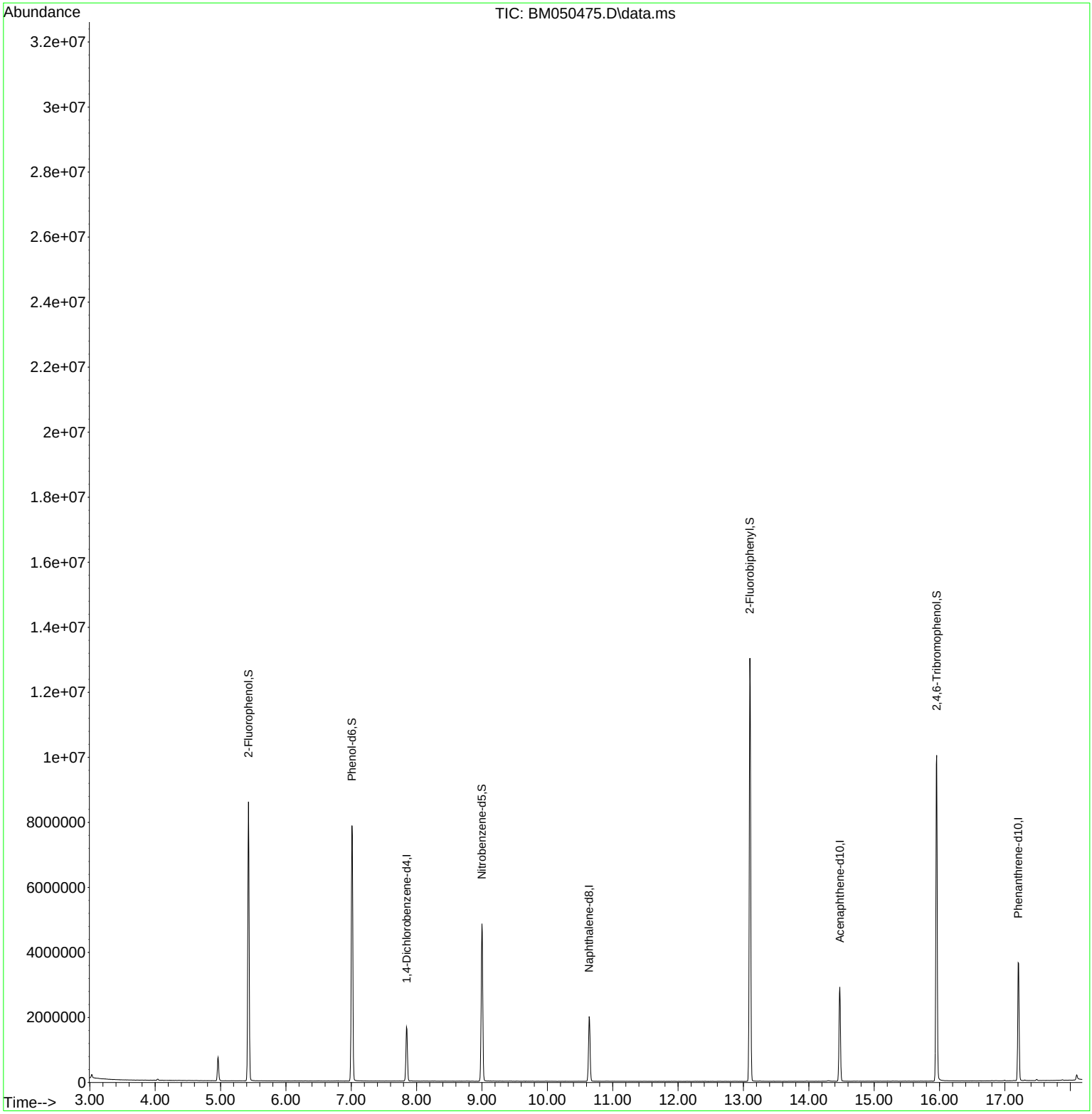
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.845	152	484190	20.000	ng	0.00
21) Naphthalene-d8	10.639	136	1695354	20.000	ng	0.00
39) Acenaphthene-d10	14.474	164	1085065	20.000	ng	0.00
64) Phenanthrene-d10	17.203	188	2246799	20.000	ng	0.00
76) Chrysene-d12	21.427	240	2374390	20.000	ng	0.00
86) Perylene-d12	24.450	264	2623122	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	3740092	132.962	ng	0.00
7) Phenol-d6	7.010	99	4572384	128.946	ng	0.00
23) Nitrobenzene-d5	8.998	82	2748609	82.714	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	2071363	157.116	ng	0.00
45) 2-Fluorobiphenyl	13.098	172	7037234	80.092	ng	0.00
79) Terphenyl-d14	19.821	244	11688353	86.612	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168885BL

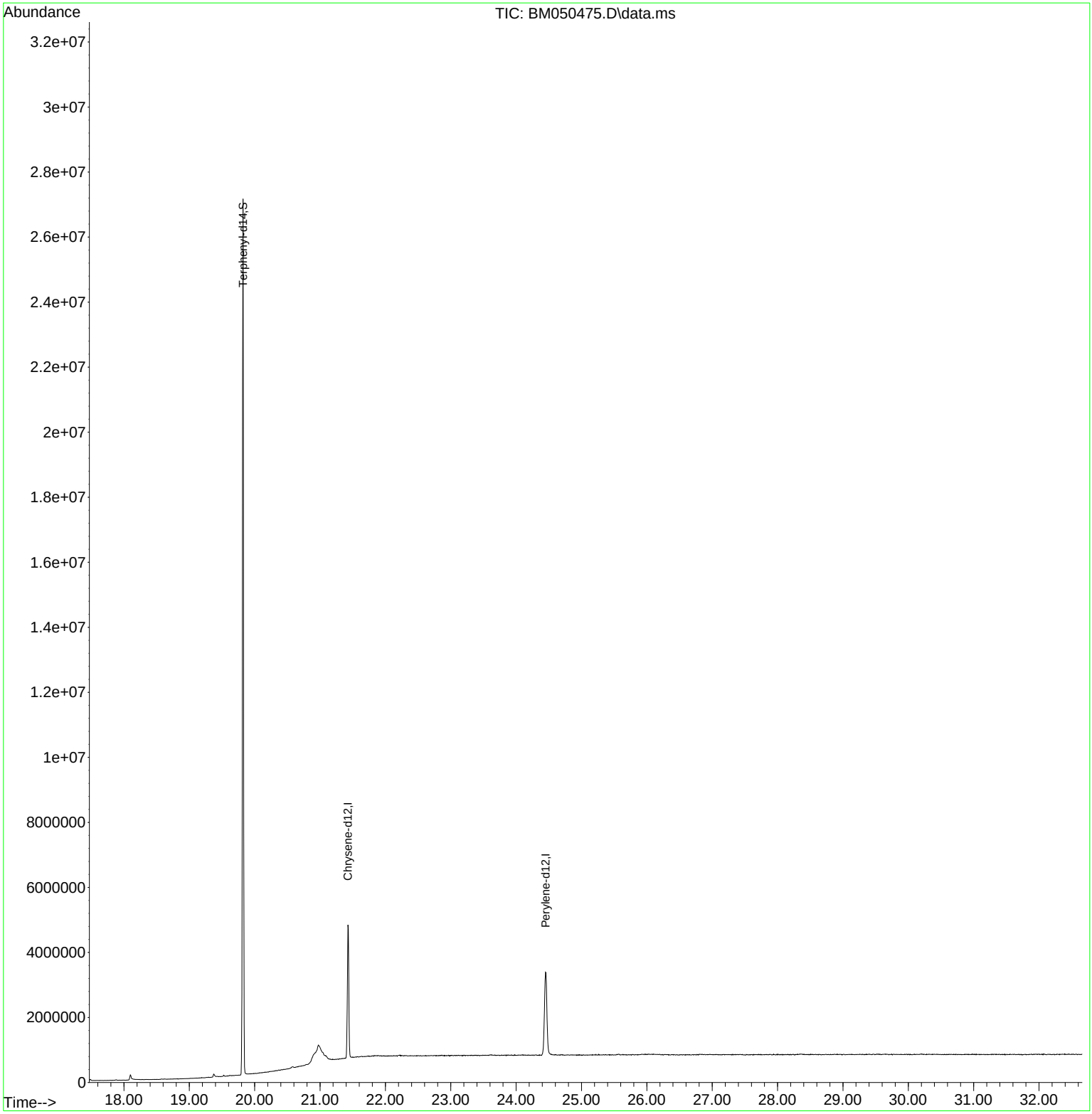
Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

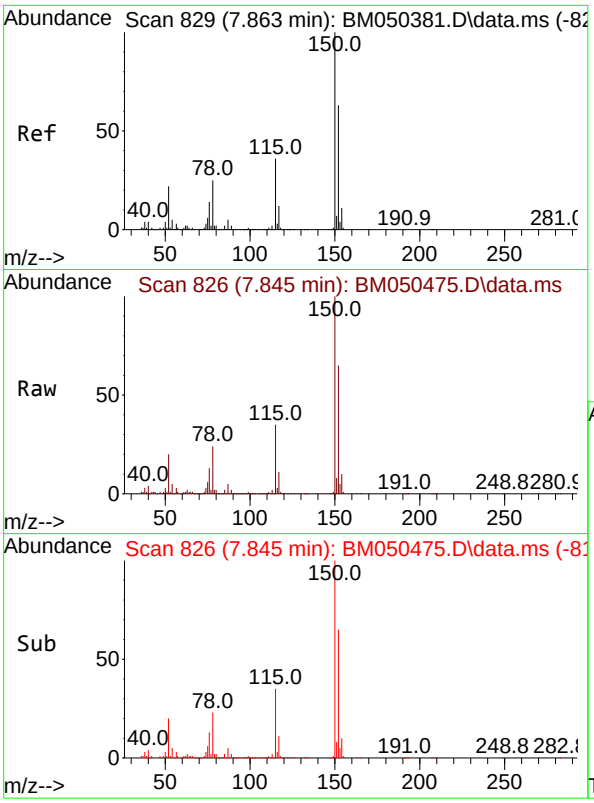


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050475.D
Acq On : 17 Jul 2025 14:57
Operator : RC/JU
Sample : PB168885BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Quant Time: Jul 17 16:21:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration



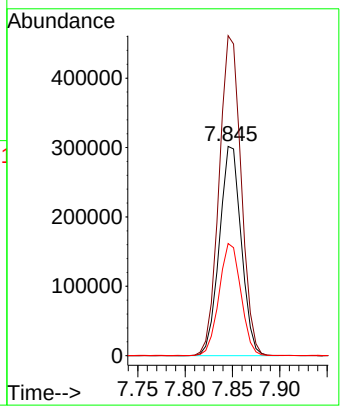


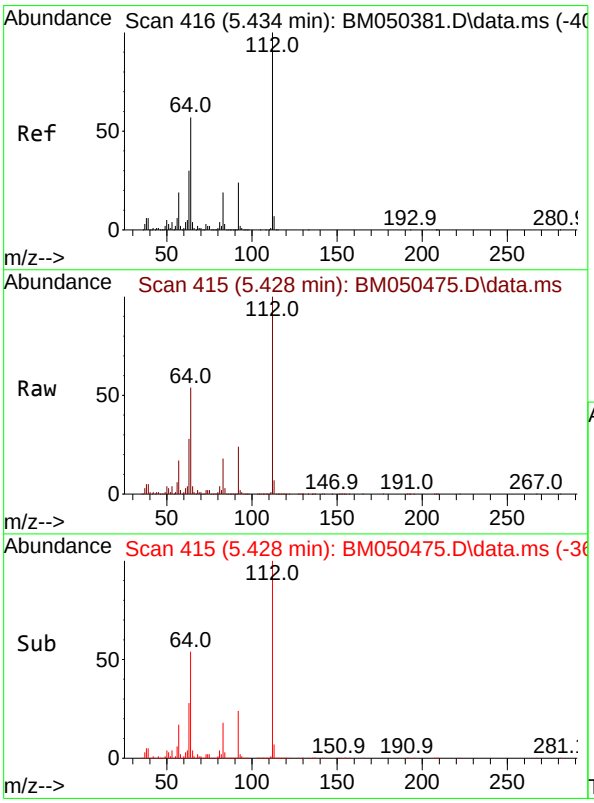
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.845 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion:152 Resp: 484190

Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.4
115	53.6	45.8	68.8

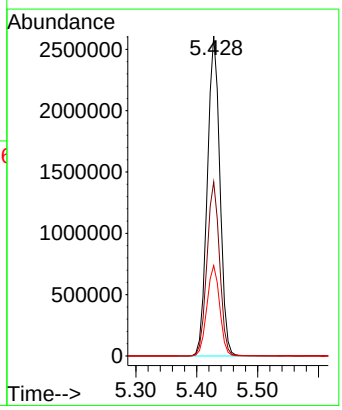


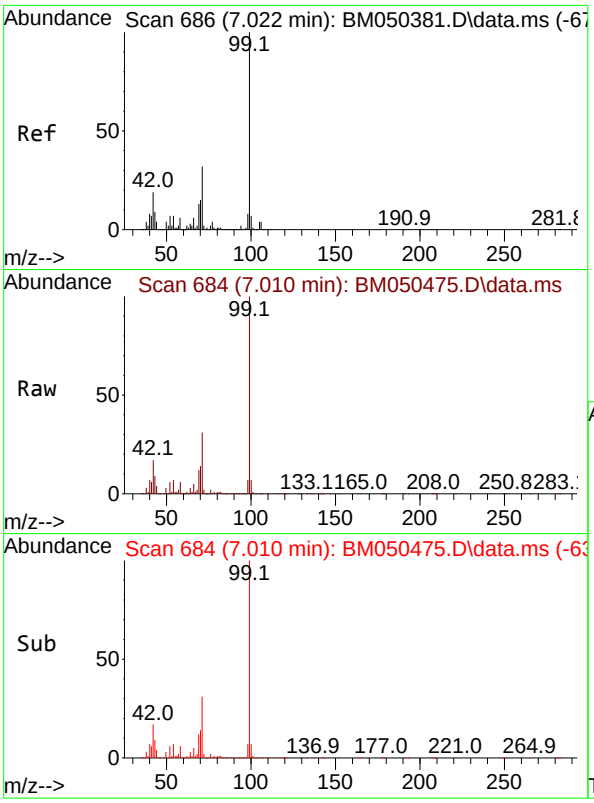


#5
2-Fluorophenol
Concen: 132.962 ng
RT: 5.428 min Scan# 415
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:112 Resp: 3740092

Ion	Ratio	Lower	Upper
112	100		
64	54.4	45.5	68.3
63	28.2	24.2	36.4



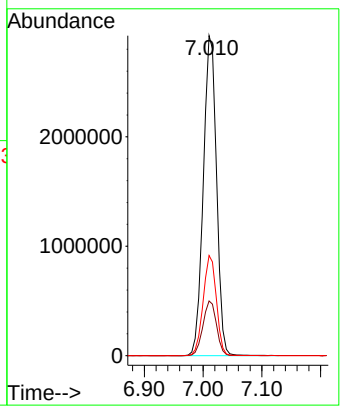


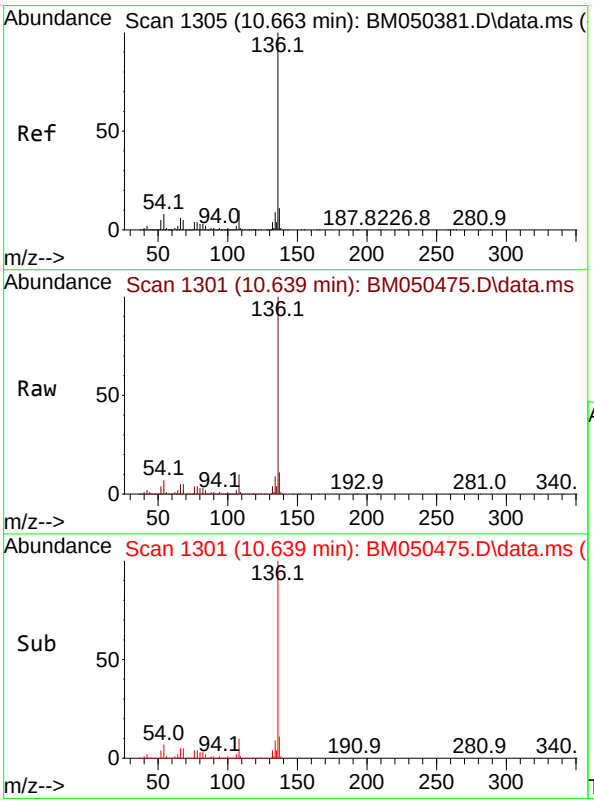
#7
Phenol-d6
Concen: 128.946 ng
RT: 7.010 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion: 99 Resp: 4572384

Ion	Ratio	Lower	Upper
99	100		
42	17.1	15.0	22.6
71	31.3	25.9	38.9

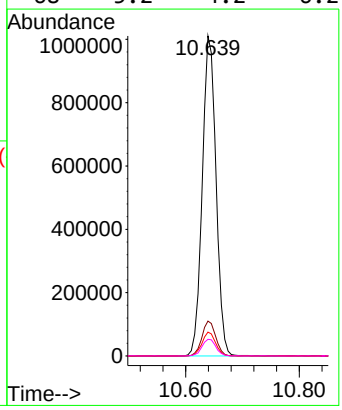


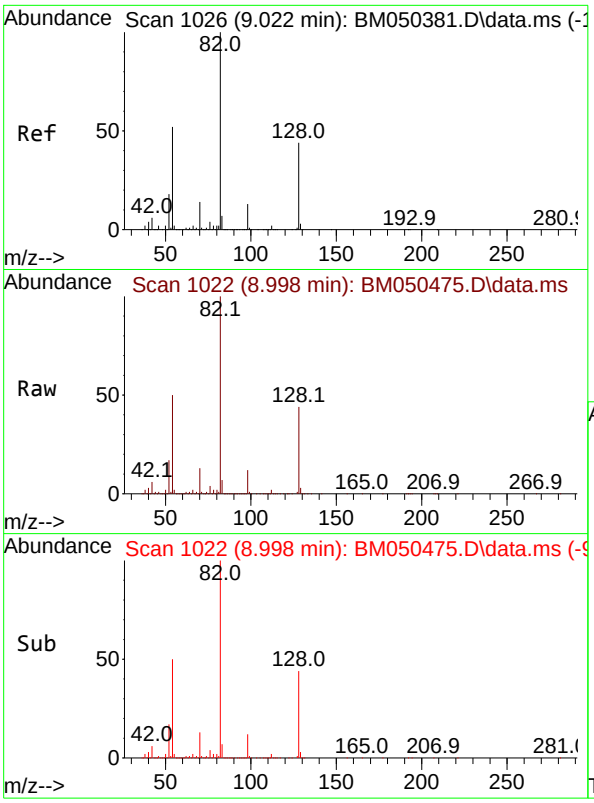


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.639 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:136 Resp: 1695354

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.5	6.3	9.5
68	5.2	4.2	6.2



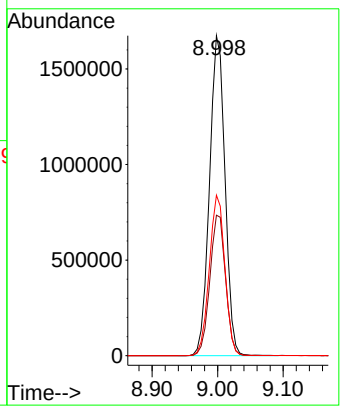


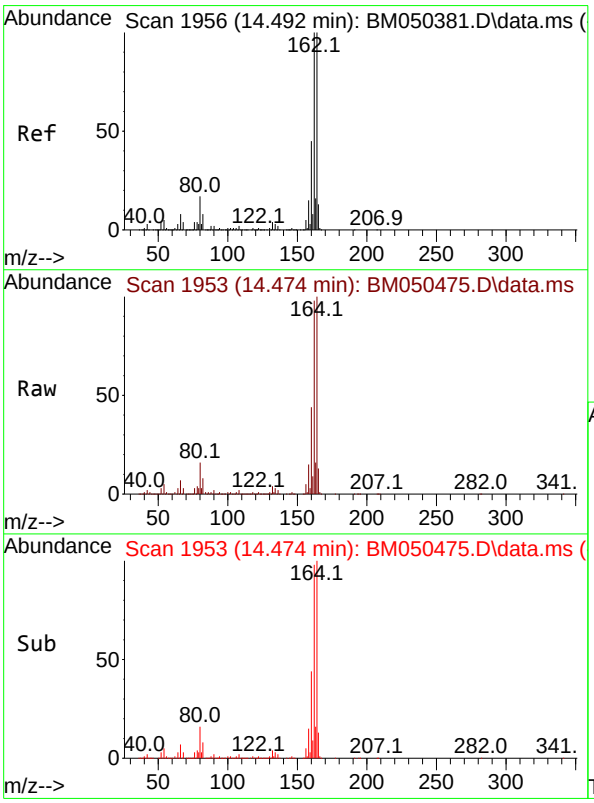
#23
Nitrobenzene-d5
Concen: 82.714 ng
RT: 8.998 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion: 82 Resp: 2748609

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.2	52.8
54	50.2	41.5	62.3

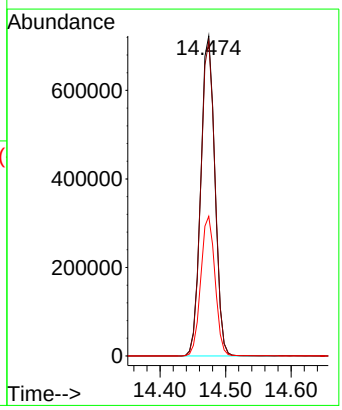


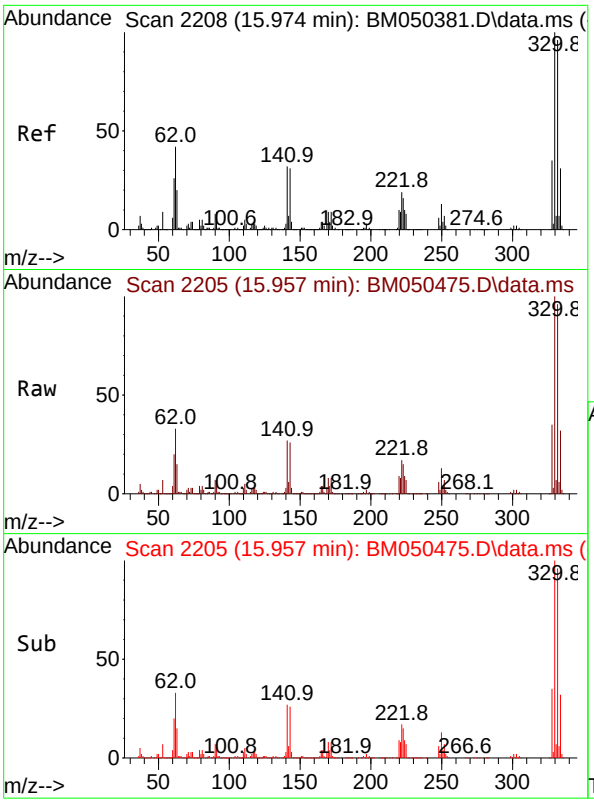


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:164 Resp: 1085065

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.9	119.9
160	43.7	36.2	54.4



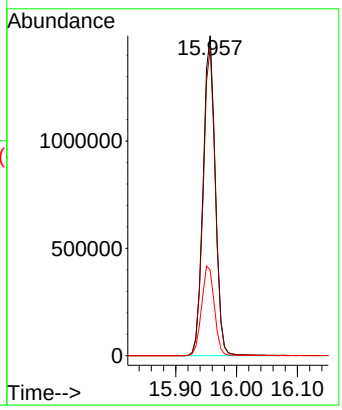


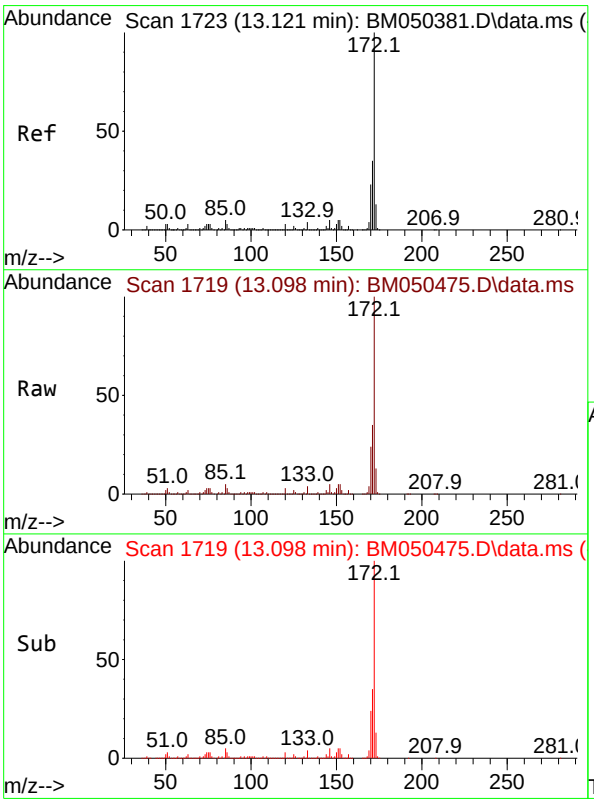
#42
2,4,6-Tribromophenol
Concen: 157.116 ng
RT: 15.957 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion:330 Resp: 2071363

