

Cover Page

Order ID : Q1907

Project ID : Walsh CO-032 Sampling

Client : Walsh Construction Company II, LLC

Lab Sample Number

Q1907-01
Q1907-02

Client Sample Number

CO-8R-WC
CO-8R-WC

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

Signature : _____

Date: 5/7/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1907

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 Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 05/07/2025

LAB CHRONICLE

OrderID:	Q1907	OrderDate:	4/28/2025 4:13:00 PM
Client:	Walsh Construction Company II, LLC	Project:	Walsh CO-032 Sampling
Contact:	Jesse A. Sylvestri	Location:	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1907-01	CO-8R-WC	SOIL	SVOC-TCL BNA -20	8270E	04/28/25	04/30/25	05/01/25	04/28/25
Q1907-01DL	CO-8R-WCDL	SOIL	SVOC-TCL BNA -20	8270E	04/28/25	04/30/25	05/05/25	04/28/25
Q1907-02	CO-8R-WC	TCLP	TCLP BNA	8270E	04/28/25	04/30/25	05/02/25	04/28/25
Q1907-02RE	CO-8R-WCRE	TCLP	TCLP BNA	8270E	04/28/25	04/30/25	05/05/25	04/28/25

Hit Summary Sheet SW-846

SDG No.: Q1907
Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : CO-8R-WC								
Q1907-01	CO-8R-WC	SOIL	Naphthalene	630.000	J	130	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	2-Methylnaphthalene	520.000	J	150	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Acenaphthylene	1,000.000		170	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Acenaphthene	2,600.000		130	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Dibenzofuran	1,800.000		130	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Fluorene	2,900.000		150	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Phenanthrene	26,300.000	E	120	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Anthracene	5,700.000		200	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Carbazole	1,800.000		180	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Fluoranthene	25,700.000	E	180	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Pyrene	22,400.000	E	210	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Butylbenzylphthalate	950.000	J	420	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo(a)anthracene	10,200.000		140	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Chrysene	10,000.000		120	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo(b)fluoranthene	11,300.000		110	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo(k)fluoranthene	3,800.000		130	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo(a)pyrene	9,800.000		170	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Indeno(1,2,3-cd)pyrene	5,200.000		170	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Dibenzo(a,h)anthracene	1,600.000		160	1000	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo(g,h,i)perylene	6,500.000		150	1000	ug/Kg
Total Svoc :				150,700.00				
Q1907-01	CO-8R-WC	SOIL	4H-Cyclopenta[def]phenanthrene *	6,300.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	9,10-Anthracenedione *	2,100.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	9,10-Bis(bromomethyl)anthracene *	1,600.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	9H-Fluoren-9-one *	870.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	9H-Fluorene, 2-methyl- *	1,100.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	1H-Cyclopropa[1]phenanthrene, 1a *	1,400.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	1H-Indene, 2-phenyl- *	2,600.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Anthracene, 1,2,3,4-tetrahydro- *	950.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Anthracene, 2-ethyl- *	1,700.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Benzo[e]pyrene *	2,000.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Cyclopenta(def)phenanthrenone *	1,900.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Dibenzofuran, 4-methyl- *	1,300.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Dibenzothiophene *	1,600.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Phenanthrene, 1-methyl- *	4,000.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Phenanthrene, 2,5-dimethyl- *	2,400.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Phenanthrene, 2-methyl- *	5,100.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1907-01	CO-8R-WC	SOIL	Phenanthrene, 3,6-dimethyl-	* 830.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	unknown24.445	* 3,700.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Naphthalene, 2-phenyl-	* 2,300.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	Perylene	* 9,300.000	J	0	0	ug/Kg
Q1907-01	CO-8R-WC	SOIL	1-Methylnaphthalene	* 430.000	J	150	1000	ug/Kg
Total Tics :				53,480.00				
Total Concentration:				204,180.00				

Client ID : CO-8R-WCDL

Q1907-01DL	CO-8R-WCDL	SOIL	Acenaphthene	2,700.000	JD	630	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Fluorene	3,000.000	JD	750	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Phenanthrene	25,200.000	D	620	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Anthracene	5,500.000	D	980	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Fluoranthene	25,300.000	D	890	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Pyrene	25,200.000	D	1100	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Benzo(a)anthracene	10,000.000	D	680	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Chrysene	10,000.000	D	590	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Benzo(b)fluoranthene	11,600.000	D	560	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Benzo(k)fluoranthene	4,000.000	JD	660	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Benzo(a)pyrene	9,300.000	D	870	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Indeno(1,2,3-cd)pyrene	4,400.000	JD	860	5000	ug/Kg
Q1907-01DL	CO-8R-WCDL	SOIL	Benzo(g,h,i)perylene	5,600.000	D	760	5000	ug/Kg
Total Svoc :				141,800.00				
Total Concentration:				141,800.00				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167803BL	PB167803BL	2-Fluorophenol	150	145	97		18	112
		Phenol-d6	150	139	93		15	107
		Nitrobenzene-d5	100	85.9	86		18	107
		2-Fluorobiphenyl	100	82.7	83		20	109
		2,4,6-Tribromophenol	150	142	95		10	116
		Terphenyl-d14	100	96.4	96		10	105
PB167803BS	PB167803BS	2-Fluorophenol	150	134	89		18	112
		Phenol-d6	150	131	87		15	107
		Nitrobenzene-d5	100	75.1	75		18	107
		2-Fluorobiphenyl	100	73.7	74		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	76.9	77		10	105
Q1907-01	CO-8R-WC	2-Fluorophenol	150	84.0	56		18	112
		Phenol-d6	150	85.2	57		15	107
		Nitrobenzene-d5	100	47.0	47		18	107
		2-Fluorobiphenyl	100	45.1	45		20	109
		2,4,6-Tribromophenol	150	77.3	52		10	116
		Terphenyl-d14	100	37.0	37		10	105
Q1907-01DL	CO-8R-WCDL	2-Fluorophenol	150	88.4	59		18	112
		Phenol-d6	150	95.5	64		15	107
		Nitrobenzene-d5	100	49.3	49		18	107
		2-Fluorobiphenyl	100	46.9	47		20	109
		2,4,6-Tribromophenol	150	84.2	56		10	116
		Terphenyl-d14	100	47.5	47		10	105
Q1914-10MS	SS-8MS	2-Fluorophenol	150	87.8	59		18	112
		Phenol-d6	150	76.9	51		15	107
		Nitrobenzene-d5	100	91.0	91		18	107
		2-Fluorobiphenyl	100	44.7	45		20	109
		2,4,6-Tribromophenol	150	82.6	55		10	116
		Terphenyl-d14	100	41.4	41		10	105
Q1914-11MSD	SS-8MSD	2-Fluorophenol	150	90.5	60		18	112
		Phenol-d6	150	79.3	53		15	107
		Nitrobenzene-d5	100	94.8	95		18	107
		2-Fluorobiphenyl	100	48.5	48		20	109
		2,4,6-Tribromophenol	150	88.6	59		10	116
		Terphenyl-d14	100	43.2	43		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1914-10MS	Client Sample ID:	SS-8MS					DataFile:	BM050083.D		
Benzaldehyde	1800	0	1400	ug/Kg	78				10	86	
Phenol	1800	0	1400	ug/Kg	78				67	126	
bis(2-Chloroethyl)ether	1800	0	1400	ug/Kg	78				54	125	
2-Chlorophenol	1800	0	1500	ug/Kg	83				79	107	
2-Methylphenol	1800	0	1400	ug/Kg	78				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	1100	ug/Kg	61	*			65	110	
Acetophenone	1800	0	6000	ug/Kg	333	*			75	111	
3+4-Methylphenols	1800	0	1300	ug/Kg	72				66	104	
N-Nitroso-di-n-propylamine	1800	0	1100	ug/Kg	61				59	119	
Hexachloroethane	1800	0	5100	ug/Kg	283	*			65	117	
Nitrobenzene	1800	0	2300	ug/Kg	128	*			70	119	
Isophorone	1800	0	2800	ug/Kg	156	*			76	122	
2-Nitrophenol	1800	0	2400	ug/Kg	133				54	145	
2,4-Dimethylphenol	1800	0	2100	ug/Kg	117				44	135	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				68	112	
2,4-Dichlorophenol	1800	0	2300	ug/Kg	128	*			72	118	
Naphthalene	1800	2000	3200	ug/Kg	67	*			72	110	
4-Chloroaniline	1800	0	490	ug/Kg	27				10	91	
Hexachlorobutadiene	1800	0	2300	ug/Kg	128	*			66	114	
Caprolactam	1800	0	2900	ug/Kg	161	*			51	134	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				57	132	
2-Methylnaphthalene	1800	5800	5700	ug/Kg	-6	*			59	123	
Hexachlorocyclopentadiene	3600	0	3100	ug/Kg	86				10	175	
2,4,6-Trichlorophenol	1800	0	1600	ug/Kg	89				72	117	
2,4,5-Trichlorophenol	1800	0	1600	ug/Kg	89				72	117	
1,1-Biphenyl	1800	490	1400	ug/Kg	51	*			75	113	
2-Chloronaphthalene	1800	0	1300	ug/Kg	72				67	118	
2-Nitroaniline	1800	0	1200	ug/Kg	67	*			69	127	
Dimethylphthalate	1800	0	1200	ug/Kg	67	*			70	113	
Acenaphthylene	1800	0	1300	ug/Kg	72	*			79	118	
2,6-Dinitrotoluene	1800	0	1500	ug/Kg	83				70	125	
3-Nitroaniline	1800	0	620	ug/Kg	34				30	99	
Acenaphthene	1800	190	1400	ug/Kg	67	*			70	121	
2,4-Dinitrophenol	3600	0	2400	ug/Kg	67				10	155	
4-Nitrophenol	3600	0	3100	ug/Kg	86				45	133	
Dibenzofuran	1800	0	1400	ug/Kg	78				72	110	
2,4-Dinitrotoluene	1800	0	1400	ug/Kg	78				55	128	
Diethylphthalate	1800	0	1300	ug/Kg	72				70	112	
4-Chlorophenyl-phenylether	1800	0	1400	ug/Kg	78				71	108	
Fluorene	1800	0	1600	ug/Kg	89				68	116	
4-Nitroaniline	1800	0	970	ug/Kg	54	*			55	120	
4,6-Dinitro-2-methylphenol	1800	0	1300	ug/Kg	72				10	160	
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	1800	0	1600	ug/Kg	89				65	121	
Hexachlorobenzene	1800	0	1600	ug/Kg	89				67	118	
Atrazine	1800	0	2000	ug/Kg	111				79	127	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3600	0	3700	ug/Kg	103				47	128	
Phenanthrene	1800	1400	2500	ug/Kg	61				52	128	
Anthracene	1800	220	1600	ug/Kg	77				62	124	
Carbazole	1800	0	1500	ug/Kg	83				59	119	
Di-n-butylphthalate	1800	240	1400	ug/Kg	64	*			69	118	
Fluoranthene	1800	2000	3100	ug/Kg	61				44	125	
Pyrene	1800	1800	2600	ug/Kg	44				26	142	
Butylbenzylphthalate	1800	0	1300	ug/Kg	72				64	126	
3,3-Dichlorobenzidine	1800	0	210	ug/Kg	12	*			33	116	
Benzo(a)anthracene	1800	930	2200	ug/Kg	71				71	114	
Chrysene	1800	860	2100	ug/Kg	69				57	121	
bis(2-Ethylhexyl)phthalate	1800	960	1800	ug/Kg	47				42	169	
Di-n-octyl phthalate	1800	0	1400	ug/Kg	78				23	175	
Benzo(b)fluoranthene	1800	980	2200	ug/Kg	68				67	121	
Benzo(k)fluoranthene	1800	330	1700	ug/Kg	76				57	134	
Benzo(a)pyrene	1800	770	2100	ug/Kg	74				70	142	
Indeno(1,2,3-cd)pyrene	1800	420	1900	ug/Kg	82				40	129	
Dibenz(a,h)anthracene	1800	140	1600	ug/Kg	81				43	123	
Benzo(g,h,i)perylene	1800	490	2000	ug/Kg	84				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1600	ug/Kg	89				69	124	
1,4-Dioxane	1800	0	1500	ug/Kg	83				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	1600	ug/Kg	89				69	112	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1914-11MSD	Client Sample ID:	SS-8MSD					DataFile:	BM050084.D		
Benzaldehyde	1800	0	1400	ug/Kg	78	0			10	86	20
Phenol	1800	0	1500	ug/Kg	83	6			67	126	20
bis(2-Chloroethyl)ether	1800	0	1500	ug/Kg	83	6			54	125	20
2-Chlorophenol	1800	0	1500	ug/Kg	83	0			79	107	20
2-Methylphenol	1800	0	1400	ug/Kg	78	0			66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	1100	ug/Kg	61	*	0		65	110	20
Acetophenone	1800	0	6300	ug/Kg	350	*	5		75	111	20
3+4-Methylphenols	1800	0	1300	ug/Kg	72	0			66	104	20
N-Nitroso-di-n-propylamine	1800	0	1100	ug/Kg	61	0			59	119	20
Hexachloroethane	1800	0	5200	ug/Kg	289	*	2		65	117	20
Nitrobenzene	1800	0	2500	ug/Kg	139	*	8		70	119	20
Isophorone	1800	0	2900	ug/Kg	161	*	3		76	122	20
2-Nitrophenol	1800	0	2500	ug/Kg	139		4		54	145	20
2,4-Dimethylphenol	1800	0	2300	ug/Kg	128		9		44	135	20
bis(2-Chloroethoxy)methane	1800	0	1900	ug/Kg	106		6		68	112	20
2,4-Dichlorophenol	1800	0	2500	ug/Kg	139	*	8		72	118	20
Naphthalene	1800	2000	3300	ug/Kg	72		7		72	110	20
4-Chloroaniline	1800	0	520	ug/Kg	29		7		10	91	20
Hexachlorobutadiene	1800	0	2500	ug/Kg	139	*	8		66	114	20
Caprolactam	1800	0	2800	ug/Kg	156	*	3		51	134	20
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106		6		57	132	20
2-Methylnaphthalene	1800	5800	5900	ug/Kg	6	*	0		59	123	20
Hexachlorocyclopentadiene	3600	0	3100	ug/Kg	86		0		10	175	20
2,4,6-Trichlorophenol	1800	0	1700	ug/Kg	94		5		72	117	20
2,4,5-Trichlorophenol	1800	0	1700	ug/Kg	94		5		72	117	20
1,1-Biphenyl	1800	490	1500	ug/Kg	56	*	9		75	113	20
2-Chloronaphthalene	1800	0	1400	ug/Kg	78		8		67	118	20
2-Nitroaniline	1800	0	1300	ug/Kg	72		7		69	127	20
Dimethylphthalate	1800	0	1300	ug/Kg	72		7		70	113	20
Acenaphthylene	1800	0	1400	ug/Kg	78	*	8		79	118	20
2,6-Dinitrotoluene	1800	0	1600	ug/Kg	89		7		70	125	20
3-Nitroaniline	1800	0	650	ug/Kg	36		6		30	99	20
Acenaphthene	1800	190	1500	ug/Kg	73		9		70	121	20
2,4-Dinitrophenol	3600	0	2500	ug/Kg	69		3		10	155	20
4-Nitrophenol	3600	0	3300	ug/Kg	92		7		45	133	20
Dibenzofuran	1800	0	1500	ug/Kg	83		6		72	110	20
2,4-Dinitrotoluene	1800	0	1500	ug/Kg	83		6		55	128	20
Diethylphthalate	1800	0	1400	ug/Kg	78		8		70	112	20
4-Chlorophenyl-phenylether	1800	0	1500	ug/Kg	83		6		71	108	20
Fluorene	1800	0	1700	ug/Kg	94		5		68	116	20
4-Nitroaniline	1800	0	1000	ug/Kg	56		4		55	120	20
4,6-Dinitro-2-methylphenol	1800	0	1300	ug/Kg	72		0		10	160	20
N-Nitrosodiphenylamine	1800	0	1800	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	1800	0	1700	ug/Kg	94		5		65	121	20
Hexachlorobenzene	1800	0	1600	ug/Kg	89		0		67	118	20
Atrazine	1800	0	2000	ug/Kg	111		0		79	127	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3600	0	3900	ug/Kg	108		5		47	128	20
Phenanthrene	1800	1400	2500	ug/Kg	61		0		52	128	20
Anthracene	1800	220	1700	ug/Kg	82		6		62	124	20
Carbazole	1800	0	1500	ug/Kg	83		0		59	119	20
Di-n-butylphthalate	1800	240	1400	ug/Kg	64	*	0		69	118	20
Fluoranthene	1800	2000	3100	ug/Kg	61		0		44	125	20
Pyrene	1800	1800	2700	ug/Kg	50		13		26	142	20
Butylbenzylphthalate	1800	0	1300	ug/Kg	72		0		64	126	20
3,3-Dichlorobenzidine	1800	0	220	ug/Kg	12	*	0		33	116	20
Benzo(a)anthracene	1800	930	2300	ug/Kg	76		7		71	114	20
Chrysene	1800	860	2200	ug/Kg	74		7		57	121	20
bis(2-Ethylhexyl)phthalate	1800	960	1700	ug/Kg	41	*	14		42	169	20
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83		6		23	175	20
Benzo(b)fluoranthene	1800	980	2200	ug/Kg	68		0		67	121	20
Benzo(k)fluoranthene	1800	330	1700	ug/Kg	76		0		57	134	20
Benzo(a)pyrene	1800	770	2100	ug/Kg	74		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800	420	1900	ug/Kg	82		0		40	129	20
Dibenz(a,h)anthracene	1800	140	1700	ug/Kg	87		7		43	123	20
Benzo(g,h,i)perylene	1800	490	2000	ug/Kg	84		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100		12		69	124	20
1,4-Dioxane	1800	0	1500	ug/Kg	83		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	1700	ug/Kg	94		5		69	112	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E DataFile: BM050081.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167803BS	Benzaldehyde	1700	870	ug/Kg	51				10	133		
	Phenol	1700	1500	ug/Kg	88				62	112		
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101		
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112		
	2-Methylphenol	1700	1500	ug/Kg	88				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1400	ug/Kg	82				66	98		
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111		
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95		
	Hexachloroethane	1700	1400	ug/Kg	82				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1300	ug/Kg	76				59	99		
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111		
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				46	141		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97		
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	450	ug/Kg	26				16	100		
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98		
	Caprolactam	1700	1400	ug/Kg	82				67	110		
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	165		
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103		
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99		
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101		
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99		
	Acenaphthylene	1700	1400	ug/Kg	82				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	590	ug/Kg	35				28	100		
	Acenaphthene	1700	1400	ug/Kg	82				57	104		
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				37	128		
	4-Nitrophenol	3300	2900	ug/Kg	88				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99		
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1907

Client: Walsh Construction Company II, LLC

Analytical Method: 8270E DataFile: BM050081.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB167803BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1400	ug/Kg	82				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				55	103	
	3,3-Dichlorobenzidine	1700	660	ug/Kg	39		*		42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167803BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: Q1907

SAS No.: Q1907 SDG NO.: Q1907

Lab File ID: BM050080.D

Lab Sample ID: PB167803BL

Instrument ID: BNA_M

Date Extracted: 04/30/2025

Matrix: (soil/water) SOIL

Date Analyzed: 05/02/2025

Level: (low/med) LOW

Time Analyzed: 11:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167803BS	PB167803BS	BM050081.D	05/02/2025
SS-8MS	Q1914-10MS	BM050083.D	05/02/2025
SS-8MSD	Q1914-11MSD	BM050084.D	05/02/2025
CO-8R-WC	Q1907-01	BM050073.D	05/01/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: Q1907 SDG NO.: Q1907Lab File ID: BM050023.DDFTPP Injection Date: 04/28/2025Instrument ID: BNA_MDFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.7
443	15.0 - 24.0% of mass 442	14.4 (19.3) 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	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: Q1907 SDG NO.: Q1907Lab File ID: BM050061.DDFTPP Injection Date: 05/01/2025Instrument ID: BNA_MDFTPP Injection Time: 12:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	26.4
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	34.3
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.6
442	Greater than 50% of mass 198	81.4
443	15.0 - 24.0% of mass 442	15.5 (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	BM050062.D	05/01/2025	13:25
CO-8R-WC	Q1907-01	BM050073.D	05/01/2025	20:39



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: Q1907 SDG NO.: Q1907Lab File ID: BM050078.DDFTPP Injection Date: 05/02/2025Instrument ID: BNA_MDFTPP Injection Time: 09:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.9
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	25.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	32.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	77.4
443	15.0 - 24.0% of mass 442	15.1 (19.5) 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	BM050079.D	05/02/2025	10:33
PB167803BL	PB167803BL	BM050080.D	05/02/2025	11:13
PB167803BS	PB167803BS	BM050081.D	05/02/2025	11:52
SS-8MS	Q1914-10MS	BM050083.D	05/02/2025	13:20
SS-8MSD	Q1914-11MSD	BM050084.D	05/02/2025	14:00



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: WALS01Lab Code: CHEMSAS No.: Q1907 SDG NO.: Q1907Lab File ID: BM050095.DDFTPP Injection Date: 05/05/2025Instrument ID: BNA_MDFTPP Injection Time: 11:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.8
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	82.9
443	15.0 - 24.0% of mass 442	16.3 (19.7) 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	BM050096.D	05/05/2025	12:18
CO-8R-WCDL	Q1907-01DL	BM050098.D	05/05/2025	13:40

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BM050062.D Time Analyzed: 13:25

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	329367	7.757	1090200	10.55	636680	14.40
UPPER LIMIT	658734	8.257	2180400	11.045	1273360	14.898
LOWER LIMIT	164684	7.257	545100	10.045	318340	13.898
EPA SAMPLE NO.						
01 CO-8R-WC	261067	7.75	957967	10.54	663584	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/01/2025

Lab File ID: BM050062.D Time Analyzed: 13:25

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	1171490	17.145	1137060	21.386	1050480	24.374
UPPER LIMIT	2342980	17.645	2274120	21.886	2100960	24.874
LOWER LIMIT	585745	16.645	568530	20.886	525240	23.874
EPA SAMPLE NO.						
01 CO-8R-WC	1390480	17.14	1453480	21.39	1382750	24.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BM050079.D Time Analyzed: 10:33

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	249928	7.751	901454	10.54	586754	14.40
UPPER LIMIT	499856	8.251	1802910	11.039	1173510	14.898
LOWER LIMIT	124964	7.251	450727	10.039	293377	13.898
EPA SAMPLE NO.						
01 PB167803BL	227359	7.75	771197	10.55	505614	14.40
02 PB167803BS	238731	7.75	852455	10.54	546617	14.40
03 SS-8MS	315345	7.75	672358	10.56	611965	14.41
04 SS-8MSD	318543	7.75	669041	10.56	587094	14.41

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/02/2025

Lab File ID: BM050079.D Time Analyzed: 10:33

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	1164750	17.145	1138510	21.38	1096970	24.374
UPPER LIMIT	2329500	17.645	2277020	21.88	2193940	24.874
LOWER LIMIT	582375	16.645	569255	20.88	548485	23.874
EPA SAMPLE NO.						
01 PB167803BL	1028820	17.15	949846	21.39	1027400	24.37
02 PB167803BS	1041830	17.15	1028150	21.39	1050830	24.37
03 SS-8MS	1130510	17.16	1268700	21.39	1417440	24.37
04 SS-8MSD	1125280	17.16	1238340	21.39	1405070	24.37

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

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

Lab File ID: BM050096.D Time Analyzed: 12:18

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	253723	7.745	967980	10.54	663376	14.40
UPPER LIMIT	507446	8.245	1935960	11.039	1326750	14.898
LOWER LIMIT	126862	7.245	483990	10.039	331688	13.898
EPA SAMPLE NO.						
01 CO-8R-WCDL	373100	7.75	1493910	10.54	1094770	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG NO.: Q1907

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

Lab File ID: BM050096.D Time Analyzed: 12:18

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	1334830	17.145	1249730	21.386	1253430	24.38
UPPER LIMIT	2669660	17.645	2499460	21.886	2506860	24.88
LOWER LIMIT	667415	16.645	624865	20.886	626715	23.88
EPA SAMPLE NO.						
01 CO-8R-WCDL	2314690	17.15	2008280	21.39	1568870	24.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WC	SDG No.:	Q1907
Lab Sample ID:	Q1907-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050073.D	5	04/30/25 11:00	05/01/25 20:39	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	920	U	920	1900	ug/Kg
108-95-2	Phenol	130	U	130	1000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	1000	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	1000	ug/Kg
95-48-7	2-Methylphenol	180	U	180	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	1000	ug/Kg
98-86-2	Acetophenone	170	U	170	1000	ug/Kg
65794-96-9	3+4-Methylphenols	240	U	240	1900	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	280	U	280	470	ug/Kg
67-72-1	Hexachloroethane	100	U	100	1000	ug/Kg
98-95-3	Nitrobenzene	110	U	110	1000	ug/Kg
78-59-1	Isophorone	190	U	190	1000	ug/Kg
88-75-5	2-Nitrophenol	340	U	340	1000	ug/Kg
105-67-9	2,4-Dimethylphenol	380	U	380	1000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	180	1000	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	170	1000	ug/Kg
91-20-3	Naphthalene	630	J	130	1000	ug/Kg
106-47-8	4-Chloroaniline	210	U	210	1000	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	1000	ug/Kg
105-60-2	Caprolactam	310	U	310	1900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	1000	ug/Kg
91-57-6	2-Methylnaphthalene	520	J	150	1000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	680	U	680	1900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	1000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	170	1000	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	1000	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	1000	ug/Kg
88-74-4	2-Nitroaniline	280	U	280	1000	ug/Kg
131-11-3	Dimethylphthalate	160	U	160	1000	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling		Date Received:	04/28/25
Client Sample ID:	CO-8R-WC		SDG No.:	Q1907
Lab Sample ID:	Q1907-01		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	84.6
Sample Wt/Vol:	30.04	Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:		uL	Test:	SVOC-TCL BNA -20
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
BM050073.D	5	04/30/25 11:00	05/01/25 20:39	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1000		170	1000	ug/Kg
606-20-2	2,6-Dinitrotoluene	200	U	200	1000	ug/Kg
99-09-2	3-Nitroaniline	270	U	270	1000	ug/Kg
83-32-9	Acenaphthene	2600		130	1000	ug/Kg
51-28-5	2,4-Dinitrophenol	1400	U	1400	1900	ug/Kg
100-02-7	4-Nitrophenol	630	U	630	1900	ug/Kg
132-64-9	Dibenzofuran	1800		130	1000	ug/Kg
121-14-2	2,4-Dinitrotoluene	300	U	300	1000	ug/Kg
84-66-2	Diethylphthalate	170	U	170	1000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	1000	ug/Kg
86-73-7	Fluorene	2900		150	1000	ug/Kg
100-01-6	4-Nitroaniline	380	U	380	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	610	U	610	1900	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	1000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	U	160	1000	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	1000	ug/Kg
1912-24-9	Atrazine	200	U	200	1000	ug/Kg
87-86-5	Pentachlorophenol	300	U	300	1900	ug/Kg
85-01-8	Phenanthrene	26300	E	120	1000	ug/Kg
120-12-7	Anthracene	5700		200	1000	ug/Kg
86-74-8	Carbazole	1800		180	1000	ug/Kg
84-74-2	Di-n-butylphthalate	280	U	280	1000	ug/Kg
206-44-0	Fluoranthene	25700	E	180	1000	ug/Kg
129-00-0	Pyrene	22400	E	210	1000	ug/Kg
85-68-7	Butylbenzylphthalate	950	J	420	1000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	UQ	220	1900	ug/Kg
56-55-3	Benzo(a)anthracene	10200		140	1000	ug/Kg
218-01-9	Chrysene	10000		120	1000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350	U	350	1000	ug/Kg
117-84-0	Di-n-octyl phthalate	510	U	510	1900	ug/Kg
205-99-2	Benzo(b)fluoranthene	11300		110	1000	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WC	SDG No.:	Q1907
Lab Sample ID:	Q1907-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050073.D	5	04/30/25 11:00	05/01/25 20:39	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	3800		130	1000	ug/Kg
50-32-8	Benzo(a)pyrene	9800		170	1000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	5200		170	1000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		160	1000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	6500		150	1000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	1000	ug/Kg
123-91-1	1,4-Dioxane	270	U	270	1000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	1000	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	84.0		18 - 112	56%	SPK: 150
13127-88-3	Phenol-d6	85.2		15 - 107	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	47.0		18 - 107	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.1		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	77.3		10 - 116	52%	SPK: 150
1718-51-0	Terphenyl-d14	37.0		10 - 105	37%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	261000	7.751
1146-65-2	Naphthalene-d8	958000	10.539
15067-26-2	Acenaphthene-d10	664000	14.392
1517-22-2	Phenanthrene-d10	1390000	17.139
1719-03-5	Chrysene-d12	1450000	21.386
1520-96-3	Perylene-d12	1380000	24.38

TENTATIVE IDENTIFIED COMPOUNDS

90-12-0	1-Methylnaphthalene	430	J	12.4	ug/Kg
007320-53-8	Dibenzofuran, 4-methyl-	1300	J	15.7	ug/Kg
001430-97-3	9H-Fluorene, 2-methyl-	1100	J	16.5	ug/Kg
000486-25-9	9H-Fluoren-9-one	870	J	16.8	ug/Kg
002141-42-6	Anthracene, 1,2,3,4-tetrahydro-	950	J	16.9	ug/Kg
000132-65-0	Dibenzothiophene	1600	J	17.0	ug/Kg
000832-69-9	Phenanthrene, 1-methyl-	4000	J	18.0	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WC	SDG No.:	Q1907
Lab Sample ID:	Q1907-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050073.D	5	04/30/25 11:00	05/01/25 20:39	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002531-84-2	Phenanthrene, 2-methyl-	5100	J		18.1	ug/Kg
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b-	1400	J		18.1	ug/Kg
000203-64-5	4H-Cyclopenta[def]phenanthrene	6300	J		18.2	ug/Kg
004505-48-0	1H-Indene, 2-phenyl-	2600	J		18.3	ug/Kg
000612-94-2	Naphthalene, 2-phenyl-	2300	J		18.5	ug/Kg
000084-65-1	9,10-Anthracenedione	2100	J		18.6	ug/Kg
052251-71-5	Anthracene, 2-ethyl-	1700	J		18.8	ug/Kg
001576-67-6	Phenanthrene, 3,6-dimethyl-	830	J		18.8	ug/Kg
003674-66-6	Phenanthrene, 2,5-dimethyl-	2400	J		18.9	ug/Kg
034373-96-1	9,10-Bis(bromomethyl)anthracene	1600	J		19.0	ug/Kg
005737-13-3	Cyclopenta(def)phenanthrenone	1900	J		19.1	ug/Kg
000192-97-2	Benzo[e]pyrene	2000	J		23.7	ug/Kg
000198-55-0	Perylene	9300	J		24.1	ug/Kg
	unknown24.445	3700	J		24.4	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050073.D
 Acq On : 01 May 2025 20:39
 Operator : RC/JU
 Sample : Q1907-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
 Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 02 01:12:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	261067	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	957967	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	663584	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1390483	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1453480	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1382749	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	250468	16.800	ng	-0.01
7) Phenol-d6	6.940	99	319388	17.044	ng	-0.01
23) Nitrobenzene-d5	8.910	82	182710	9.398	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	151762	15.467	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	505874	9.018	ng	-0.02
79) Terphenyl-d14	19.768	244	726960	7.401	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.592	128	155292	3.201	ng	98
37) 2-Methylnaphthalene	12.210	142	86734	2.667	ng	95
38) 1-Methylnaphthalene	12.428	142	75776	2.201	ng	99
49) Acenaphthylene	14.116	152	318404	5.169	ng	99
52) Acenaphthene	14.457	154	477647	13.396	ng	98
55) Dibenzofuran	14.792	168	552659	9.316	ng	98
58) Fluorene	15.445	166	708618	14.594	ng	99
71) Phenanthrene	17.186	178	10493173	133.799	ng	98
72) Anthracene	17.274	178	2280071	28.729	ng	100
73) Carbazole	17.551	167	617081	8.960	ng	100
75) Fluoranthene	19.204	202	12031713	130.672	ng	96
78) Pyrene	19.568	202	11619150	113.837	ng	96
80) Butylbenzylphthalate	20.462	149	184478	4.826	ng	95
81) Benzo(a)anthracene	21.368	228	5196628	51.919	ng	96
83) Chrysene	21.427	228	4718791	50.939	ng	97
87) Indeno(1,2,3-cd)pyrene	27.762	276	2706389	26.267	ng	97
88) Benzo(b)fluoranthene	23.439	252	5178205	57.584	ng	98
89) Benzo(k)fluoranthene	23.492	252	1764589m	19.399	ng	
90) Benzo(a)pyrene	24.239	252	4196882	49.830	ng	98
91) Dibenzo(a,h)anthracene	27.785	278	686323	8.172	ng	93
92) Benzo(g,h,i)perylene	28.815	276	2657877	33.055	ng	100

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

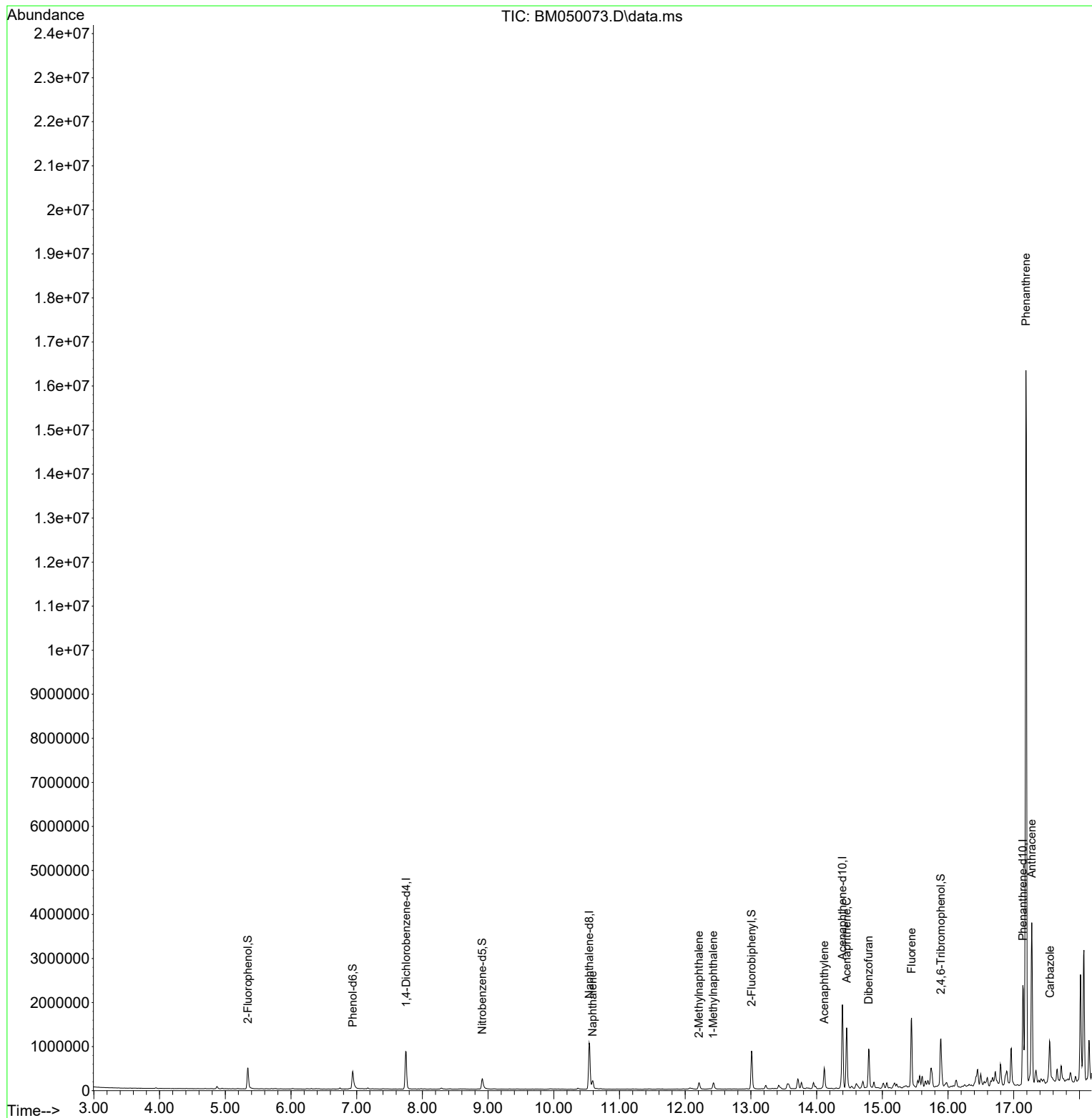
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Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Quant Time: May 02 01:12:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



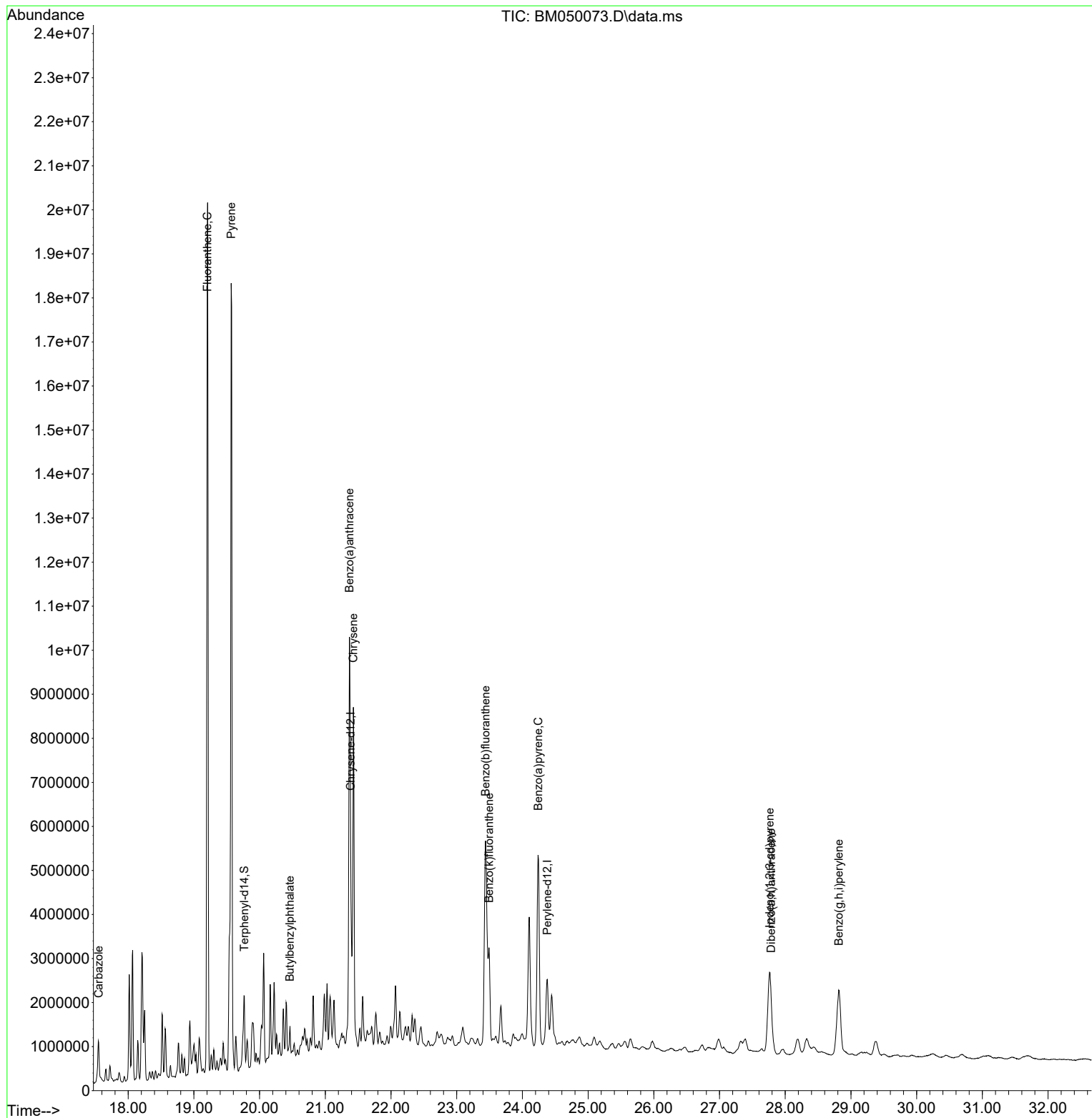
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Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

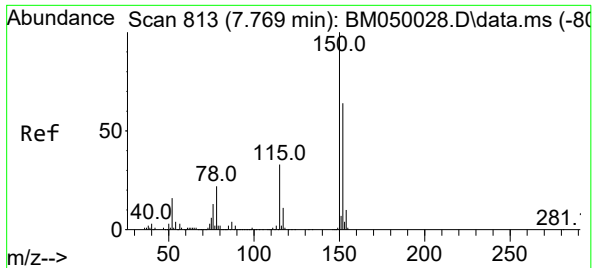
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

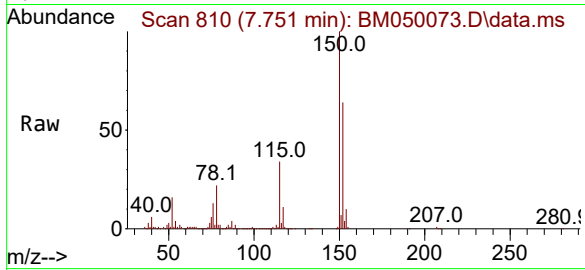
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

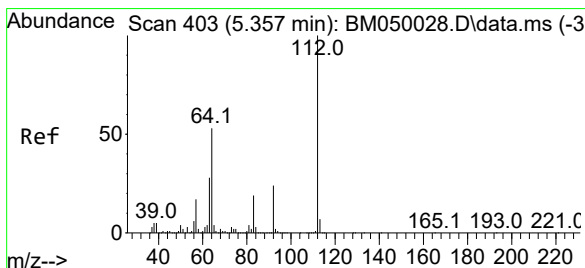
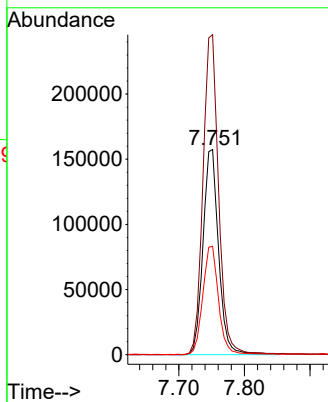
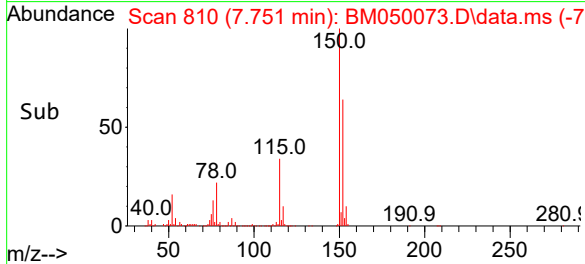
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:152 Resp: 26106
Ion Ratio Lower Upper
152 100
150 156.0 124.1 186.1
115 52.9 41.2 61.8

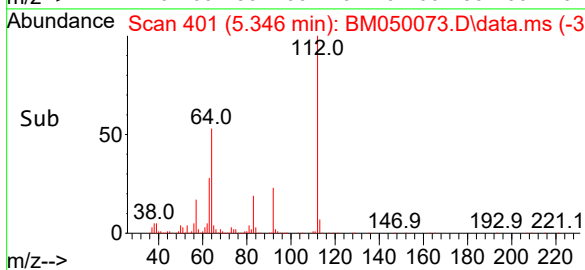
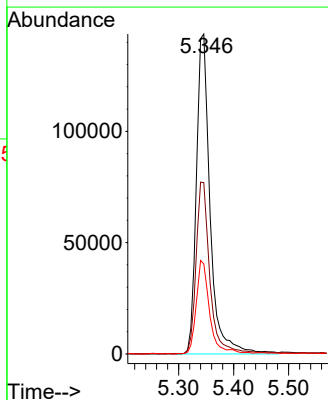
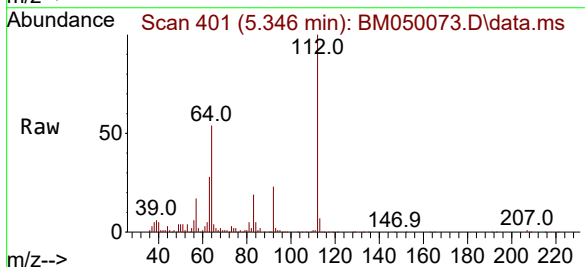
Manual Integrations
APPROVED

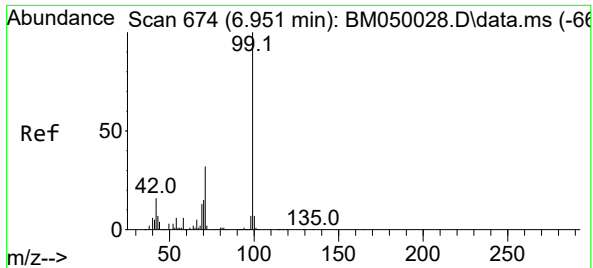
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 16.800 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

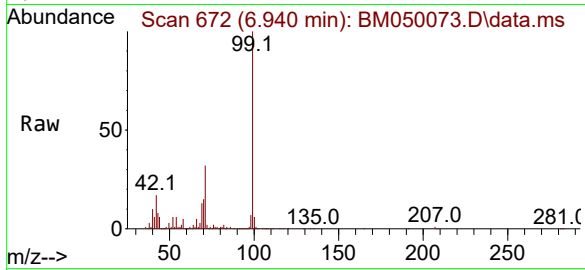
Tgt Ion:112 Resp: 250468
Ion Ratio Lower Upper
112 100
64 53.6 42.6 64.0
63 28.1 22.2 33.4





#7
Phenol-d6
Concen: 17.044 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

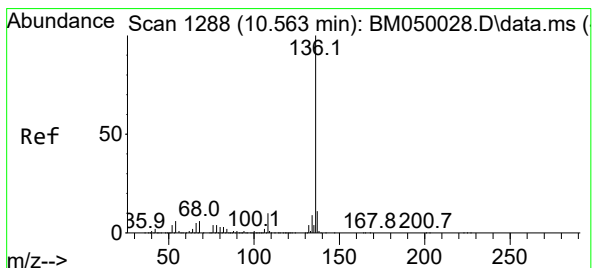
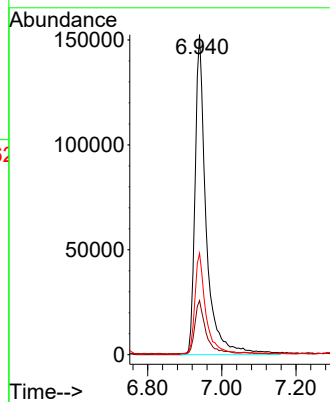
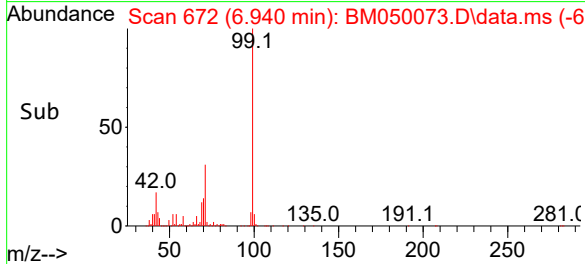
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion: 99 Resp: 31938
Ion Ratio Lower Upper
99 100
42 16.9 13.0 19.4
71 31.7 25.6 38.4

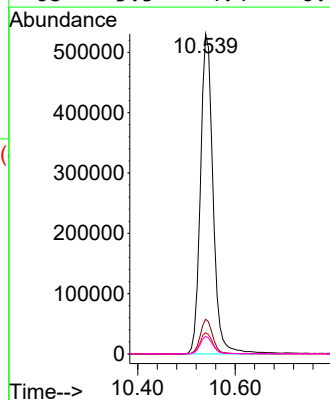
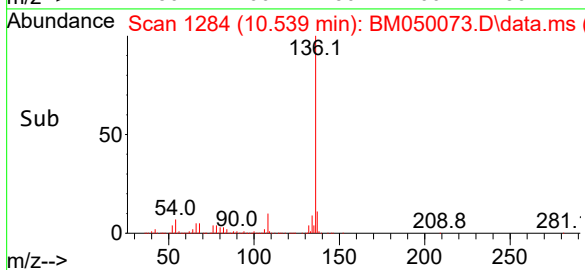
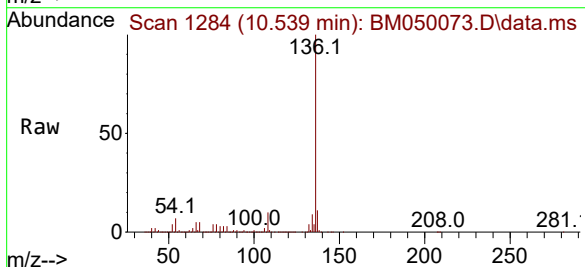
Manual Integrations
APPROVED

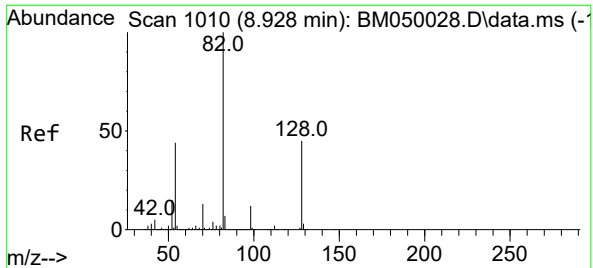
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

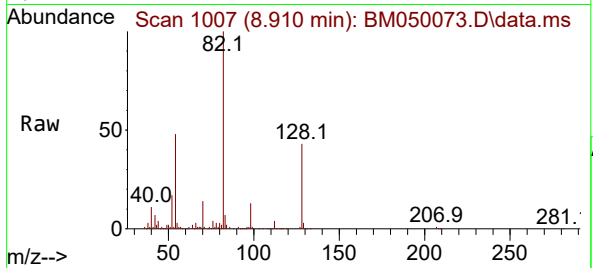
Tgt Ion:136 Resp: 957967
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.6 5.1 7.7
68 5.5 4.4 6.6





#23
Nitrobenzene-d5
Concen: 9.398 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

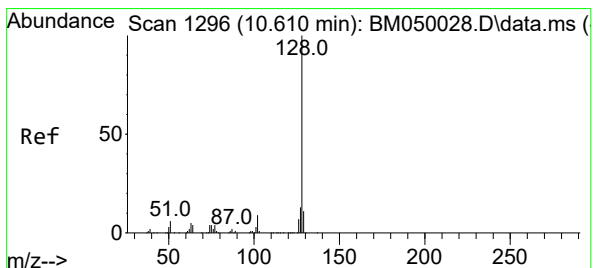
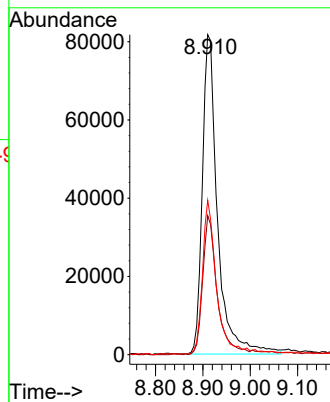
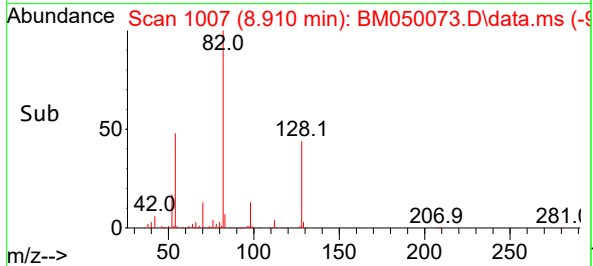
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion: 82 Resp: 182710
Ion Ratio Lower Upper
82 100
128 43.5 35.7 53.5
54 48.3 35.4 53.2

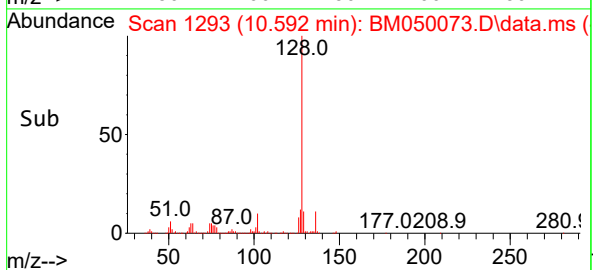
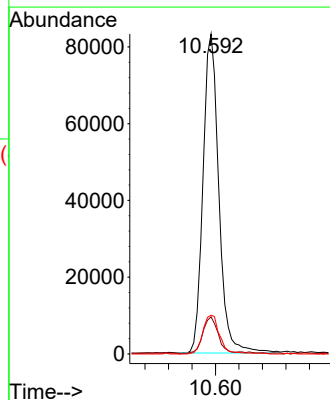
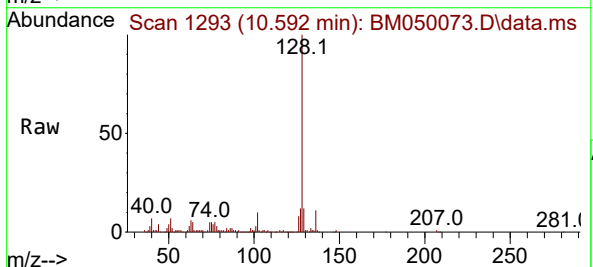
Manual Integrations
APPROVED

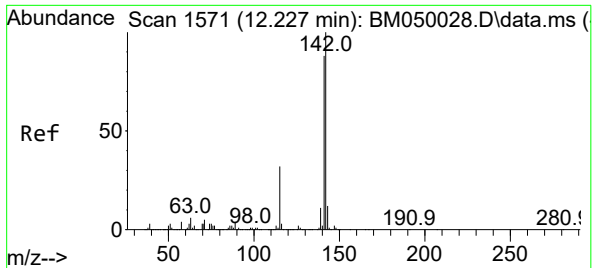
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#31
Naphthalene
Concen: 3.201 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

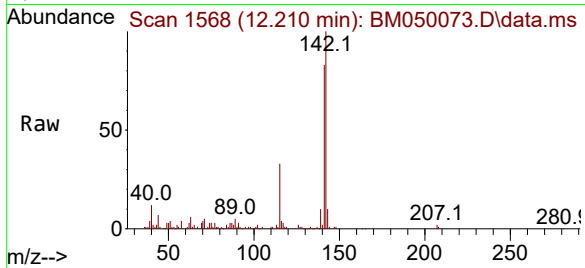
Tgt Ion:128 Resp: 155292
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 12.1 10.4 15.6





#37
2-Methylnaphthalene
Concen: 2.667 ng
RT: 12.210 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

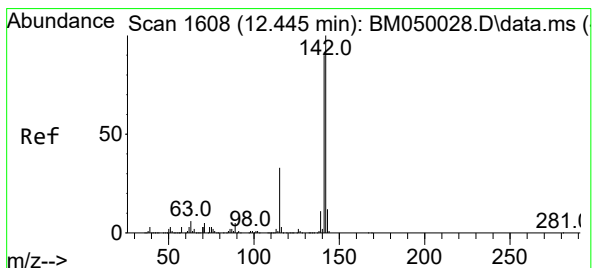
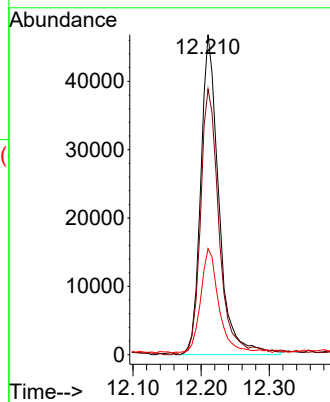
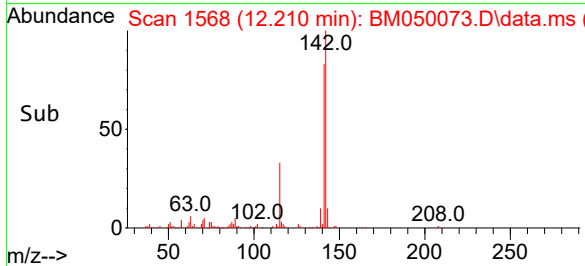
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



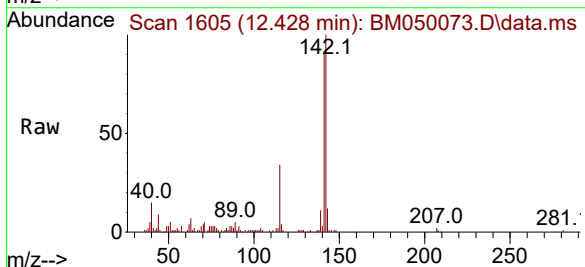
Tgt Ion:142 Resp: 86734
Ion Ratio Lower Upper
142 100
141 83.0 70.4 105.6
115 33.2 25.4 38.2

Manual Integrations
APPROVED

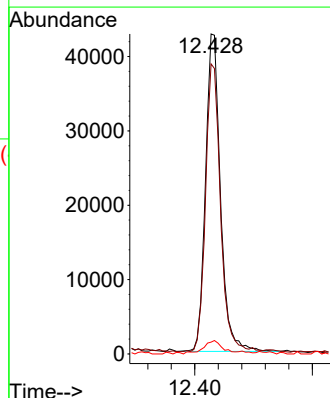
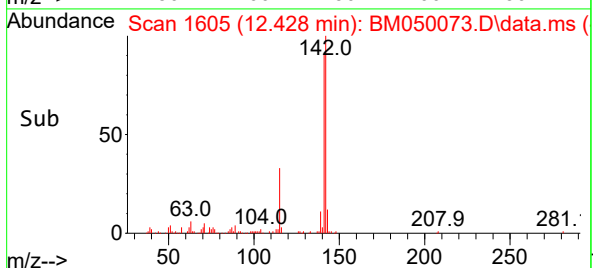
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

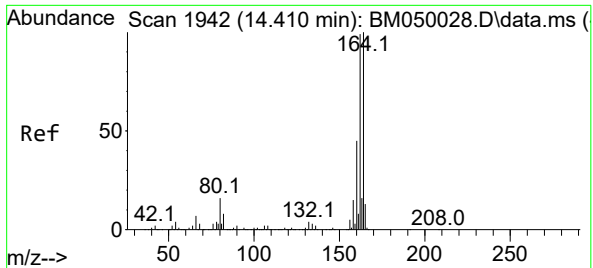


#38
1-Methylnaphthalene
Concen: 2.201 ng
RT: 12.428 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



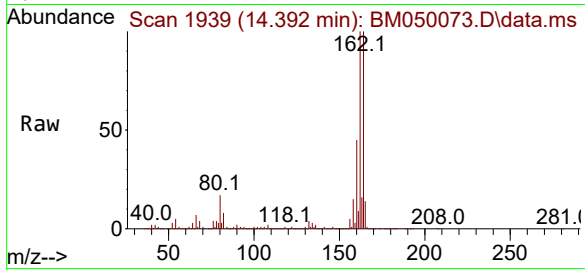
Tgt Ion:142 Resp: 75776
Ion Ratio Lower Upper
142 100
141 90.7 72.1 108.1
116 3.7 2.7 4.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

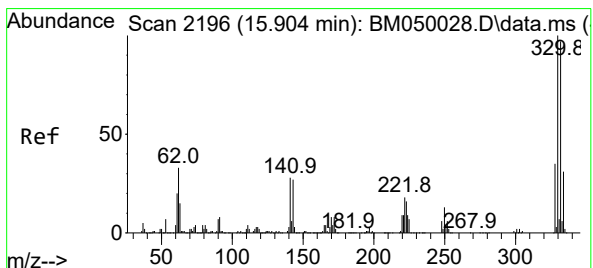
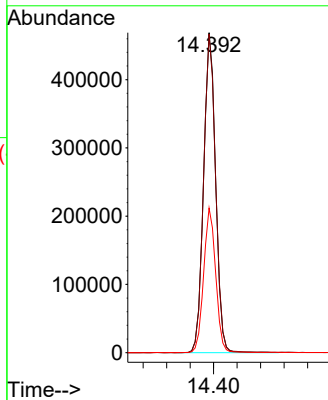
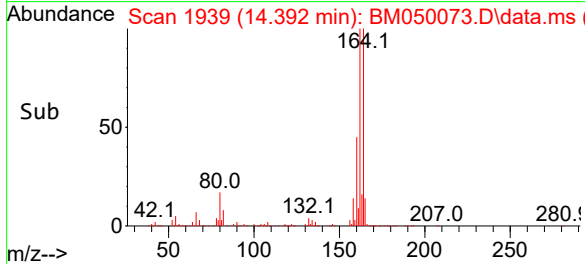
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



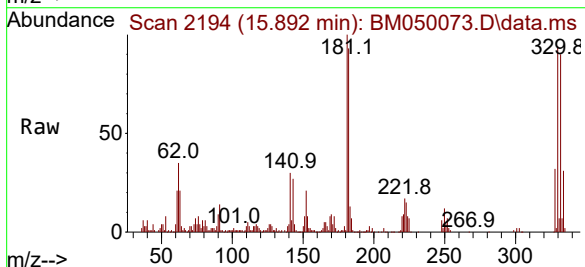
Tgt Ion:164 Resp: 663584
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 45.2 36.2 54.4

Manual Integrations
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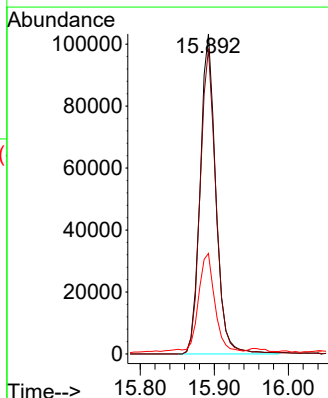
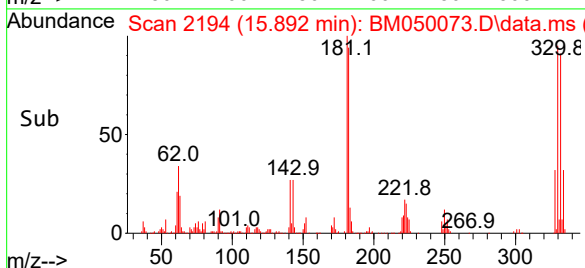
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

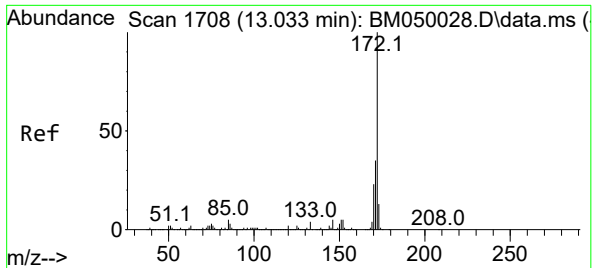


#42
2,4,6-Tribromophenol
Concen: 15.467 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



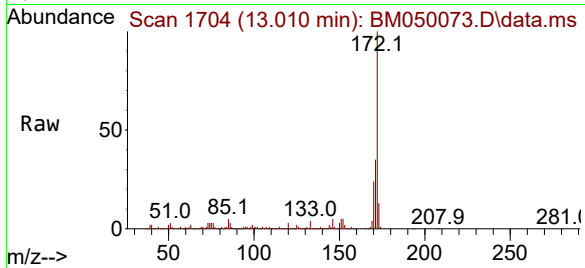
Tgt Ion:330 Resp: 151762
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 34.3 22.5 33.7#





#45
2-Fluorobiphenyl
Concen: 9.018 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

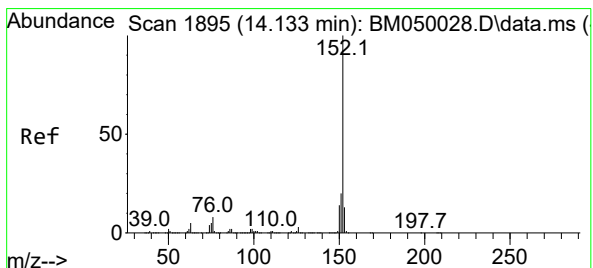
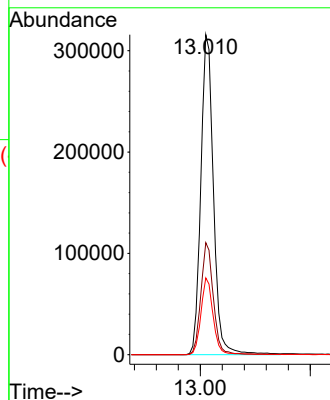
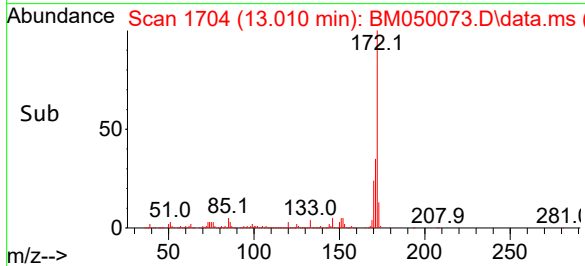
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:172 Resp: 505874
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 24.0 18.6 28.0

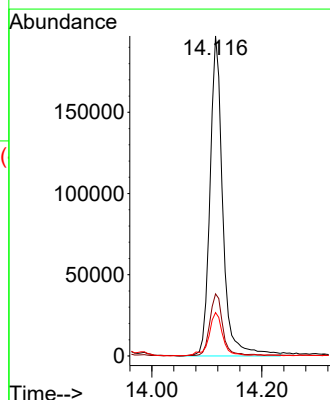
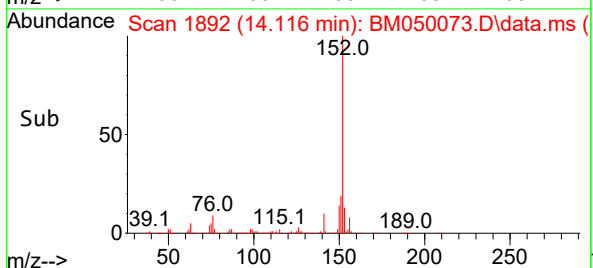
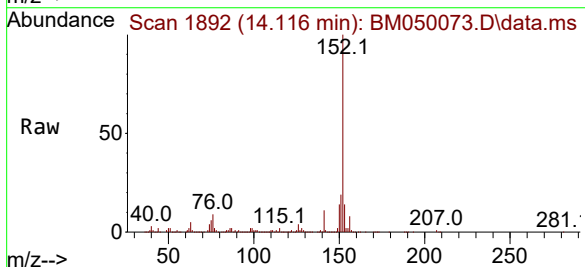
Manual Integrations
APPROVED

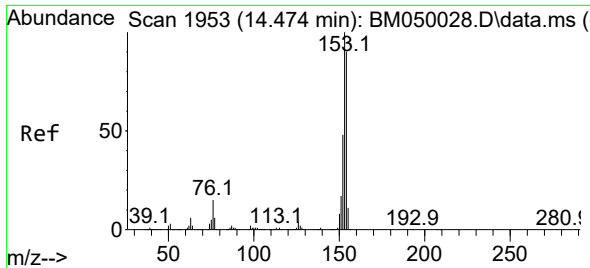
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#49
Acenaphthylene
Concen: 5.169 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

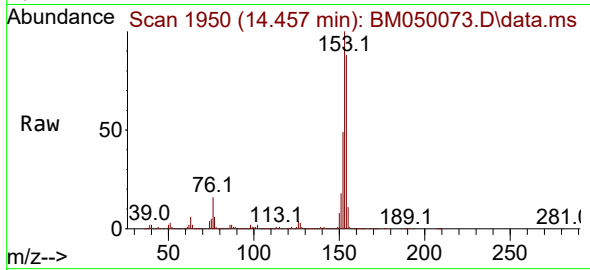
Tgt Ion:152 Resp: 318404
Ion Ratio Lower Upper
152 100
151 19.4 15.8 23.8
153 13.6 10.6 15.8





#52
Acenaphthene
Concen: 13.396 ng
RT: 14.457 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

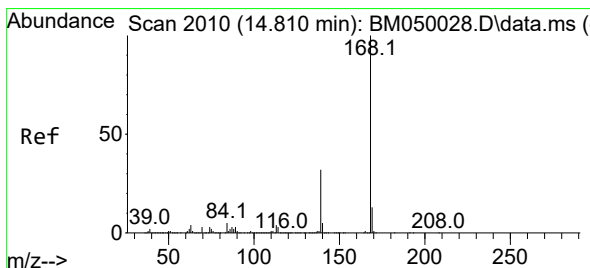
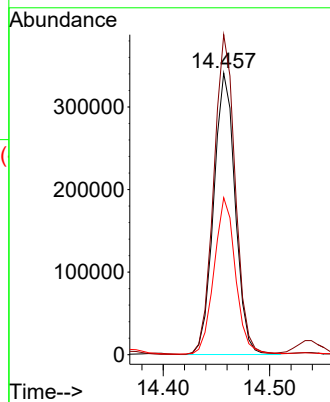
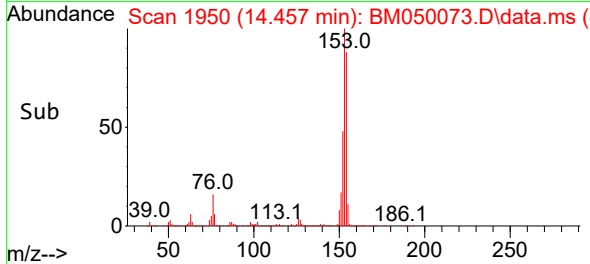
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:154 Resp: 47764
Ion Ratio Lower Upper
154 100
153 113.6 89.0 133.4
152 55.8 43.0 64.6

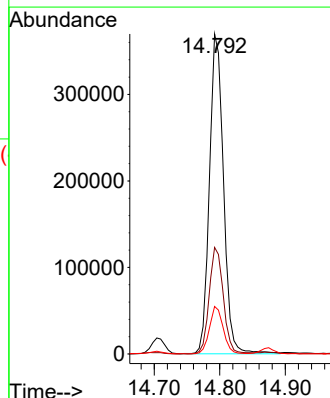
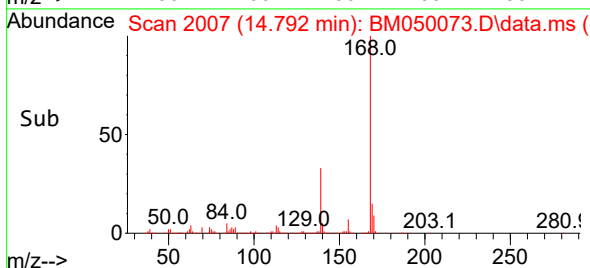
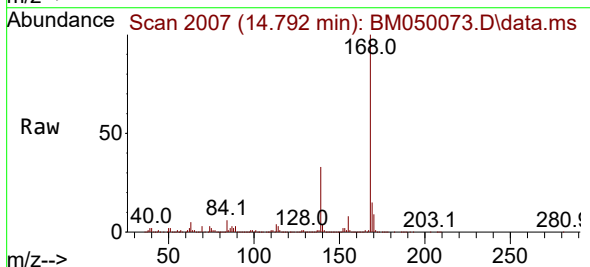
Manual Integrations
APPROVED

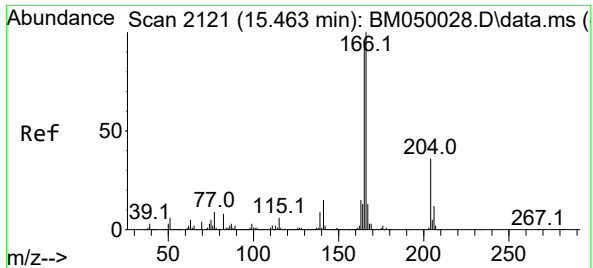
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#55
Dibenzofuran
Concen: 9.316 ng
RT: 14.792 min Scan# 2007
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

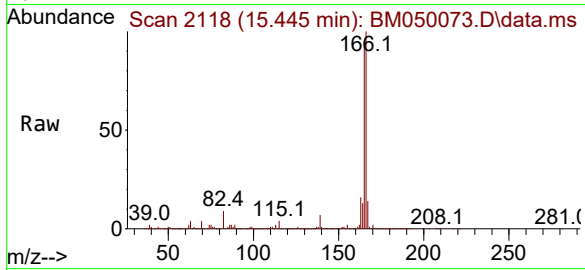
Tgt Ion:168 Resp: 552659
Ion Ratio Lower Upper
168 100
139 33.3 26.1 39.1
169 14.8 10.8 16.2





#58
Fluorene
Concen: 14.594 ng
RT: 15.445 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

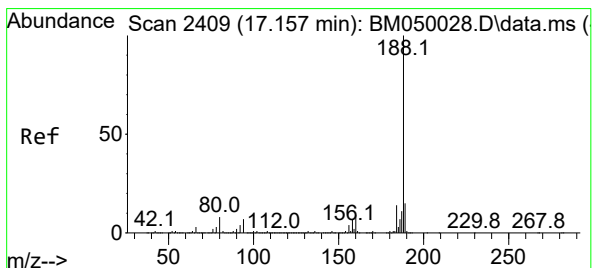
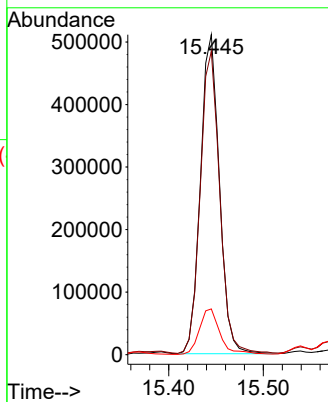
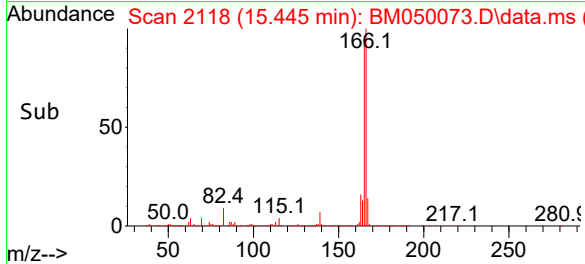
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:166 Resp: 708618
Ion Ratio Lower Upper
166 100
165 94.8 76.6 115.0
167 14.3 10.6 16.0

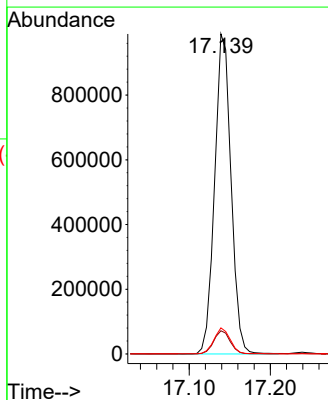
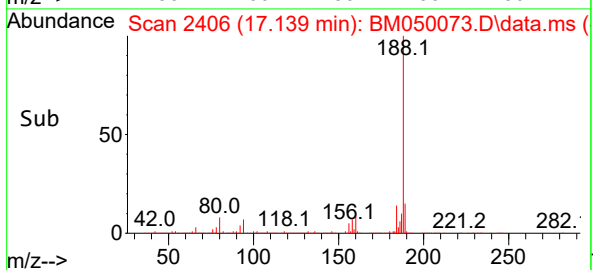
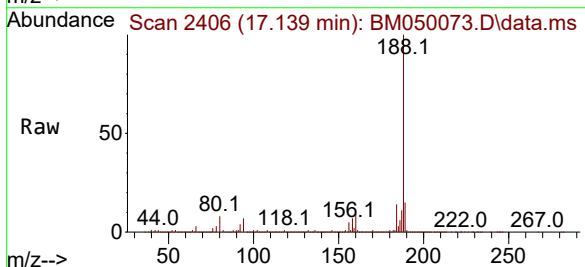
Manual Integrations
APPROVED

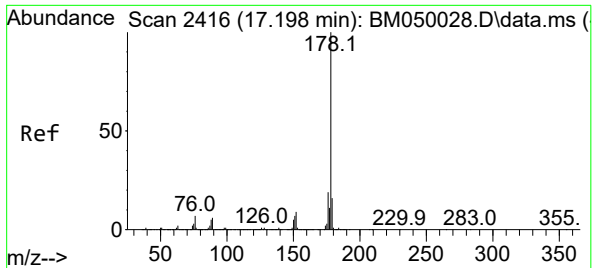
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

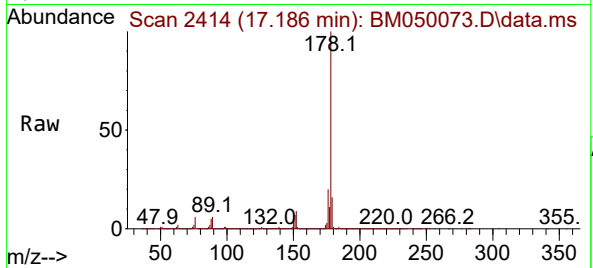
Tgt Ion:188 Resp: 1390483
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.2 6.2 9.4





#71
Phenanthrene
Concen: 133.799 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

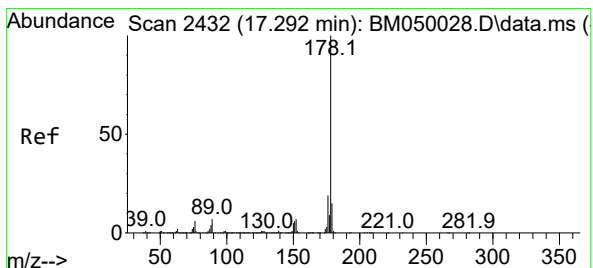
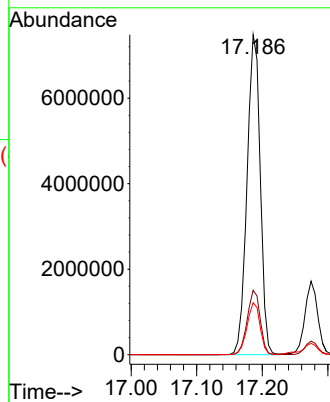
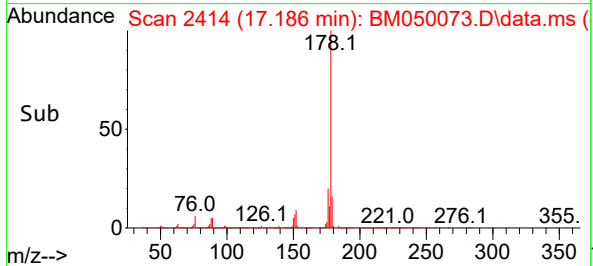
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:178 Resp:1049317
Ion Ratio Lower Upper
178 100
176 20.1 15.3 22.9
179 16.2 12.4 18.6

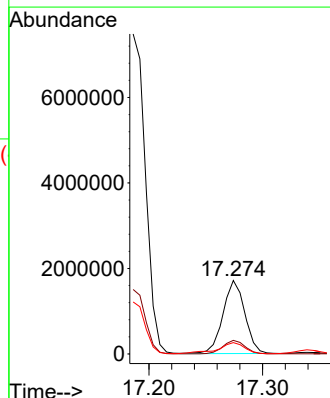
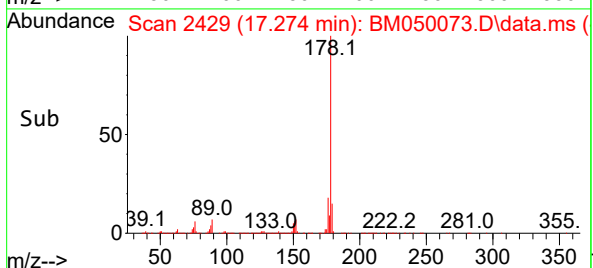
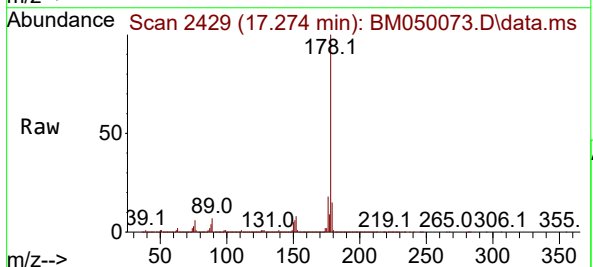
Manual Integrations
APPROVED