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	29.4	27.4	41.0

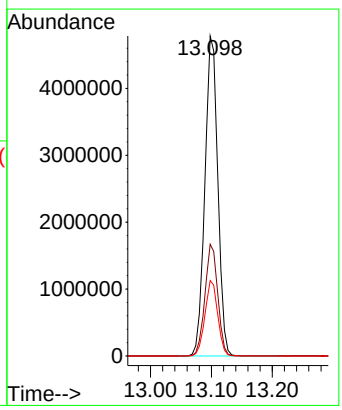


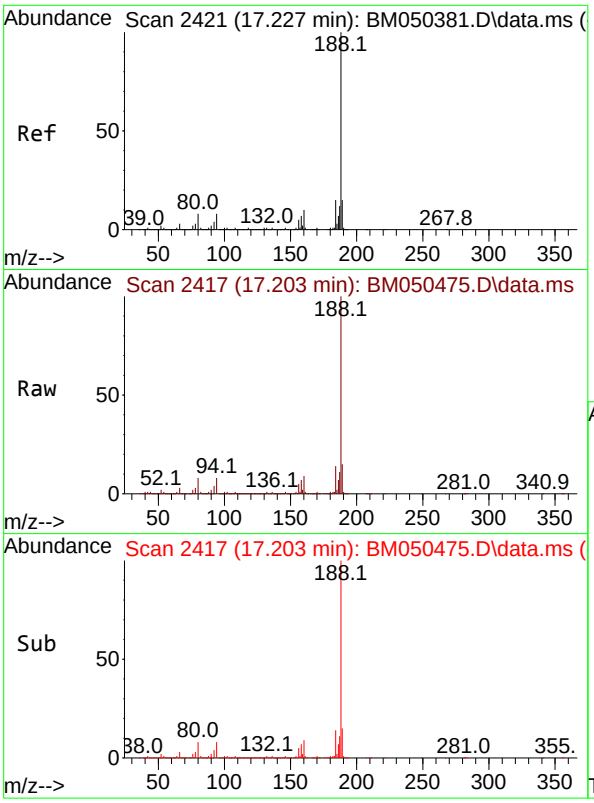


#45
2-Fluorobiphenyl
Concen: 80.092 ng
RT: 13.098 min Scan# 1719
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:172 Resp: 7037234

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.6	18.8	28.2



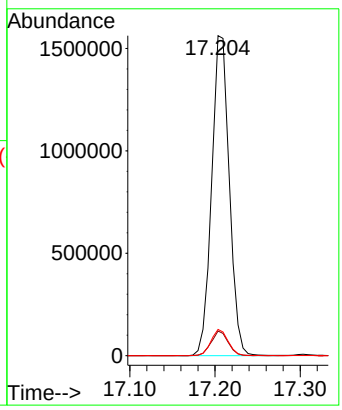


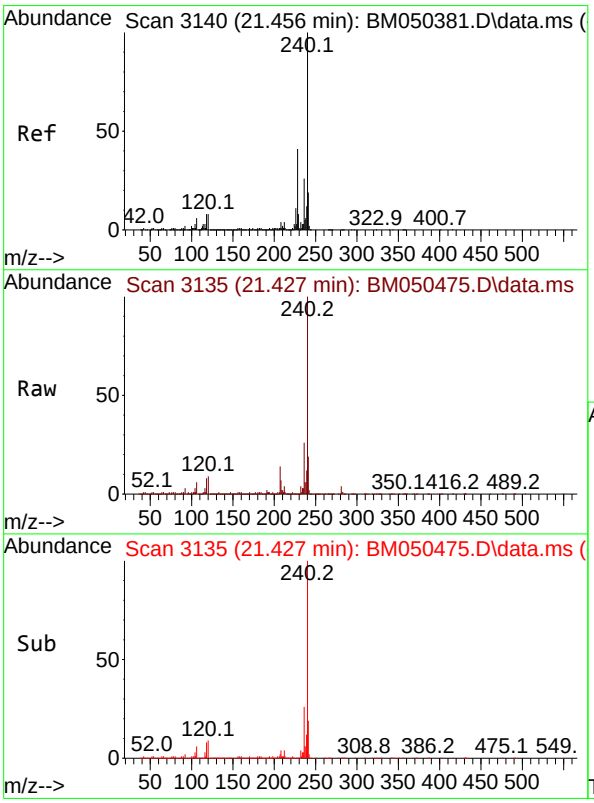
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion:188 Resp: 2246799

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.0	9.0
80	8.2	6.5	9.7

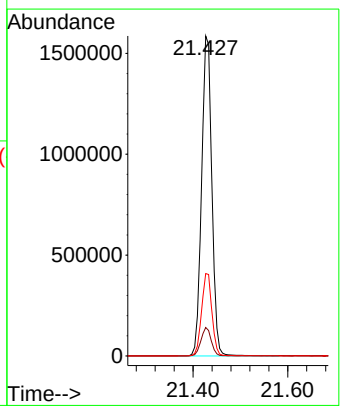


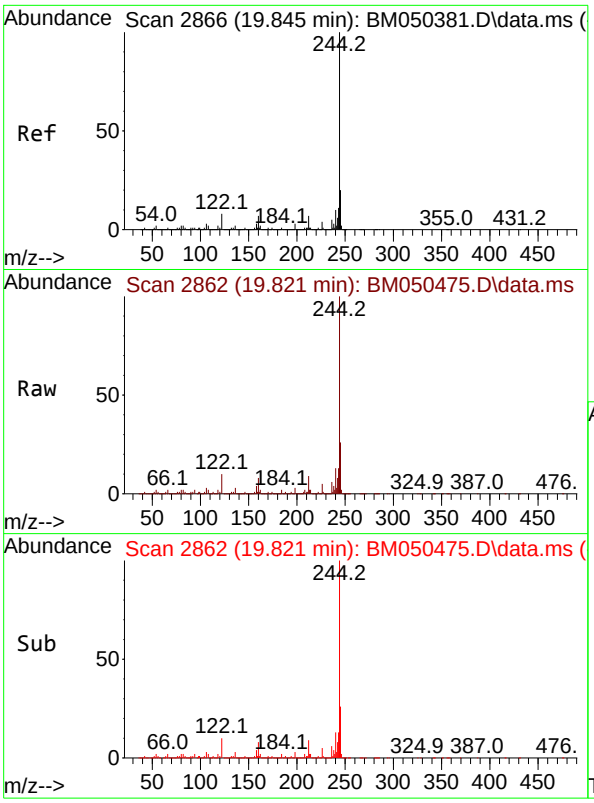


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:240 Resp: 2374390

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.7	10.1
236	25.7	20.7	31.1



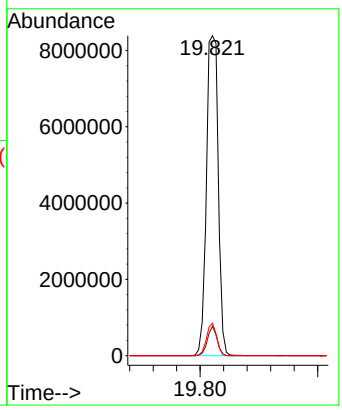


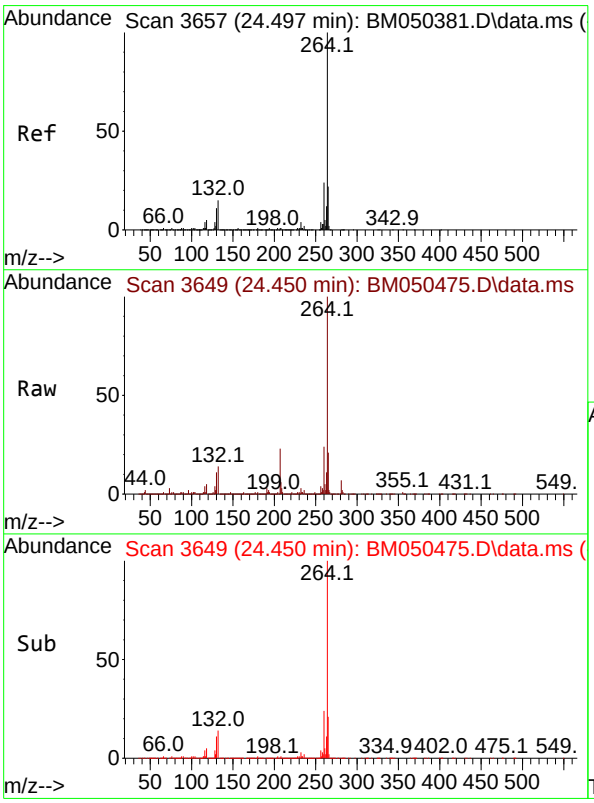
#79
Terphenyl-d14
Concen: 86.612 ng
RT: 19.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Instrument :
BNA_M
ClientSampleId :
PB168885BL

Tgt Ion:244 Resp:11688353

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.7	8.5#
122	10.2	6.2	9.2#

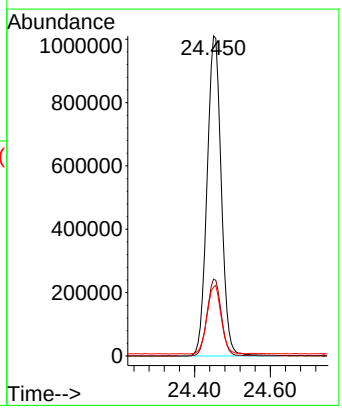




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.450 min Scan# 3649
Delta R.T. -0.006 min
Lab File: BM050475.D
Acq: 17 Jul 2025 14:57

Tgt Ion:264 Resp: 2623122

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.5	17.8	26.6



Raw Data: **BM050476.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	
Project:	Kingsland Point Park Water Main	Date Received:	
Client Sample ID:	PB168885BS	SDG No.:	Q2600
Lab Sample ID:	PB168885BS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050476.D	1	07/16/25 10:14	07/17/25 15:57	PB168885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.1		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.0		0.53	5.00	ug/L
95-48-7	2-Methylphenol	47.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	43.1		0.65	5.00	ug/L
98-95-3	Nitrobenzene	44.3		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.8		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	51.7		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.2		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	47.8		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		23 - 138	86%	SPK: 150
13127-88-3	Phenol-d6	130		10 - 134	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.8		67 - 132	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.5		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		44 - 137	100%	SPK: 150
1718-51-0	Terphenyl-d14	76.8		42 - 152	77%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	516000	7.846			
1146-65-2	Naphthalene-d8	1950000	10.64			
15067-26-2	Acenaphthene-d10	1310000	14.475			
1517-22-2	Phenanthrene-d10	2580000	17.21			
1719-03-5	Chrysene-d12	2740000	21.433			
1520-96-3	Perylene-d12	2910000	24.462			

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

Report of Analysis

Client:	T&A Construction Inc			Date Collected:			
Project:	Kingsland Point Park Water Main			Date Received:			
Client Sample ID:	PB168885BS			SDG No.:	Q2600		
Lab Sample ID:	PB168885BS			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 :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050476.D	1	07/16/25 10:14	07/17/25 15:57	PB168885