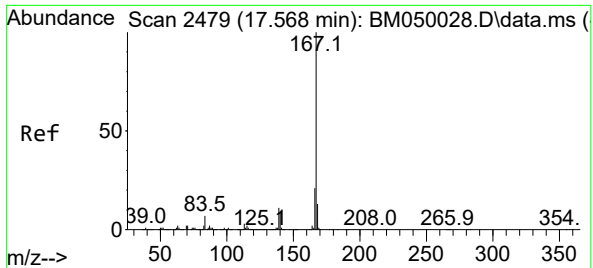
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#72
Anthracene
Concen: 28.729 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

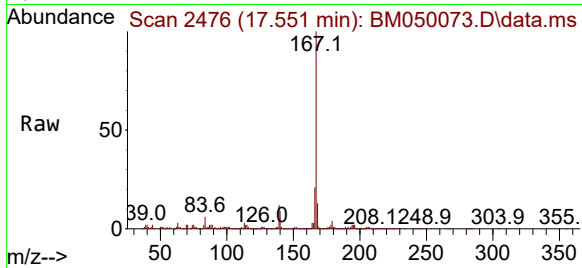
Tgt Ion:178 Resp: 2280071
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.4 12.2 18.4





#73
Carbazole
Concen: 8.960 ng
RT: 17.551 min Scan# 2476
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

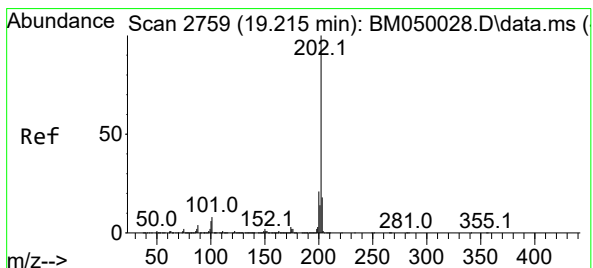
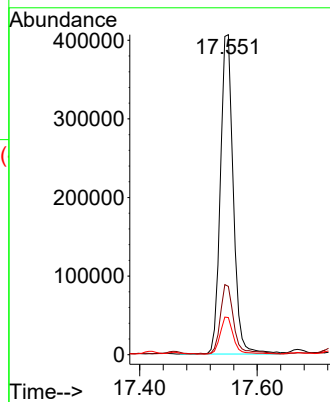
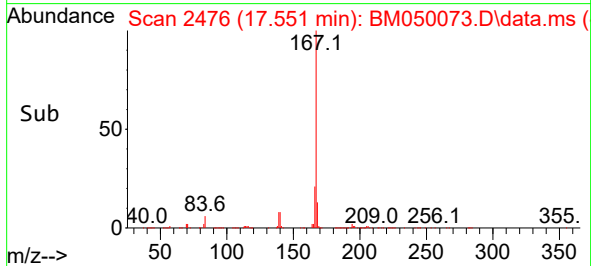
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:167 Resp: 61708
Ion Ratio Lower Upper
167 100
166 21.4 17.2 25.8
139 11.6 9.0 13.6

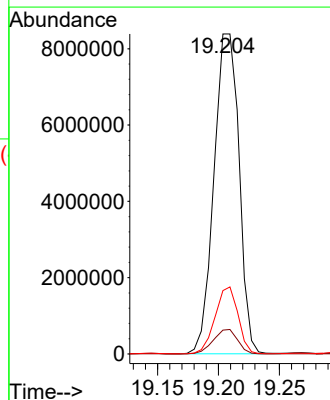
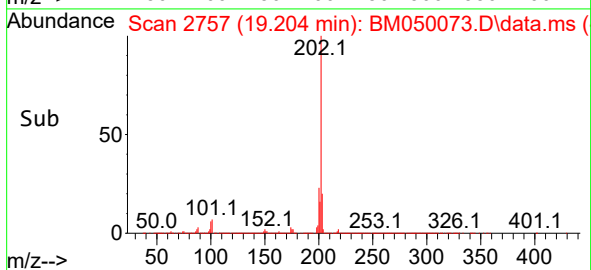
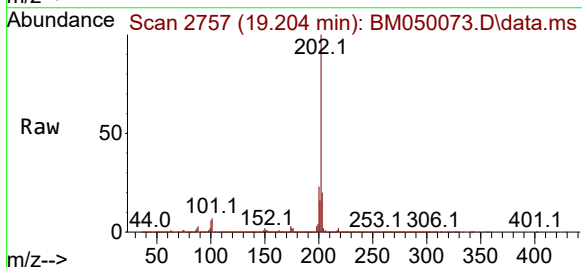
Manual Integrations
APPROVED

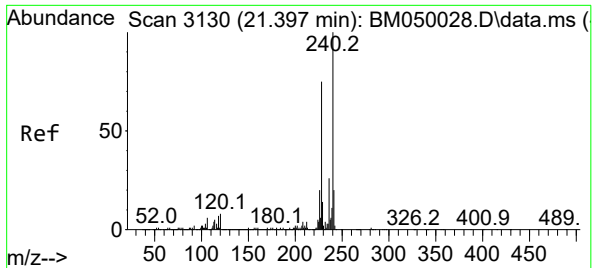
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#75
Fluoranthene
Concen: 130.672 ng
RT: 19.204 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

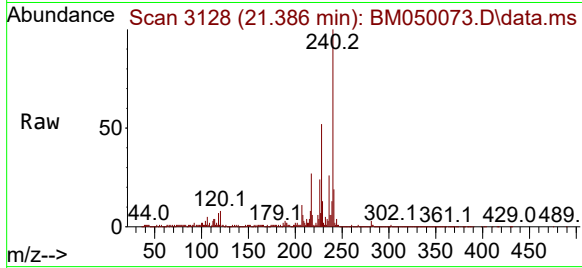
Tgt Ion:202 Resp:12031713
Ion Ratio Lower Upper
202 100
101 7.4 0.0 28.0
203 19.8 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3130
Delta R.T. -0.011 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

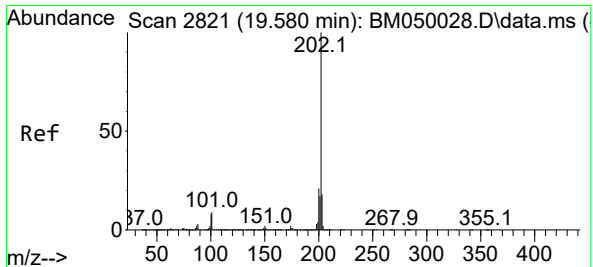
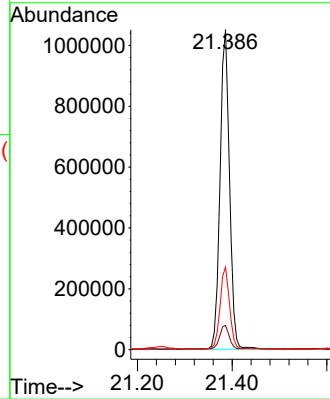
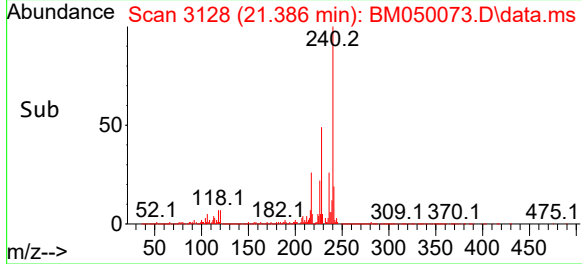
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:240 Resp: 1453480
Ion Ratio Lower Upper
240 100
120 7.5 6.5 9.7
236 25.8 20.9 31.3

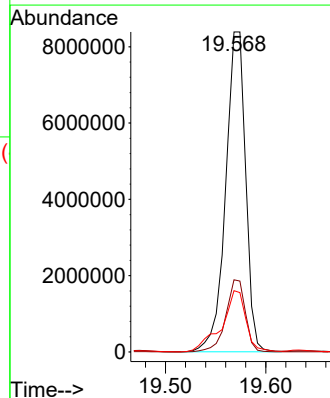
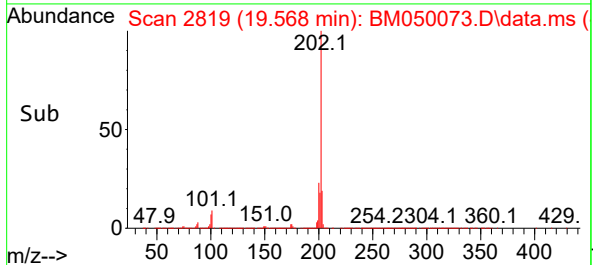
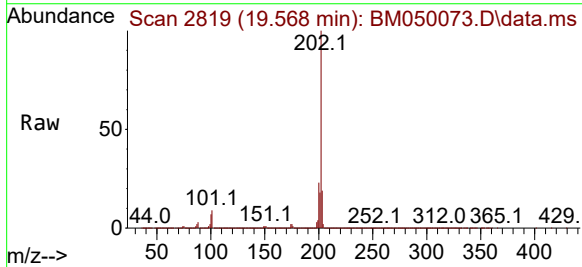
Manual Integrations
APPROVED

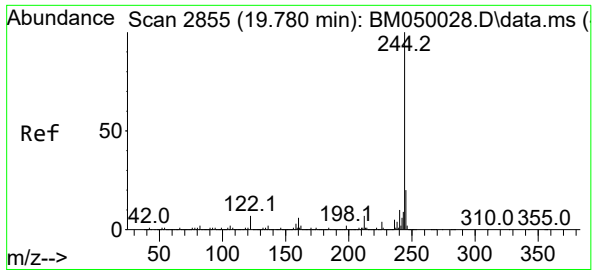
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#78
Pyrene
Concen: 113.837 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

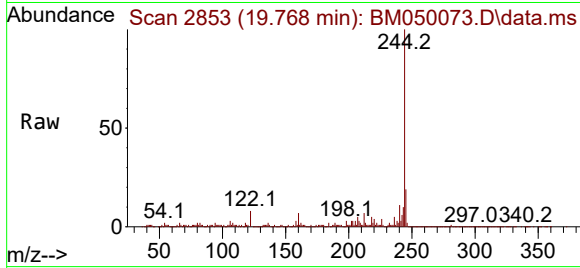
Tgt Ion:202 Resp:11619150
Ion Ratio Lower Upper
202 100
200 22.6 16.7 25.1
203 19.1 14.1 21.1





#79
Terphenyl-d14
Concen: 7.401 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

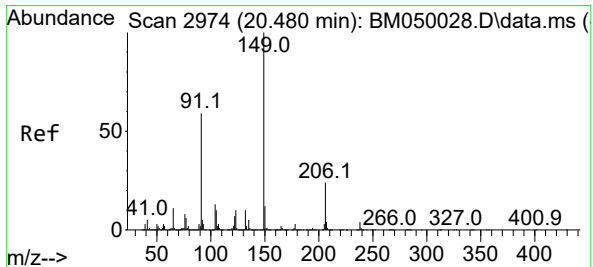
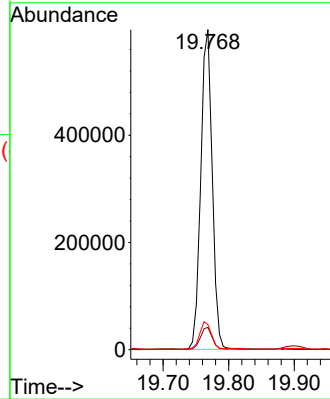
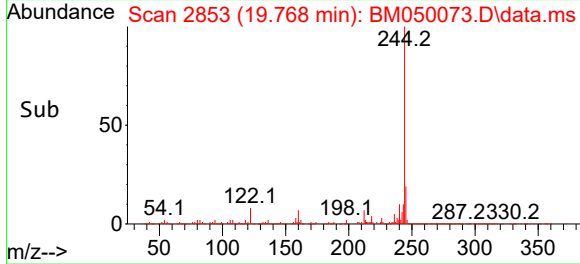
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



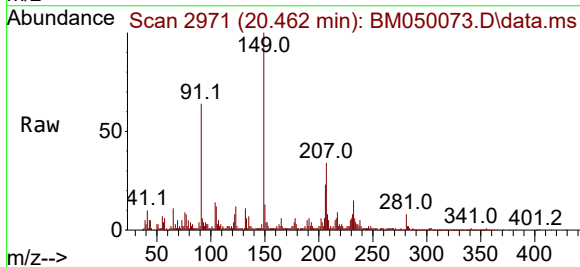
Tgt Ion:244 Resp: 726960
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 7.8 5.6 8.4

Manual Integrations
APPROVED

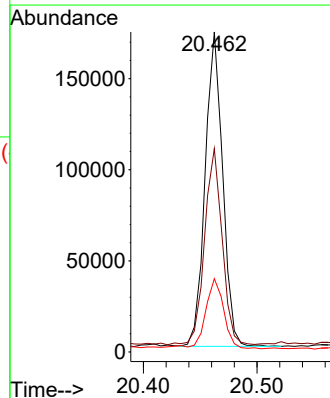
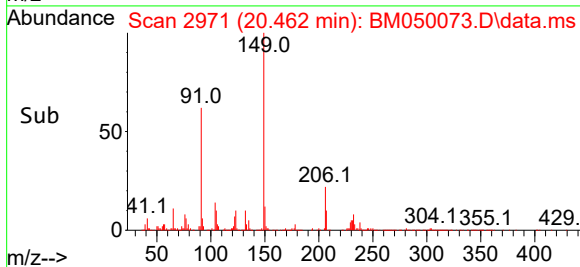
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

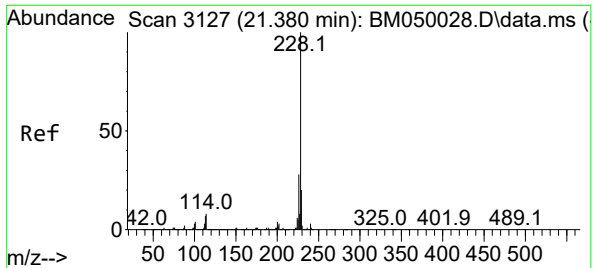


#80
Butylbenzylphthalate
Concen: 4.826 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



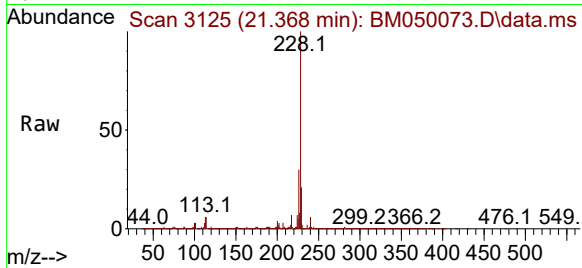
Tgt Ion:149 Resp: 184478
Ion Ratio Lower Upper
149 100
91 63.6 47.4 71.2
206 22.9 19.4 29.0





#81
Benzo(a)anthracene
Concen: 51.919 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

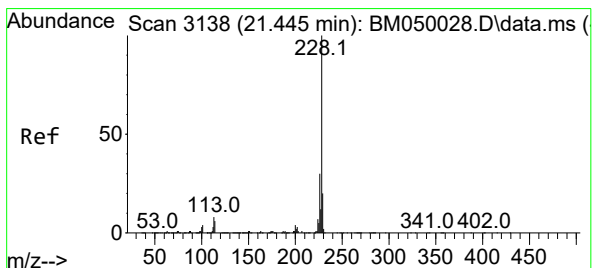
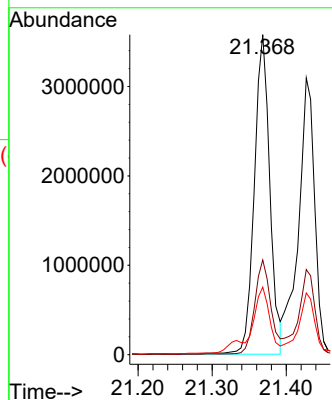
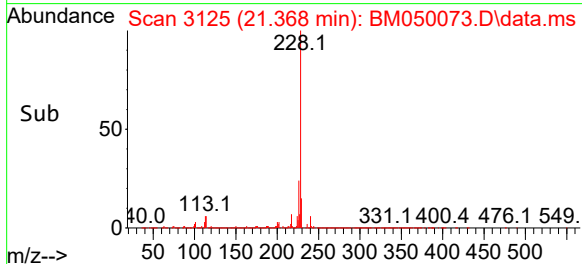
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



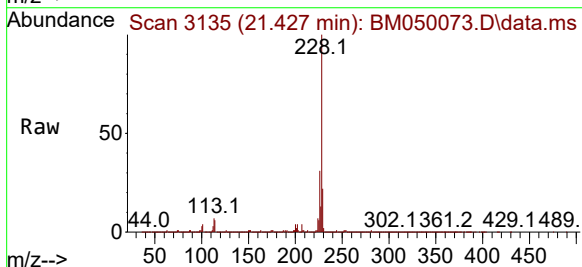
Tgt Ion:228 Resp: 5196628
Ion Ratio Lower Upper
228 100
226 29.6 22.1 33.1
229 21.1 15.7 23.5

Manual Integrations
APPROVED

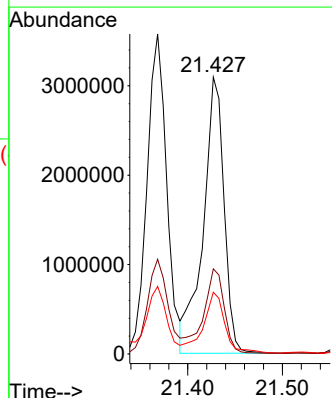
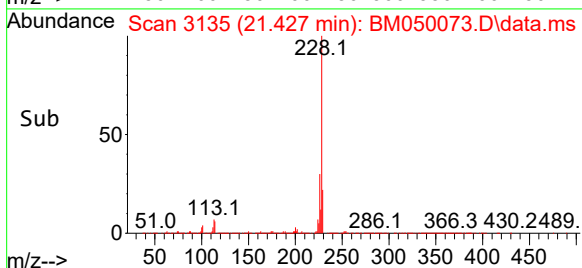
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

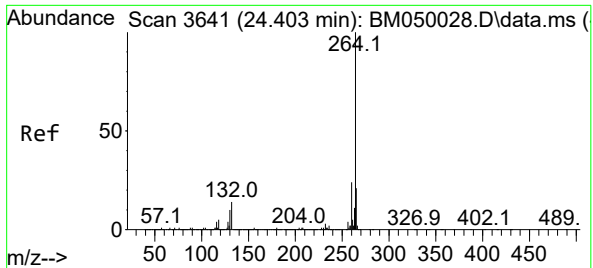


#83
Chrysene
Concen: 50.939 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



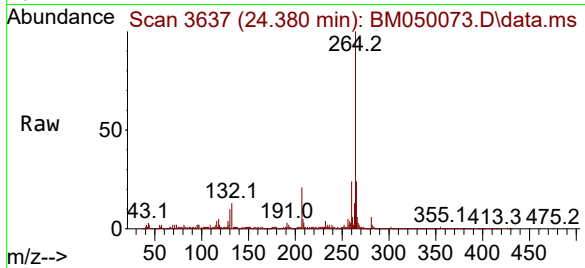
Tgt Ion:228 Resp: 4718791
Ion Ratio Lower Upper
228 100
226 30.8 24.2 36.2
229 22.3 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 30
Delta R.T. -0.023 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

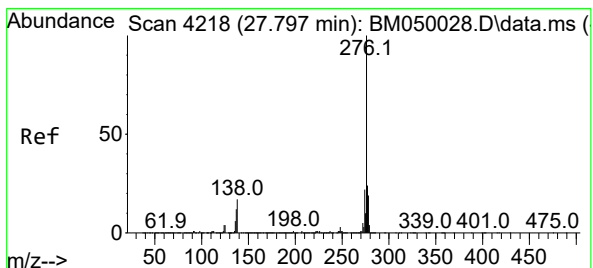
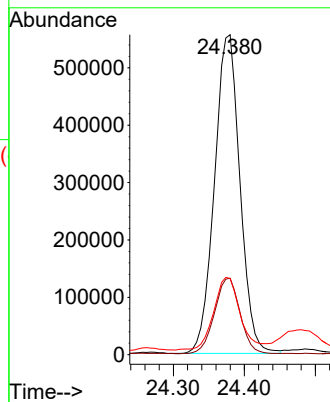
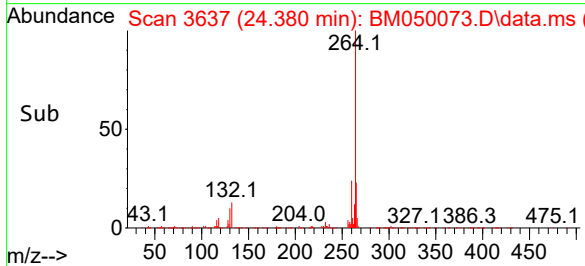
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



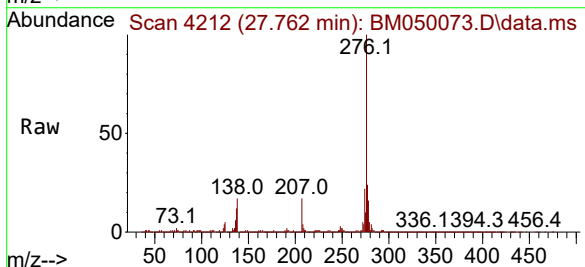
Tgt Ion:264 Resp: 1382749
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 23.8 17.0 25.4

Manual Integrations
APPROVED

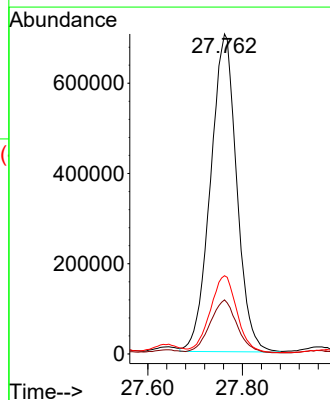
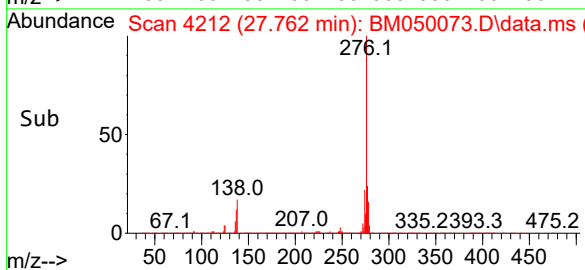
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

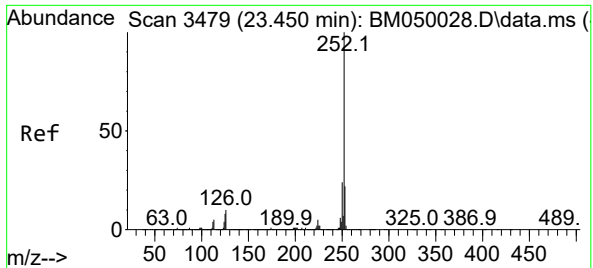


#87
Indeno(1,2,3-cd)pyrene
Concen: 26.267 ng
RT: 27.762 min Scan# 4212
Delta R.T. -0.035 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



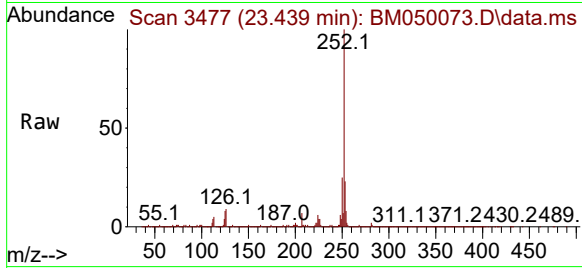
Tgt Ion:276 Resp: 2706389
Ion Ratio Lower Upper
276 100
138 17.3 16.4 24.6
277 24.7 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 57.584 ng
RT: 23.439 min Scan# 3479
Delta R.T. -0.012 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

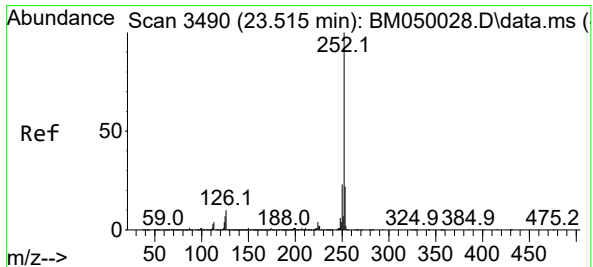
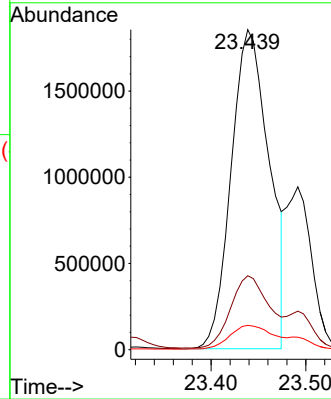
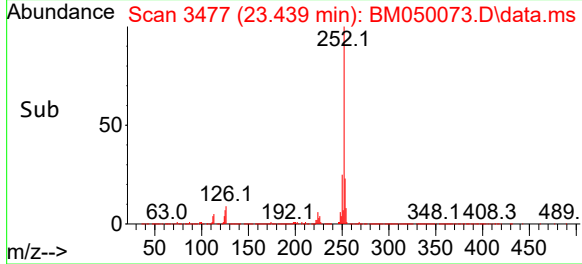
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



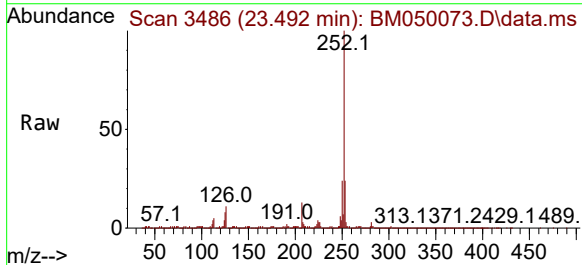
Tgt Ion:252 Resp: 517820
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 7.6 6.1 9.1

Manual Integrations
APPROVED

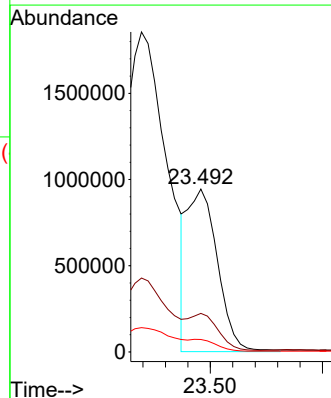
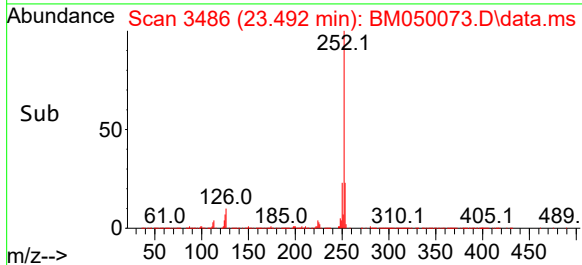
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

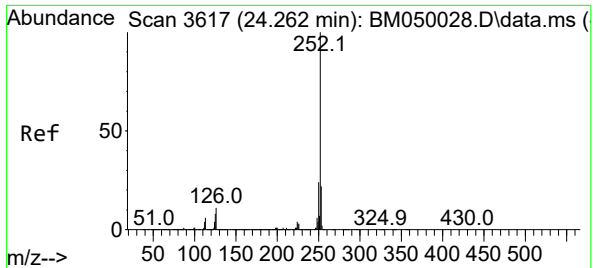


#89
Benzo(k)fluoranthene
Concen: 19.399 ng m
RT: 23.492 min Scan# 3486
Delta R.T. -0.023 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39



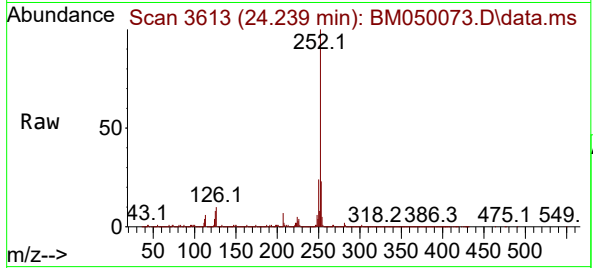
Tgt Ion:252 Resp: 1764589
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 7.7 5.8 8.8





#90
Benzo(a)pyrene
Concen: 49.830 ng
RT: 24.239 min Scan# 30
Delta R.T. -0.023 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

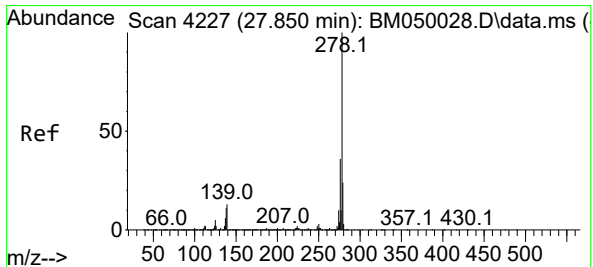
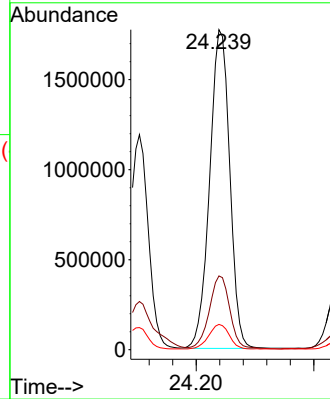
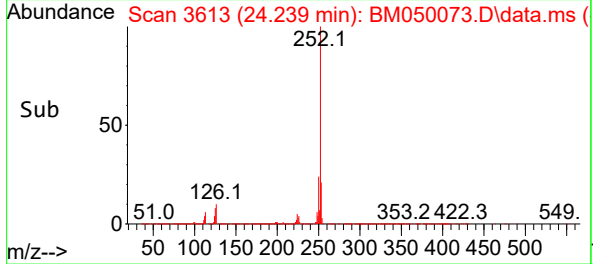
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC



Tgt Ion:252 Resp: 419688
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 7.9 6.6 9.8

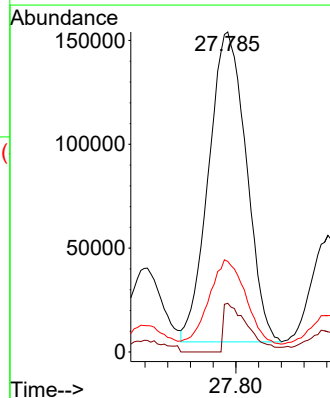
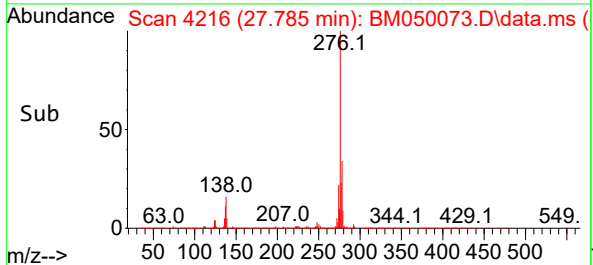
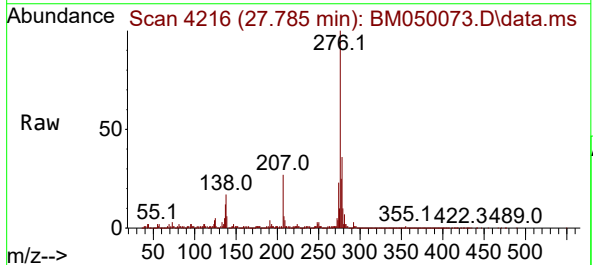
Manual Integrations
APPROVED

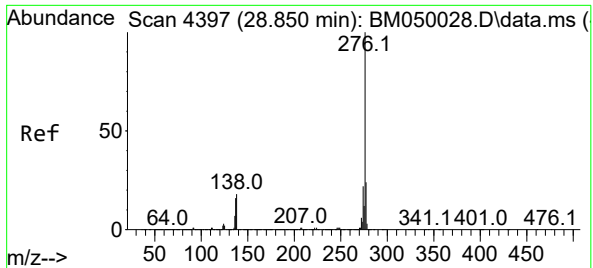
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#91
Dibenzo(a,h)anthracene
Concen: 8.172 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.065 min
Lab File: BM050073.D
Acq: 01 May 2025 20:39

Tgt Ion:278 Resp: 686323
Ion Ratio Lower Upper
278 100
139 15.2 10.5 15.7
279 28.3 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 33.055 ng

RT: 28.815 min Scan# 41

Delta R.T. -0.035 min

Lab File: BM050073.D

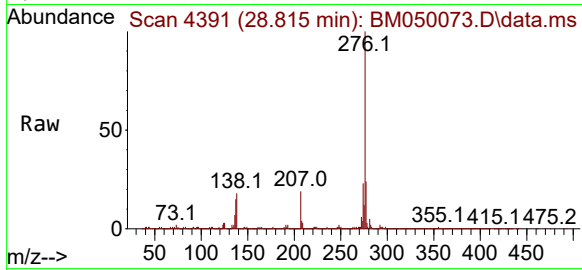
Acq: 01 May 2025 20:39

Instrument :

BNA_M

ClientSampleId :

CO-8R-WC



Tgt Ion:276 Resp: 265787

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

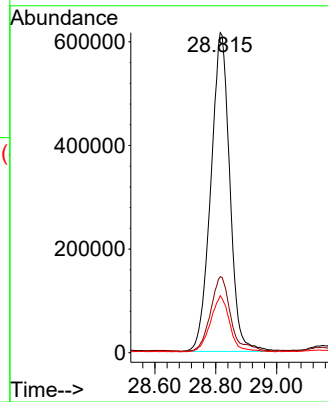
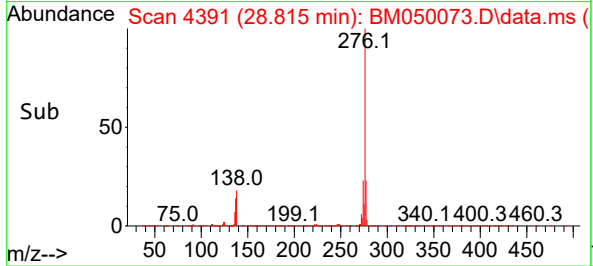
138 17.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050073.D
 Acq On : 01 May 2025 20:39
 Operator : RC/JU
 Sample : Q1907-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WC

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050073.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.346	395	401	417	rBV	476500	824293	3.11%	0.319%
2	6.940	666	672	687	rVB	389251	770107	2.90%	0.298%
3	7.746	802	809	819	rBV	857364	1448708	5.46%	0.560%
4	8.910	1000	1007	1017	rBV	234210	482326	1.82%	0.186%
5	10.539	1275	1284	1290	rBV	1050820	1883417	7.10%	0.728%
6	10.592	1290	1293	1301	rVB	180781	309254	1.17%	0.120%
7	13.010	1698	1704	1715	rBV	863225	1357010	5.11%	0.524%
8	13.716	1817	1824	1829	rBV	220804	396103	1.49%	0.153%
9	14.116	1883	1892	1905	rBV	466007	755495	2.85%	0.292%
10	14.392	1930	1939	1945	rBV	1903772	2828926	10.66%	1.093%
11	14.457	1945	1950	1958	rVB	1366861	1960924	7.39%	0.758%
12	14.704	1985	1992	1997	rBV2	154650	267203	1.01%	0.103%
13	14.792	2001	2007	2015	rVV	875216	1323978	4.99%	0.512%
14	15.445	2112	2118	2129	rVB	1573634	2341118	8.82%	0.905%
15	15.569	2136	2139	2142	rVV	240673	321052	1.21%	0.124%
16	15.604	2142	2145	2150	rVB2	225904	326769	1.23%	0.126%
17	15.745	2163	2169	2177	rVB2	428867	922249	3.48%	0.356%
18	15.892	2184	2194	2201	rBV	1076774	1900645	7.16%	0.734%
19	15.974	2201	2208	2215	rVB3	108545	272617	1.03%	0.105%
20	16.127	2228	2234	2240	rVB5	154311	277328	1.04%	0.107%
21	16.451	2277	2289	2293	rBV3	373809	921253	3.47%	0.356%
22	16.498	2293	2297	2302	rVB3	243671	351740	1.33%	0.136%
23	16.721	2330	2335	2343	rVB2	261603	443525	1.67%	0.171%
24	16.798	2344	2348	2355	rVB	475286	703107	2.65%	0.272%
25	16.892	2356	2364	2371	rBV2	313615	763916	2.88%	0.295%
26	16.963	2371	2376	2385	rVB	836583	1274738	4.80%	0.493%
27	17.139	2401	2406	2409	rBV	2254077	3167676	11.94%	1.224%
28	17.186	2409	2414	2420	rVV	16207309	22888703	86.25%	8.845%
29	17.274	2420	2429	2435	rVV	3642835	5113735	19.27%	1.976%
30	17.339	2435	2440	2445	rVV2	268560	453788	1.71%	0.175%
31	17.545	2468	2475	2489	rBV2	935277	1747189	6.58%	0.675%
32	17.663	2491	2495	2499	rBV	260530	329535	1.24%	0.127%
33	17.721	2501	2505	2510	rBV2	331482	480468	1.81%	0.186%
34	17.863	2525	2529	2538	rVB	211905	377819	1.42%	0.146%
35	18.015	2550	2555	2559	rBV	2381668	3190195	12.02%	1.233%
36	18.068	2559	2564	2569	rVB	2945690	4096078	15.43%	1.583%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.145	2572	2577	2582	rBV	880515	1160719	4.37%	0.449%
38	18.210	2582	2588	2592	rVV2	2868453	5074455	19.12%	1.961%
39	18.251	2592	2595	2601	rVB	1594372	2068942	7.80%	0.800%
40	18.327	2604	2608	2612	rBV3	175189	265601	1.00%	0.103%
41	18.415	2619	2623	2627	rBV2	194149	286219	1.08%	0.111%
42	18.515	2636	2640	2644	rBV	1392755	1834337	6.91%	0.709%
43	18.562	2644	2648	2657	rVB2	1109503	1670147	6.29%	0.645%
44	18.645	2658	2662	2665	rBV	272183	325682	1.23%	0.126%
45	18.762	2674	2682	2687	rBV2	778515	1354305	5.10%	0.523%
46	18.815	2688	2691	2695	rVV	492700	667127	2.51%	0.258%
47	18.857	2695	2698	2702	rVB	394835	493481	1.86%	0.191%
48	18.939	2707	2712	2716	rBV	1219010	1938112	7.30%	0.749%
49	19.004	2718	2723	2726	rVV2	655800	1301401	4.90%	0.503%
50	19.033	2726	2728	2731	rVB	420762	397049	1.50%	0.153%
51	19.080	2731	2736	2743	rBV3	791866	1501319	5.66%	0.580%
52	19.210	2751	2758	2763	rBV	19720750	26538849	100.00%	10.255%
53	19.262	2763	2767	2771	rBV2	346196	435687	1.64%	0.168%
54	19.304	2771	2774	2779	rVB	450291	573916	2.16%	0.222%
55	19.404	2786	2791	2794	rBV3	273336	489900	1.85%	0.189%
56	19.445	2794	2798	2802	rBV	494894	612463	2.31%	0.237%
57	19.568	2815	2819	2827	rVB	17813516	24796893	93.44%	9.582%
58	19.639	2827	2831	2838	rVB2	795597	1284209	4.84%	0.496%
59	19.762	2844	2852	2856	rBV2	1595113	2874785	10.83%	1.111%
60	19.809	2856	2860	2865	rVB	629447	1029600	3.88%	0.398%
61	19.892	2868	2874	2881	rBV3	1004133	2565429	9.67%	0.991%
62	20.027	2892	2897	2899	rBV4	860281	1417650	5.34%	0.548%
63	20.062	2899	2903	2908	rVB2	2481681	3390214	12.77%	1.310%
64	20.162	2916	2920	2924	rBV	1657310	2025254	7.63%	0.783%
65	20.221	2924	2930	2934	rVV2	1681965	2596685	9.78%	1.003%
66	20.257	2934	2936	2940	rVV2	489979	594055	2.24%	0.230%
67	20.304	2941	2944	2948	rVB3	277524	343510	1.29%	0.133%
68	20.362	2950	2954	2957	rVV	1039398	1353779	5.10%	0.523%
69	20.404	2957	2961	2965	rVV	1165192	1578737	5.95%	0.610%
70	20.462	2968	2971	2974	rVB	606964	614110	2.31%	0.237%
71	20.774	3021	3024	3027	rBV2	250910	353930	1.33%	0.137%
72	20.815	3027	3031	3037	rVB	1191916	1617068	6.09%	0.625%
73	20.986	3054	3060	3064	rBV3	1175286	2079009	7.83%	0.803%
74	21.027	3064	3067	3070	rVV	1401288	1694674	6.39%	0.655%
75	21.074	3070	3075	3080	rVV2	1099211	2163308	8.15%	0.836%
76	21.133	3081	3085	3092	rVB	1017140	1615437	6.09%	0.624%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.368	3120	3125	3131	rBV2	8817139	16597388	62.54%	6.414%
78	21.427	3131	3135	3147	rVB	7701977	11587144	43.66%	4.478%
79	21.527	3148	3152	3155	rBV2	384664	558707	2.11%	0.216%
80	21.568	3155	3159	3167	rVB	1012084	1479456	5.57%	0.572%
81	21.768	3188	3193	3199	rVB2	683752	1290883	4.86%	0.499%
82	22.068	3241	3244	3249	rVB	1175014	1669452	6.29%	0.645%
83	22.133	3252	3255	3263	rVB	643359	1075758	4.05%	0.416%
84	22.321	3283	3287	3290	rBV	547382	809582	3.05%	0.313%
85	23.439	3469	3477	3484	rBV	4553359	13352808	50.31%	5.160%
86	23.674	3512	3517	3524	rVB	822882	1583637	5.97%	0.612%
87	24.103	3583	3590	3602	rVB	2922951	7342122	27.67%	2.837%
88	24.239	3605	3613	3624	rVB	4306562	10375763	39.10%	4.010%
89	24.380	3630	3637	3642	rBV	1312289	3121980	11.76%	1.206%
90	24.444	3644	3648	3662	rVB2	1122322	2902816	10.94%	1.122%
91	27.762	4203	4212	4232	rVB2	1860386	7572559	28.53%	2.926%
92	28.815	4383	4391	4406	rVB	1395164	5205797	19.62%	2.012%

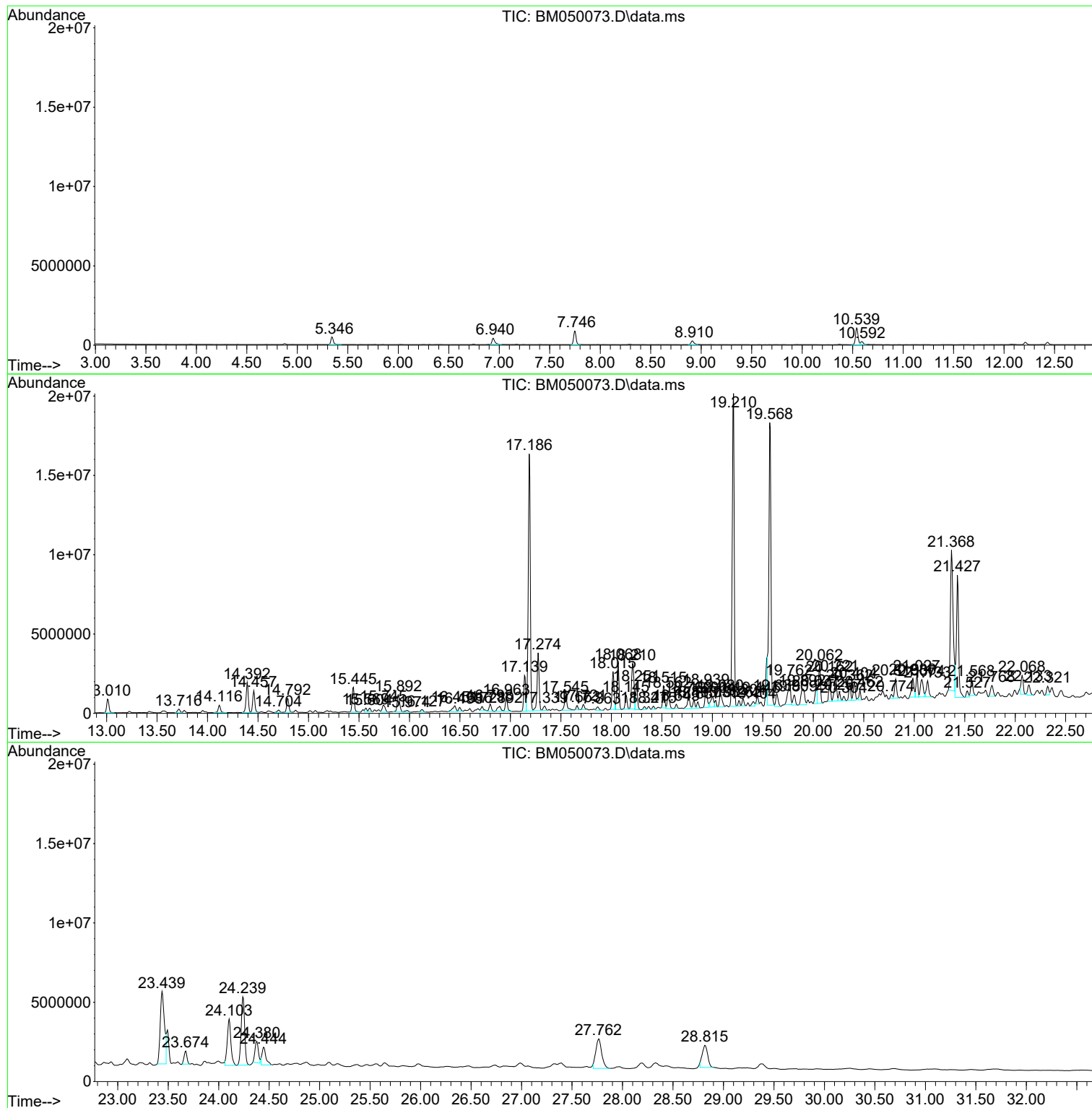
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

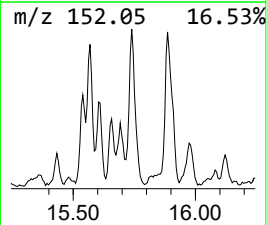
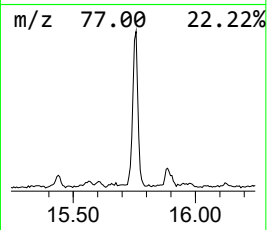
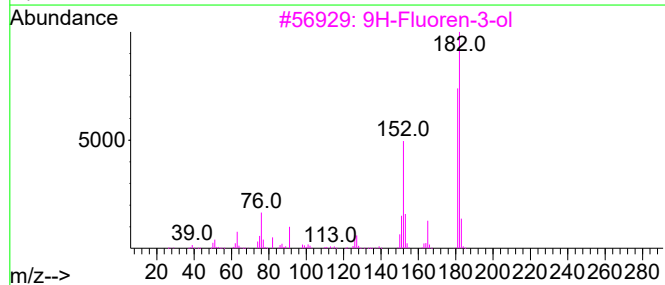
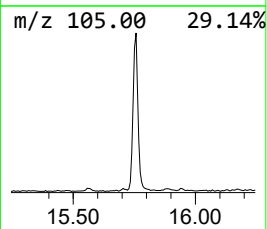
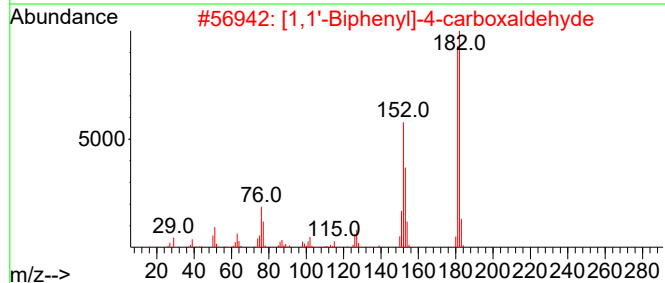
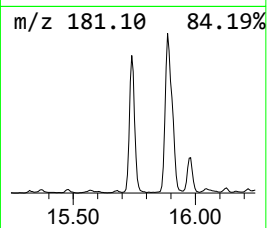
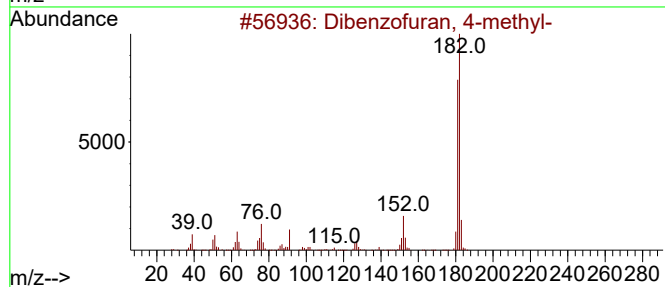
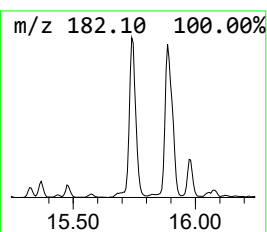
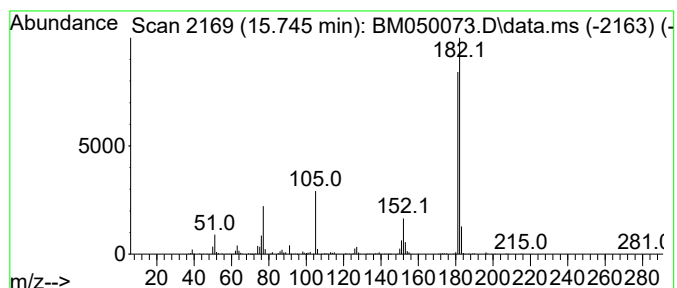
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.745	6.52 ng	922249	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
2			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
3			9H-Fluoren-3-ol	182	C13H10O	006344-67-8	72
4			1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	58
5			Norharmene, N-methyl-	182	C12H10N2	1010374-78-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

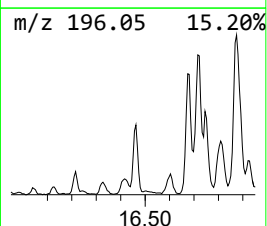
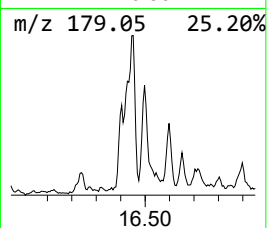
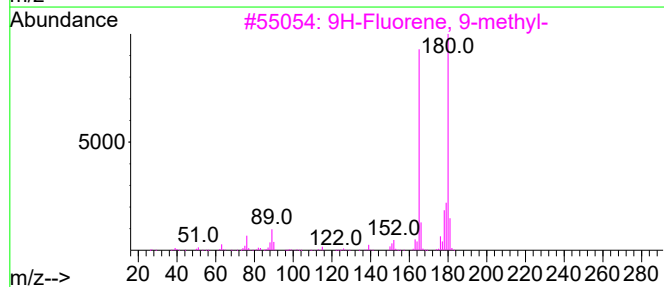
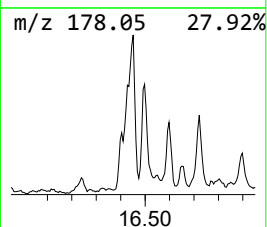
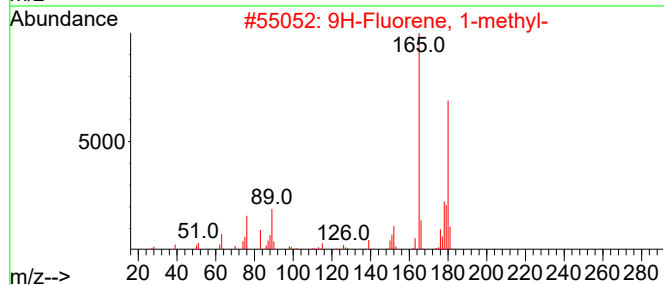
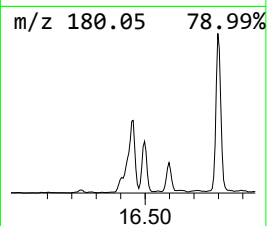
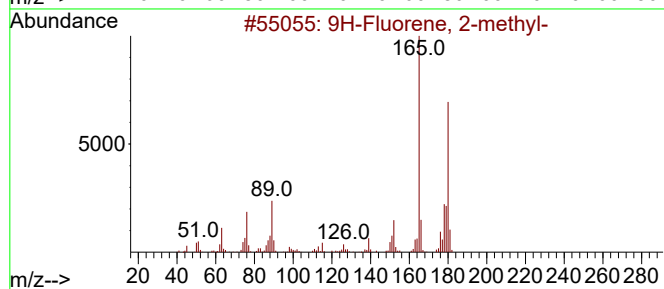
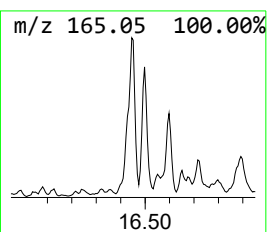
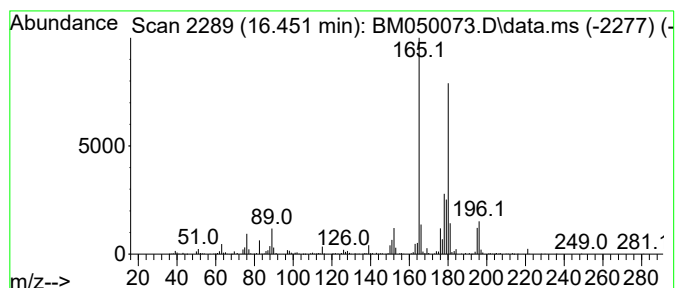
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.451	5.82 ng	921253	Phenanthrene-d10	17.139

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

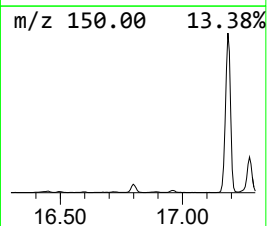
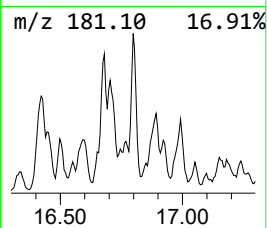
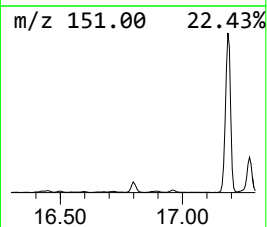
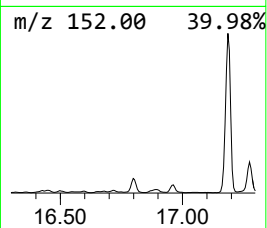
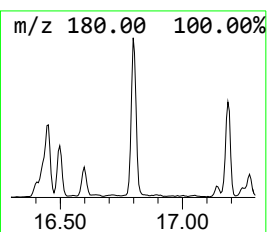
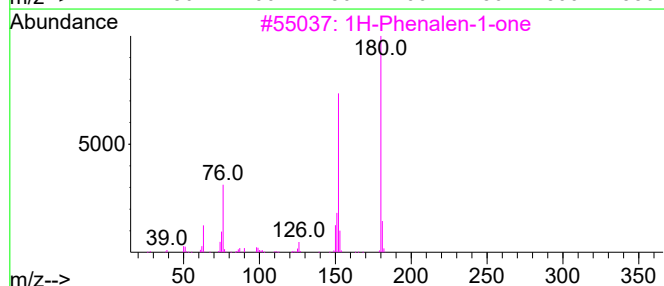
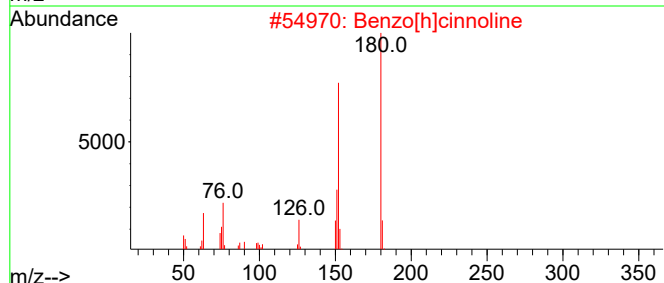
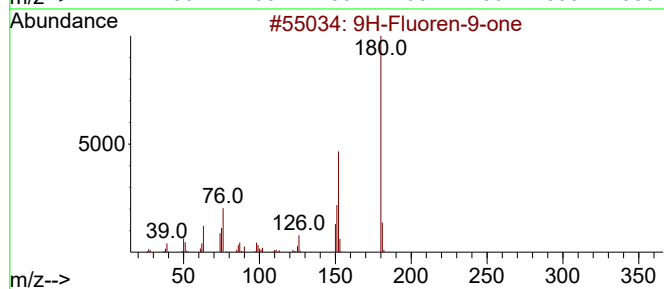
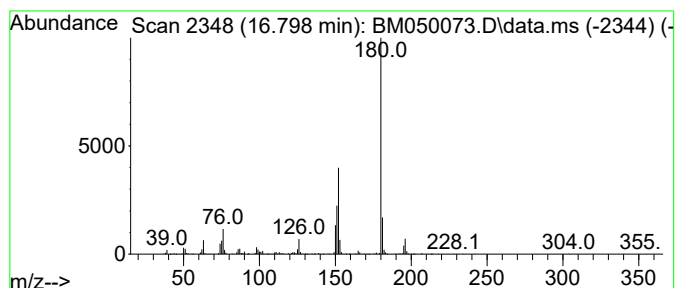
Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.798	4.44 ng	703107	Phenanthrene-d10	17.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

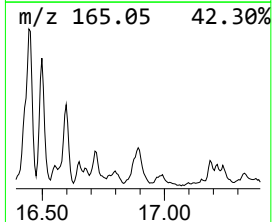
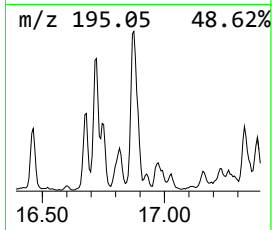
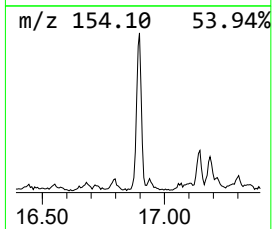
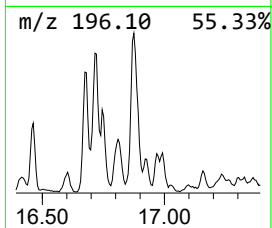
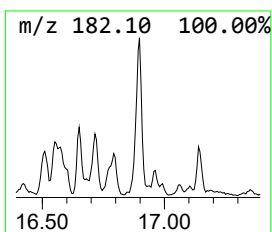
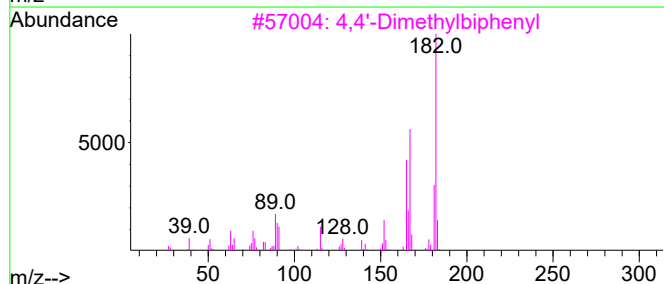
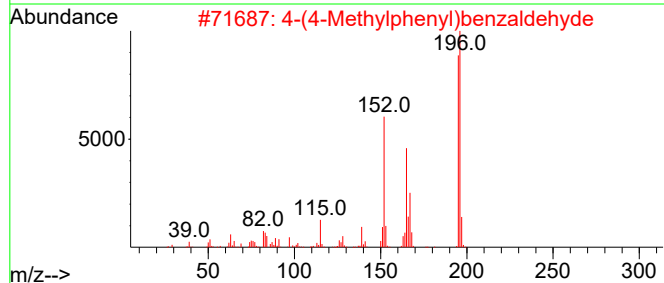
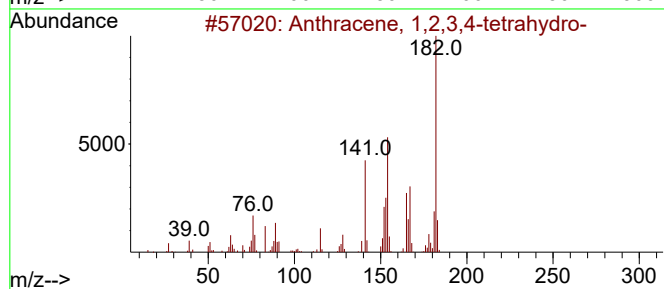
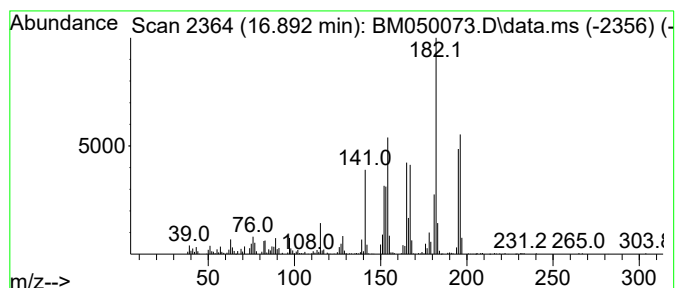
Instrument :
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ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.892	4.82 ng	763916	Phenanthrene-d10	17.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	94
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	70
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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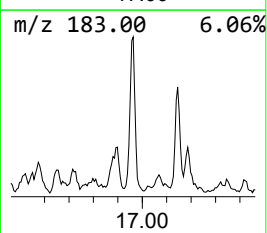
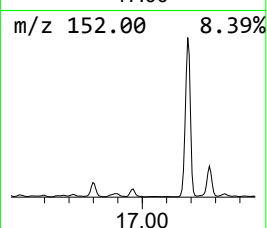
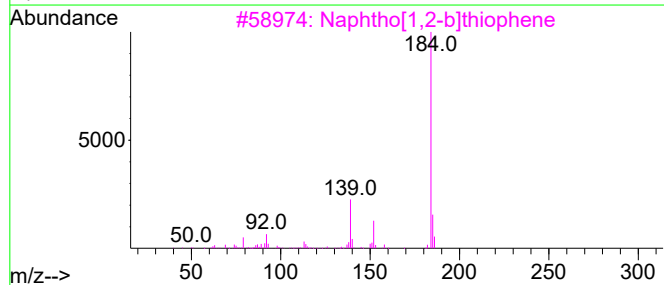
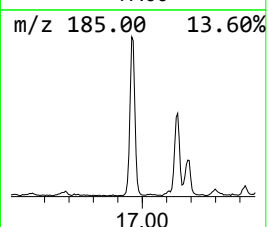
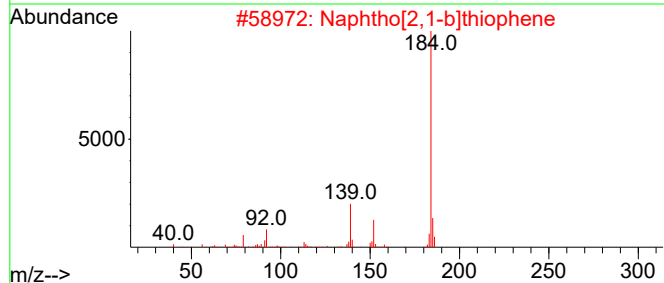
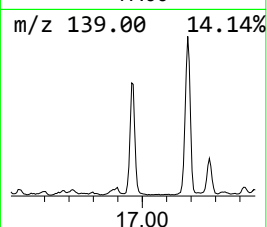
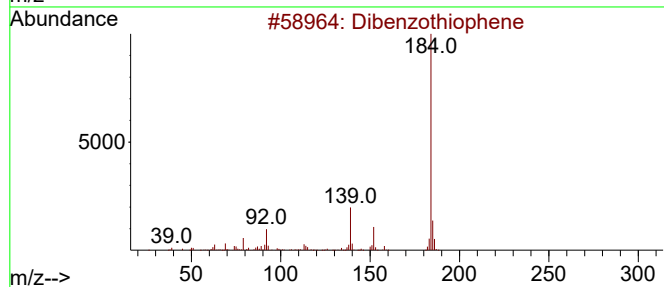
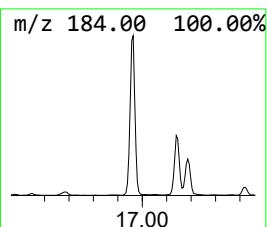
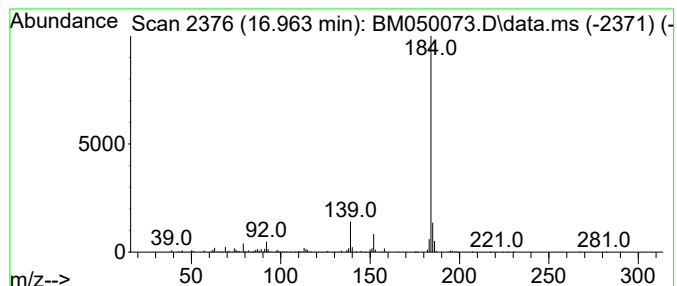
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.963	8.05 ng	1274740	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzothiophene	184	C12H8S	000132-65-0	97
2			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
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Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

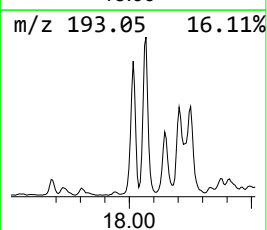
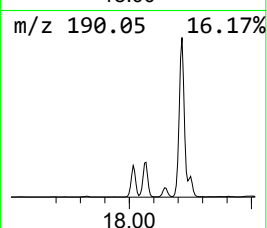
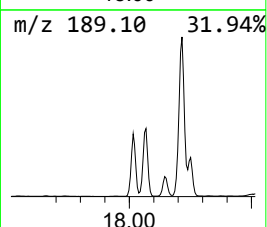
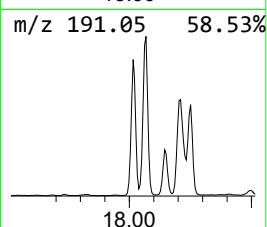
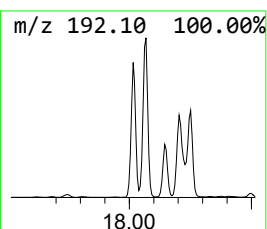
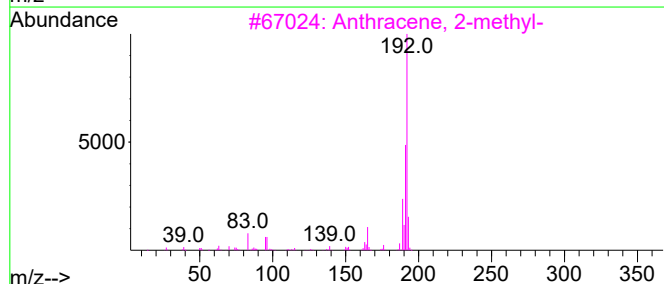
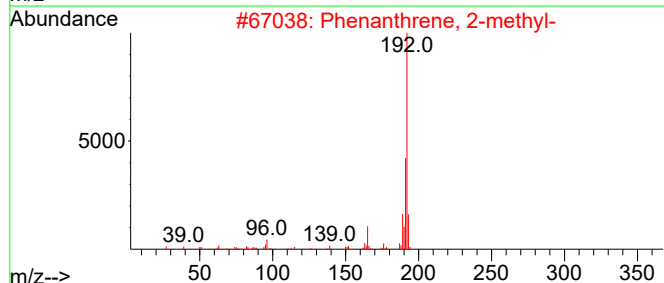
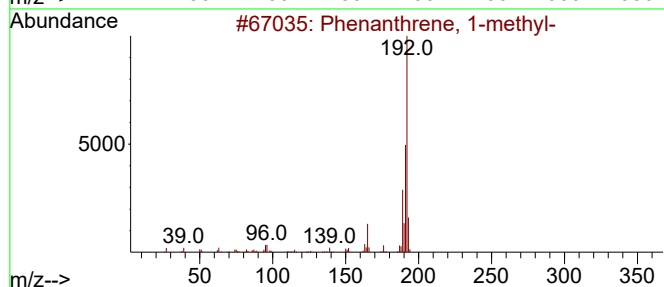
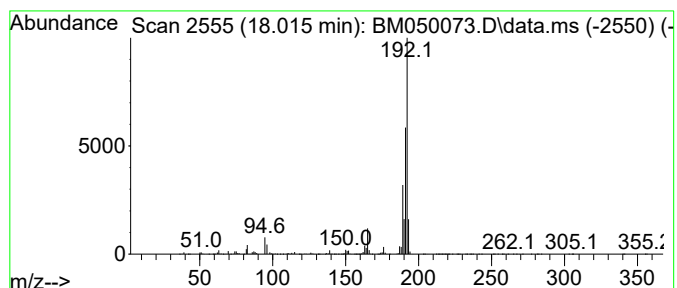
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.015	20.14 ng	3190200	Phenanthrene-d10	17.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

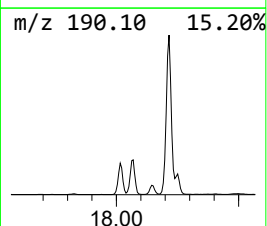
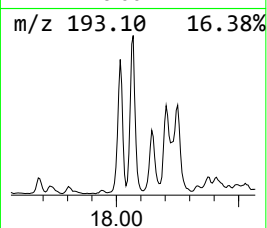
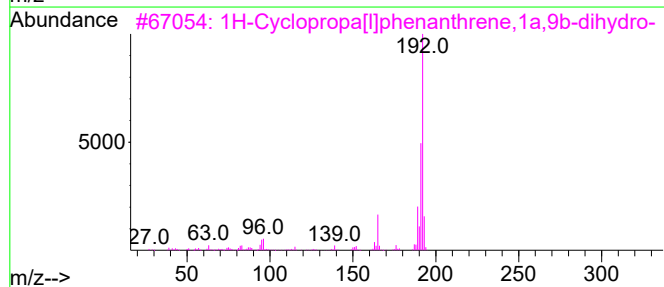
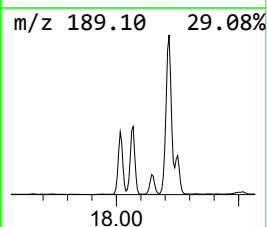
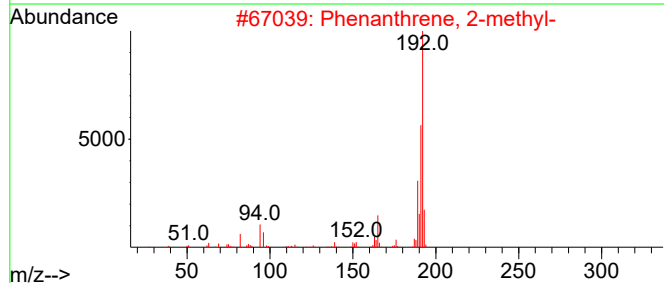
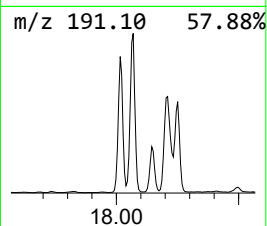
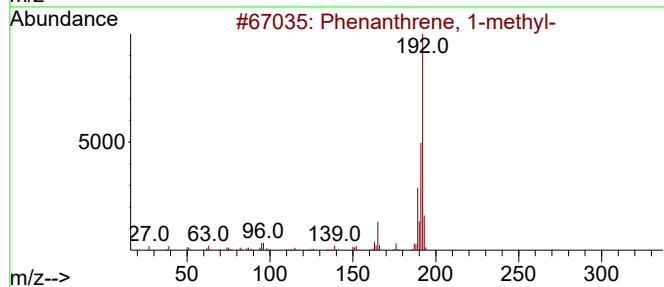
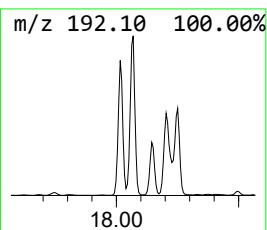
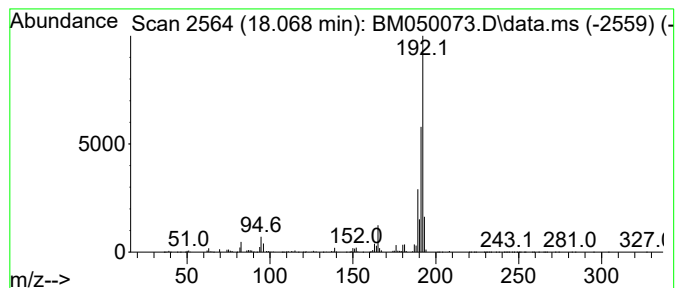
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.068	25.86 ng	4096080	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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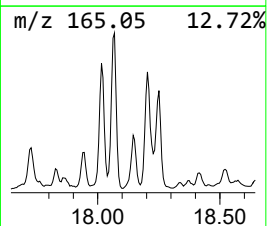
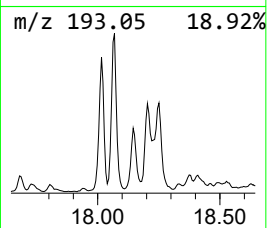
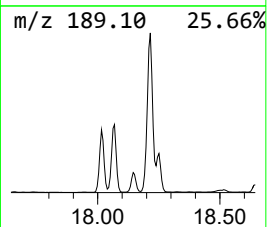
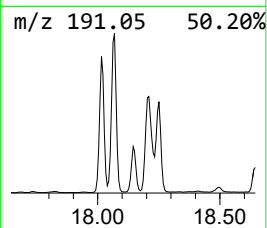
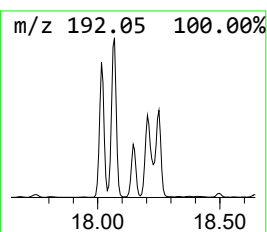
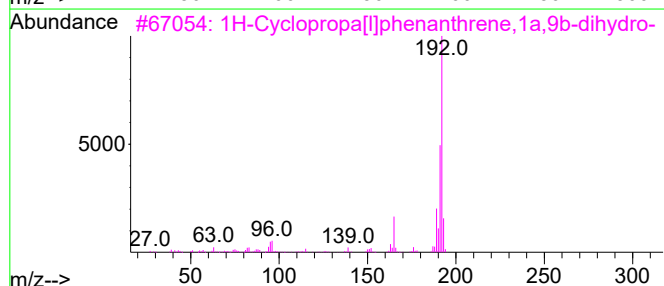
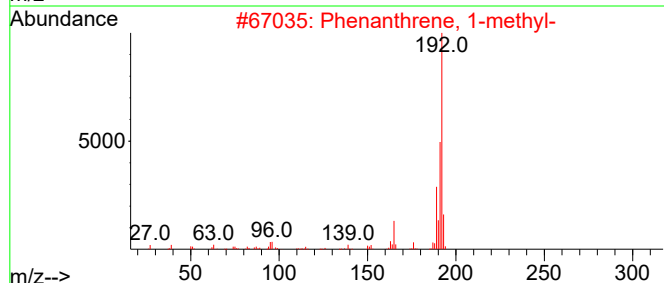
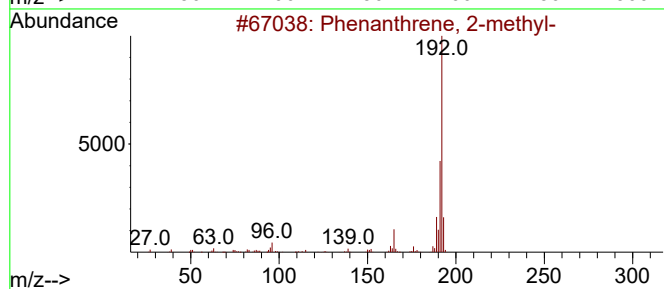
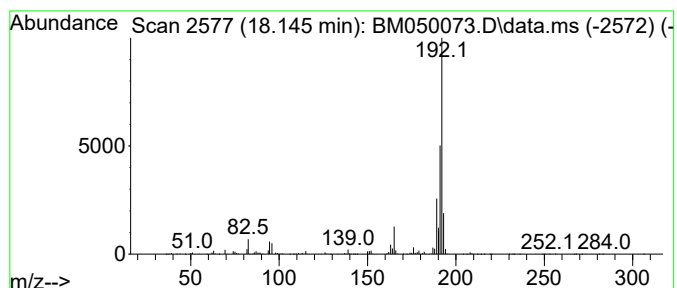
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.145	7.33 ng	1160720	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
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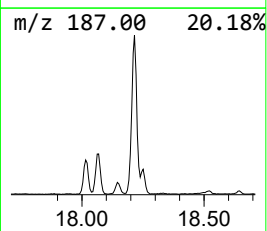
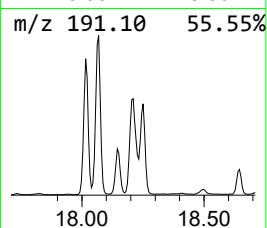
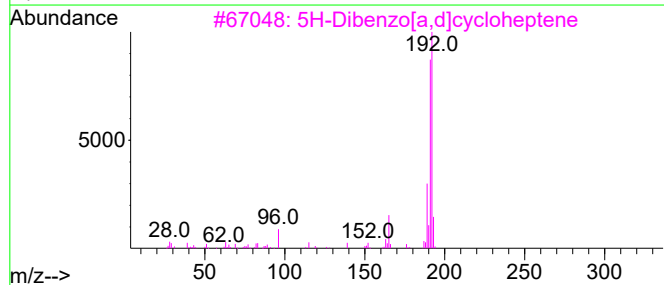
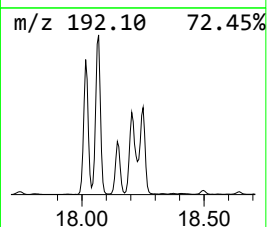
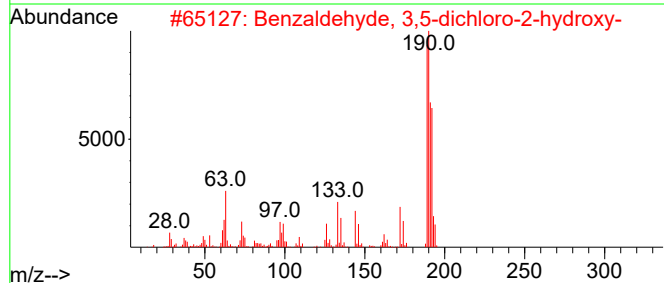
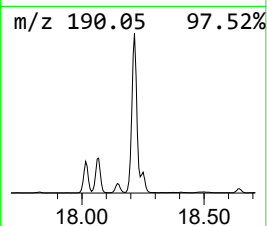
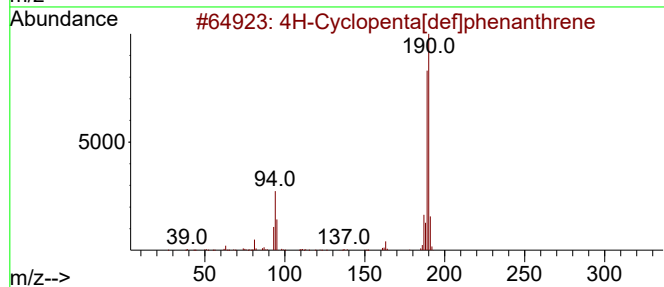
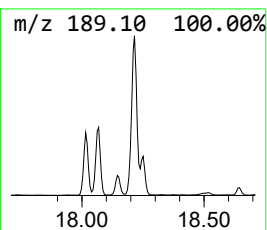
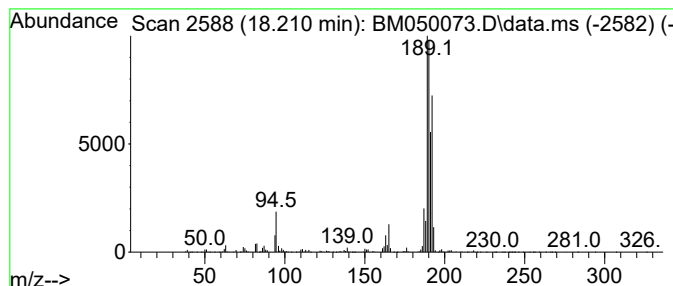
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.210	32.04 ng	5074460	Phenanthrene-d10		17.139	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...		190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene		192	C15H12	000256-81-5	38
4	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	25
5	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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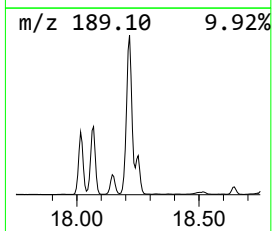
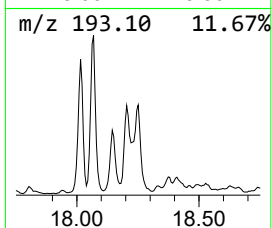
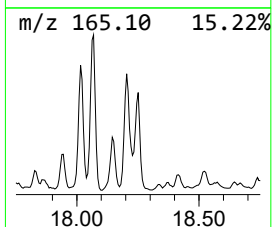
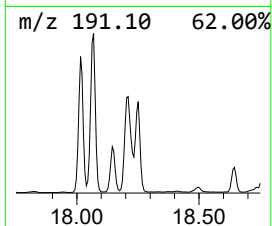
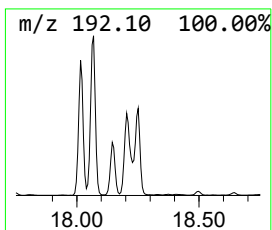
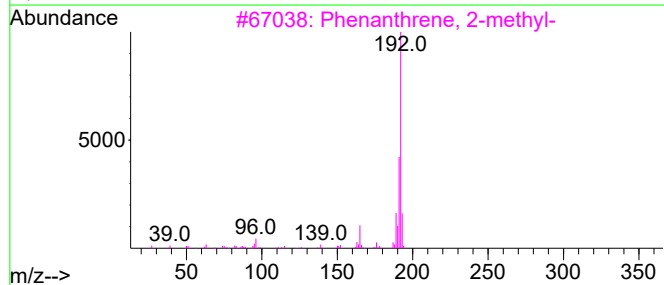
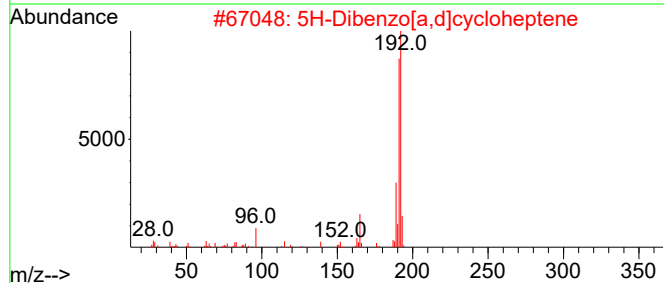
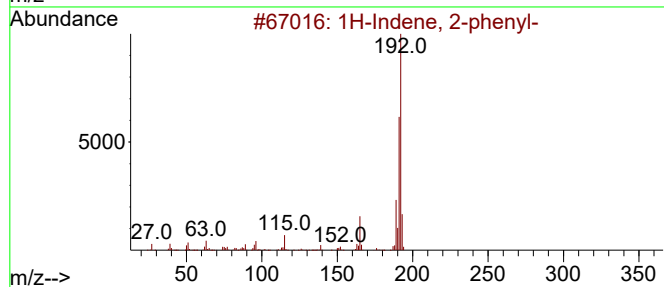
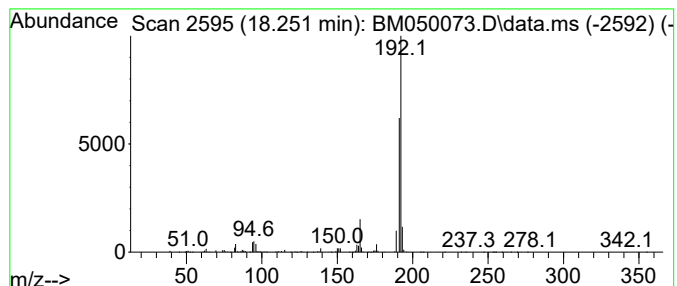
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	13.06 ng	2068940	Phenanthrene-d10	17.139