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_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168885BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	516385	20.000	ng	0.00
21) Naphthalene-d8	10.640	136	1948201	20.000	ng	0.00
39) Acenaphthene-d10	14.475	164	1313335	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	2583210	20.000	ng	0.00
76) Chrysene-d12	21.433	240	2737581	20.000	ng	0.00
86) Perylene-d12	24.462	264	2912638	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	3884146	129.474	ng	0.00
7) Phenol-d6	7.016	99	4920980	130.124	ng	0.00
23) Nitrobenzene-d5	8.999	82	2933678	76.825	ng	0.00
42) 2,4,6-Tribromophenol	15.957	330	2389558	149.748	ng	0.00
45) 2-Fluorobiphenyl	13.104	172	7818506	73.518	ng	0.00
79) Terphenyl-d14	19.821	244	11945436	76.774	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.323	88	454197	36.819	ng	99
3) Pyridine	3.723	79	1265501	39.076	ng	96
4) n-Nitrosodimethylamine	3.623	42	621168	41.142	ng	94
6) Aniline	7.169	93	1735247	35.754	ng	99
8) 2-Chlorophenol	7.411	128	1529899	48.364	ng	97
9) Benzaldehyde	6.981	77	881142	39.168	ng	98
10) Phenol	7.040	94	1875951	47.560	ng	98
11) bis(2-Chloroethyl)ether	7.269	93	1376341	43.571	ng	98
12) 1,3-Dichlorobenzene	7.740	146	1664239	43.267	ng	98
13) 1,4-Dichlorobenzene	7.881	146	1688340	42.987	ng	99
14) 1,2-Dichlorobenzene	8.199	146	1629704	43.341	ng	99
15) Benzyl Alcohol	8.081	79	1243011	46.649	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.375	45	1935814	41.604	ng	98
17) 2-Methylphenol	8.287	107	1212327	47.389	ng	98
18) Hexachloroethane	8.928	117	595451	43.108	ng	98
19) n-Nitroso-di-n-propyla...	8.652	70	1038896	45.347	ng	95
20) 3+4-Methylphenols	8.610	107	1642016	47.812	ng	98
22) Acetophenone	8.663	105	2120698	43.537	ng	98
24) Nitrobenzene	9.046	77	1509739	44.305	ng	97
25) Isophorone	9.575	82	2814614	45.423	ng	99
26) 2-Nitrophenol	9.752	139	783921	56.446	ng	96
27) 2,4-Dimethylphenol	9.816	122	1430792	48.416	ng	96
28) bis(2-Chloroethoxy)met...	10.052	93	1838156	44.768	ng	99
29) 2,4-Dichlorophenol	10.287	162	1541348	50.768	ng	98
30) 1,2,4-Trichlorobenzene	10.504	180	1645152	45.296	ng	99
31) Naphthalene	10.693	128	4347399	43.933	ng	99
32) Benzoic acid	9.946	122	1030936	55.734	ng	98
33) 4-Chloroaniline	10.793	127	1069433	25.564	ng	99
34) Hexachlorobutadiene	10.987	225	993212	44.805	ng	98
35) Caprolactam	11.575	113	440167m	53.108	ng	
36) 4-Chloro-3-methylphenol	11.922	107	1449850	51.138	ng	97
37) 2-Methylnaphthalene	12.298	142	2906964	46.526	ng	98
38) 1-Methylnaphthalene	12.522	142	3047148	46.083	ng	100
40) 1,2,4,5-Tetrachloroben...	12.669	216	1909685	45.724	ng	100
41) Hexachlorocyclopentadiene	12.657	237	2610418	97.780	ng	99
43) 2,4,6-Trichlorophenol	12.910	196	1309524	50.938	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168885BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.981	196	1450386	51.658	ng		96
46) 1,1'-Biphenyl	13.310	154	4317725	44.311	ng		99
47) 2-Chloronaphthalene	13.351	162	3405944	43.840	ng		99
48) 2-Nitroaniline	13.545	65	887681	51.189	ng		95
49) Acenaphthylene	14.198	152	5316054	45.277	ng		99
50) Dimethylphthalate	13.934	163	4214908	46.615	ng		100
51) 2,6-Dinitrotoluene	14.045	165	898217	51.738	ng		93
52) Acenaphthene	14.539	154	3220488	43.143	ng		99
53) 3-Nitroaniline	14.369	138	652608	35.347	ng		98
54) 2,4-Dinitrophenol	14.575	184	1152712	117.097	ng	#	82
55) Dibenzofuran	14.875	168	5125414	44.563	ng		99
56) 4-Nitrophenol	14.681	139	1695556	106.789	ng		90
57) 2,4-Dinitrotoluene	14.828	165	1281292	49.227	ng		95
58) Fluorene	15.522	166	4307700	45.471	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.098	232	1239852	52.459	ng		96
60) Diethylphthalate	15.292	149	4040195	46.776	ng		100
61) 4-Chlorophenyl-phenyle...	15.516	204	2278500	45.997	ng		97
62) 4-Nitroaniline	15.528	138	963365	45.527	ng		98
63) Azobenzene	15.804	77	3527371	44.475	ng		99
65) 4,6-Dinitro-2-methylph...	15.586	198	751112	53.277	ng		92
66) n-Nitrosodiphenylamine	15.728	169	3739335	46.260	ng		100
67) 4-Bromophenyl-phenylether	16.404	248	1362817	47.884	ng		98
68) Hexachlorobenzene	16.522	284	1607982	47.836	ng		96
69) Atrazine	16.675	200	1344545	50.656	ng		99
70) Pentachlorophenol	16.863	266	2322182	110.974	ng		99
71) Phenanthrene	17.251	178	6673853	45.657	ng		100
72) Anthracene	17.339	178	6792935	46.687	ng		100
73) Carbazole	17.604	167	6198421	47.082	ng		99
74) Di-n-butylphthalate	18.175	149	7010527	48.651	ng		99
75) Fluoranthene	19.257	202	7831040	49.281	ng		99
77) Benzidine	19.439	184	4729264	67.729	ng		100
78) Pyrene	19.622	202	8190535	46.715	ng		100
80) Butylbenzylphthalate	20.516	149	3188686	55.157	ng		97
81) Benzo(a)anthracene	21.416	228	8453985	47.395	ng		99
82) 3,3'-Dichlorobenzidine	21.339	252	2023008	33.631	ng		99
83) Chrysene	21.480	228	7878393	46.827	ng		100
84) Bis(2-ethylhexyl)phtha...	21.345	149	4719847	51.429	ng		97
85) Di-n-octyl phthalate	22.486	149	8099632	56.350	ng		97
87) Indeno(1,2,3-cd)pyrene	27.886	276	10292650	49.702	ng		99
88) Benzo(b)fluoranthene	23.504	252	8457217	47.206	ng		99
89) Benzo(k)fluoranthene	23.568	252	8421352	45.301	ng		100
90) Benzo(a)pyrene	24.321	252	8126766	48.457	ng		99
91) Dibenzo(a,h)anthracene	27.944	278	8579014	49.191	ng		99
92) Benzo(g,h,i)perylene	28.950	276	8216926	49.851	ng		98

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

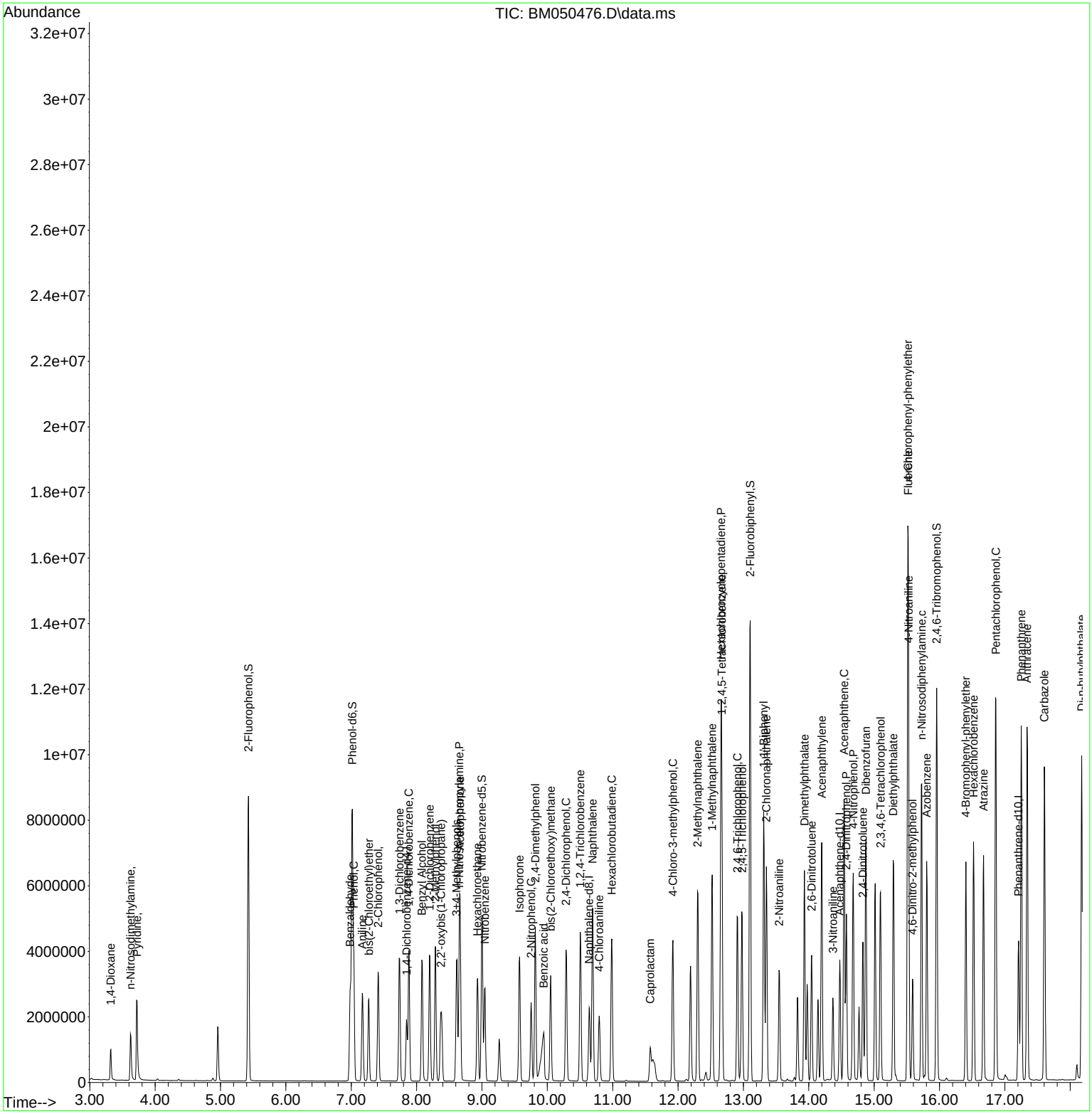
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168885BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



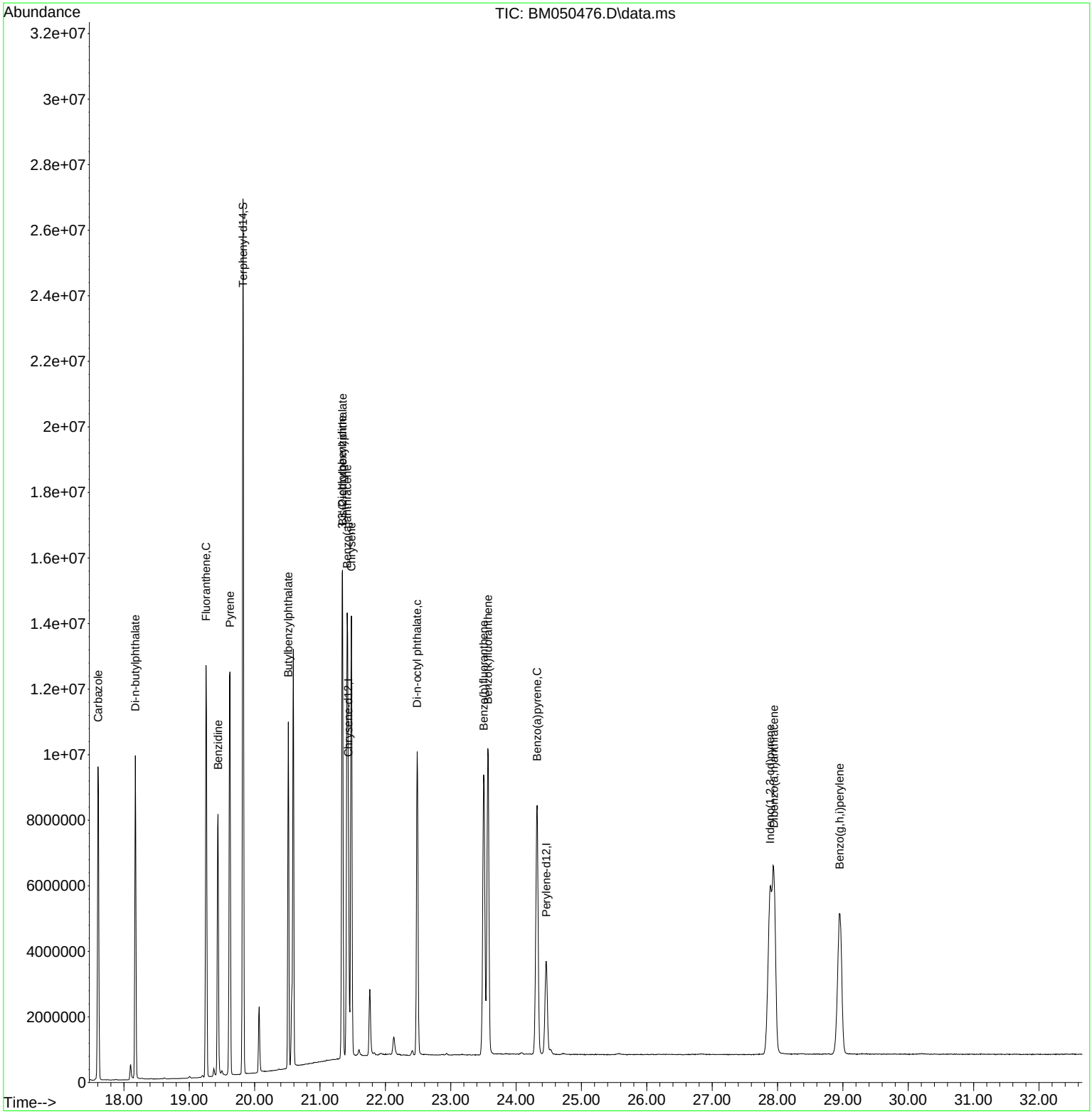
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071725\
Data File : BM050476.D
Acq On : 17 Jul 2025 15:57
Operator : RC/JU
Sample : PB168885BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 16:34:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 16:20:15 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
PB168885BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