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
2		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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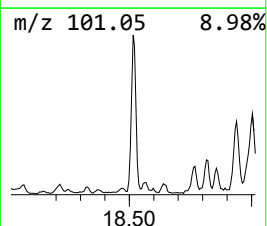
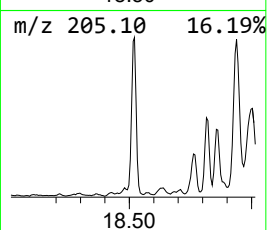
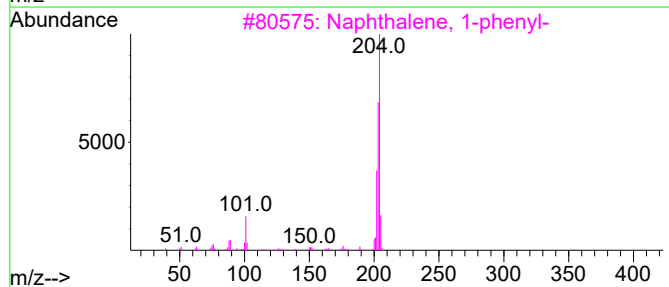
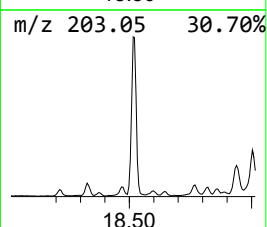
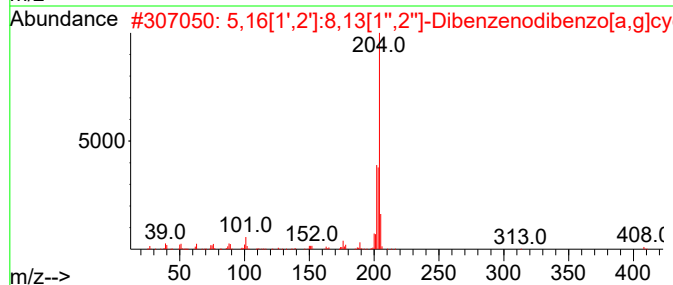
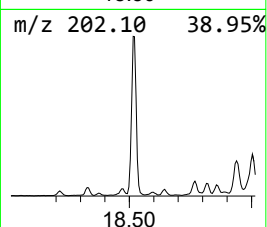
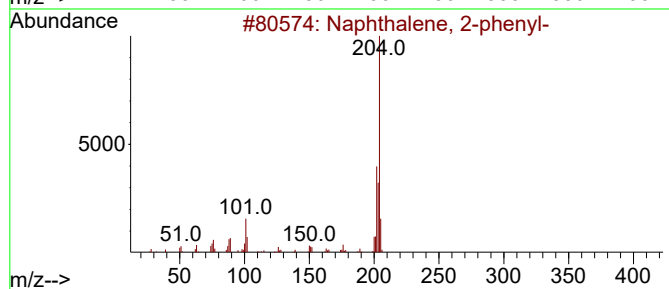
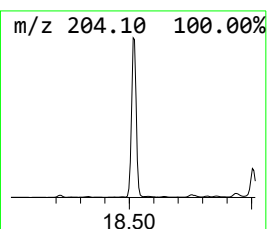
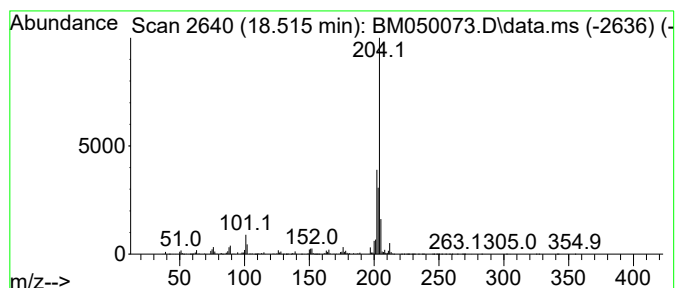
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.515	11.58 ng	1834340	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CO-8R-WC

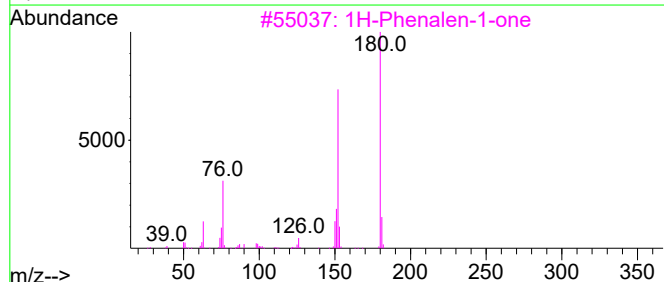
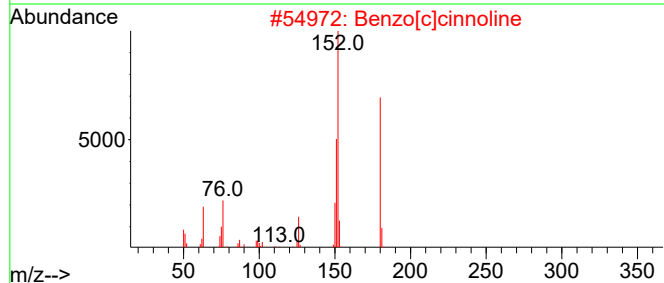
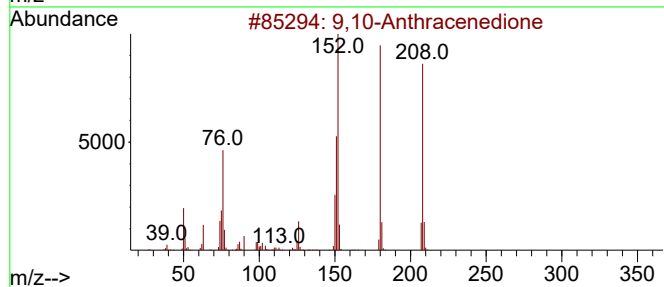
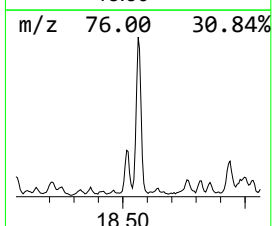
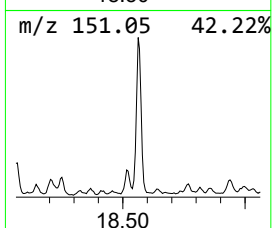
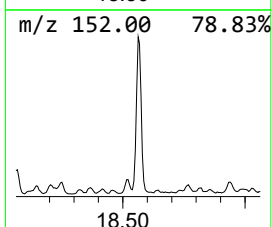
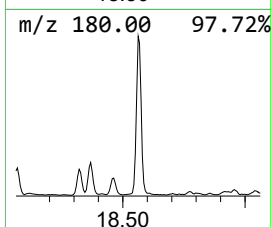
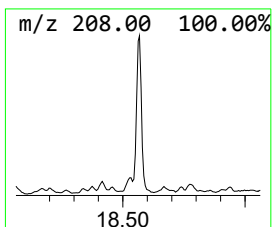
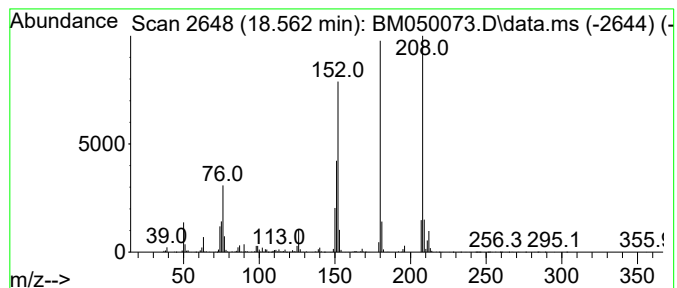
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	10.54 ng	1670150	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4			2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	53
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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Acq On : 01 May 2025 20:39
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Sample : Q1907-01 5X
Misc :
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Instrument :
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ClientSampleId :
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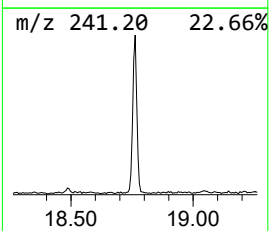
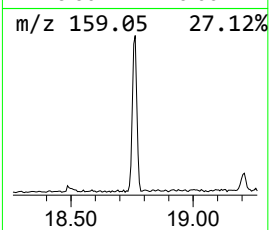
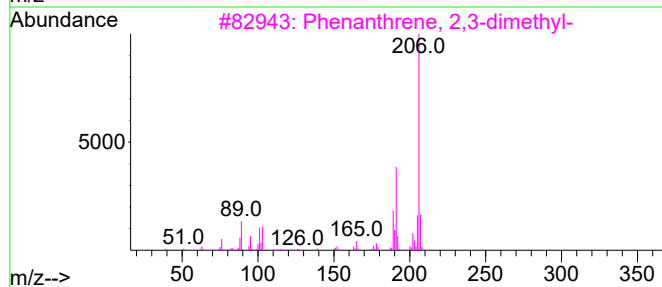
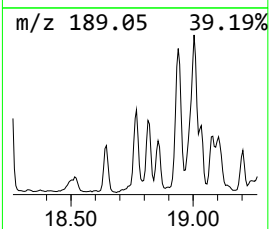
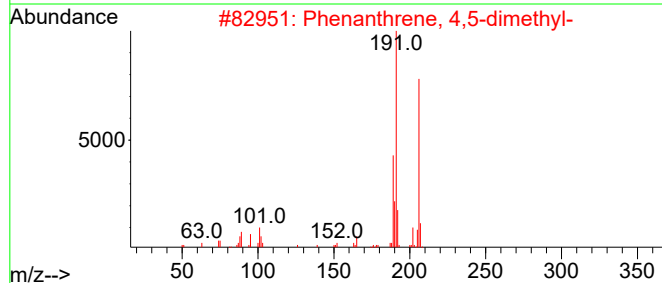
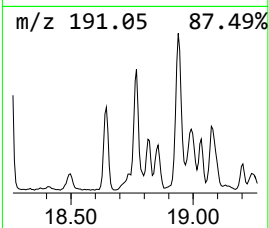
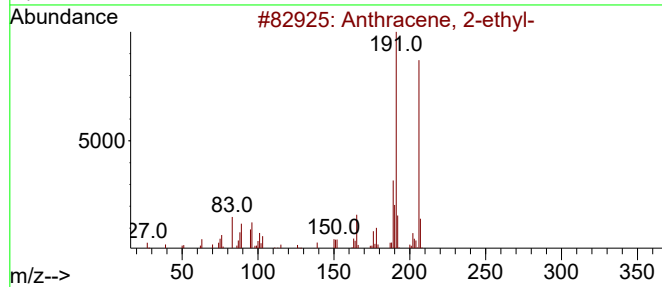
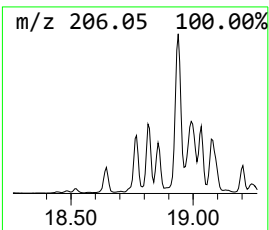
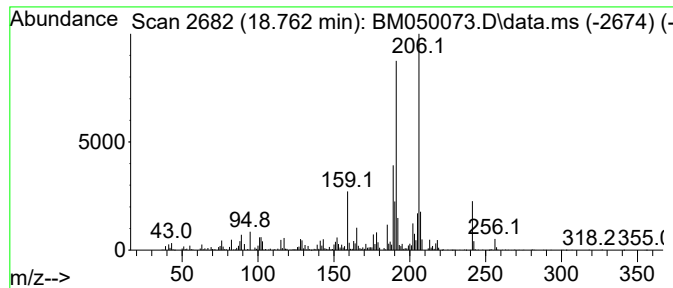
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.762	8.55 ng	1354310	Phenanthrene-d10	17.139

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	94
2		Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4		9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
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Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

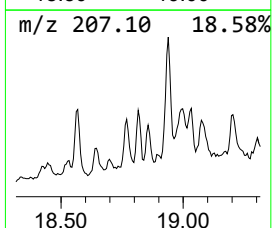
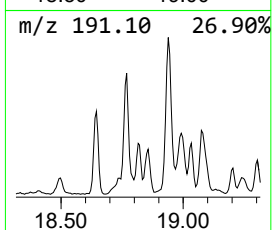
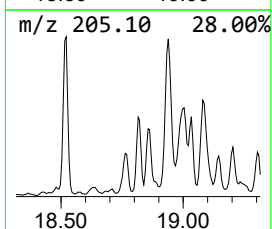
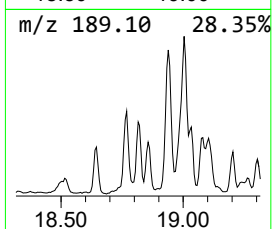
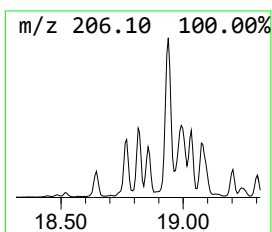
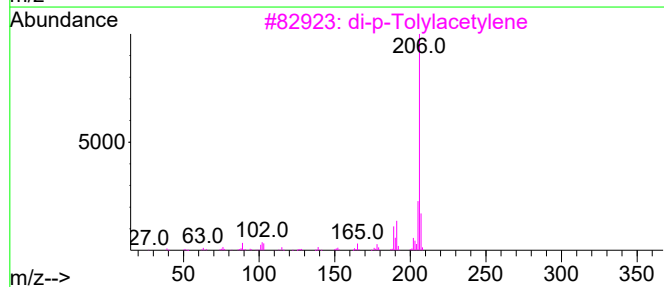
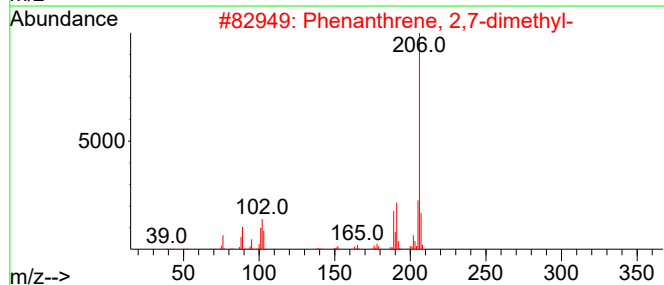
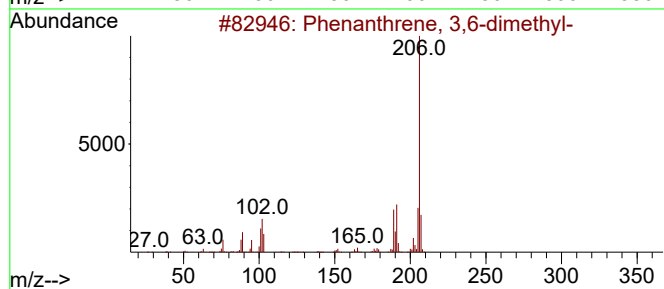
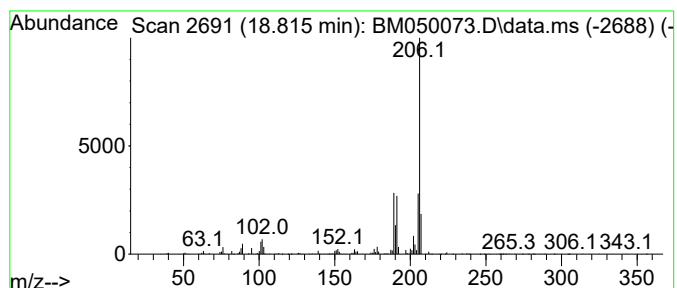
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.815	4.21 ng	667127	Phenanthrene-d10	17.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
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Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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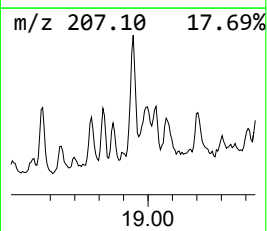
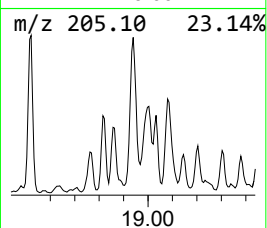
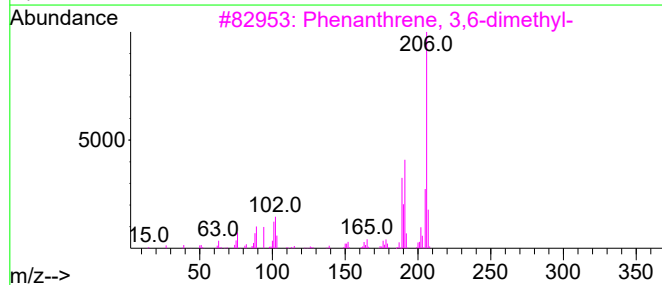
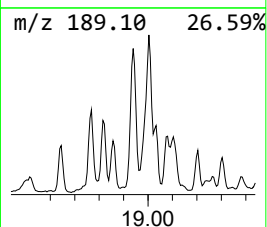
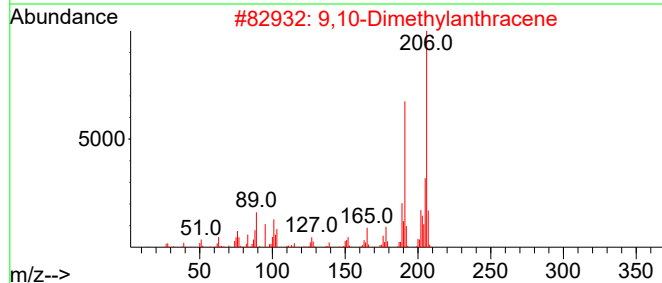
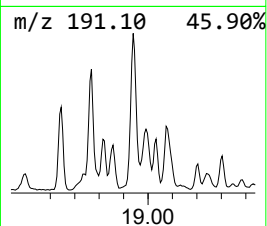
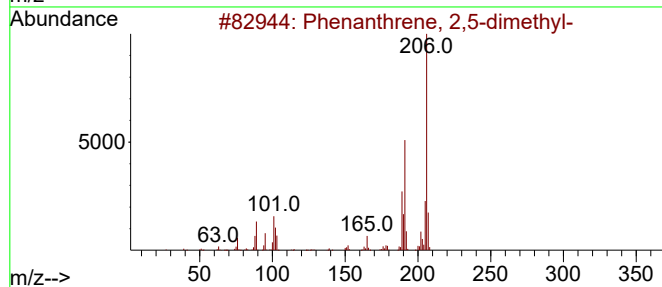
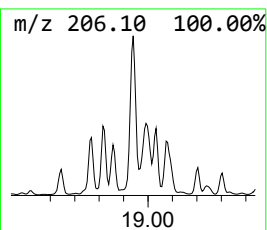
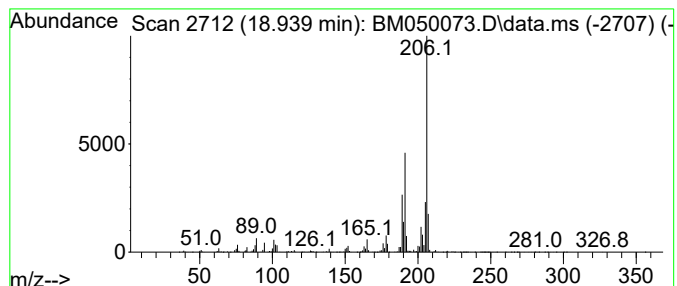
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	12.24 ng	1938110	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
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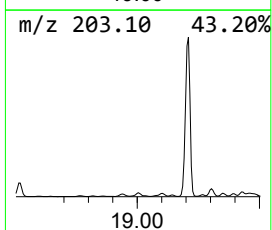
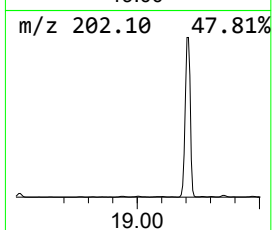
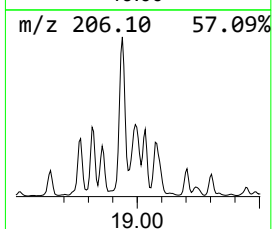
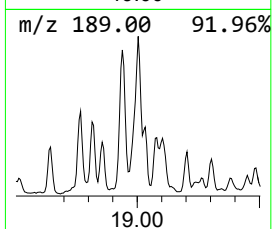
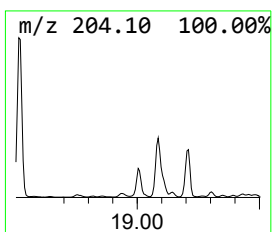
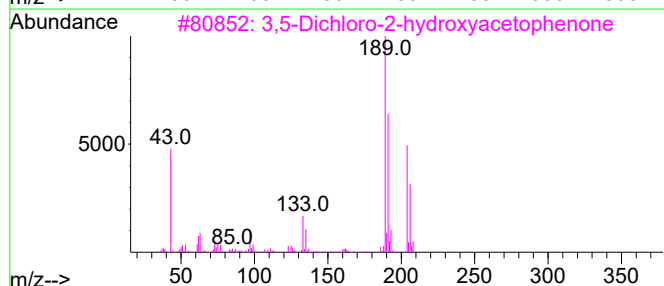
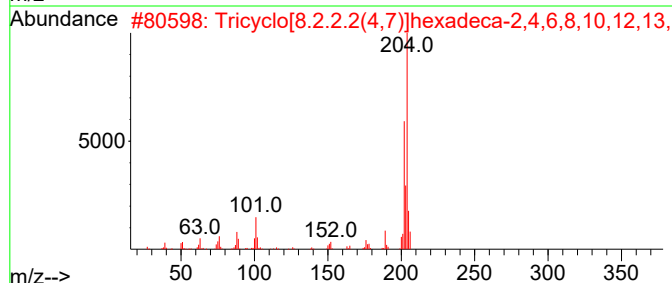
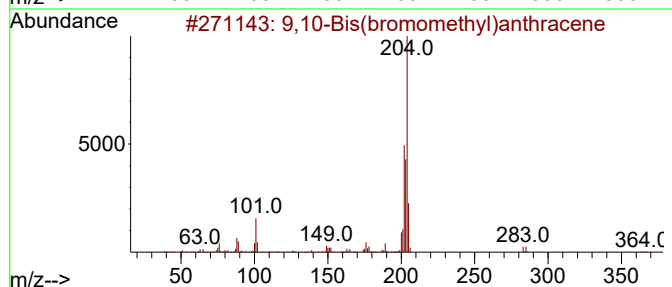
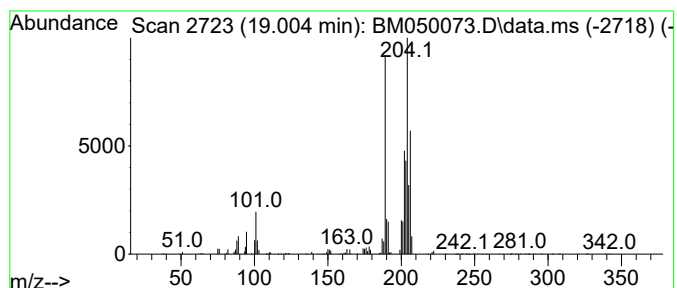
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.004	8.22 ng	1301400	Phenanthrene-d10	17.139	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
3	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	41
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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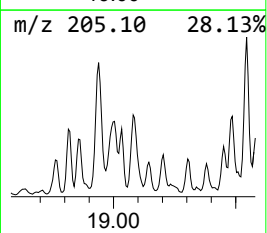
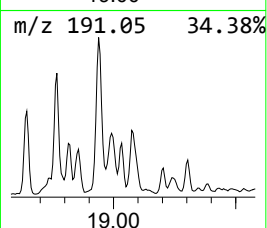
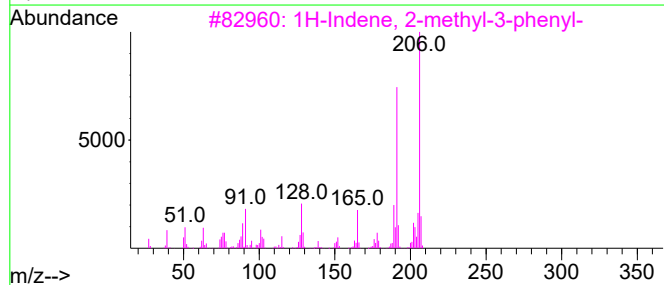
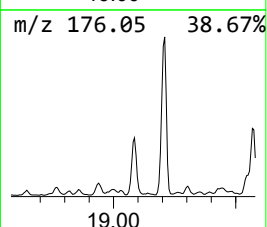
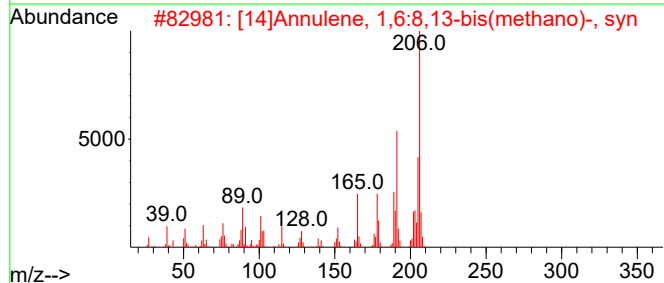
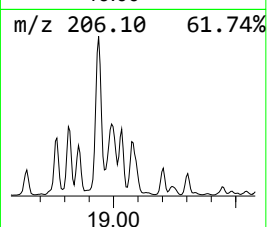
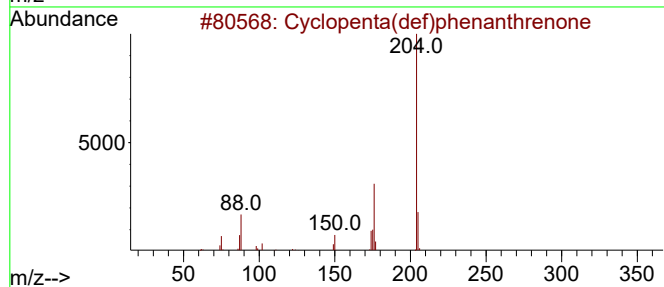
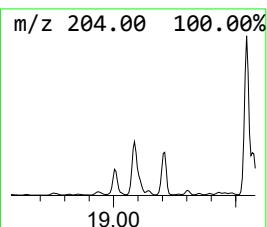
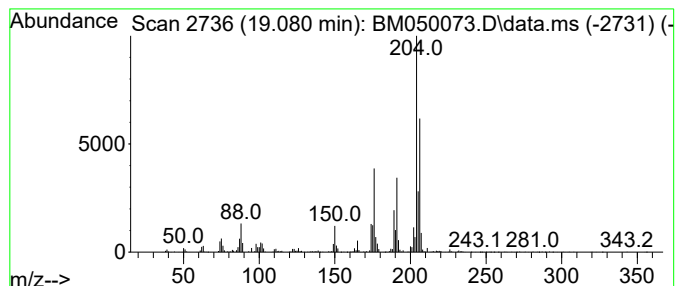
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.	
19.080	9.48 ng	1501320	Phenanthrene-d10		17.139	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrene		204	C15H8O	005737-13-3	83
2	[14]Annulene, 1,6:8,13-bis(metha...		206	C16H14	085385-68-8	46
3	1H-Indene, 2-methyl-3-phenyl-		206	C16H14	035099-60-6	42
4	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	42
5	1,1,4a-Trimethyl-5,6-dimethylene...		204	C15H24	1000193-60-8	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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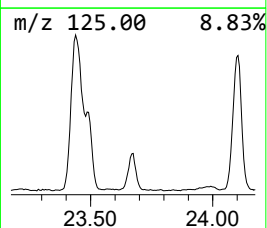
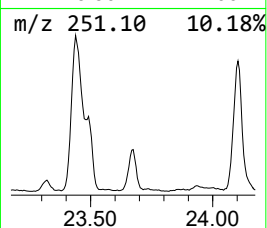
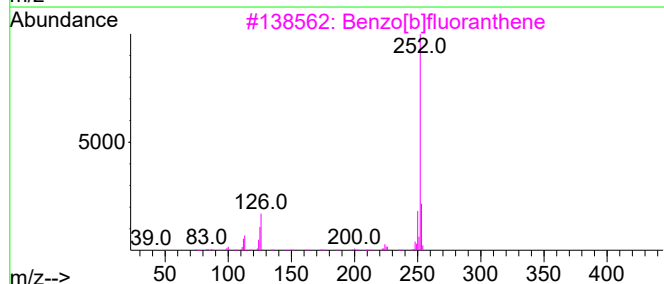
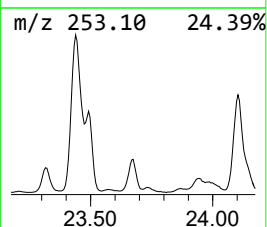
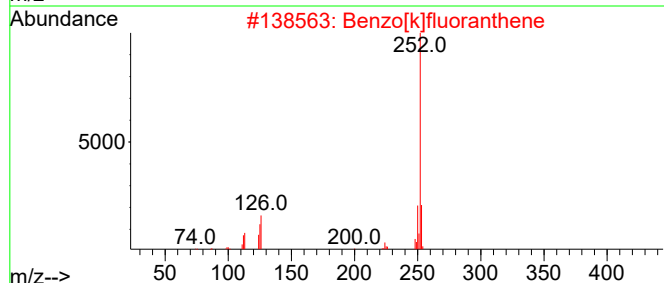
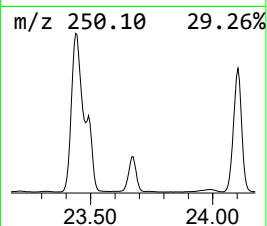
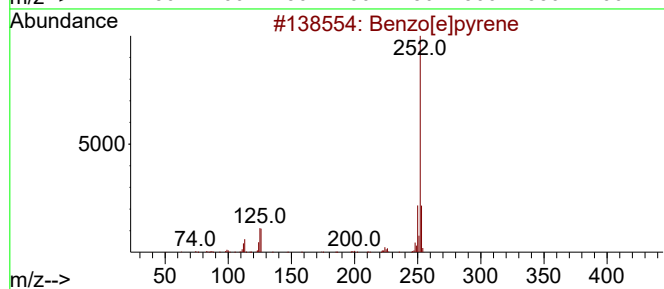
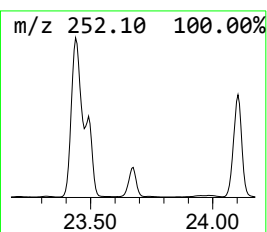
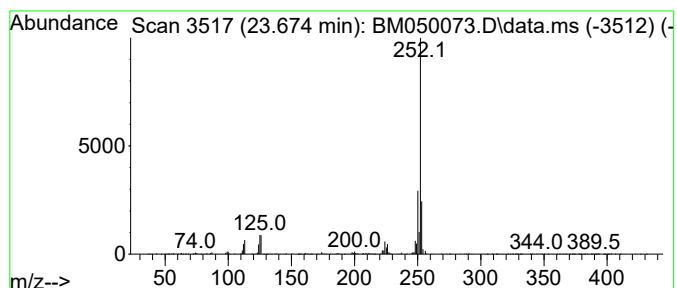
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.674	10.15 ng	1583640	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

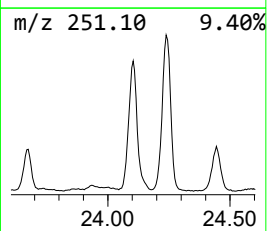
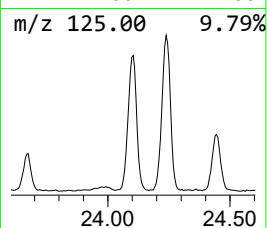
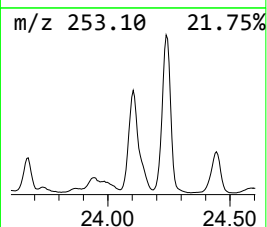
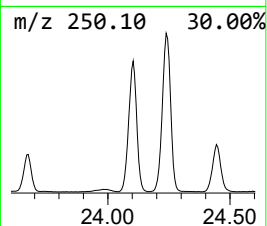
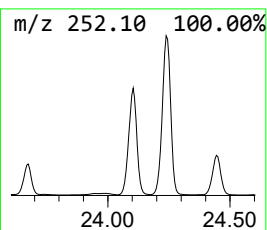
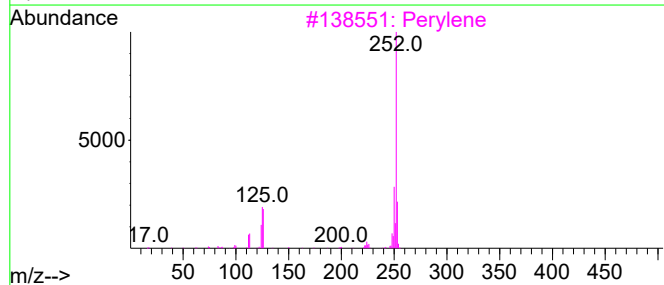
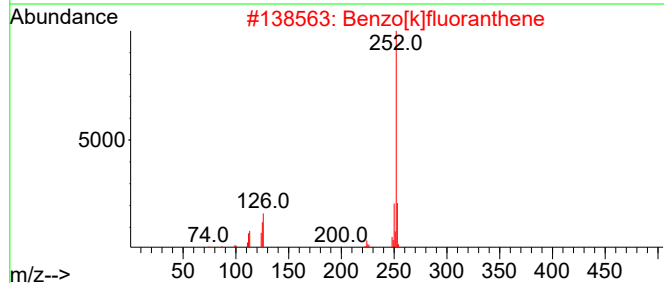
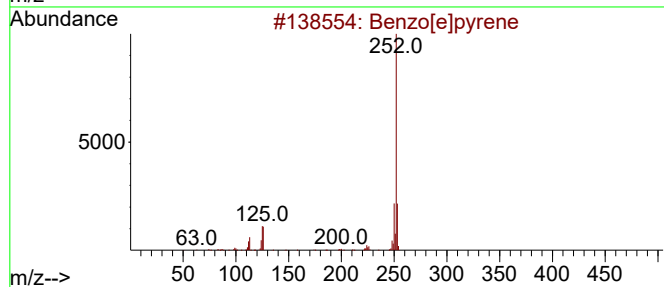
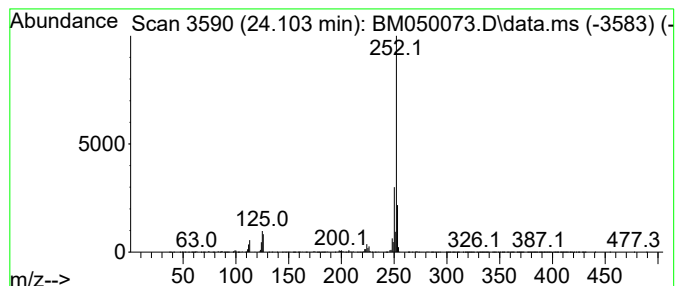
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.103	47.03 ng	7342120	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	96
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3			Perylene	252	C20H12	000198-55-0	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

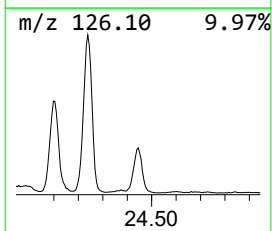
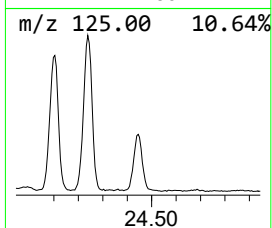
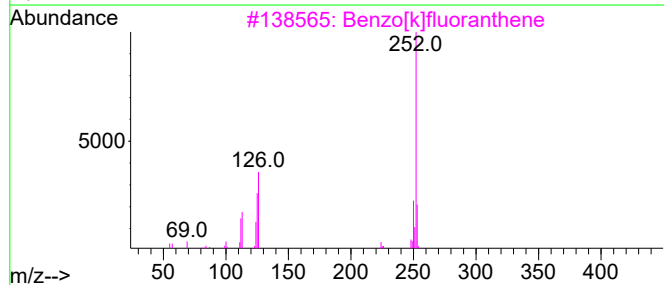
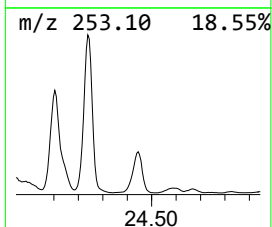
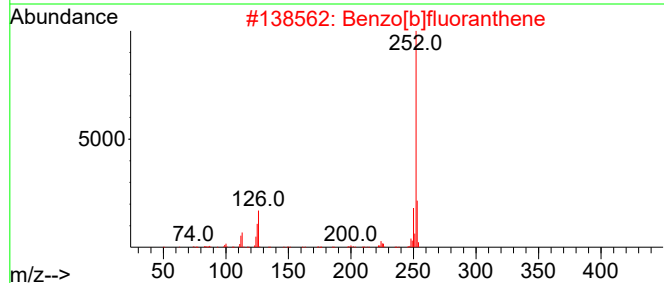
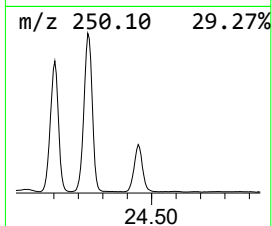
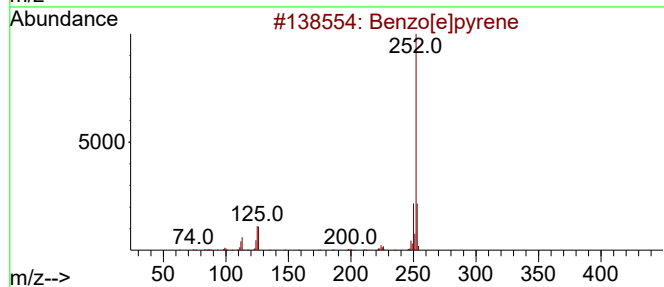
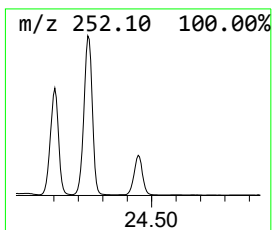
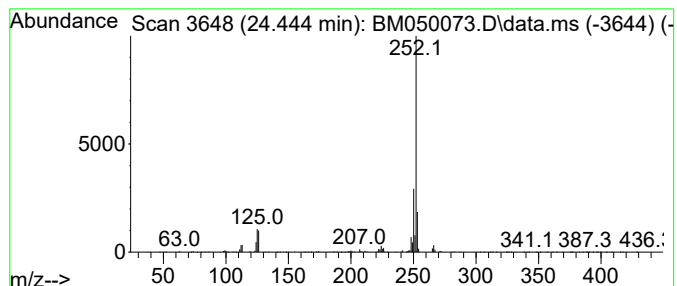
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown24.445 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.445	18.60 ng	2902820	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	95
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4			Benzo[a]pyrene	252	C20H12	000050-32-8	89
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050073.D
Acq On : 01 May 2025 20:39
Operator : RC/JU
Sample : Q1907-01 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WC

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Dibenzofuran, 4...	15.745	6.5	ng	922249	3	14.392	2828930	20.0
9H-Fluorene, 2-...	16.451	5.8	ng	921253	4	17.139	3167680	20.0
9H-Fluoren-9-one	16.798	4.4	ng	703107	4	17.139	3167680	20.0
Anthracene, 1,2...	16.892	4.8	ng	763916	4	17.139	3167680	20.0
Dibenzothiophene	16.963	8.1	ng	1274740	4	17.139	3167680	20.0
Phenanthrene, 1...	18.015	20.1	ng	3190200	4	17.139	3167680	20.0
Phenanthrene, 2...	18.068	25.9	ng	4096080	4	17.139	3167680	20.0
1H-Cyclopropa[1...	18.145	7.3	ng	1160720	4	17.139	3167680	20.0
4H-Cyclopenta[d...	18.210	32.0	ng	5074460	4	17.139	3167680	20.0
1H-Indene, 2-ph...	18.251	13.1	ng	2068940	4	17.139	3167680	20.0
Naphthalene, 2-...	18.515	11.6	ng	1834340	4	17.139	3167680	20.0
9,10-Anthracene...	18.563	10.5	ng	1670150	4	17.139	3167680	20.0
Anthracene, 2-e...	18.762	8.6	ng	1354310	4	17.139	3167680	20.0
Phenanthrene, 3...	18.815	4.2	ng	667127	4	17.139	3167680	20.0
Phenanthrene, 2...	18.939	12.2	ng	1938110	4	17.139	3167680	20.0
9,10-Bis(bromom...	19.004	8.2	ng	1301400	4	17.139	3167680	20.0
Cyclopenta(def)...	19.080	9.5	ng	1501320	4	17.139	3167680	20.0
Benzo[e]pyrene	23.674	10.2	ng	1583640	6	24.380	3121980	20.0
Perylene	24.103	47.0	ng	7342120	6	24.380	3121980	20.0
unknown24.445	24.445	18.6	ng	2902820	6	24.380	3121980	20.0

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WCDL	SDG No.:	Q1907
Lab Sample ID:	Q1907-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050098.D	25	04/30/25 11:00	05/05/25 13:40	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	4600	UD	4600	9700	ug/Kg
108-95-2	Phenol	650	UD	650	5000	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	720	UD	720	5000	ug/Kg
95-57-8	2-Chlorophenol	720	UD	720	5000	ug/Kg
95-48-7	2-Methylphenol	880	UD	880	5000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	UD	1100	5000	ug/Kg
98-86-2	Acetophenone	870	UD	870	5000	ug/Kg
65794-96-9	3+4-Methylphenols	1200	UD	1200	9700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400	UD	1400	2400	ug/Kg
67-72-1	Hexachloroethane	520	UD	520	5000	ug/Kg
98-95-3	Nitrobenzene	540	UD	540	5000	ug/Kg
78-59-1	Isophorone	970	UD	970	5000	ug/Kg
88-75-5	2-Nitrophenol	1700	UD	1700	5000	ug/Kg
105-67-9	2,4-Dimethylphenol	1900	UD	1900	5000	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910	UD	910	5000	ug/Kg
120-83-2	2,4-Dichlorophenol	840	UD	840	5000	ug/Kg
91-20-3	Naphthalene	670	UD	670	5000	ug/Kg
106-47-8	4-Chloroaniline	1000	UD	1000	5000	ug/Kg
87-68-3	Hexachlorobutadiene	750	UD	750	5000	ug/Kg
105-60-2	Caprolactam	1500	UD	1500	9700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	850	UD	850	5000	ug/Kg
91-57-6	2-Methylnaphthalene	760	UD	760	5000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	UD	3400	9700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	580	UD	580	5000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	860	UD	860	5000	ug/Kg
92-52-4	1,1-Biphenyl	640	UD	640	5000	ug/Kg
91-58-7	2-Chloronaphthalene	660	UD	660	5000	ug/Kg
88-74-4	2-Nitroaniline	1400	UD	1400	5000	ug/Kg
131-11-3	Dimethylphthalate	800	UD	800	5000	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WCDL	SDG No.:	Q1907
Lab Sample ID:	Q1907-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050098.D	25	04/30/25 11:00	05/05/25 13:40	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	850	UD	850	5000	ug/Kg
606-20-2	2,6-Dinitrotoluene	990	UD	990	5000	ug/Kg
99-09-2	3-Nitroaniline	1400	UD	1400	5000	ug/Kg
83-32-9	Acenaphthene	2700	JD	630	5000	ug/Kg
51-28-5	2,4-Dinitrophenol	6800	UD	6800	9700	ug/Kg
100-02-7	4-Nitrophenol	3200	UD	3200	9700	ug/Kg
132-64-9	Dibenzofuran	670	UD	670	5000	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500	UD	1500	5000	ug/Kg
84-66-2	Diethylphthalate	840	UD	840	5000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	790	UD	790	5000	ug/Kg
86-73-7	Fluorene	3000	JD	750	5000	ug/Kg
100-01-6	4-Nitroaniline	1900	UD	1900	5000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3000	UD	3000	9700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970	UD	970	5000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	820	UD	820	5000	ug/Kg
118-74-1	Hexachlorobenzene	750	UD	750	5000	ug/Kg
1912-24-9	Atrazine	1000	UD	1000	5000	ug/Kg
87-86-5	Pentachlorophenol	1500	UD	1500	9700	ug/Kg
85-01-8	Phenanthrene	25200	D	620	5000	ug/Kg
120-12-7	Anthracene	5500	D	980	5000	ug/Kg
86-74-8	Carbazole	920	UD	920	5000	ug/Kg
84-74-2	Di-n-butylphthalate	1400	UD	1400	5000	ug/Kg
206-44-0	Fluoranthene	25300	D	890	5000	ug/Kg
129-00-0	Pyrene	25200	D	1100	5000	ug/Kg
85-68-7	Butylbenzylphthalate	2100	UD	2100	5000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100	UDQ	1100	9700	ug/Kg
56-55-3	Benzo(a)anthracene	10000	D	680	5000	ug/Kg
218-01-9	Chrysene	10000	D	590	5000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700	UD	1700	5000	ug/Kg
117-84-0	Di-n-octyl phthalate	2600	UD	2600	9700	ug/Kg
205-99-2	Benzo(b)fluoranthene	11600	D	560	5000	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/28/25
Client Sample ID:	CO-8R-WCDL	SDG No.:	Q1907
Lab Sample ID:	Q1907-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050098.D	25	04/30/25 11:00	05/05/25 13:40	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	4000	JD	660	5000	ug/Kg
50-32-8	Benzo(a)pyrene	9300	D	870	5000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4400	JD	860	5000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	810	UD	810	5000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5600	D	760	5000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	760	UD	760	5000	ug/Kg
123-91-1	1,4-Dioxane	1300	UD	1300	5000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	810	UD	810	5000	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	88.4		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	95.5		15 - 107	64%	SPK: 150
4165-60-0	Nitrobenzene-d5	49.3		18 - 107	49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.9		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.2		10 - 116	56%	SPK: 150
1718-51-0	Terphenyl-d14	47.5		10 - 105	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	373000	7.745			
1146-65-2	Naphthalene-d8	1490000	10.539			
15067-26-2	Acenaphthene-d10	1090000	14.392			
1517-22-2	Phenanthrene-d10	2310000	17.145			
1719-03-5	Chrysene-d12	2010000	21.386			
1520-96-3	Perylene-d12	1570000	24.38			

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\BM050525\
 Data File : BM050098.D
 Acq On : 05 May 2025 13:40
 Operator : RC/JU
 Sample : Q1907-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CO-8R-WCDL

Quant Time: May 05 14:15:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

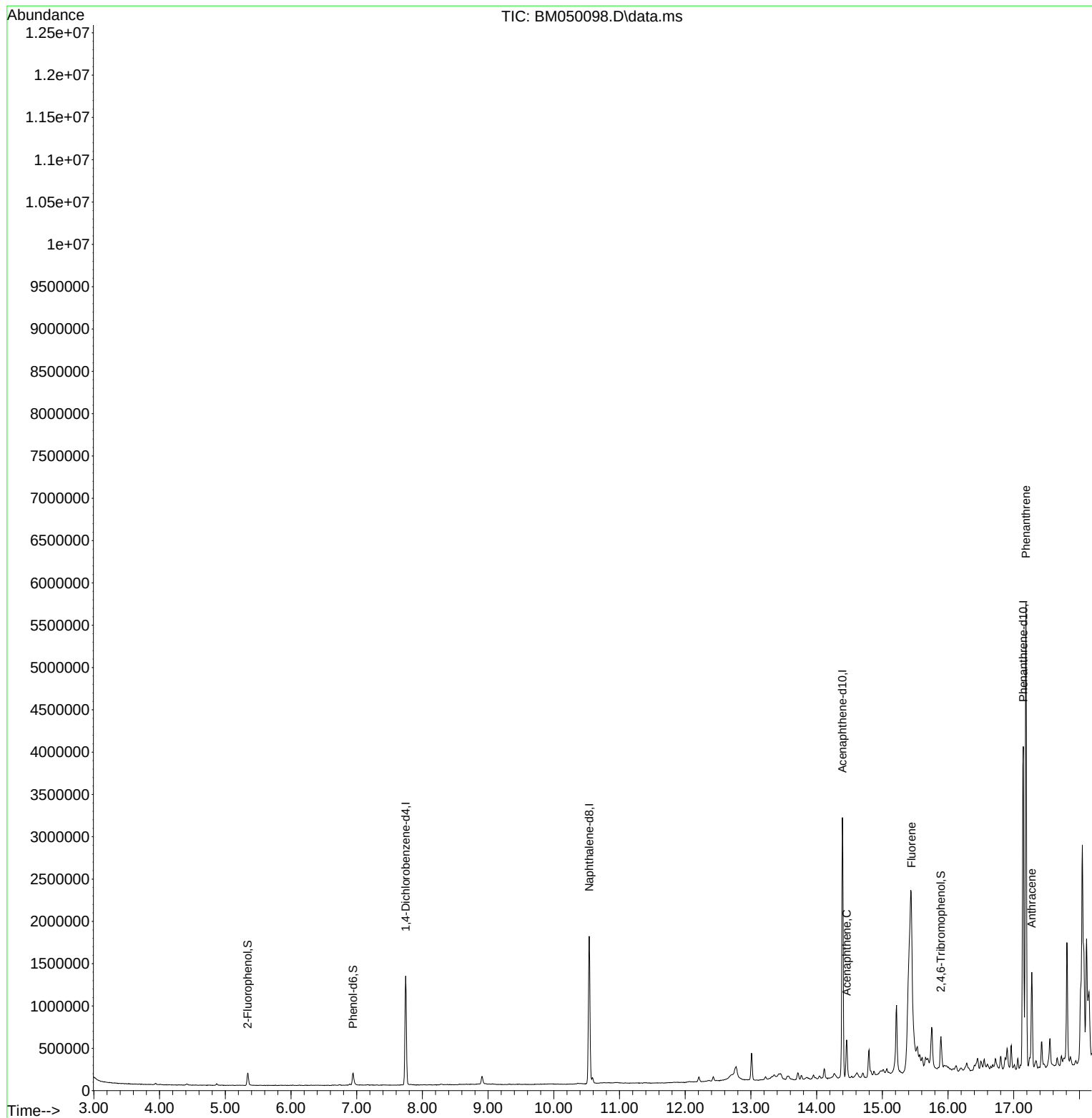
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	373100	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1493906	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	1094766	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	2314689	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	2008283	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1568873	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	75333	3.536	ng	-0.02
7) Phenol-d6	6.945	99	102248	3.818	ng	0.00
23) Nitrobenzene-d5	8.904	82	59788	1.972	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	54481	3.366	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	173403	1.874	ng	-0.02
79) Terphenyl-d14	19.768	244	257693	1.899	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.457	154	159950	2.719	ng	99
58) Fluorene	15.445	166	246811	3.081	ng	99
71) Phenanthrene	17.186	178	3350459	25.664	ng	100
72) Anthracene	17.274	178	739955	5.601	ng	99
75) Fluoranthene	19.203	202	3935448	25.676	ng	99
78) Pyrene	19.568	202	3614643	25.631	ng	100
81) Benzo(a)anthracene	21.368	228	1410304	10.198	ng	99
83) Chrysene	21.427	228	1303463	10.184	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	524922	4.490	ng	98
88) Benzo(b)fluoranthene	23.433	252	1202702	11.788	ng	98
89) Benzo(k)fluoranthene	23.491	252	422321m	4.092	ng	
90) Benzo(a)pyrene	24.238	252	902585	9.445	ng	97
92) Benzo(g,h,i)perylene	28.809	276	519885	5.699	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050098.D
Acq On : 05 May 2025 13:40
Operator : RC/JU
Sample : Q1907-01DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

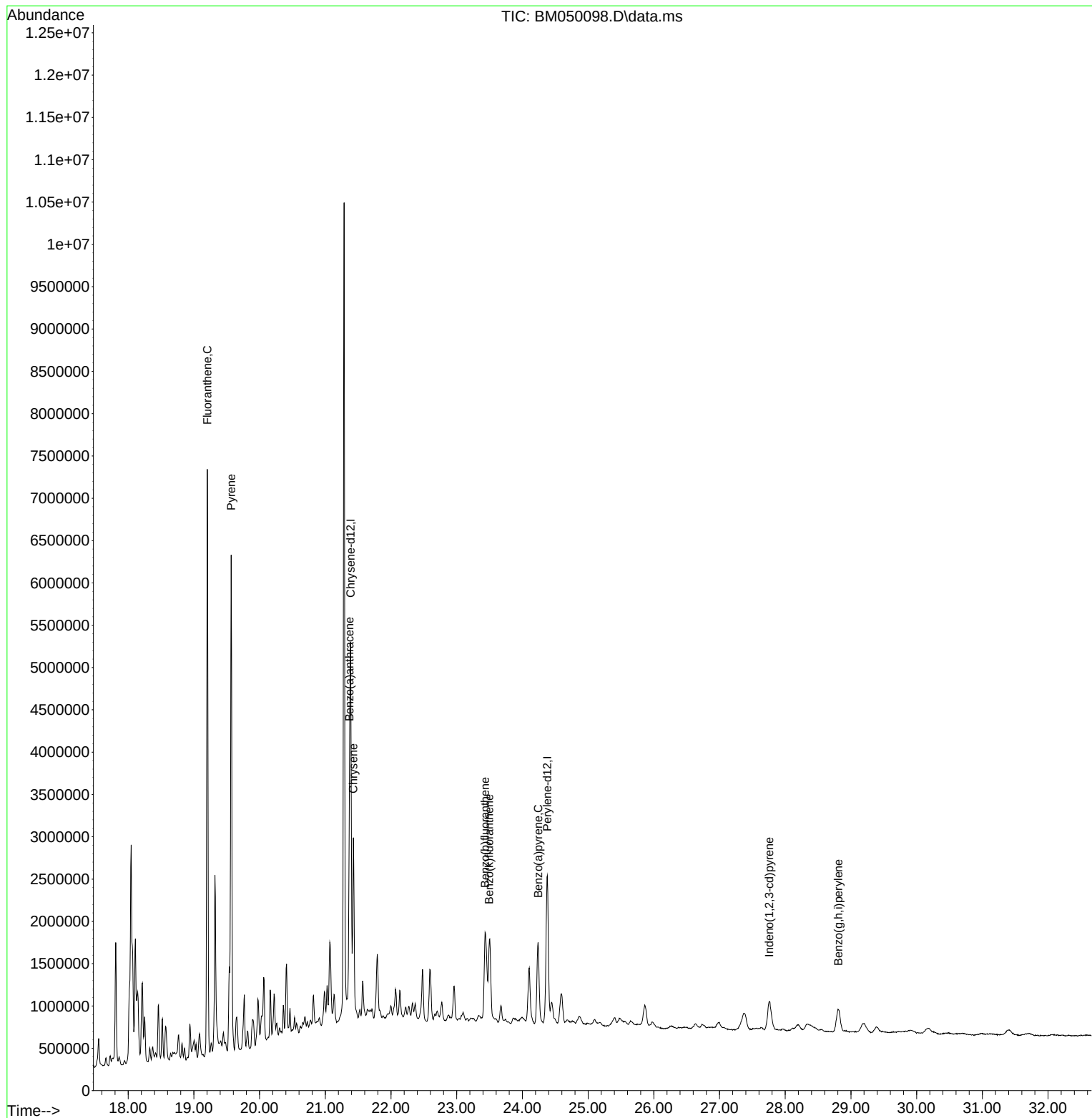
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QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

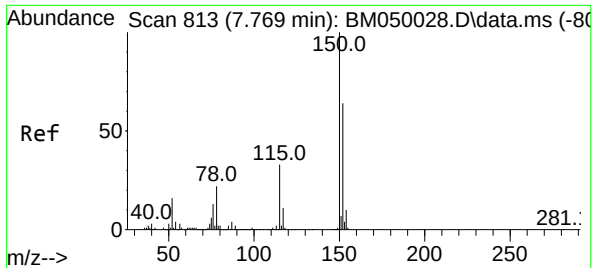


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Data File : BM050098.D
Acq On : 05 May 2025 13:40
Operator : RC/JU
Sample : Q1907-01DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

Quant Time: May 05 14:15:28 2025
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Response via : Initial Calibration

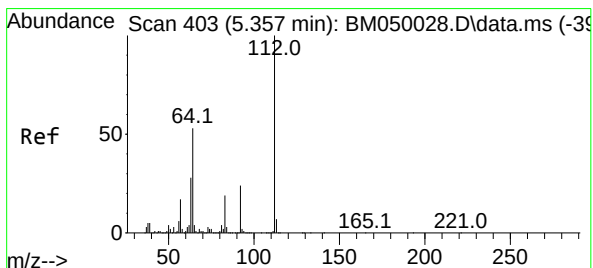
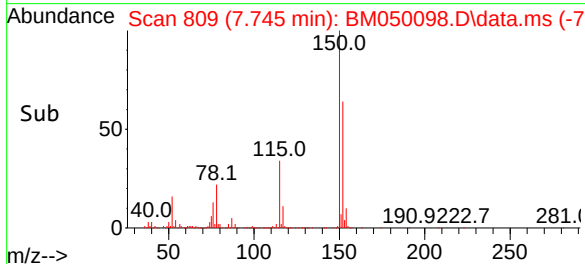
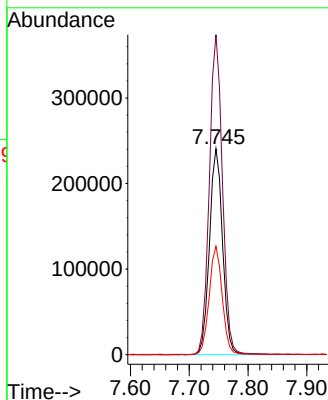
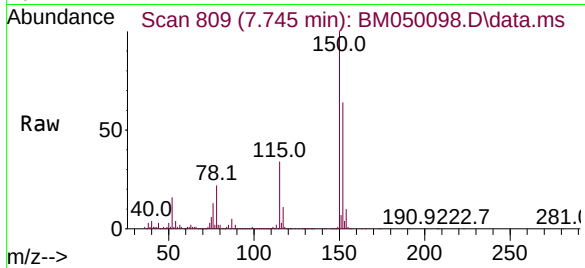




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

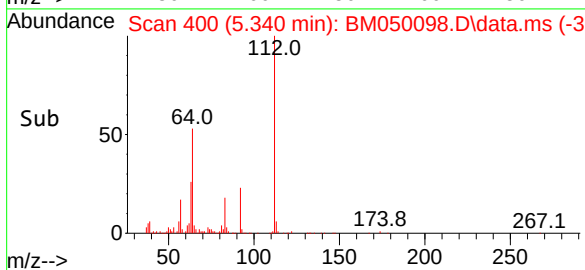
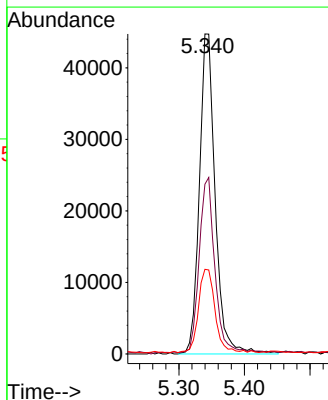
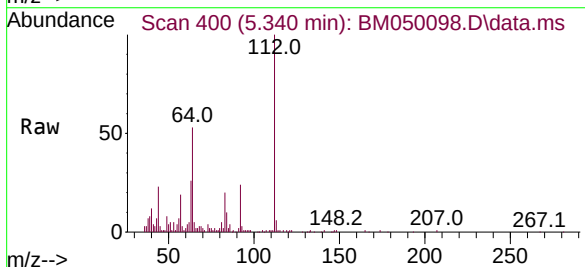
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

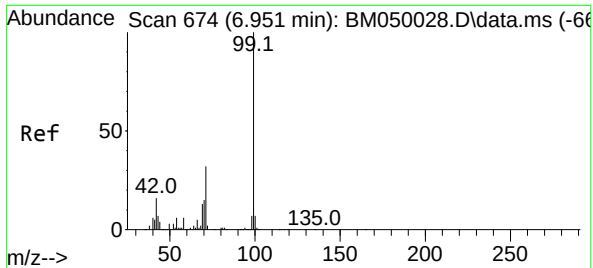
Tgt Ion:152 Resp: 373100
Ion Ratio Lower Upper
152 100
150 155.4 124.1 186.1
115 52.6 41.2 61.8



#5
2-Fluorophenol
Concen: 3.536 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:112 Resp: 75333
Ion Ratio Lower Upper
112 100
64 53.1 42.6 64.0
63 26.5 22.2 33.4

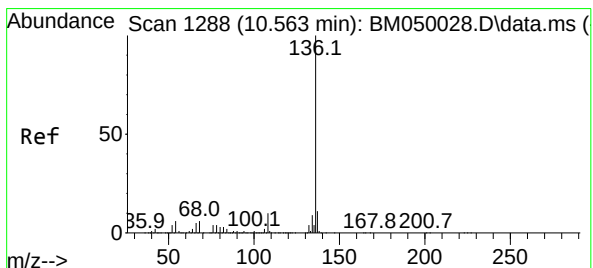
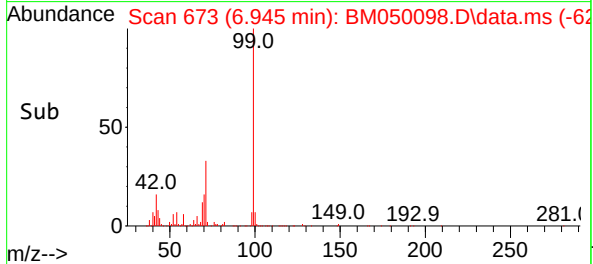
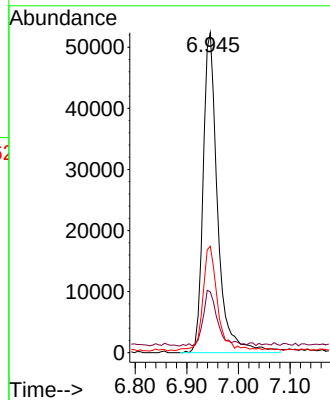
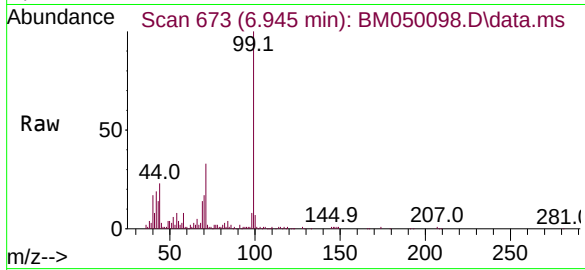




#7
Phenol-d6
Concen: 3.818 ng
RT: 6.945 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

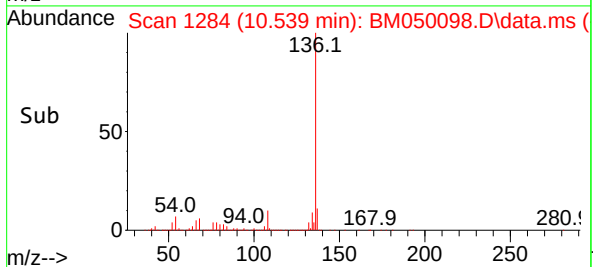
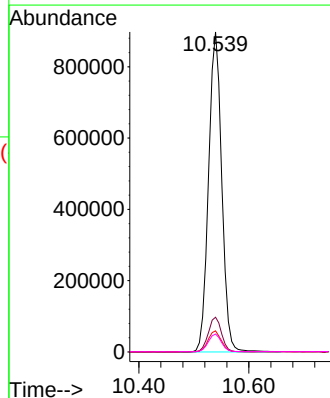
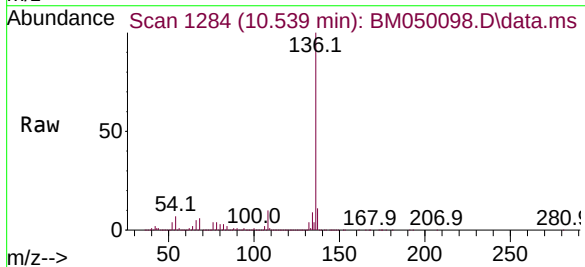
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

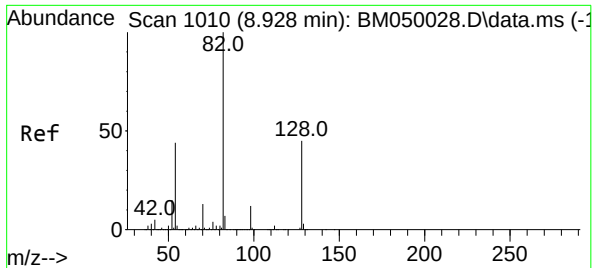
Tgt Ion: 99 Resp: 102248
Ion Ratio Lower Upper
99 100
42 19.0 13.0 19.4
71 33.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion: 136 Resp: 1493906
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

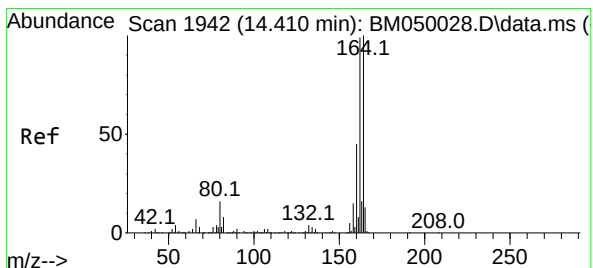
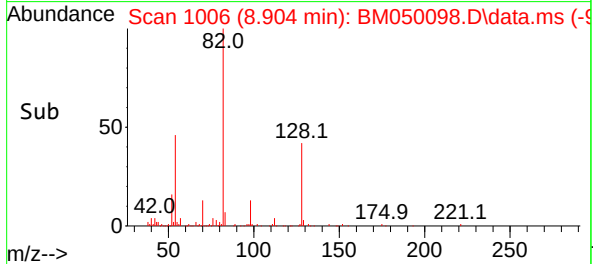
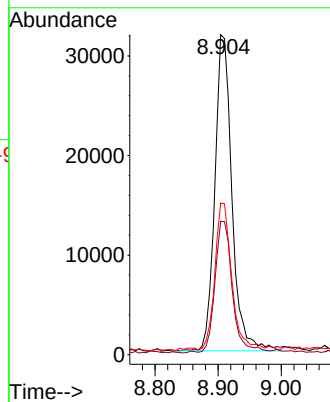
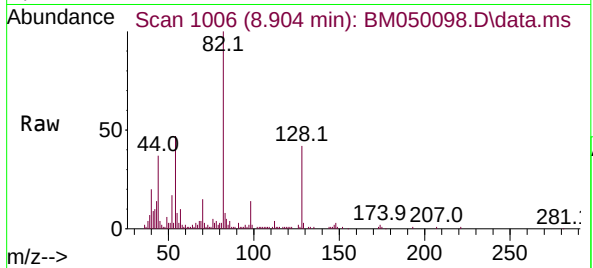




#23
Nitrobenzene-d5
Concen: 1.972 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

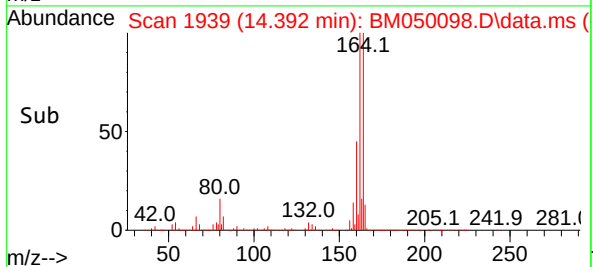
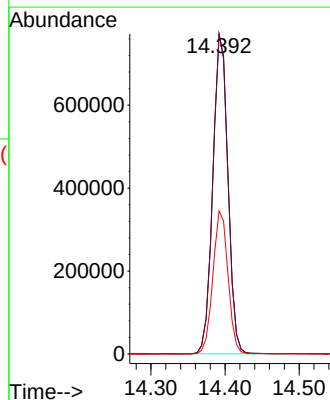
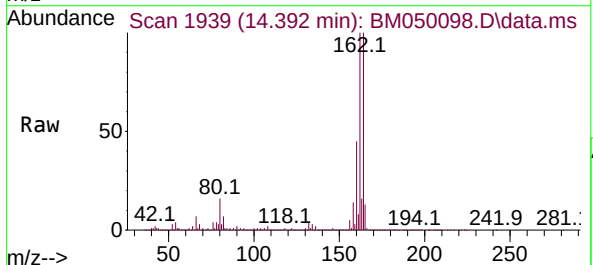
Instrument :
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ClientSampleId :
CO-8R-WCDL

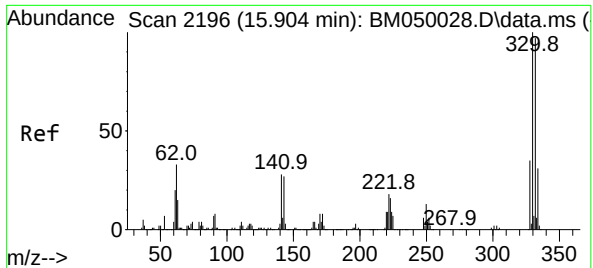
Tgt Ion: 82 Resp: 59788
Ion Ratio Lower Upper
82 100
128 41.7 35.7 53.5
54 47.4 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion: 164 Resp: 1094766
Ion Ratio Lower Upper
164 100
162 100.1 79.4 119.0
160 44.7 36.2 54.4

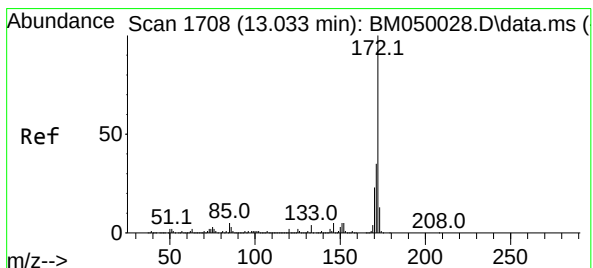
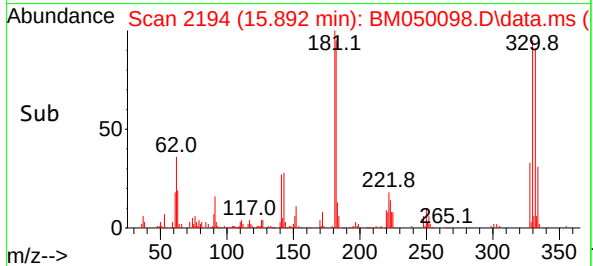
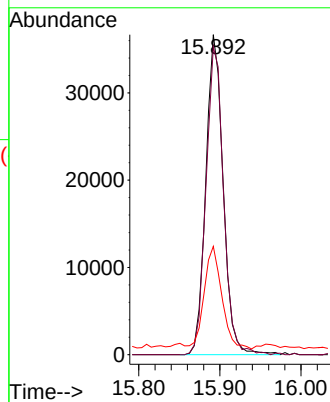
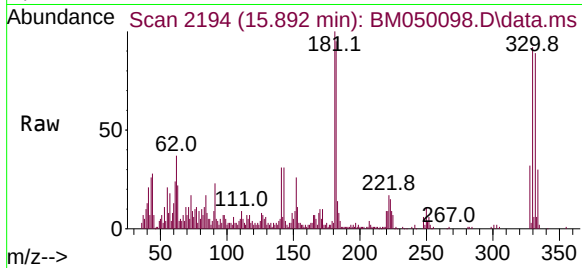




#42
2,4,6-Tribromophenol
Concen: 3.366 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

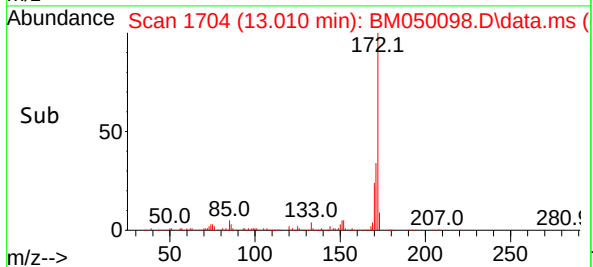
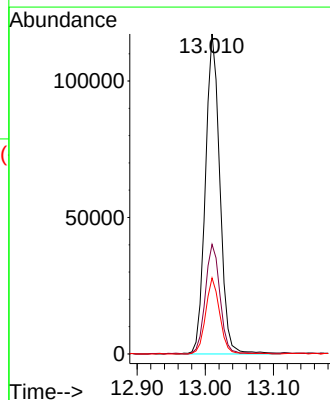
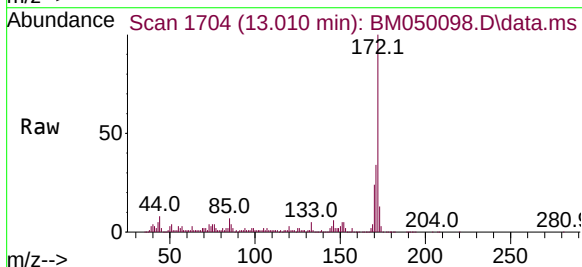
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

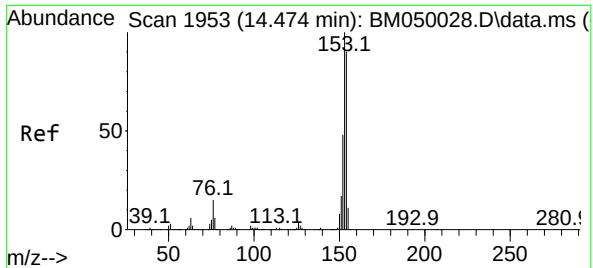
Tgt Ion:330 Resp: 54481
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 32.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 1.874 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:172 Resp: 173403
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.7 18.6 28.0

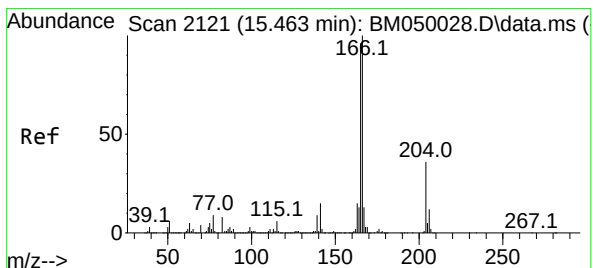
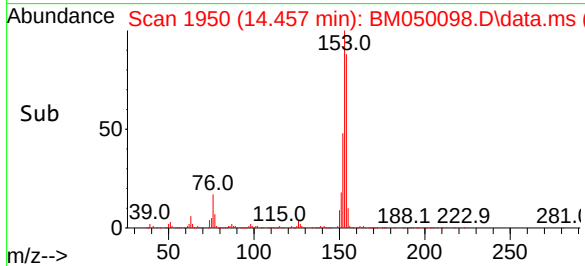
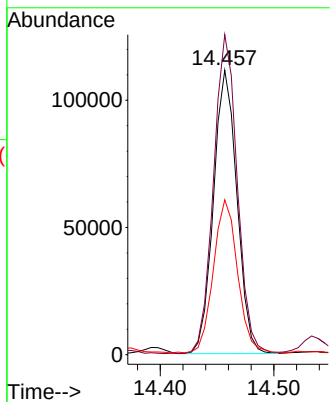
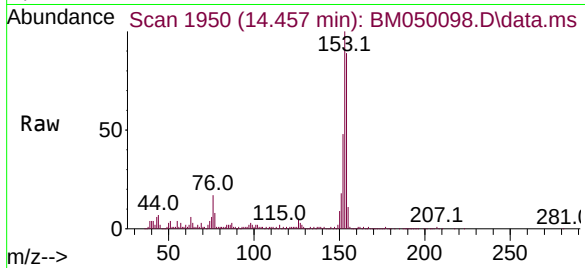