Raw Data: **BF143122.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/11/25
Project:	Kingsland Point Park Water Main	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MS	SDG No.:	Q2600
Lab Sample ID:	Q2592-02MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143122.D	1	07/16/25 10:14	07/16/25 22:09	PB168885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	290		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	390		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	390		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	390		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	440		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	430		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	460		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	430		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	750		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	99.9		23 - 138	67%	SPK: 150
13127-88-3	Phenol-d6	95.0		10 - 134	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.6		67 - 132	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.4		52 - 132	68%	SPK: 100
118-79-6	2,4,6-Tribromophenol	126		44 - 137	84%	SPK: 150
1718-51-0	Terphenyl-d14	69.6		42 - 152	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.969			
1146-65-2	Naphthalene-d8	557000	8.245			
15067-26-2	Acenaphthene-d10	280000	10.004			
1517-22-2	Phenanthrene-d10	442000	11.492			
1719-03-5	Chrysene-d12	237000	14.127			
1520-96-3	Perylene-d12	284000	15.633			

Raw Data: **BF143122.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/11/25
Project:	Kingsland Point Park Water Main	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MS	SDG No.:	Q2600
Lab Sample ID:	Q2592-02MS	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143122.D	1	07/16/25 10:14	07/16/25 22:09	PB168885

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_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	147018	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	556657	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	279575	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	442443	20.000	ng	0.00
76) Chrysene-d12	14.127	240	237238	20.000	ng	0.00
86) Perylene-d12	15.633	264	283551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	929786	99.920	ng	0.02
7) Phenol-d6	6.586	99	1110845	94.970	ng	0.00
23) Nitrobenzene-d5	7.522	82	799375	80.558	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	314839	126.298	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1438701	68.405	ng	0.00
79) Terphenyl-d14	13.074	244	1130292	69.646	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.034	88	152658	32.957	ng	# 89
3) Pyridine	3.716	79	345508	29.456	ng	99
4) n-Nitrosodimethylamine	3.651	42	218794	36.003	ng	99
6) Aniline	6.628	93	233504	14.176	ng	99
8) 2-Chlorophenol	6.751	128	367790	39.339	ng	100
9) Benzaldehyde	6.516	77	184618	20.714	ng	99
10) Phenol	6.604	94	447469	35.338	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	371882	37.937	ng	99
12) 1,3-Dichlorobenzene	6.910	146	374742	35.480	ng	99
13) 1,4-Dichlorobenzene	6.986	146	379205	35.686	ng	100
14) 1,2-Dichlorobenzene	7.139	146	367410	36.258	ng	100
15) Benzyl Alcohol	7.098	79	356998	41.191	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.239	45	669145	37.031	ng	99
17) 2-Methylphenol	7.210	107	318220	39.442	ng	99
18) Hexachloroethane	7.486	117	128982	37.286	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	284422	39.690	ng	99
20) 3+4-Methylphenols	7.363	107	384937	38.905	ng	92
22) Acetophenone	7.369	105	517043	38.531	ng	94
24) Nitrobenzene	7.545	77	408070	42.599	ng	97
25) Isophorone	7.781	82	781406	40.742	ng	99
26) 2-Nitrophenol	7.857	139	167379	44.075	ng	98
27) 2,4-Dimethylphenol	7.892	122	365844	41.098	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	475295	40.866	ng	99
29) 2,4-Dichlorophenol	8.098	162	309908	42.554	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	318849	38.578	ng	99
31) Naphthalene	8.269	128	1074621	38.875	ng	100
33) 4-Chloroaniline	8.304	127	61328	5.517	ng	99
34) Hexachlorobutadiene	8.392	225	192967	39.039	ng	99
35) Caprolactam	8.663	113	80291m	35.306	ng	
36) 4-Chloro-3-methylphenol	8.786	107	340734	42.002	ng	100
37) 2-Methylnaphthalene	8.963	142	671479	40.718	ng	99
38) 1-Methylnaphthalene	9.063	142	688897	40.277	ng	100
40) 1,2,4,5-Tetrachloroben...	9.127	216	318144	39.048	ng	99
41) Hexachlorocyclopentadiene	9.122	237	357351	79.110	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	222112	43.874	ng	99
44) 2,4,5-Trichlorophenol	9.275	196	229401	43.216	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	1,1'-Biphenyl	9.422	154	899008	40.322	ng		99
47)	2-Chloronaphthalene	9.451	162	655257	40.006	ng		99
48)	2-Nitroaniline	9.533	65	211327	43.531	ng		99
49)	Acenaphthylene	9.869	152	1124808	41.213	ng		100
50)	Dimethylphthalate	9.722	163	771833	43.883	ng		100
51)	2,6-Dinitrotoluene	9.780	165	157757	45.543	ng		90
52)	Acenaphthene	10.039	154	647980	40.233	ng		99
53)	3-Nitroaniline	9.945	138	90479	23.807	ng		98
54)	2,4-Dinitrophenol	10.045	184	24192	26.899	ng	#	1
55)	Dibenzofuran	10.210	168	979540	40.804	ng		99
56)	4-Nitrophenol	10.098	139	229295	75.913	ng		95
57)	2,4-Dinitrotoluene	10.180	165	200358	46.293	ng		99
58)	Fluorene	10.551	166	727865	40.441	ng		99
59)	2,3,4,6-Tetrachlorophenol	10.322	232	185838	44.054	ng		99
60)	Diethylphthalate	10.422	149	727950	42.899	ng		99
61)	4-Chlorophenyl-phenyle...	10.545	204	357337	41.424	ng		99
62)	4-Nitroaniline	10.557	138	148386	44.897	ng		100
63)	Azobenzene	10.704	77	789208	42.054	ng		99
65)	4,6-Dinitro-2-methylph...	10.586	198	31475	24.093	ng		96
66)	n-Nitrosodiphenylamine	10.657	169	657305	42.294	ng		98
67)	4-Bromophenyl-phenylether	11.033	248	217241	43.176	ng		98
68)	Hexachlorobenzene	11.104	284	227007	42.521	ng		98
69)	Atrazine	11.180	200	182643	45.934	ng		98
70)	Pentachlorophenol	11.292	266	219946	75.092	ng		98
71)	Phenanthrene	11.516	178	994655	41.656	ng		99
72)	Anthracene	11.569	178	1004134	41.818	ng		100
73)	Carbazole	11.716	167	889232	41.337	ng		100
74)	Di-n-butylphthalate	12.051	149	945553	47.886	ng		100
75)	Fluoranthene	12.704	202	914970	42.142	ng		99
77)	Benzidine	12.816	184	152530	18.872	ng		99
78)	Pyrene	12.933	202	910638	41.371	ng		100
80)	Butylbenzylphthalate	13.545	149	215653	48.710	ng		97
81)	Benzo(a)anthracene	14.121	228	695070	43.967	ng		100
82)	3,3'-Dichlorobenzidine	14.074	252	65861	14.346	ng		100
83)	Chrysene	14.157	228	618809	42.501	ng		99
84)	Bis(2-ethylhexyl)phtha...	14.110	149	310803	46.699	ng		99
85)	Di-n-octyl phthalate	14.727	149	608309	48.177	ng		98
87)	Indeno(1,2,3-cd)pyrene	17.180	276	915260	43.399	ng		99
88)	Benzo(b)fluoranthene	15.192	252	700576	42.833	ng		99
89)	Benzo(k)fluoranthene	15.221	252	711413	45.593	ng		100
90)	Benzo(a)pyrene	15.574	252	698480	45.154	ng		99
91)	Dibenzo(a,h)anthracene	17.198	278	737065	42.753	ng		99
92)	Benzo(g,h,i)perylene	17.645	276	735081	41.822	ng		99

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

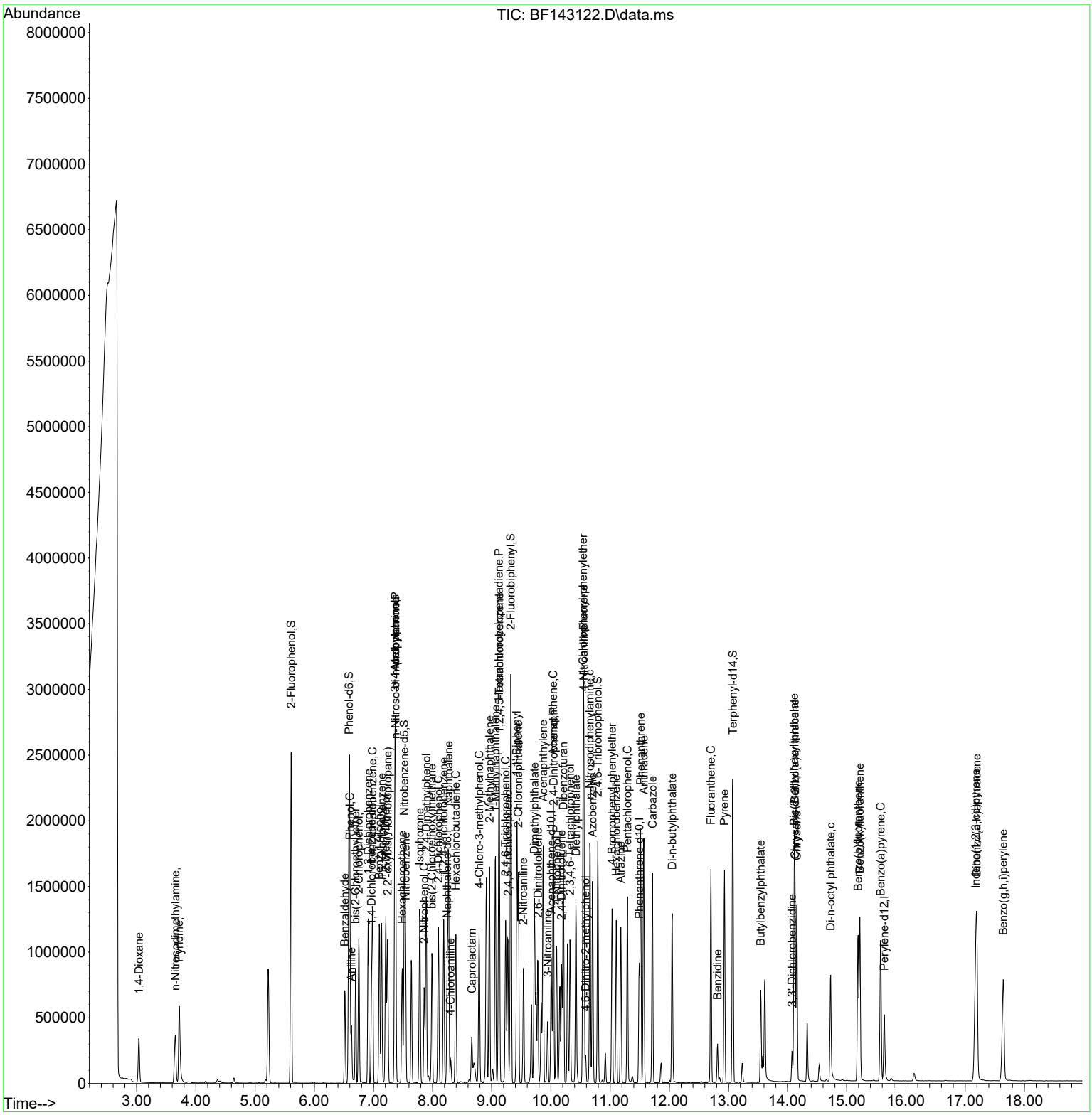
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143122.D
Acq On : 16 Jul 2025 22:09
Operator : RC/JU
Sample : Q2592-02MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 03:45:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



Raw Data: **BF143123.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/11/25
Project:	Kingsland Point Park Water Main	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MSD	SDG No.:	Q2600
Lab Sample ID:	Q2592-02MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143123.D	1	07/16/25 10:14	07/16/25 22:38	PB168885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	290		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	360		5.30	50.0	ug/L
95-48-7	2-Methylphenol	400		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.0	100	ug/L
67-72-1	Hexachloroethane	380		6.50	50.0	ug/L
98-95-3	Nitrobenzene	430		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	390		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	440		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	430		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	470		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	440		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	710		15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	100		23 - 138	67%	SPK: 150
13127-88-3	Phenol-d6	96.3		10 - 134	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.6		67 - 132	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.6		52 - 132	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		44 - 137	85%	SPK: 150
1718-51-0	Terphenyl-d14	68.7		42 - 152	69%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.969			
1146-65-2	Naphthalene-d8	590000	8.245			
15067-26-2	Acenaphthene-d10	297000	10.004			
1517-22-2	Phenanthrene-d10	462000	11.492			
1719-03-5	Chrysene-d12	243000	14.127			
1520-96-3	Perylene-d12	288000	15.633			