#52
Acenaphthene
Concen: 2.719 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

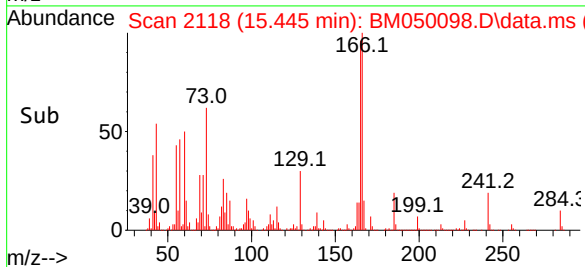
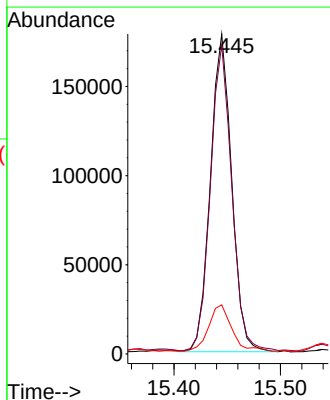
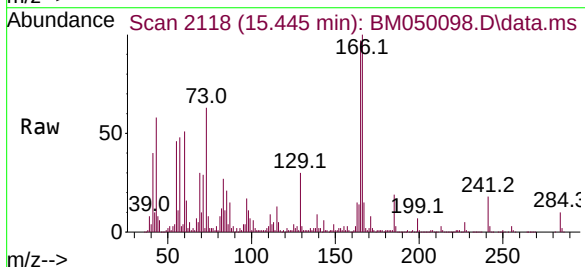
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

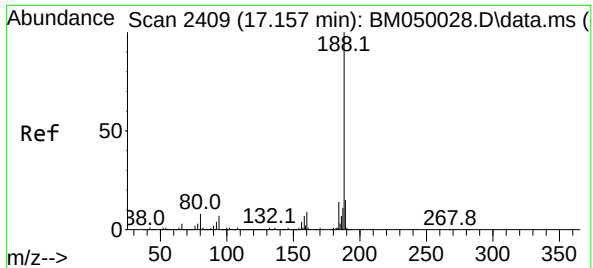
Tgt Ion:154 Resp: 159950
Ion Ratio Lower Upper
154 100
153 112.5 89.0 133.4
152 54.4 43.0 64.6



#58
Fluorene
Concen: 3.081 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:166 Resp: 246811
Ion Ratio Lower Upper
166 100
165 96.6 76.6 115.0
167 15.3 10.6 16.0

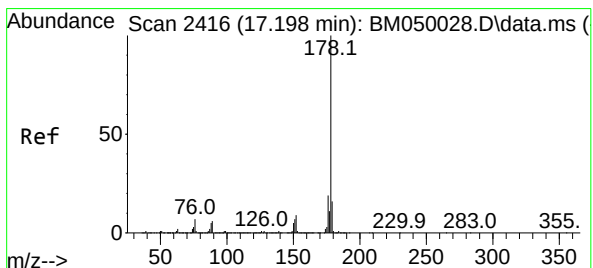
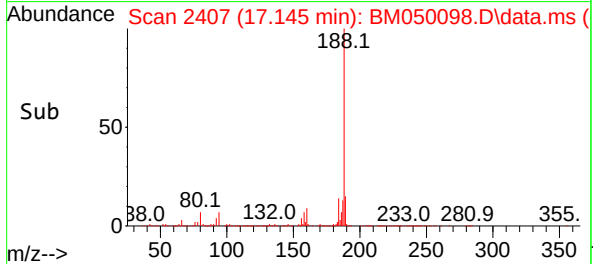
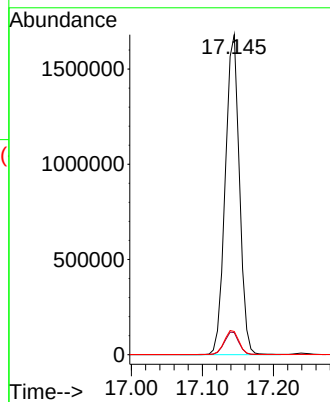
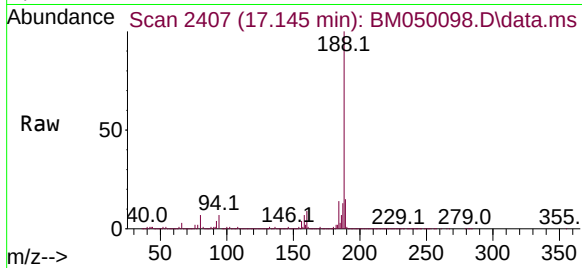




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2410
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

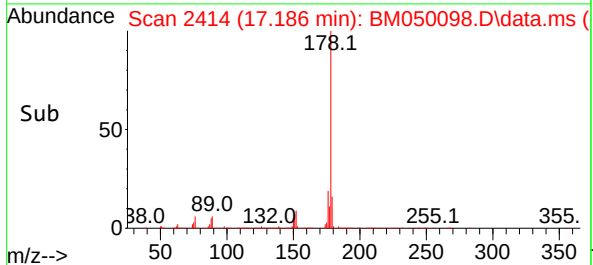
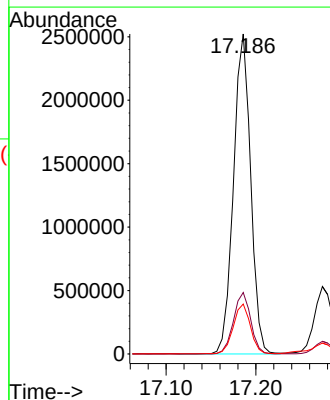
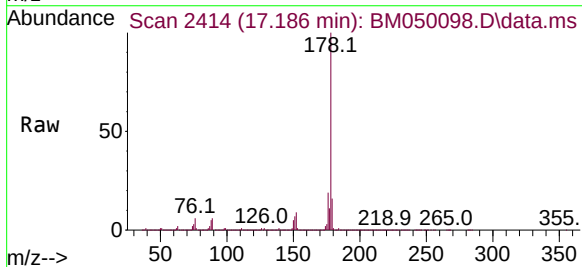
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

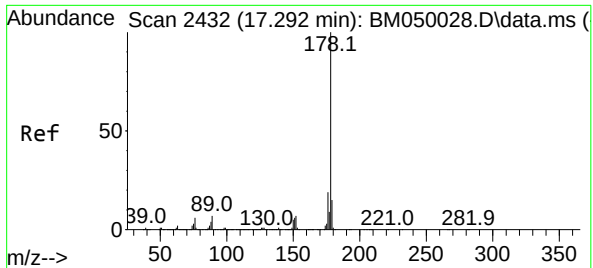
Tgt Ion:188 Resp: 2314689
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.3 6.2 9.4



#71
Phenanthrene
Concen: 25.664 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:178 Resp: 3350459
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.4 18.6

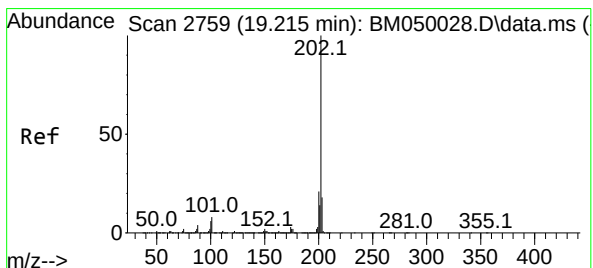
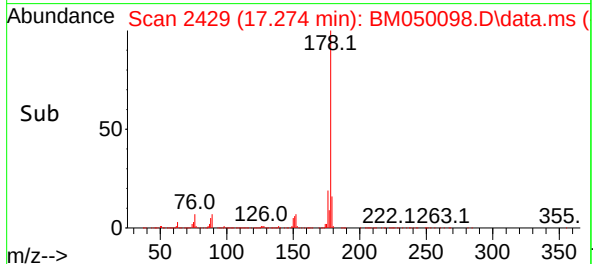
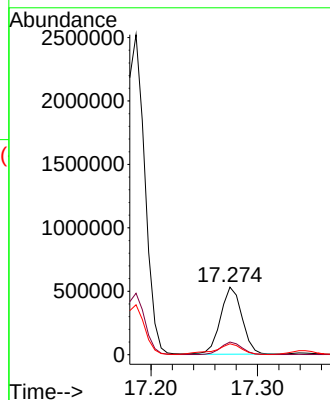
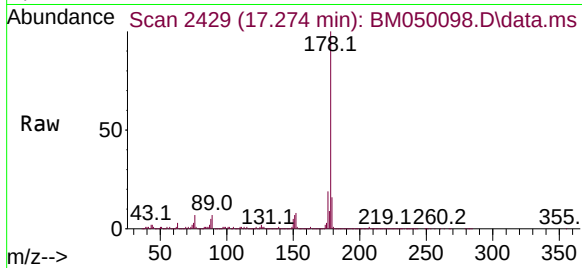




#72
Anthracene
Concen: 5.601 ng
RT: 17.274 min Scan# 2432
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

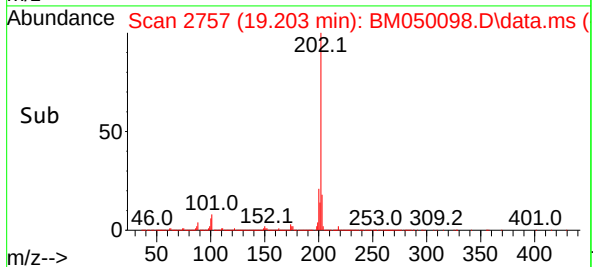
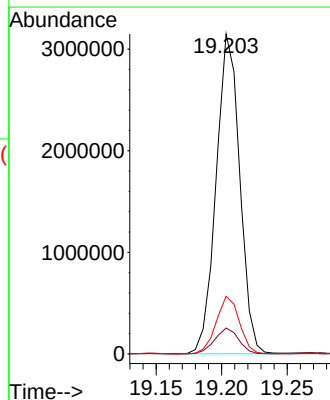
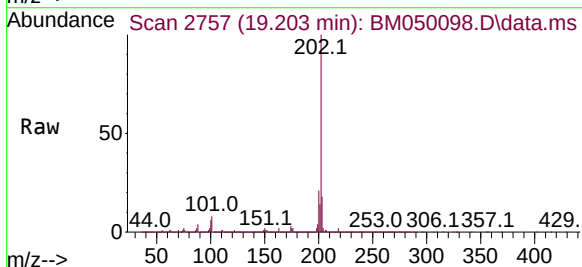
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

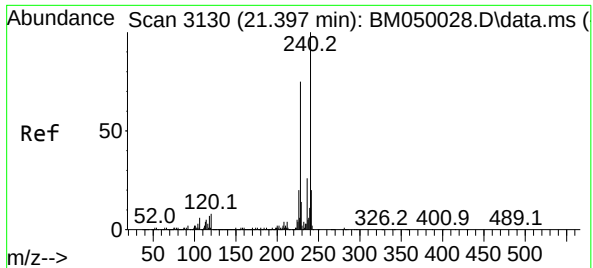
Tgt Ion:178 Resp: 739955
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 16.1 12.2 18.4



#75
Fluoranthene
Concen: 25.676 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:202 Resp: 3935448
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.0
203 18.0 0.0 37.7

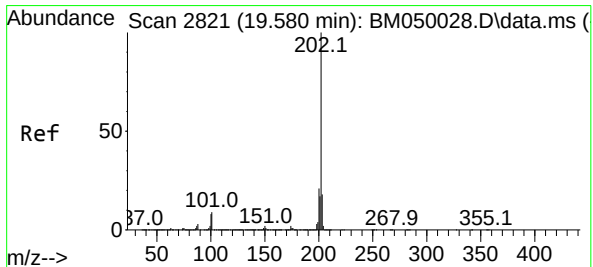
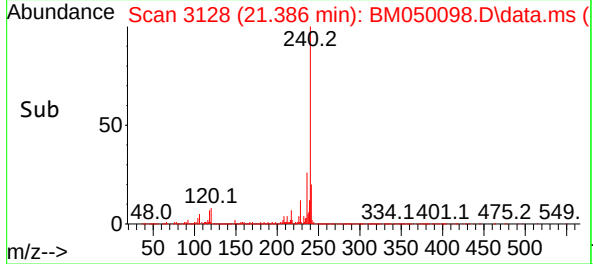
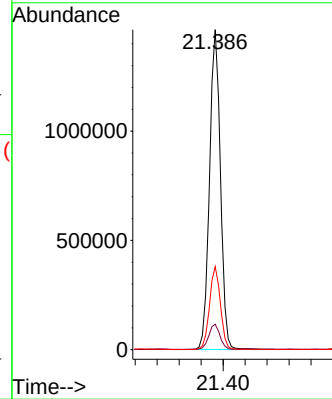
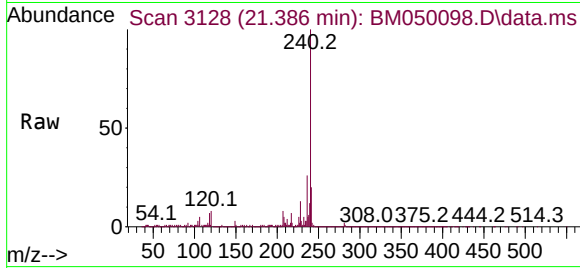




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

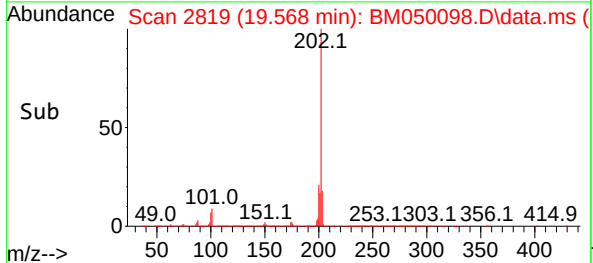
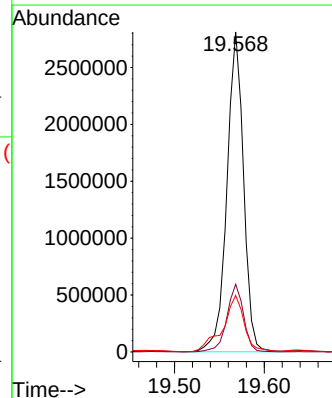
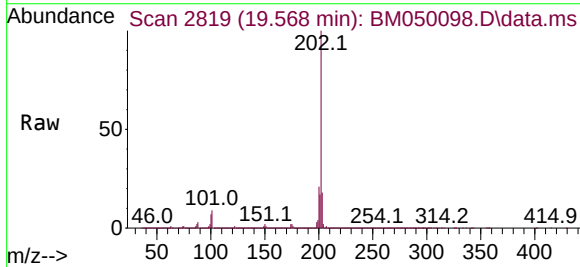
Instrument :
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ClientSampleId :
CO-8R-WCDL

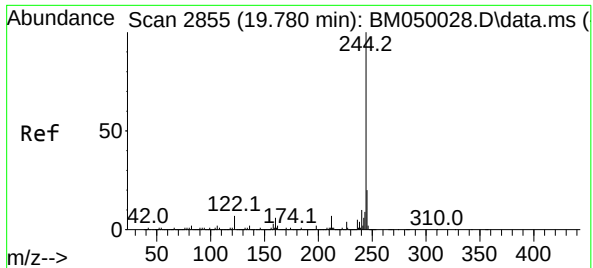
Tgt Ion:240 Resp: 2008283
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.0 20.9 31.3



#78
Pyrene
Concen: 25.631 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:202 Resp: 3614643
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.7 14.1 21.1

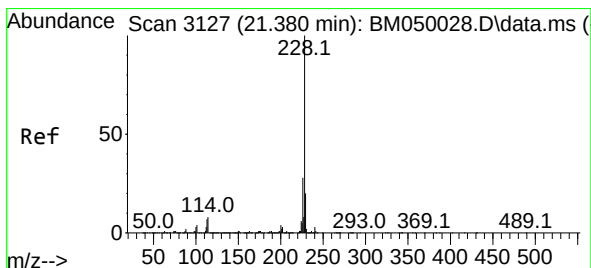
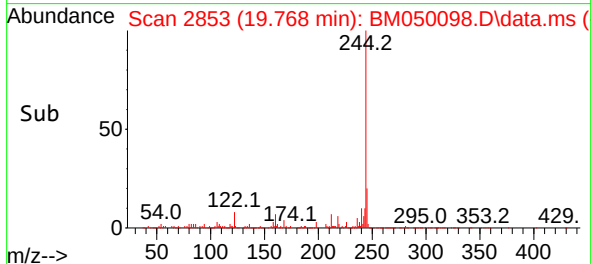
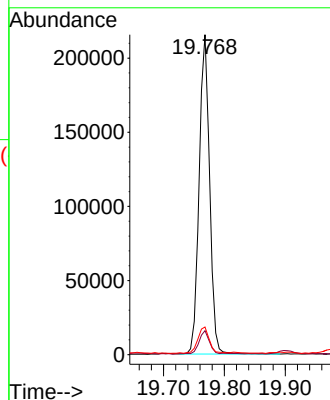
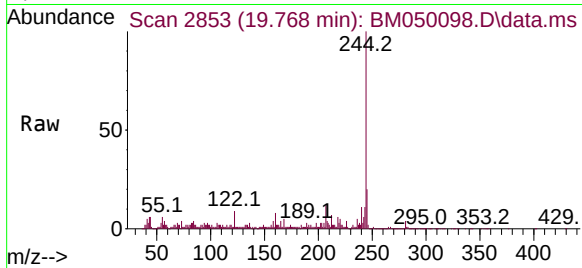




#79
Terphenyl-d14
Concen: 1.899 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

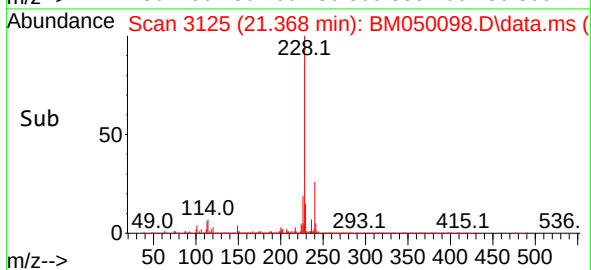
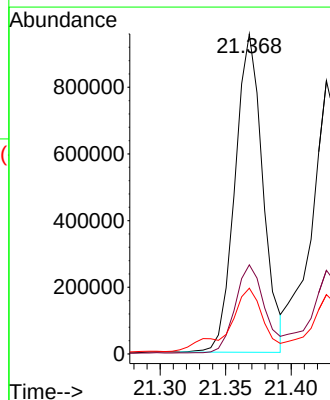
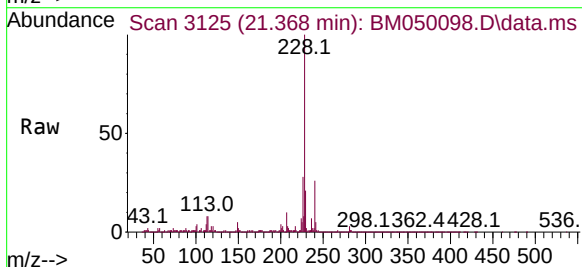
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

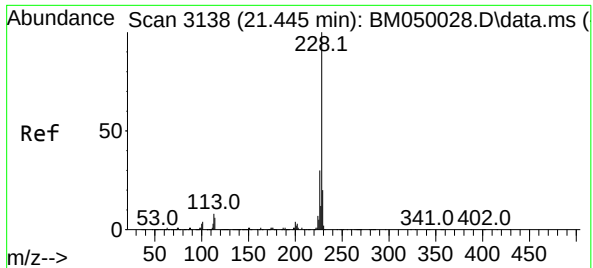
Tgt Ion:244 Resp: 257693
Ion Ratio Lower Upper
244 100
212 7.5 5.6 8.4
122 8.7 5.6 8.4#



#81
Benzo(a)anthracene
Concen: 10.198 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:228 Resp: 1410304
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 20.6 15.7 23.5

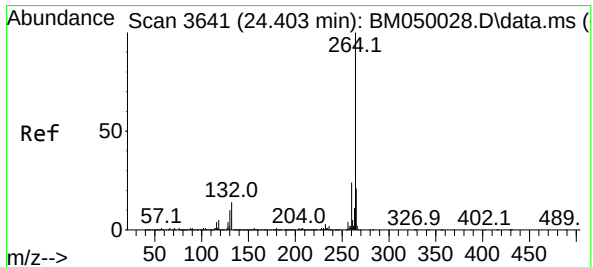
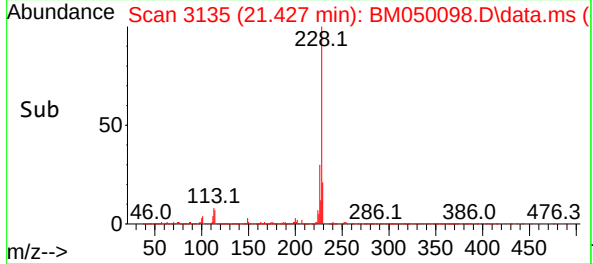
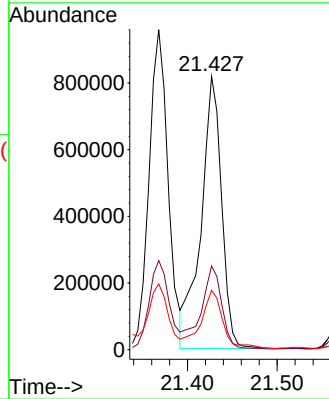
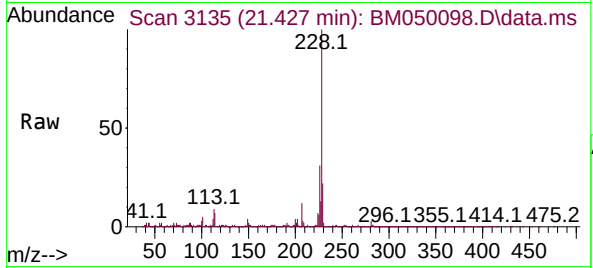




#83
Chrysene
Concen: 10.184 ng
RT: 21.427 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

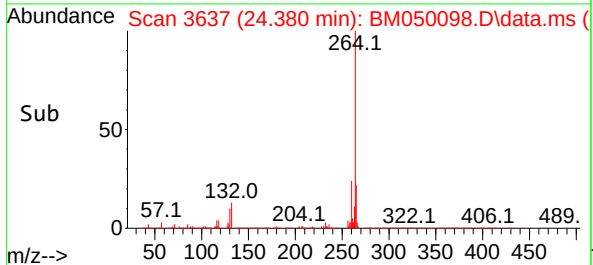
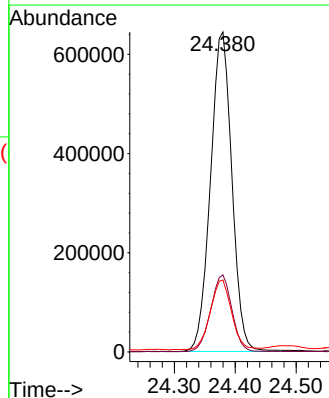
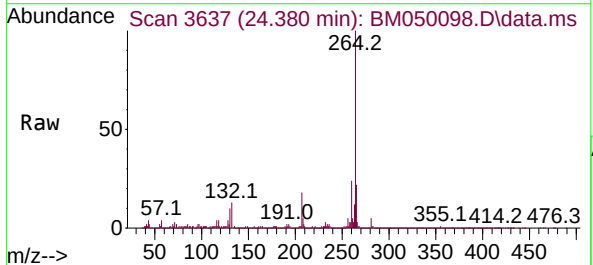
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

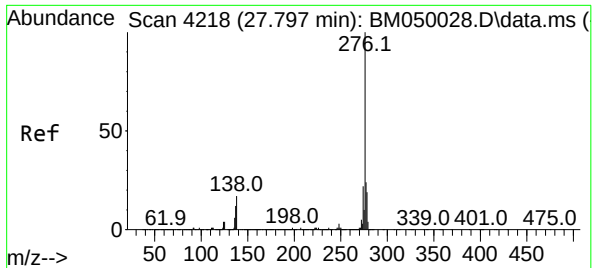
Tgt Ion:228 Resp: 1303463
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 21.7 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.024 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:264 Resp: 1568873
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.5 17.0 25.4

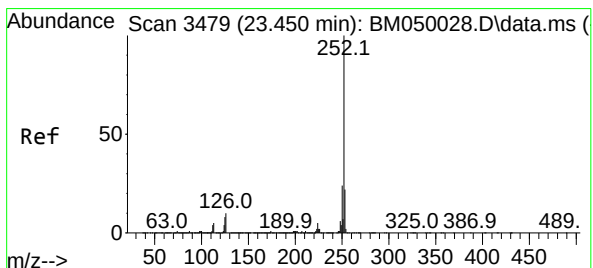
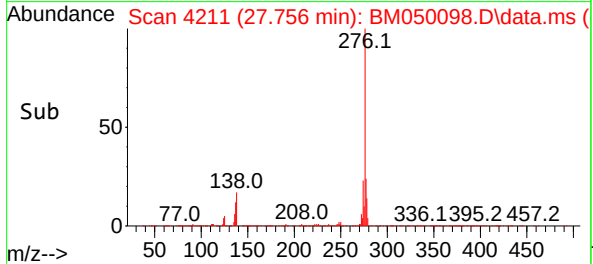
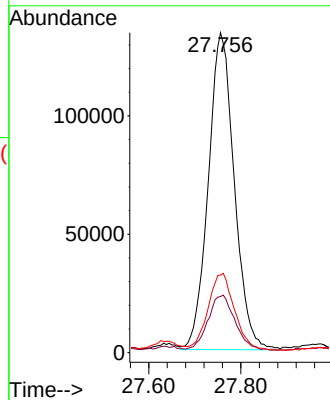
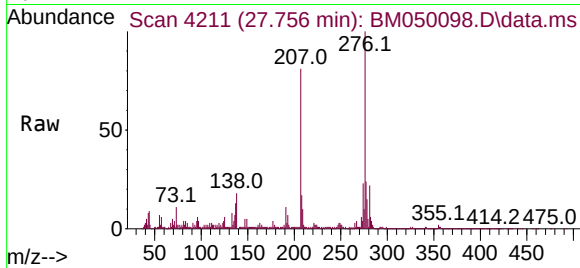




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.490 ng
RT: 27.756 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

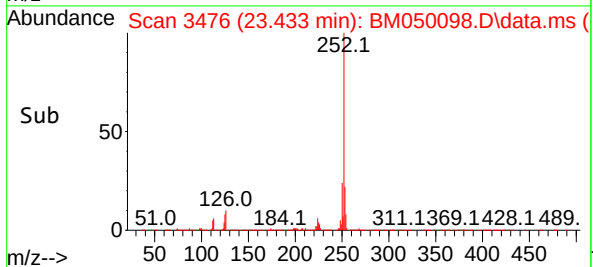
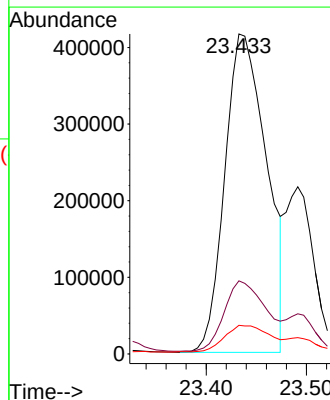
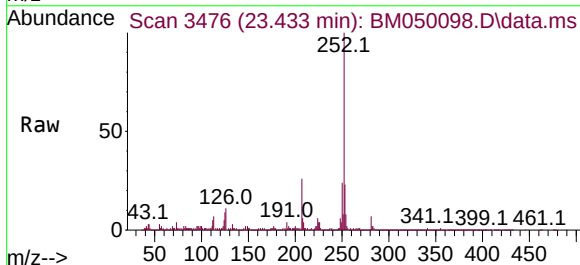
Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL

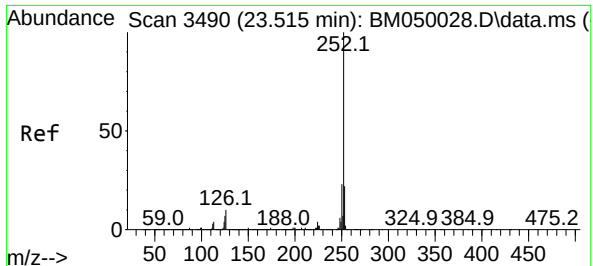
Tgt Ion:276 Resp: 524922
Ion Ratio Lower Upper
276 100
138 18.0 16.4 24.6
277 24.8 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 11.788 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Tgt Ion:252 Resp: 1202702
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.0 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 4.092 ng m

RT: 23.491 min Scan# 34

Delta R.T. -0.024 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

Instrument :

BNA_M

ClientSampleId :

CO-8R-WCDL

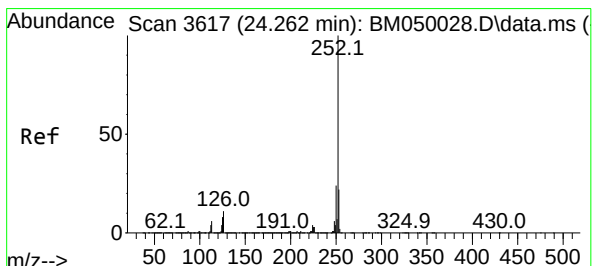
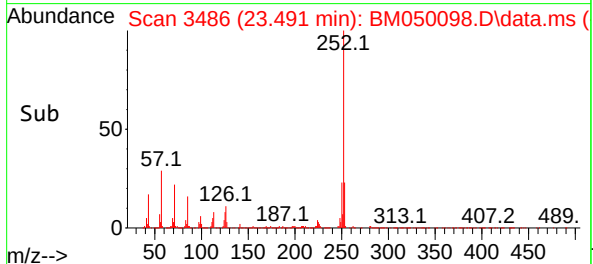
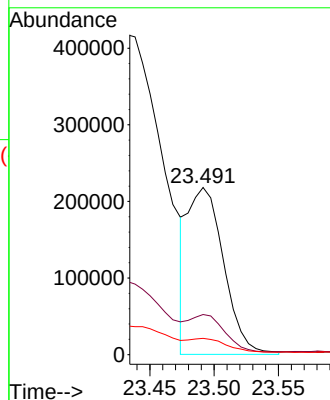
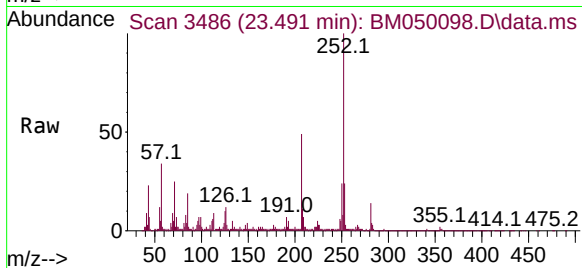
Tgt Ion:252 Resp: 422321

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

125 9.8 5.8 8.8#



#90

Benzo(a)pyrene

Concen: 9.445 ng

RT: 24.238 min Scan# 3613

Delta R.T. -0.024 min

Lab File: BM050098.D

Acq: 05 May 2025 13:40

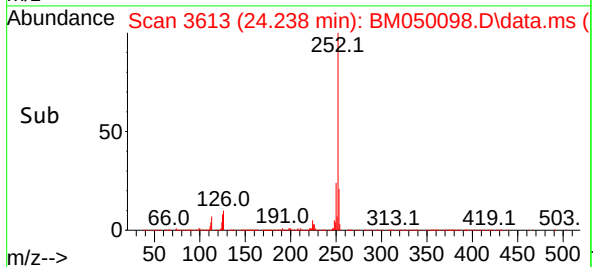
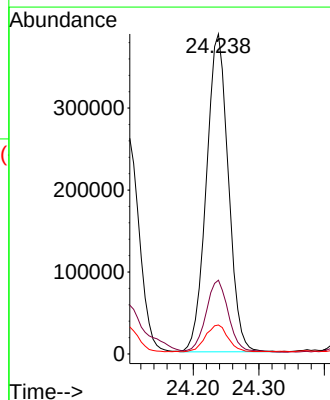
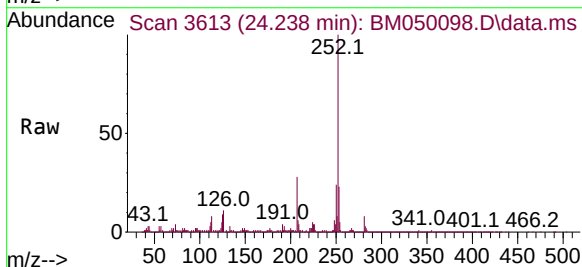
Tgt Ion:252 Resp: 902585

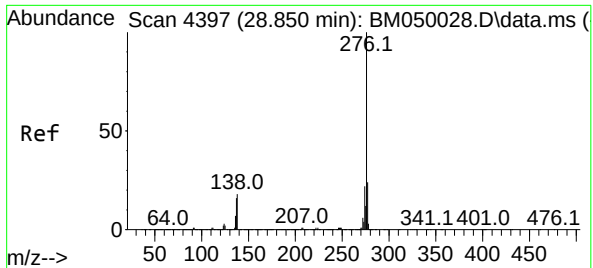
Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

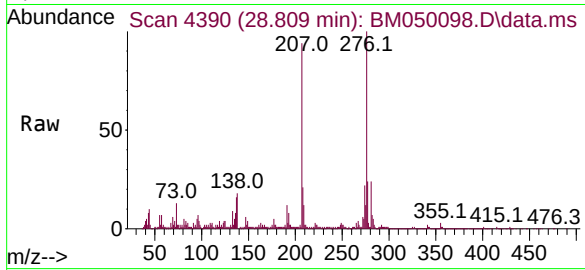
125 9.0 6.6 9.8



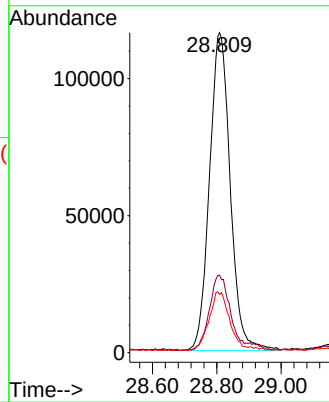
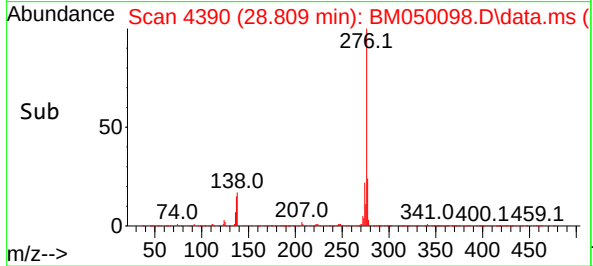


#92
Benzo(g,h,i)perylene
Concen: 5.699 ng
RT: 28.809 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050098.D
Acq: 05 May 2025 13:40

Instrument :
BNA_M
ClientSampleId :
CO-8R-WCDL



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	18.1	14.3	21.5





CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D			RRF005 = BM050025.D		RRF010 = BM050026.D	
		RRF020 = BM050027.D			RRF040 = BM050028.D		RRF050 = BM050029.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.142	5.0
Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.961	5.1
Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.436	7.1
Phenol		1.349	1.344	1.420	1.539	1.537	1.453	5.7
bis(2-Chloroethyl) ether		1.213	1.105	1.176	1.279	1.271	1.214	4.9
2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.235	5.0
2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.957	7.0
2,2-oxybis(1-Chloropropane)		1.487	1.422	1.445	1.552	1.513	1.475	3.2
Acetophenone		0.483	0.464	0.485	0.531	0.525	0.497	4.9
3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.293	8.1
n-Nitroso-di-n-propylamine	0.802	0.889	0.885	0.921	1.003	0.988	0.921	7.0
Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.406	5.7
Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	3.8
Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.351	5.2
Isophorone		0.666	0.648	0.680	0.729	0.729	0.692	4.4
2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.179	11.3
2,4-Dimethylphenol		0.263	0.266	0.289	0.324	0.322	0.297	8.4
bis(2-Chloroethoxy) methane		0.407	0.399	0.422	0.455	0.452	0.428	4.9
2,4-Dichlorophenol		0.294	0.298	0.326	0.362	0.359	0.333	8.5
Naphthalene		1.001	0.959	0.993	1.066	1.057	1.013	3.8
4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.415	7.5
Hexachlorobutadiene		0.253	0.240	0.249	0.270	0.270	0.258	4.3
Caprolactam		0.090	0.085	0.095	0.104	0.104	0.097	7.7
4-Chloro-3-methylphenol		0.289	0.283	0.302	0.325	0.329	0.308	5.7
2-Methylnaphthalene		0.656	0.639	0.662	0.713	0.714	0.679	4.2
Hexachlorocyclopentadiene			0.303	0.362	0.455	0.468	0.423	17.3
2,4,6-Trichlorophenol		0.372	0.381	0.423	0.476	0.485	0.439	10.8
2-Fluorobiphenyl		1.588	1.555	1.632	1.807	1.822	1.691	6.2
2,4,5-Trichlorophenol		0.410	0.417	0.453	0.517	0.519	0.474	9.8
1,1-Biphenyl		1.427	1.395	1.452	1.573	1.581	1.487	4.8
2-Chloronaphthalene		1.126	1.112	1.155	1.250	1.248	1.177	4.7
2-Nitroaniline		0.238	0.242	0.269	0.302	0.304	0.276	10.0
Dimethylphthalate		1.444	1.377	1.437	1.532	1.543	1.462	4.0
Acenaphthylene		1.794	1.715	1.810	1.972	1.971	1.857	5.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D			RRF005 = BM050025.D		RRF010 = BM050026.D	
		RRF020 = BM050027.D			RRF040 = BM050028.D		RRF050 = BM050029.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.266	0.271	0.299	0.327	0.331	0.303	8.5
3-Nitroaniline		0.233	0.247	0.284	0.321	0.325	0.289	12.5
Acenaphthene		1.038	0.998	1.046	1.133	1.145	1.075	4.9
2,4-Dinitrophenol			0.100	0.132	0.178	0.194	0.164	23.6
4-Nitrophenol			0.128	0.180	0.224	0.237	0.205	21.0
Dibenzofuran		1.749	1.681	1.749	1.876	1.888	1.788	4.2
2,4-Dinitrotoluene		0.338	0.366	0.412	0.456	0.468	0.418	11.7
Diethylphthalate		1.372	1.301	1.380	1.433	1.451	1.377	3.9
4-Chlorophenyl-phenylether		0.741	0.716	0.770	0.857	0.871	0.804	7.6
Fluorene		1.387	1.343	1.431	1.558	1.573	1.463	5.8
4-Nitroaniline		0.208	0.234	0.277	0.313	0.321	0.279	15.2
4,6-Dinitro-2-methylphenol			0.088	0.110	0.135	0.142	0.125	17.2
n-Nitrosodiphenylamine		0.580	0.572	0.596	0.655	0.657	0.614	5.6
2,4,6-Tribromophenol		0.253	0.249	0.281	0.318	0.329	0.296	11.6
4-Bromophenyl-phenylether		0.223	0.216	0.229	0.258	0.258	0.242	7.6
Hexachlorobenzene		0.265	0.251	0.264	0.294	0.295	0.279	6.5
Atrazine		0.196	0.198	0.214	0.236	0.242	0.222	8.5
Pentachlorophenol			0.117	0.141	0.167	0.172	0.157	14.5
Phenanthrene		1.075	1.035	1.083	1.187	1.212	1.128	5.8
Anthracene		1.062	1.038	1.096	1.214	1.236	1.142	6.8
Carbazole		0.909	0.900	0.960	1.054	1.075	0.991	7.1
Di-n-butylphthalate		1.106	1.082	1.151	1.246	1.277	1.180	6.2
Fluoranthene		1.178	1.142	1.250	1.410	1.455	1.324	9.9
Pyrene		1.290	1.255	1.332	1.518	1.520	1.404	7.8
Terphenyl-d14		1.176	1.189	1.332	1.524	1.541	1.352	11.6
Butylbenzylphthalate		0.489	0.479	0.515	0.562	0.568	0.526	6.5
3,3-Dichlorobenzidine		0.434	0.432	0.483	0.580	0.597	0.527	14.1
Benzo (a) anthracene		1.280	1.231	1.321	1.478	1.479	1.377	7.2
Chrysene		1.208	1.170	1.214	1.342	1.369	1.275	6.0
Bis (2-ethylhexyl) phthalate		0.726	0.725	0.775	0.843	0.852	0.786	6.6
Di-n-octyl phthalate		1.221	1.197	1.267	1.366	1.404	1.296	5.9
Benzo (b) fluoranthene		1.128	1.149	1.209	1.406	1.415	1.301	10.2
Benzo (k) fluoranthene		1.219	1.150	1.251	1.387	1.449	1.316	8.3
Benzo (a) pyrene		1.094	1.066	1.147	1.295	1.330	1.218	9.2
Indeno (1,2,3-cd) pyrene		1.301	1.293	1.404	1.602	1.646	1.490	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WALS01
 Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D		RRF005 = BM050025.D		RRF010 = BM050026.D		
		RRF020 = BM050027.D		RRF040 = BM050028.D		RRF050 = BM050029.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.056	1.044	1.142	1.300	1.347	1.215	10.7
Benzo (g,h,i) perylene		1.066	1.030	1.105	1.236	1.268	1.163	8.1
1,2,4,5-Tetrachlorobenzene		0.624	0.622	0.655	0.742	0.745	0.692	8.2
1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.490	3.8
2,3,4,6-Tetrachlorophenol		0.366	0.362	0.398	0.435	0.445	0.410	8.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 28 18:09:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM050031.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490		3.75
3)	Pyridine	1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258		5.03
4)	n-Nitrosodimet...	0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493		4.62
5) S	2-Fluorophenol	1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142		5.04
6)	Aniline	1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813		6.16
7) S	Phenol-d6	1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436		7.13
8)	2-Chlorophenol	1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235		4.96
9)	Benzaldehyde	0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961		5.08
10) C	Phenol	1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453		5.73
11)	bis(2-Chloroet...	1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213		4.90
12)	1,3-Dichlorobe...	1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492		3.51
13) C	1,4-Dichlorobe...	1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499		3.60
14)	1,2-Dichlorobe...	1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448		3.50
15)	Benzyl Alcohol	0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996		9.16
16)	2,2'-oxybis(1-...	1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475		3.17
17)	2-Methylphenol	0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957		6.96
18)	Hexachloroethane	0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533		3.79
19) P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)	3+4-Methylphenols	1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293		8.09
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497		4.94
23) S	Nitrobenzene-d5	0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406		5.68
24)	Nitrobenzene	0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351		5.16
25)	Isophorone	0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692		4.44
26) C	2-Nitrophenol	0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179		11.33
27)	2,4-Dimethylph...	0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297		8.42
28)	bis(2-Chloroet...	0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428		4.92
29) C	2,4-Dichloroph...	0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333		8.47
30)	1,2,4-Trichlor...	0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406		4.02
31)	Naphthalene	1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013		3.80
32)	Benzoic acid		0.138	0.172	0.197	0.206	0.212	0.215	0.190		15.67
33)	4-Chloroaniline	0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415		7.51
34) C	Hexachlorobuta...	0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258		4.34
35)	Caprolactam	0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097		7.73
36) C	4-Chloro-3-met...	0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308		5.72
37)	2-Methylnaphth...	0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679		4.22
38)	1-Methylnaphth...	0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719		3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M