Raw Data: **BF143123.D**

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

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/11/25
Project:	Kingsland Point Park Water Main	Date Received:	07/11/25
Client Sample ID:	WC-SOIL-20250711MSD	SDG No.:	Q2600
Lab Sample ID:	Q2592-02MSD	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 :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143123.D	1	07/16/25 10:14	07/16/25 22:38	PB168885

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: **BF143123.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
07/17/2025
Supervised By :Jagrut Upadhyay
07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	155046	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	589623	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	296871	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	461806	20.000	ng		0.00
76) Chrysene-d12	14.127	240	242870	20.000	ng		0.00
86) Perylene-d12	15.633	264	288284	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	985165	100.389	ng		0.02
7) Phenol-d6	6.587	99	1187920	96.301	ng		0.00
23) Nitrobenzene-d5	7.522	82	868402	82.622	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	335959	126.918	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1531577	68.578	ng		0.00
79) Terphenyl-d14	13.074	244	1141518	68.707	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.051	88	158532	32.453	ng	#	88
3) Pyridine	3.746	79	359677	29.076	ng		99
4) n-Nitrosodimethylamine	3.657	42	235146	36.690	ng		99
6) Aniline	6.628	93	248322	14.295	ng		99
8) 2-Chlorophenol	6.751	128	399351	40.503	ng		98
9) Benzaldehyde	6.516	77	208065	22.136	ng		99
10) Phenol	6.604	94	474280	35.516	ng		100
11) bis(2-Chloroethyl)ether	6.698	93	401788	38.865	ng		100
12) 1,3-Dichlorobenzene	6.910	146	401439	36.039	ng		99
13) 1,4-Dichlorobenzene	6.986	146	403710	36.025	ng		99
14) 1,2-Dichlorobenzene	7.139	146	390356	36.527	ng		100
15) Benzyl Alcohol	7.098	79	377846	41.339	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	712236	37.375	ng		99
17) 2-Methylphenol	7.210	107	341828	40.174	ng		99
18) Hexachloroethane	7.486	117	140139	38.414	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	303492	40.159	ng		99
20) 3+4-Methylphenols	7.363	107	420120	40.262	ng		97
22) Acetophenone	7.369	105	555372	39.074	ng	#	93
24) Nitrobenzene	7.545	77	436738	43.043	ng		99
25) Isophorone	7.781	82	836111	41.156	ng		99
26) 2-Nitrophenol	7.857	139	183091	45.388	ng		97
27) 2,4-Dimethylphenol	7.892	122	393628	41.746	ng		99
28) bis(2-Chloroethoxy)met...	7.992	93	511274	41.502	ng		99
29) 2,4-Dichlorophenol	8.098	162	331282	42.946	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	342733	39.150	ng		98
31) Naphthalene	8.269	128	1148259	39.217	ng		100
33) 4-Chloroaniline	8.310	127	45970	3.904	ng		98
34) Hexachlorobutadiene	8.392	225	205545	39.259	ng		99
35) Caprolactam	8.663	113	86853m	36.057	ng		
36) 4-Chloro-3-methylphenol	8.786	107	366909	42.700	ng		98
37) 2-Methylnaphthalene	8.963	142	713317	40.837	ng		100
38) 1-Methylnaphthalene	9.063	142	735969	40.624	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	345751	39.964	ng		99
41) Hexachlorocyclopentadiene	9.122	237	383185	79.887	ng		98
43) 2,4,6-Trichlorophenol	9.233	196	237559	44.192	ng		98
44) 2,4,5-Trichlorophenol	9.275	196	243096	43.128	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
07/17/2025
Supervised By :Jagrut Upadhyay
07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.428	154	957169	40.430	ng		99
47) 2-Chloronaphthalene	9.451	162	694587	39.937	ng		99
48) 2-Nitroaniline	9.539	65	227895	44.159	ng		96
49) Acenaphthylene	9.869	152	1183859	40.849	ng		99
50) Dimethylphthalate	9.722	163	822343	44.031	ng		100
51) 2,6-Dinitrotoluene	9.780	165	167499	45.539	ng		91
52) Acenaphthene	10.039	154	682900	39.930	ng		100
53) 3-Nitroaniline	9.945	138	97193	24.084	ng		99
54) 2,4-Dinitrophenol	10.045	184	22054	24.116	ng	#	1
55) Dibenzofuran	10.210	168	1040598	40.822	ng		99
56) 4-Nitrophenol	10.098	139	226579	70.644	ng		97
57) 2,4-Dinitrotoluene	10.180	165	214229	46.591	ng		99
58) Fluorene	10.557	166	764679	40.011	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.327	232	199674	44.577	ng		98
60) Diethylphthalate	10.422	149	771529	42.818	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	381957	41.698	ng		99
62) 4-Nitroaniline	10.557	138	152045	43.324	ng		98
63) Azobenzene	10.704	77	841015	42.203	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	29165	22.144	ng		98
66) n-Nitrosodiphenylamine	10.663	169	682136	42.051	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	230049	43.804	ng		98
68) Hexachlorobenzene	11.104	284	243166	43.638	ng		97
69) Atrazine	11.180	200	192588	46.405	ng		96
70) Pentachlorophenol	11.292	266	218021	71.314	ng		99
71) Phenanthrene	11.516	178	1028670	41.274	ng		100
72) Anthracene	11.569	178	1040808	41.528	ng		99
73) Carbazole	11.716	167	918194	40.894	ng		100
74) Di-n-butylphthalate	12.051	149	973531	47.235	ng		100
75) Fluoranthene	12.704	202	940517	41.503	ng		99
77) Benzidine	12.816	184	133752	16.165	ng		99
78) Pyrene	12.933	202	913146	40.522	ng		99
80) Butylbenzylphthalate	13.545	149	226545	49.895	ng		98
81) Benzo(a)anthracene	14.121	228	700338	43.273	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	72202	15.363	ng		99
83) Chrysene	14.157	228	626869	42.056	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	344266	50.248	ng		100
85) Di-n-octyl phthalate	14.727	149	680638	52.034	ng		98
87) Indeno(1,2,3-cd)pyrene	17.180	276	928932	43.324	ng		99
88) Benzo(b)fluoranthene	15.192	252	707624	42.554	ng		99
89) Benzo(k)fluoranthene	15.221	252	722763	45.560	ng		100
90) Benzo(a)pyrene	15.574	252	704754	44.811	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	764803	43.634	ng		99
92) Benzo(g,h,i)perylene	17.645	276	746877	41.795	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143123.D
Acq On : 16 Jul 2025 22:38
Operator : RC/JU
Sample : Q2592-02MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 17 03:46:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

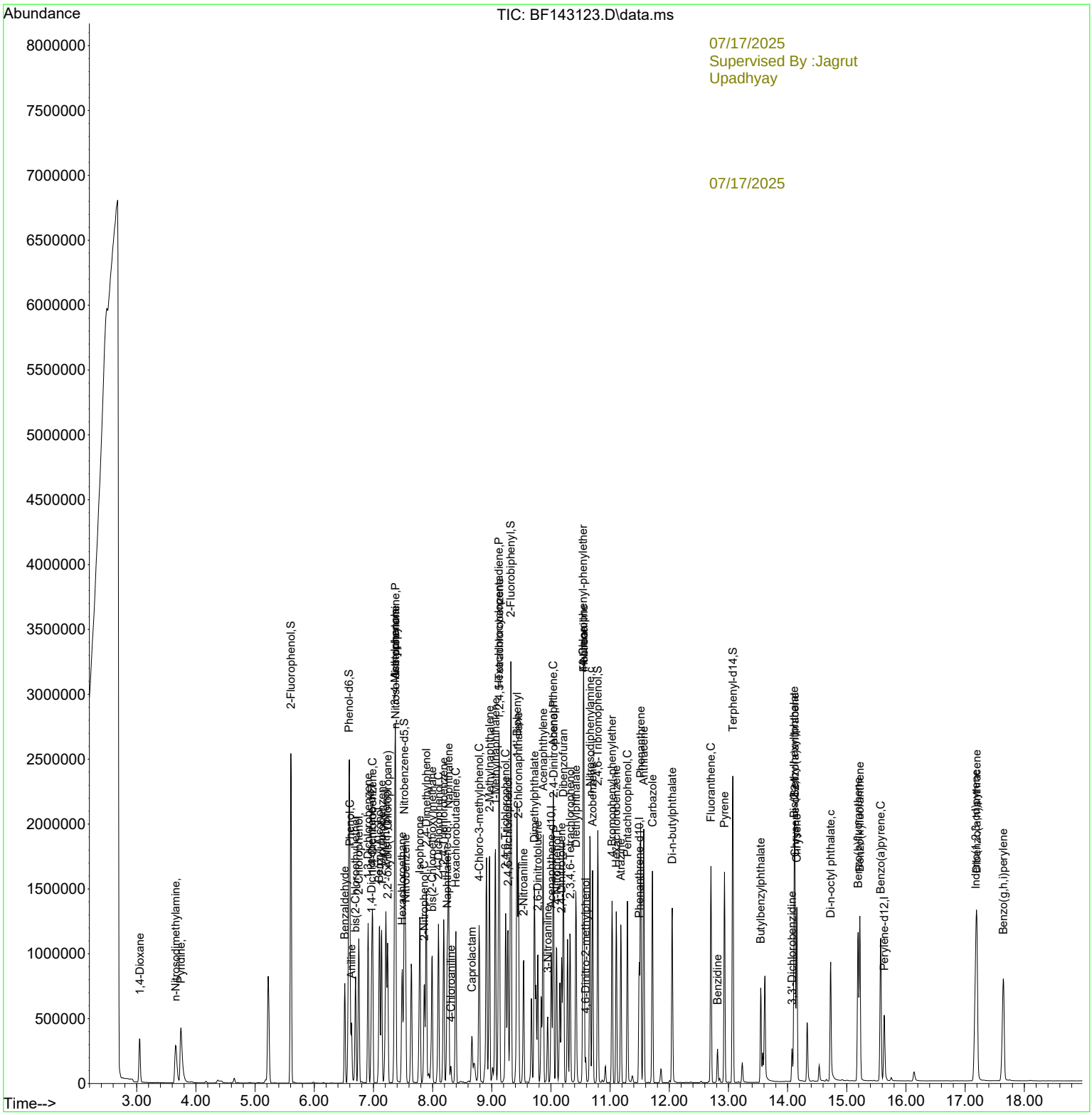
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

07/17/2025
Supervised By :Jagrut Upadhyay

07/17/2025



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

Manual Integration Report

Sequence:	BF071525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143094.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:26 AM	Jagrut	7/16/2025 1:40:56 PM	Peak Integrated by Software
SSTDICC010	BF143095.D	Benzoic acid	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDICC010	BF143095.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Benzoic acid	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Phenol	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Benzoic acid	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Phenol	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICC050	BF143098.D	Phenol	Rahul	7/16/2025 11:43:36 AM	Jagrut	7/16/2025 1:41:06 PM	Peak Integrated by Software
SSTDICC060	BF143099.D	Benzoic acid	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDICC060	BF143099.D	Phenol	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDICC080	BF143100.D	Phenol	Rahul	7/16/2025 11:43:42 AM	Jagrut	7/16/2025 1:41:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF071525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BF143101.D	Benzoic acid	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Phenol	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf071625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143115.D	Benzoic acid	Rahul	7/17/2025 10:01:35 AM	Jagrut	7/17/2025 11:19:12 AM	Peak Integrated by Software
Q2592-02MS	BF143122.D	Caprolactam	Rahul	7/17/2025 10:01:40 AM	Jagrut	7/17/2025 11:19:18 AM	Peak Integrated by Software
Q2592-02MSD	BF143123.D	Caprolactam	Rahul	7/17/2025 10:01:42 AM	Jagrut	7/17/2025 11:19:20 AM	Peak Integrated by Software
Q2600-10	BF143126.D	Benzoic acid	Rahul	7/17/2025 10:01:45 AM	Jagrut	7/17/2025 11:19:22 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BM070925	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC010	BM050379.D	Benzaldehyde	Rahul	7/9/2025 9:47:39 AM	Jagrut	7/9/2025 2:15:18 PM	Peak Integrated by Software
SSTDICC020	BM050380.D	Benzaldehyde	Rahul	7/9/2025 9:47:42 AM	Jagrut	7/9/2025 2:15:21 PM	Peak Integrated by Software
SSTDICCC040	BM050381.D	Benzaldehyde	Rahul	7/9/2025 9:47:45 AM	Jagrut	7/9/2025 2:15:23 PM	Peak Integrated by Software
SSTDICC050	BM050382.D	Benzaldehyde	Rahul	7/9/2025 9:47:47 AM	Jagrut	7/9/2025 2:15:25 PM	Peak Integrated by Software
SSTDICV040	BM050385.D	Benzaldehyde	Rahul	7/9/2025 9:47:50 AM	Jagrut	7/9/2025 2:15:28 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BM071725	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM050474.D	Acenaphthene	Rahul	7/18/2025 11:02:25 AM	Jagrut	7/18/2025 1:29:29 PM	Peak Integrated by Software
PB168885BS	BM050476.D	Caprolactam	Rahul	7/18/2025 11:02:29 AM	Jagrut	7/18/2025 1:29:31 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM		
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM		
SubDirectory	BF071525	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143092.D	15 Jul 2025 12:35	RC/JU	Ok
2	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04	RC/JU	Ok
3	SSTDICC005	BF143094.D	15 Jul 2025 13:35	RC/JU	Ok,M
4	SSTDICC010	BF143095.D	15 Jul 2025 14:05	RC/JU	Ok,M
5	SSTDICC020	BF143096.D	15 Jul 2025 14:36	RC/JU	Ok,M
6	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	RC/JU	Ok,M
7	SSTDICC050	BF143098.D	15 Jul 2025 15:35	RC/JU	Ok,M
8	SSTDICC060	BF143099.D	15 Jul 2025 16:05	RC/JU	Ok,M
9	SSTDICC080	BF143100.D	15 Jul 2025 16:35	RC/JU	Ok,M
10	SSTDICV040	BF143101.D	15 Jul 2025 17:27	RC/JU	Ok,M
11	PB168737BL	BF143102.D	15 Jul 2025 17:57	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM				
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM				
SubDirectory	BF071625	HP Acquire Method	BNA_F		HP Processing Method	Bf071525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143103.D	16 Jul 2025 09:06	RC/JU	Ok
2	SSTDCCC040	BF143104.D	16 Jul 2025 10:04	RC/JU	Ok
3	PB168787BL	BF143105.D	16 Jul 2025 10:34	RC/JU	Ok
4	Q2126-02	BF143106.D	16 Jul 2025 11:03	RC/JU	Ok
5	Q2126-02	BF143107.D	16 Jul 2025 11:37	RC/JU	Ok
6	Q2126-08	BF143108.D	16 Jul 2025 12:07	RC/JU	Ok
7	Q2126-08	BF143109.D	16 Jul 2025 12:36	RC/JU	Ok
8	Q2126-01	BF143110.D	16 Jul 2025 13:05	RC/JU	Ok
9	Q2126-01	BF143111.D	16 Jul 2025 13:35	RC/JU	Ok
10	Q2126-07	BF143112.D	16 Jul 2025 14:05	RC/JU	Ok
11	Q2126-07	BF143113.D	16 Jul 2025 14:35	RC/JU	Ok
12	PB168802BL	BF143114.D	16 Jul 2025 15:13	RC/JU	Ok
13	SSTDCCC040	BF143115.D	16 Jul 2025 15:45	RC/JU	Ok,M
14	DFTPP	BF143116.D	16 Jul 2025 19:09	RC/JU	Ok
15	SSTDCCC040	BF143117.D	16 Jul 2025 19:39	RC/JU	Ok
16	PB168854BL	BF143118.D	16 Jul 2025 20:09	RC/JU	Ok
17	PB168854BS	BF143119.D	16 Jul 2025 20:39	RC/JU	Ok,M
18	PB168847TB	BF143120.D	16 Jul 2025 21:09	RC/JU	Ok
19	Q2592-02	BF143121.D	16 Jul 2025 21:39	RC/JU	Ok
20	Q2592-02MS	BF143122.D	16 Jul 2025 22:09	RC/JU	Ok,M
21	Q2592-02MSD	BF143123.D	16 Jul 2025 22:38	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM				
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM				
SubDirectory	BF071625	HP Acquire Method	BNA_F		HP Processing Method	Bf071525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2600-02	BF143124.D	16 Jul 2025 23:08	RC/JU	Ok
23	Q2600-06	BF143125.D	16 Jul 2025 23:37	RC/JU	Ok
24	Q2600-10	BF143126.D	17 Jul 2025 00:07	RC/JU	Ok,M
25	Q2614-06	BF143127.D	17 Jul 2025 00:37	RC/JU	Ok
26	Q2605-03	BF143128.D	17 Jul 2025 01:05	RC/JU	Ok
27	Q2605-04	BF143129.D	17 Jul 2025 01:35	RC/JU	Ok
28	Q2571-05	BF143130.D	17 Jul 2025 02:04	RC/JU	Ok
29	Q2571-05MS	BF143131.D	17 Jul 2025 02:34	RC/JU	Ok
30	Q2571-05MSD	BF143132.D	17 Jul 2025 03:03	RC/JU	Ok
31	Q2555-01	BF143133.D	17 Jul 2025 03:32	RC/JU	Ok,M
32	Q2558-01	BF143134.D	17 Jul 2025 04:02	RC/JU	Ok,M
33	Q2555-03	BF143135.D	17 Jul 2025 04:31	RC/JU	Ok,M
34	Q2558-03	BF143136.D	17 Jul 2025 05:00	RC/JU	Ok,M
35	SSTDCCC040	BF143137.D	17 Jul 2025 05:30	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

Review By	Rahul	Review On	7/9/2025 9:48:51 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:15:39 PM		
SubDirectory	BM070925	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050376.D	08 Jul 2025 11:59	RC/JU	Ok
2	SSTDICC2.5	BM050377.D	08 Jul 2025 12:39	RC/JU	Ok
3	SSTDICC005	BM050378.D	08 Jul 2025 13:19	RC/JU	Ok
4	SSTDICC010	BM050379.D	08 Jul 2025 14:00	RC/JU	Ok,M
5	SSTDICC020	BM050380.D	08 Jul 2025 14:40	RC/JU	Ok,M
6	SSTDICCC040	BM050381.D	08 Jul 2025 15:20	RC/JU	Ok,M
7	SSTDICC050	BM050382.D	08 Jul 2025 16:01	RC/JU	Ok,M
8	SSTDICC060	BM050383.D	08 Jul 2025 16:41	RC/JU	Ok
9	SSTDICC080	BM050384.D	08 Jul 2025 17:22	RC/JU	Ok
10	SSTDICV040	BM050385.D	08 Jul 2025 18:05	RC/JU	Ok,M
11	PB168722BL	BM050386.D	08 Jul 2025 19:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM071725

Review By	Rahul	Review On	7/18/2025 11:07:03 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:29:43 PM		
SubDirectory	BM071725	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050473.D	17 Jul 2025 13:02	RC/JU	Ok
2	SSTDCCC040	BM050474.D	17 Jul 2025 13:42	RC/JU	Ok,M
3	PB168885BL	BM050475.D	17 Jul 2025 14:57	RC/JU	Ok
4	PB168885BS	BM050476.D	17 Jul 2025 15:57	RC/JU	Ok,M
5	Q2605-01	BM050477.D	17 Jul 2025 16:37	RC/JU	Ok,M
6	Q2605-02	BM050478.D	17 Jul 2025 17:17	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM		
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM		
SubDirectory	BF071525	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/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	BF143092.D	15 Jul 2025 12:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143094.D	15 Jul 2025 13:35		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143095.D	15 Jul 2025 14:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143096.D	15 Jul 2025 14:36	Compound#26,32,48,51,57,80,84,85 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	Compound#54,65 Kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143098.D	15 Jul 2025 15:35		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF143099.D	15 Jul 2025 16:05		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF143100.D	15 Jul 2025 16:35		RC/JU	Ok,M
10	SSTDICV040	ICVBF071525	BF143101.D	15 Jul 2025 17:27		RC/JU	Ok,M
11	PB168737BL	PB168737BL	BF143102.D	15 Jul 2025 17:57		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/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	BF143103.D	16 Jul 2025 09:06		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143104.D	16 Jul 2025 10:04		RC/JU	Ok
3	PB168787BL	PB168787BL	BF143105.D	16 Jul 2025 10:34		RC/JU	Ok
4	Q2126-02	LOQ-SOIL-02-QT2-202	BF143106.D	16 Jul 2025 11:03	LOQ-SOIL-5 PPM	RC/JU	Ok
5	Q2126-02	LOQ-SOIL-02-QT2-202	BF143107.D	16 Jul 2025 11:37	LOQ-SOIL-10 PPM	RC/JU	Ok
6	Q2126-08	LOQ-WATER-02-QT2-2	BF143108.D	16 Jul 2025 12:07	LOQ-WATER-5 PPM	RC/JU	Ok
7	Q2126-08	LOQ-WATER-02-QT2-2	BF143109.D	16 Jul 2025 12:36	LOQ-WATER-10 PPM	RC/JU	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	BF143110.D	16 Jul 2025 13:05	LOD-MDL-SOIL-4 PPM	RC/JU	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	BF143111.D	16 Jul 2025 13:35	LOD-MDL-SOIL-8 PPM	RC/JU	Ok
10	Q2126-07	LOD-MDL-WATER-01-(	BF143112.D	16 Jul 2025 14:05	LOD-MDL-WATER-4 PPM	RC/JU	Ok
11	Q2126-07	LOD-MDL-WATER-01-(	BF143113.D	16 Jul 2025 14:35	LOD-MDL-WATER-8 PPM	RC/JU	Ok
12	PB168802BL	PB168802BL	BF143114.D	16 Jul 2025 15:13		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040EC	BF143115.D	16 Jul 2025 15:45		RC/JU	Ok,M
14	DFTPP	DFTPP	BF143116.D	16 Jul 2025 19:09		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF143117.D	16 Jul 2025 19:39		RC/JU	Ok
16	PB168854BL	PB168854BL	BF143118.D	16 Jul 2025 20:09		RC/JU	Ok
17	PB168854BS	PB168854BS	BF143119.D	16 Jul 2025 20:39		RC/JU	Ok,M
18	PB168847TB	PB168847TB	BF143120.D	16 Jul 2025 21:09		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2592-02	WC-SOIL-20250711	BF143121.D	16 Jul 2025 21:39		RC/JU	Ok
20	Q2592-02MS	WC-SOIL-20250711MS	BF143122.D	16 Jul 2025 22:09		RC/JU	Ok,M
21	Q2592-02MSD	WC-SOIL-20250711MS	BF143123.D	16 Jul 2025 22:38		RC/JU	Ok,M
22	Q2600-02	TRENCH	BF143124.D	16 Jul 2025 23:08		RC/JU	Ok
23	Q2600-06	STOCK-PILE	BF143125.D	16 Jul 2025 23:37		RC/JU	Ok
24	Q2600-10	END-OF-TRENCH	BF143126.D	17 Jul 2025 00:07		RC/JU	Ok,M
25	Q2614-06	HR-MCN-COMP-01	BF143127.D	17 Jul 2025 00:37		RC/JU	Ok
26	Q2605-03	VB15061	BF143128.D	17 Jul 2025 01:05		RC/JU	Ok
27	Q2605-04	V897	BF143129.D	17 Jul 2025 01:35		RC/JU	Ok
28	Q2571-05	TP-17	BF143130.D	17 Jul 2025 02:04		RC/JU	Ok
29	Q2571-05MS	TP-17MS	BF143131.D	17 Jul 2025 02:34		RC/JU	Ok
30	Q2571-05MSD	TP-17MSD	BF143132.D	17 Jul 2025 03:03		RC/JU	Ok
31	Q2555-01	OU4-TS-29-070925	BF143133.D	17 Jul 2025 03:32		RC/JU	Ok,M
32	Q2558-01	OU4-TS-Denali-070925	BF143134.D	17 Jul 2025 04:02		RC/JU	Ok,M
33	Q2555-03	OU4-TS-30-070925	BF143135.D	17 Jul 2025 04:31		RC/JU	Ok,M
34	Q2558-03	OU4-TS-Grillo-OG-070	BF143136.D	17 Jul 2025 05:00		RC/JU	Ok,M
35	SSTDCCC040	SSTDCCC040EC	BF143137.D	17 Jul 2025 05:30		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM070925

Review By	Rahul	Review On	7/9/2025 9:48:51 AM		
Supervise By	Jagrut	Supervise On	7/9/2025 2:15:39 PM		
SubDirectory	BM070925	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12673,10ul/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	BM050376.D	08 Jul 2025 11:59		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050377.D	08 Jul 2025 12:39		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050378.D	08 Jul 2025 13:19		RC/JU	Ok
4	SSTDICC010	SSTDICC010	BM050379.D	08 Jul 2025 14:00		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050380.D	08 Jul 2025 14:40		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050381.D	08 Jul 2025 15:20	Compound#32,54,57,62,65 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BM050382.D	08 Jul 2025 16:01		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BM050383.D	08 Jul 2025 16:41		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050384.D	08 Jul 2025 17:22	Compound#09 removed from 80 ppm	RC/JU	Ok
10	SSTDICV040	ICVBM070925	BM050385.D	08 Jul 2025 18:05	Comp#77 Failed from High side	RC/JU	Ok,M
11	PB168722BL	PB168722BL	BM050386.D	08 Jul 2025 19:26		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM071725

Review By	Rahul	Review On	7/18/2025 11:07:03 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:29:43 PM		
SubDirectory	BM071725	HP Acquire Method	BNA_M	HP Processing Method	bm070925

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/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	BM050473.D	17 Jul 2025 13:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050474.D	17 Jul 2025 13:42		RC/JU	Ok,M
3	PB168885BL	PB168885BL	BM050475.D	17 Jul 2025 14:57		RC/JU	Ok
4	PB168885BS	PB168885BS	BM050476.D	17 Jul 2025 15:57		RC/JU	Ok,M
5	Q2605-01	V908	BM050477.D	17 Jul 2025 16:37		RC/JU	Ok,M
6	Q2605-02	VB16135	BM050478.D	17 Jul 2025 17:17		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168847

SOP ID : M1311-TCLP-16

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 : 07/15/2025 **Time :** 15:30

End Prep Date : 07/16/2025 **Time :** 08:15

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 18

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °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	WP112804
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. Particle size reduction is not required. Q2614-06 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/16/25 10:00	JP Tech Room	SLG. RJ / T.T.
	Preparation Group	**Analysis Group** INST ORG.

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168847

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
PB168847TB	LEB847	12	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-2
Q2592-02	WC-SOIL-20250711	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2600-02	TRENCH	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2600-06	STOCK-PILE	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2600-10	END-OF-TRENCH	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2605-01	V908	05	100.02	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-02	VB16135	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2605-03	VB15061	07	100.03	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-04	V897	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2609-02	710-ABC	09	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2609-06	709-AB	10	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2614-06	HR-MCN-COMP-01	11	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168847TB	LEB847	N/A	N/A	N/A	N/A	N/A	N/A
Q2592-02	WC-SOIL-20250711	N/A	N/A	N/A	N/A	100	N/A
Q2600-02	TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2600-06	STOCK-PILE	N/A	N/A	N/A	N/A	100	N/A
Q2600-10	END-OF-TRENCH	N/A	N/A	N/A	N/A	100	N/A
Q2605-01	V908	N/A	N/A	N/A	N/A	100	N/A
Q2605-02	VB16135	N/A	N/A	N/A	N/A	100	N/A
Q2605-03	VB15061	N/A	N/A	N/A	N/A	100	N/A
Q2605-04	V897	N/A	N/A	N/A	N/A	100	N/A
Q2609-02	710-ABC	N/A	N/A	N/A	N/A	100	N/A
Q2609-06	709-AB	N/A	N/A	N/A	N/A	100	N/A
Q2614-06	HR-MCN-COMP-01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB168847

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
PB168847TB	LEB847	N/A	N/A	N/A	N/A	#1	4.95
Q2592-02	WC-SOIL-20250711	5.02	96.5	7.0	2.5	#1	4.95
Q2600-02	TRENCH	5.01	96.5	7.6	2.5	#1	4.95
Q2600-06	STOCK-PILE	5.02	96.5	7.6	2.5	#1	4.95
Q2600-10	END-OF-TRENCH	5.03	96.5	7.2	2.0	#1	4.95
Q2605-01	V908	5.02	96.5	8.6	3.5	#1	4.95
Q2605-02	VB16135	5.03	96.5	9.0	4.0	#1	4.95
Q2605-03	VB15061	5.03	96.5	9.0	4.0	#1	4.95
Q2605-04	V897	5.02	96.5	9.3	4.5	#1	4.95
Q2609-02	710-ABC	5.03	96.5	7.2	3.0	#1	4.95
Q2609-06	709-AB	5.02	96.5	6.2	2.5	#1	4.95
Q2614-06	HR-MCN-COMP-01	5.01	96.5	7.6	2.5	#1	4.95

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q2600 **WorkList ID :** 190734 **Department :** TCLP Extraction **Date :** 07-15-2025 11:56:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2592-02	WC-SOIL-20250711	Solid	TCLP Extraction	Cool 4 deg C	PARS02	D51	07/11/2025	1311
Q2600-02	TRENCH	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2600-06	STOCK-PILE	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2600-10	END-OF-TRENCH	Solid	TCLP Extraction	Cool 4 deg C	TACO01	D41	07/14/2025	1311
Q2605-01	V908	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-02	VB16135	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-03	VB15061	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2605-04	V897	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2609-02	710-ABC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2609-06	709-ABC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311
Q2614-06	HR-MCN-COMP-01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	D41	07/15/2025	1311

Date/Time 07.15.25 15:20

Raw Sample Received by: JB WPC

Raw Sample Relinquished by: SM

Date/Time 07.15.25 17:30

Raw Sample Received by: SM

Raw Sample Relinquished by: JB WPC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168885

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/16/2025
Matrix :	Water			**Extraction Start Time :**	10:14
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	07/16/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:15
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	SP6849
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	E3954
Baked Na2SO4	N/A	EP2625
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:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH , 1.5ML Vial Lot # 2210443.

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/16/25	RS (GC4-Lab)	RC/SVOC
15:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168885

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 07/16/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168847TB	PB168847TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB168885BL	PB168885BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB168885BS	PB168885BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q2592-02	WC-SOIL-20250711	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q2592-02MS	WC-SOIL-20250711MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q2592-02MSD	WC-SOIL-20250711MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q2600-02	TRENCH	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q2600-06	STOCK-PILE	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q2600-10	END-OF-TRENCH	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q2605-01	V908	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q2605-02	VB16135	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q2605-03	VB15061	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q2605-04	V897	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q2614-06	HR-MCN-COMP-01	TCLP BNA	100	6	RUPESH	ritesh	1	A		14

RS 7/16

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

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168847

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
PB168847TB	LEB847	12	N/A	2000	N/A	N/A	N/A	4.95	1.5	T-2
Q2592-02	WC-SOIL-20250711	01	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q2600-02	TRENCH	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2600-06	STOCK-PILE	03	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q2600-10	END-OF-TRENCH	04	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q2605-01	V908	05	100.02	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-02	VB16135	06	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q2605-03	VB15061	07	100.03	2000	N/A	N/A	N/A	6.6	1.5	T-1
Q2605-04	V897	08	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-1
Q2609-02	710-ABC	09	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q2609-06	709-AB	10	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-1
Q2614-06	HR-MCN-COMP-01	11	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2

07/16/25
10:00

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. Q2600
COC Number 2047474

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: T&A Construction INC.
ADDRESS: Tarrytown Light-Kingsland Point Path
CITY Sleepy Hollow STATE: NY ZIP: 10591
ATTENTION: Garret Johnson
PHONE: (862) 298-0150 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Kingsland Point Path water main
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

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	2	3	4	5	6	7	8	9
	VOCs	TCLP VOA	EPH, Hex Cr, PH	Ignitability, % Solids	6020	Full TCLP	Cyn, Aqueous, Hot Temp	PCB, Pest, SVOC	

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	Trench	S.	X		7-14	1300	6			X	X	X	X	X	X		
2.	Trench			X		1305	5	X	X								PPM - 65.5
3.	Stock Pile		X			1310	6			X	X	X	X	X	X		
4.	Stock Pile			X		1315	5	X	X								PPM - 82.9
5.	End of Trench		X			1320	6			X	X	X	X	X	X		
6.	End of Trench			X		1325	5	X	X								PPM - 644.3
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	7/14/25 1335	1.
2.		2.
3.	7/14/25 1505	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.9°C °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

CHEMTECH

Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Kingsland Point Park Water Main

Service Order #: —

Work Order #: —

Labor WBS #: —

Facility/Site: —

Site Address: Teaneytown Light - Kingsland Point Park, Sleepy Hollow NY 10591

Chemtech Order ID: _____

Sampler Name: Jorge Negron

Client Project Coordinator & Phone: Garret Johnson (862) 298-0150

Page #: 1 of 1

Date: 7-14-25

Arrive Time: 1230

Depart Time: 1335

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: _____ **Dimensions/CY**: _____

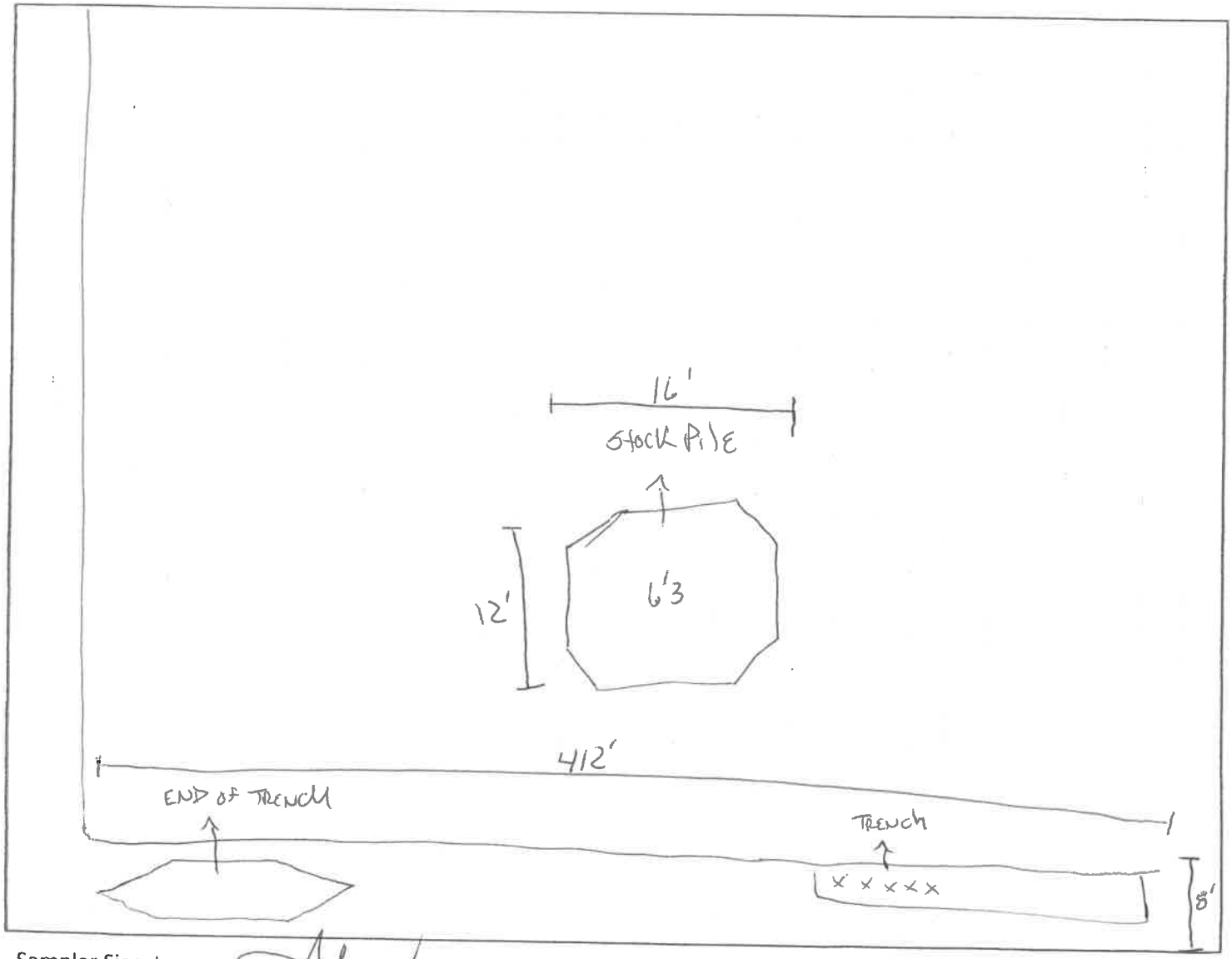
Temp (range): _____ °C **PID Readings (range)**: _____ PPM **Odor**: (Y) / N **Color**: (Y) / N

Sample Description: BLACK Oily Soil (ROCKS PRESENT) VERY STRONG SMELL

Field Observations: SAMPLE ALONG THE TRENCH + STOCK PILE

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: _____

Client Signature: _____

Supervisor Review/Date: _____

Date/Time Arrived at Lab: _____

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2600 TACO01
Client Name : T&A Construction Inc
Client Contact : Garrett Johnson
Invoice Name : T&A Construction Inc
Invoice Contact : Garrett Johnson

Order Date : 7/14/2025 2:21:01 PM
Project Name : Kingsland Point Park Water
Receive DateTime : 7/14/2025 ~~12:00:00 AM~~ 15:05 Pm
Purchase Order :

Project Mgr :
Report Type : Analytical Summary 1
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2600-03	TRENCH	Solid	07/14/2025	13:05					
					VOC-TCLVOA-10		8260D		3 Bus. Days
Q2600-07	STOCK-PILE	Solid	07/14/2025	13:15					
					VOC-TCLVOA-10		8260D		3 Bus. Days
Q2600-11	END-OF-TRENCH	Solid	07/14/2025	13:25					
					VOC-TCLVOA-10		8260D		3 Bus. Days

Relinguished By :
Date / Time : 7/14/25 1540

Received By : JC
Date / Time : 7/14/25 1540

Storage Area : VOA Refridgerator Room