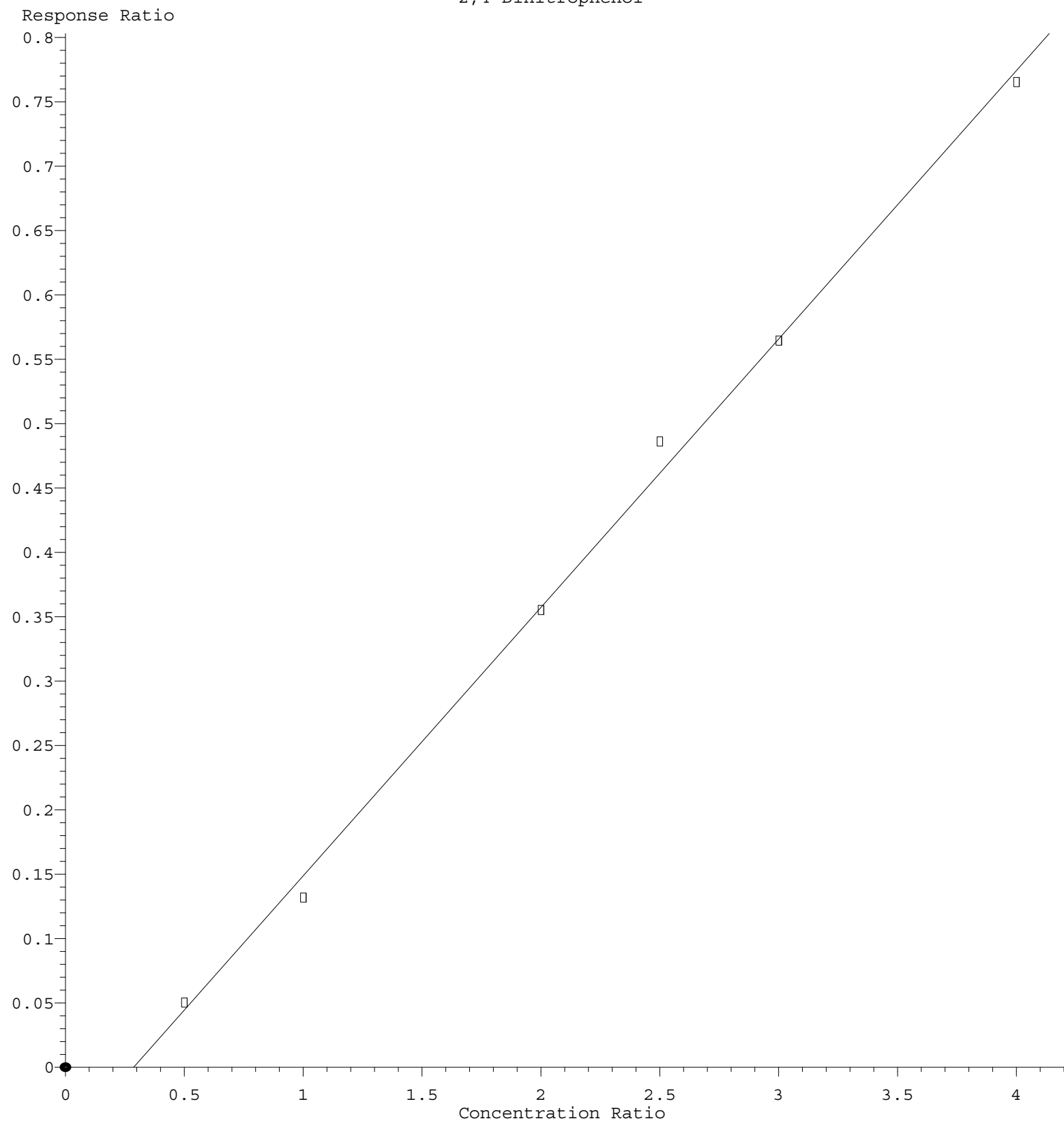
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...		0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41) P	Hexachlorocycl...			0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42) S	2,4,6-Tribromo...		0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43) C	2,4,6-Trichlor...		0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)	2,4,5-Trichlor...		0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45) S	2-Fluorobiphenyl		1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)	1,1'-Biphenyl		1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)	2-Chloronaphth...		1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)	2-Nitroaniline		0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)	Acenaphthylene		1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)	Dimethylphthalate		1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)	2,6-Dinitrotol...		0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52) C	Acenaphthene		1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)	3-Nitroaniline		0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54) P	2,4-Dinitrophenol			0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)	Dibenzofuran		1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56) P	4-Nitrophenol			0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)	2,4-Dinitrotol...		0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)	Fluorene		1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)	2,3,4,6-Tetrac...		0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)	Diethylphthalate		1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)	4-Chlorophenyl...		0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)	4-Nitroaniline		0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)	Azobenzene		1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...			0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66) c	n-Nitrosodiphe...		0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)	4-Bromophenyl-...		0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)	Hexachlorobenzene		0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)	Atrazine		0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70) C	Pentachlorophenol			0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)	Phenanthrene		1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)	Anthracene		1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)	Carbazole		0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)	Di-n-butylphth...		1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75) C	Fluoranthene		1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine			0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)	Pyrene		1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79) S	Terphenyl-d14		1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)	Butylbenzylpht...		0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)	Benzo(a)anthra...		1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)	3,3'-Dichlorob...		0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)	Chrysene		1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)	Bis(2-ethylhex...		0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85) c	Di-n-octyl pht...		1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)	Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)	Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90) C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)	Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)	Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

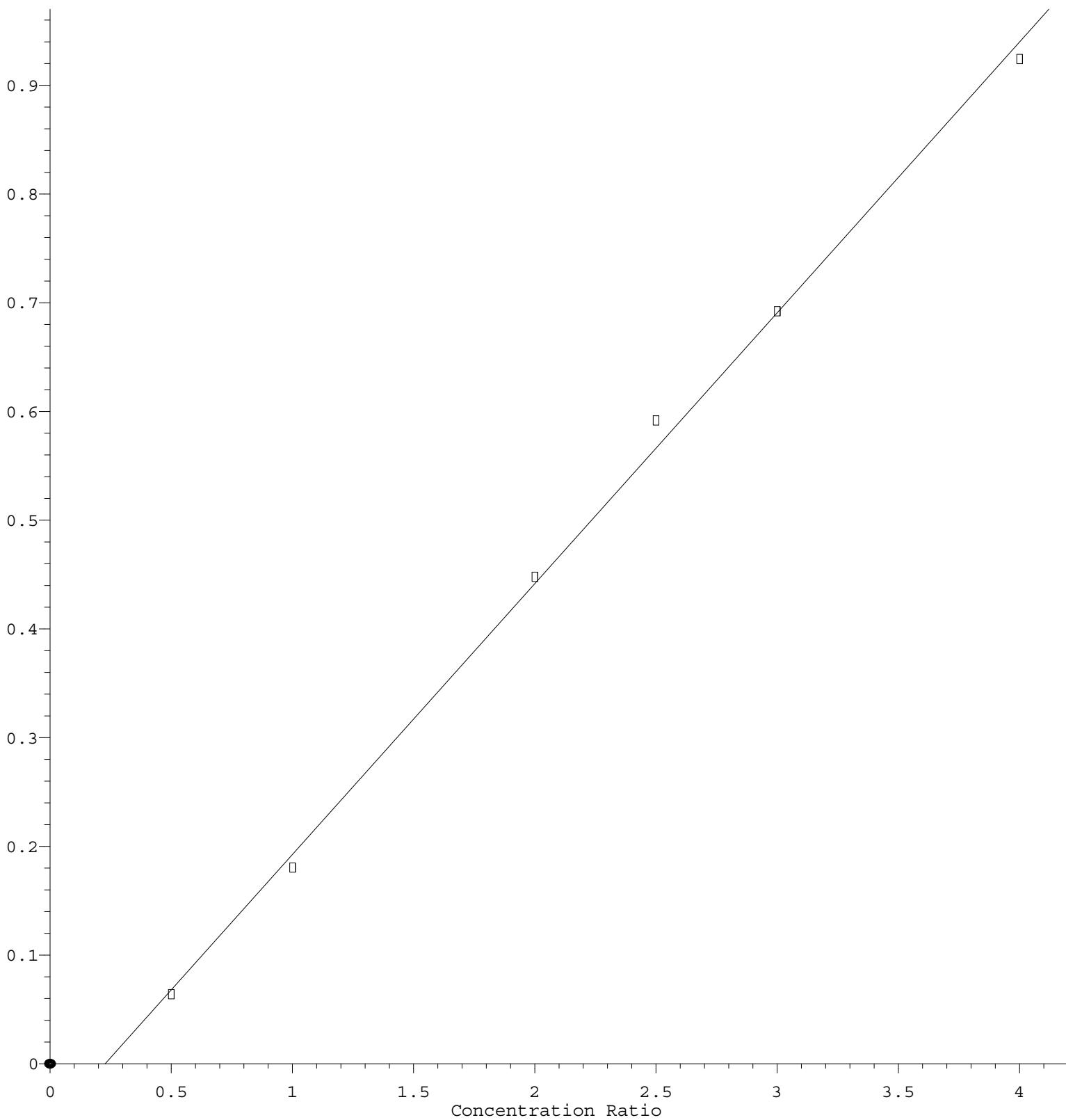
2,4-Dinitrophenol



Response = 2.086e-001 * Amt - 5.991e-002
 Coef of Det (r^2) = 0.997215 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M
 Calibration Table Last Updated: Mon Apr 28 18:09:16 2025

4-Nitrophenol

Response Ratio



$$\text{Response} = 2.492\text{e-}001 * \text{Amt} - 5.648\text{e-}002$$

Coef of Det (r^2) = 0.997878 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M

Calibration Table Last Updated: Mon Apr 28 18:09:16 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

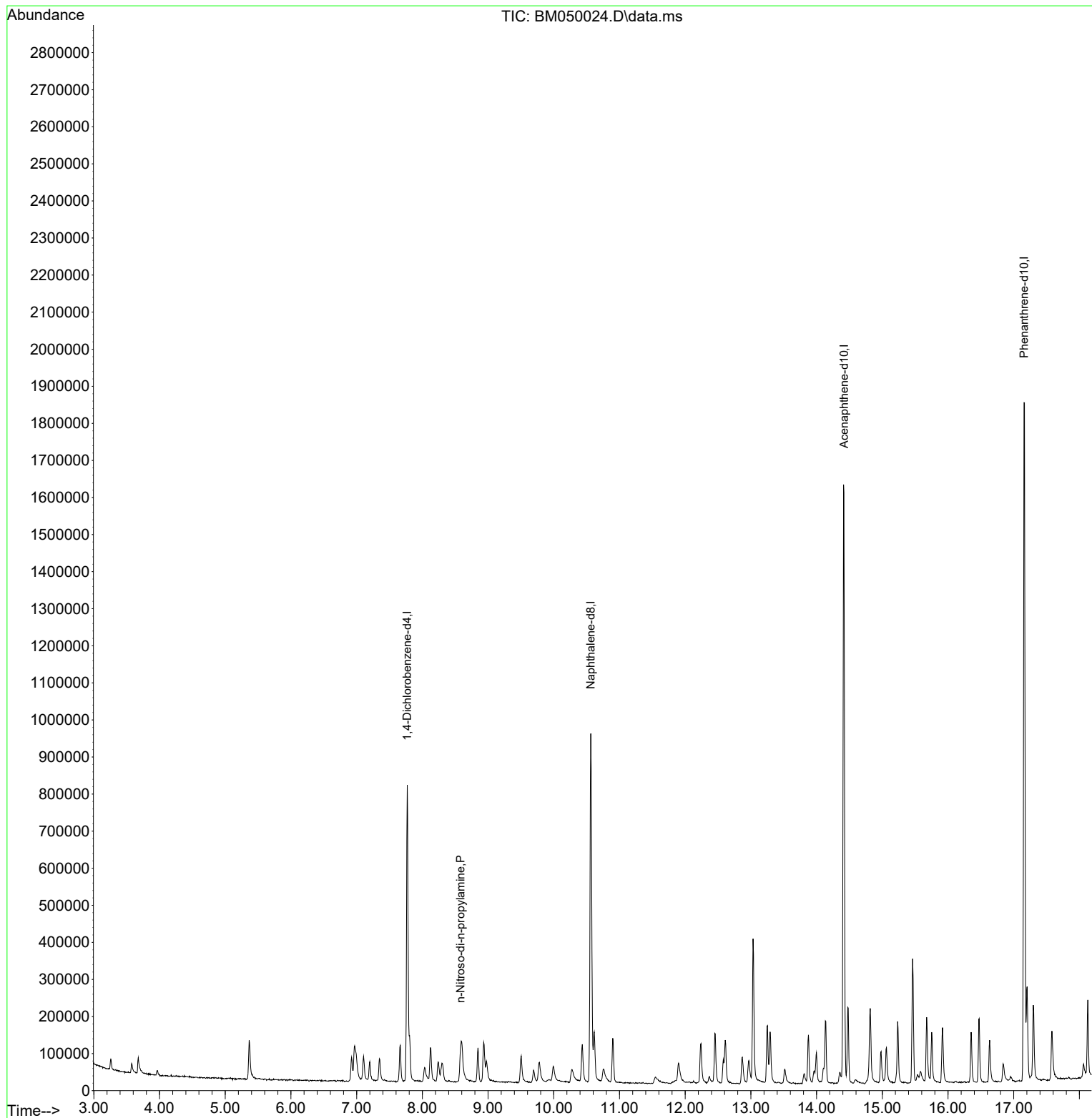
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241974	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868675	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	604723	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1218544	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1187007	20.000	ng	0.00
86) Perylene-d12	24.409	264	1217038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.581	70	24247	2.177	ng	Qvalue 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

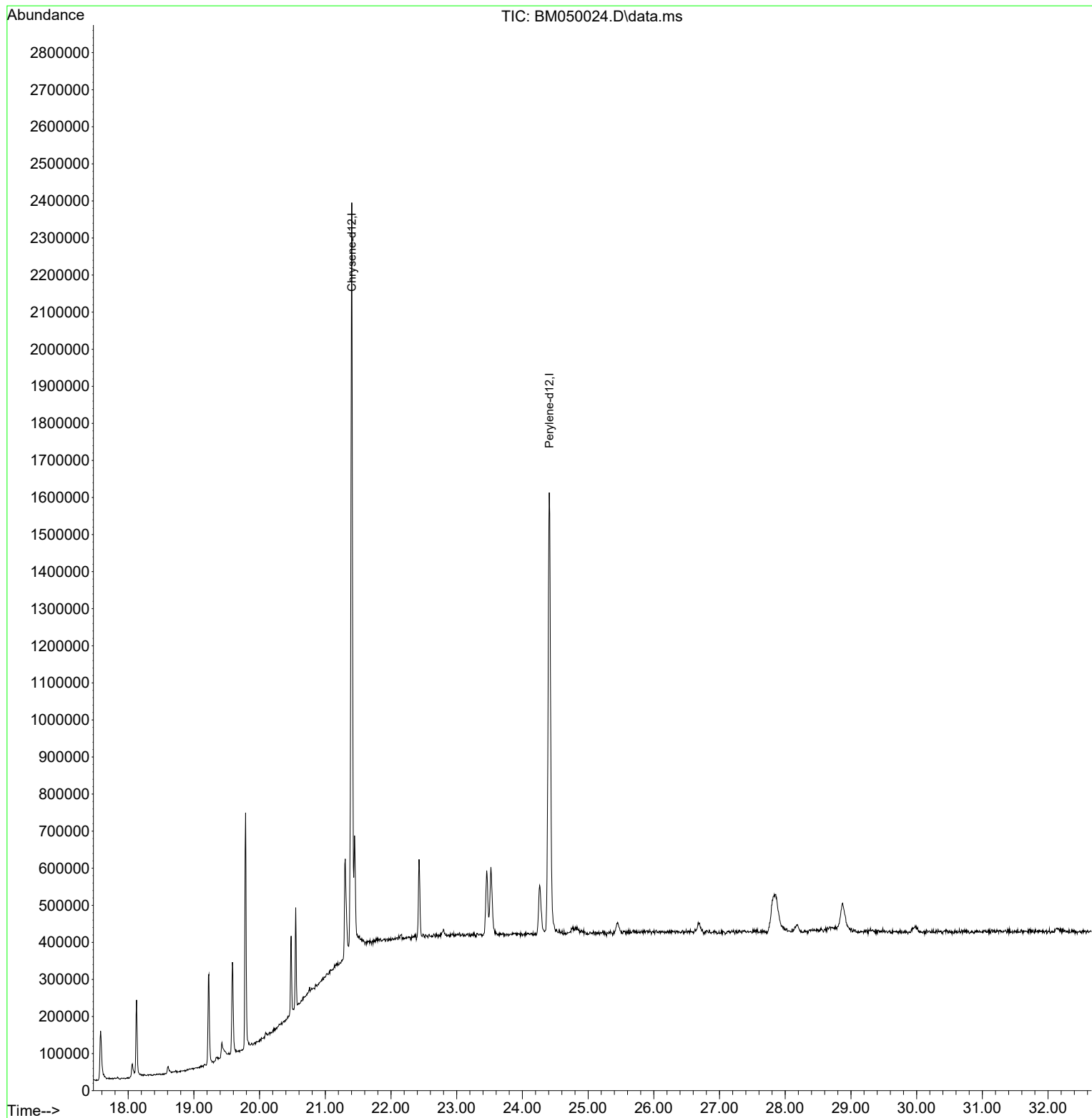
Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050025.D
 Acq On : 28 Apr 2025 13:09
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	222427	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	815362	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	578294	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1183325	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1136162	20.000	ng	0.00
86) Perylene-d12	24.403	264	1149910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	119473	9.406	ng	0.00
7) Phenol-d6	6.957	99	143453	8.985	ng	0.00
23) Nitrobenzene-d5	8.928	82	157222	9.502	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	73192	8.560	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	459031	9.390	ng	0.00
79) Terphenyl-d14	19.780	244	668289	8.704	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	28163	5.171	ng	98
3) Pyridine	3.669	79	66766	4.771	ng	98
4) n-Nitrosodimethylamine	3.575	42	27060	4.930	ng	# 92
6) Aniline	7.098	93	92126	4.570	ng	97
8) 2-Chlorophenol	7.345	128	64999	4.733	ng	99
9) Benzaldehyde	6.916	77	52286m	4.900	ng	
10) Phenol	6.987	94	75011	4.641	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	67447	4.998	ng	98
12) 1,3-Dichlorobenzene	7.657	146	82466	4.971	ng	98
13) 1,4-Dichlorobenzene	7.804	146	84400	5.064	ng	97
14) 1,2-Dichlorobenzene	8.122	146	78966	4.905	ng	99
15) Benzyl Alcohol	8.022	79	48180	4.352	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.298	45	82711	5.042	ng	93
17) 2-Methylphenol	8.234	107	47632	4.474	ng	99
18) Hexachloroethane	8.845	117	30717	5.185	ng	97
19) n-Nitroso-di-n-propyla...	8.575	70	49455	4.830	ng	98
20) 3+4-Methylphenols	8.575	107	63223	4.397	ng	# 91
22) Acetophenone	8.598	105	98358	4.852	ng	98
24) Nitrobenzene	8.975	77	68598	4.795	ng	94
25) Isophorone	9.498	82	135828	4.816	ng	98
26) 2-Nitrophenol	9.692	139	30257	4.140	ng	95
27) 2,4-Dimethylphenol	9.763	122	53660	4.427	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	82947	4.758	ng	99
29) 2,4-Dichlorophenol	10.263	162	59828	4.406	ng	97
30) 1,2,4-Trichlorobenzene	10.428	180	81624	4.934	ng	97
31) Naphthalene	10.616	128	204133	4.944	ng	98
33) 4-Chloroaniline	10.751	127	73542	4.345	ng	97
34) Hexachlorobutadiene	10.898	225	51529	4.907	ng	98
35) Caprolactam	11.522	113	18349m	4.634	ng	
36) 4-Chloro-3-methylphenol	11.886	107	58843	4.690	ng	97
37) 2-Methylnaphthalene	12.233	142	133679	4.829	ng	97
38) 1-Methylnaphthalene	12.451	142	143332	4.892	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	90168	4.504	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	53748	4.233	ng	96
44) 2,4,5-Trichlorophenol	12.951	196	59224	4.325	ng	98
46) 1,1'-Biphenyl	13.245	154	206296	4.799	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050025.D
 Acq On : 28 Apr 2025 13:09
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

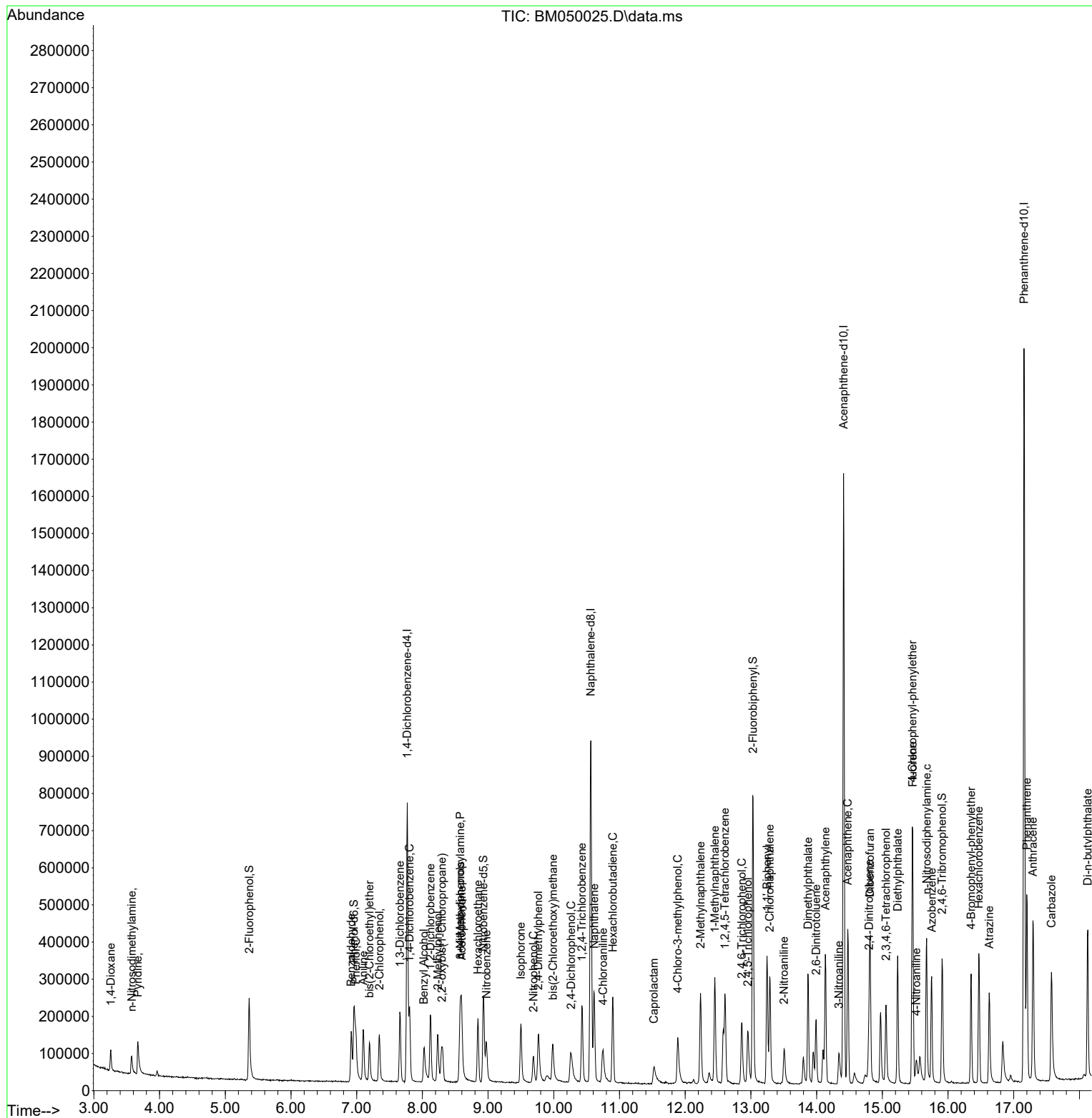
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.286	162	162803	4.782	ng	98
48) 2-Nitroaniline	13.504	65	34348	4.299	ng	91
49) Acenaphthylene	14.133	152	259406	4.832	ng	100
50) Dimethylphthalate	13.869	163	208800	4.941	ng	100
51) 2,6-Dinitrotoluene	13.992	165	38453	4.395	ng	94
52) Acenaphthene	14.474	154	150042	4.829	ng	99
53) 3-Nitroaniline	14.339	138	33713	4.036	ng	# 94
55) Dibenzofuran	14.816	168	252898	4.892	ng	99
57) 2,4-Dinitrotoluene	14.798	165	48901	4.044	ng	# 87
58) Fluorene	15.463	166	200542	4.739	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.057	232	52899	4.463	ng	97
60) Diethylphthalate	15.233	149	198362	4.981	ng	98
61) 4-Chlorophenyl-phenyle...	15.457	204	107081	4.607	ng	94
62) 4-Nitroaniline	15.515	138	30138m	3.737	ng	
63) Azobenzene	15.751	77	161662	4.844	ng	98
66) n-Nitrosodiphenylamine	15.674	169	171608	4.723	ng	97
67) 4-Bromophenyl-phenylether	16.351	248	66000	4.612	ng	95
68) Hexachlorobenzene	16.468	284	78506	4.759	ng	99
69) Atrazine	16.627	200	58110	4.433	ng	99
71) Phenanthrene	17.198	178	317954	4.764	ng	99
72) Anthracene	17.292	178	314149	4.651	ng	99
73) Carbazole	17.574	167	268774	4.586	ng	99
74) Di-n-butylphthalate	18.127	149	327178	4.688	ng	100
75) Fluoranthene	19.221	202	348593	4.449	ng	99
78) Pyrene	19.586	202	366473	4.593	ng	99
80) Butylbenzylphthalate	20.480	149	138827	4.646	ng	97
81) Benzo(a)anthracene	21.380	228	363641	4.648	ng	99
82) 3,3'-Dichlorobenzidine	21.315	252	123375	4.119	ng	# 95
83) Chrysene	21.445	228	343085	4.738	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	206231	4.620	ng	96
85) Di-n-octyl phthalate	22.427	149	346799	4.711	ng	98
87) Indeno(1,2,3-cd)pyrene	27.803	276	373944	4.364	ng	# 87
88) Benzo(b)fluoranthene	23.456	252	324395	4.338	ng	99
89) Benzo(k)fluoranthene	23.515	252	350374m	4.631	ng	
90) Benzo(a)pyrene	24.262	252	314608	4.492	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	303557	4.346	ng	98
92) Benzo(g,h,i)perylene	28.862	276	306571	4.585	ng	98

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



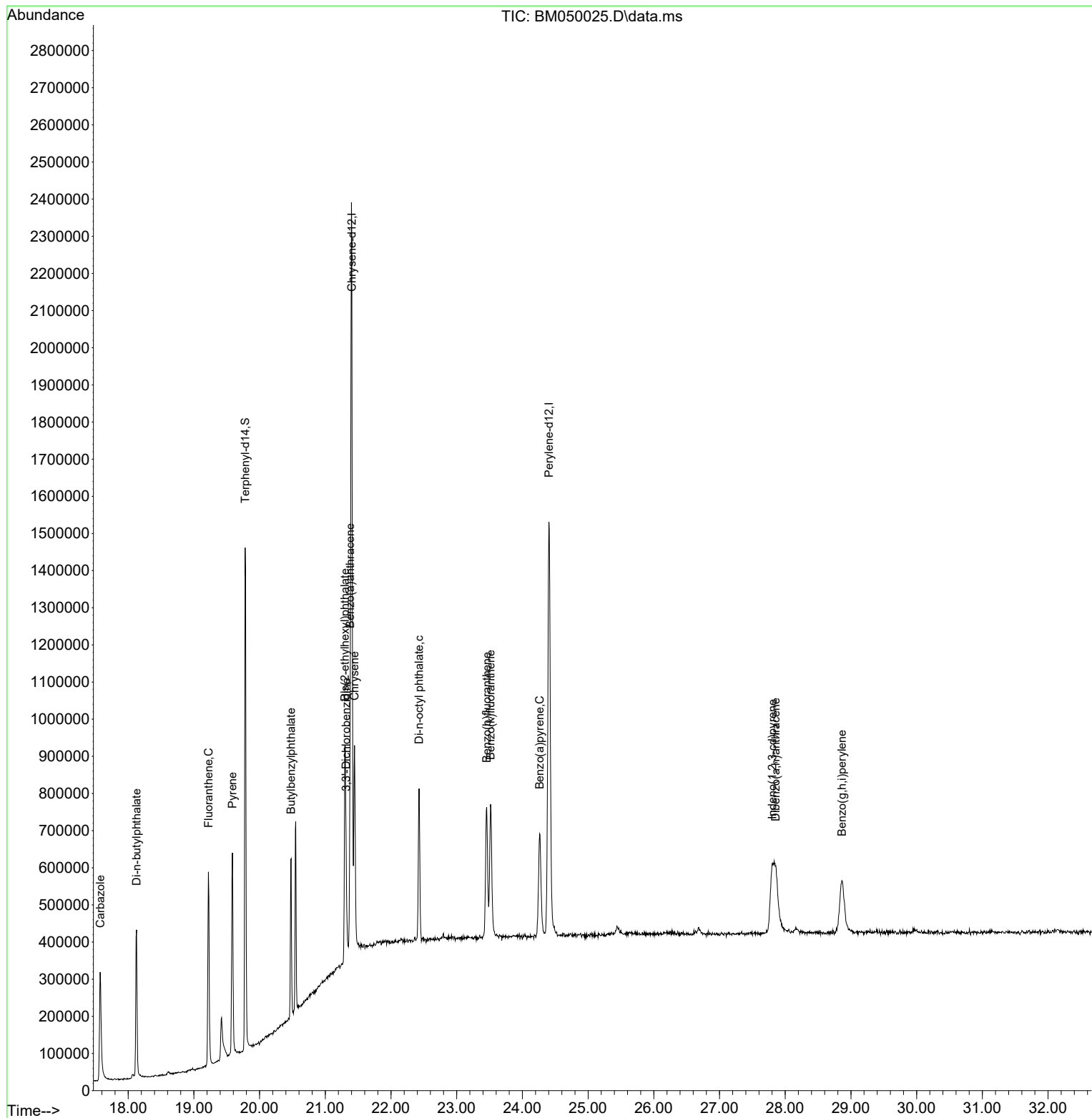
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	250110	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	926512	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	636652	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1274608	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1213581	20.000	ng	0.00
86) Perylene-d12	24.403	264	1224339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	269870	18.894	ng	0.00
7) Phenol-d6	6.957	99	329701	18.366	ng	0.00
23) Nitrobenzene-d5	8.928	82	346334	18.420	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	158339	16.820	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	989917	18.394	ng	0.00
79) Terphenyl-d14	19.780	244	1443528	17.601	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	58048	9.478	ng	98
3) Pyridine	3.663	79	145801	9.266	ng	98
4) n-Nitrosodimethylamine	3.569	42	57404	9.302	ng	# 93
6) Aniline	7.098	93	211256	9.319	ng	100
8) 2-Chlorophenol	7.339	128	145228	9.404	ng	99
9) Benzaldehyde	6.916	77	115030m	9.587	ng	
10) Phenol	6.981	94	168041	9.246	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	138197	9.107	ng	100
12) 1,3-Dichlorobenzene	7.657	146	178565	9.572	ng	96
13) 1,4-Dichlorobenzene	7.804	146	177312	9.461	ng	99
14) 1,2-Dichlorobenzene	8.122	146	174224	9.624	ng	100
15) Benzyl Alcohol	8.022	79	110234	8.854	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	177776	9.637	ng	97
17) 2-Methylphenol	8.228	107	111639	9.325	ng	99
18) Hexachloroethane	8.845	117	63487	9.530	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	110641	9.609	ng	98
20) 3+4-Methylphenols	8.563	107	146303	9.049	ng	99
22) Acetophenone	8.592	105	214790	9.325	ng	98
24) Nitrobenzene	8.969	77	150534	9.259	ng	99
25) Isophorone	9.498	82	300179	9.366	ng	99
26) 2-Nitrophenol	9.686	139	72521	8.732	ng	97
27) 2,4-Dimethylphenol	9.757	122	123406	8.960	ng	97
28) bis(2-Chloroethoxy)met...	9.975	93	184837	9.331	ng	99
29) 2,4-Dichlorophenol	10.245	162	137916	8.938	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	177721	9.453	ng	97
31) Naphthalene	10.610	128	444206	9.467	ng	99
32) Benzoic acid	9.875	122	63971m	7.282	ng	
33) 4-Chloroaniline	10.739	127	181907	9.458	ng	99
34) Hexachlorobutadiene	10.898	225	111307	9.327	ng	99
35) Caprolactam	11.516	113	39344	8.745	ng	94
36) 4-Chloro-3-methylphenol	11.880	107	131076	9.194	ng	98
37) 2-Methylnaphthalene	12.227	142	296053	9.411	ng	97
38) 1-Methylnaphthalene	12.451	142	312512	9.387	ng	97
40) 1,2,4,5-Tetrachloroben...	12.604	216	197943	8.981	ng	99
41) Hexachlorocyclopentadiene	12.580	237	96522	7.166	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	121240	8.673	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	132882	8.815	ng	96
46) 1,1'-Biphenyl	13.245	154	443960	9.381	ng	99
47) 2-Chloronaphthalene	13.286	162	354101	9.447	ng	99
48) 2-Nitroaniline	13.498	65	77101	8.764	ng	94
49) Acenaphthylene	14.133	152	545774	9.235	ng	100
50) Dimethylphthalate	13.868	163	438261	9.419	ng	99
51) 2,6-Dinitrotoluene	13.992	165	86242	8.953	ng	98
52) Acenaphthene	14.474	154	317735	9.288	ng	98
53) 3-Nitroaniline	14.333	138	78720	8.559	ng	# 99
54) 2,4-Dinitrophenol	14.563	184	31979	10.558	ng	96
55) Dibenzofuran	14.810	168	535023	9.401	ng	99
56) 4-Nitrophenol	14.710	139	40722	9.668	ng	96
57) 2,4-Dinitrotoluene	14.792	165	116476	8.750	ng	95
58) Fluorene	15.462	166	427384	9.174	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	115185	8.828	ng	98
60) Diethylphthalate	15.233	149	414149	9.447	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	227926	8.908	ng	94
62) 4-Nitroaniline	15.498	138	74565m	8.397	ng	
63) Azobenzene	15.745	77	347347	9.454	ng	99
65) 4,6-Dinitro-2-methylph...	15.562	198	56182	7.042	ng	93
66) n-Nitrosodiphenylamine	15.668	169	364601	9.315	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	137532	8.923	ng	99
68) Hexachlorobenzene	16.468	284	160195	9.016	ng	99
69) Atrazine	16.621	200	126168	8.937	ng	98
70) Pentachlorophenol	16.827	266	74839	7.483	ng	95
71) Phenanthrene	17.198	178	659374	9.172	ng	100
72) Anthracene	17.292	178	661260	9.089	ng	99
73) Carbazole	17.568	167	573667	9.087	ng	99
74) Di-n-butylphthalate	18.121	149	689248	9.168	ng	99
75) Fluoranthene	19.221	202	727607	8.621	ng	99
77) Benzidine	19.415	184	339970	7.887	ng	99
78) Pyrene	19.586	202	761625	8.937	ng	99
80) Butylbenzylphthalate	20.474	149	290617	9.105	ng	93
81) Benzo(a)anthracene	21.380	228	747128	8.940	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	262017	8.190	ng	100
83) Chrysene	21.444	228	709862	9.178	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	439949	9.228	ng	98
85) Di-n-octyl phthalate	22.427	149	726208	9.236	ng	99
87) Indeno(1,2,3-cd)pyrene	27.791	276	791344	8.674	ng	99
88) Benzo(b)fluoranthene	23.450	252	703118	8.831	ng	98
89) Benzo(k)fluoranthene	23.515	252	704142	8.741	ng	99
90) Benzo(a)pyrene	24.262	252	652617	8.751	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	638913	8.591	ng	98
92) Benzo(g,h,i)perylene	28.850	276	630261	8.852	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

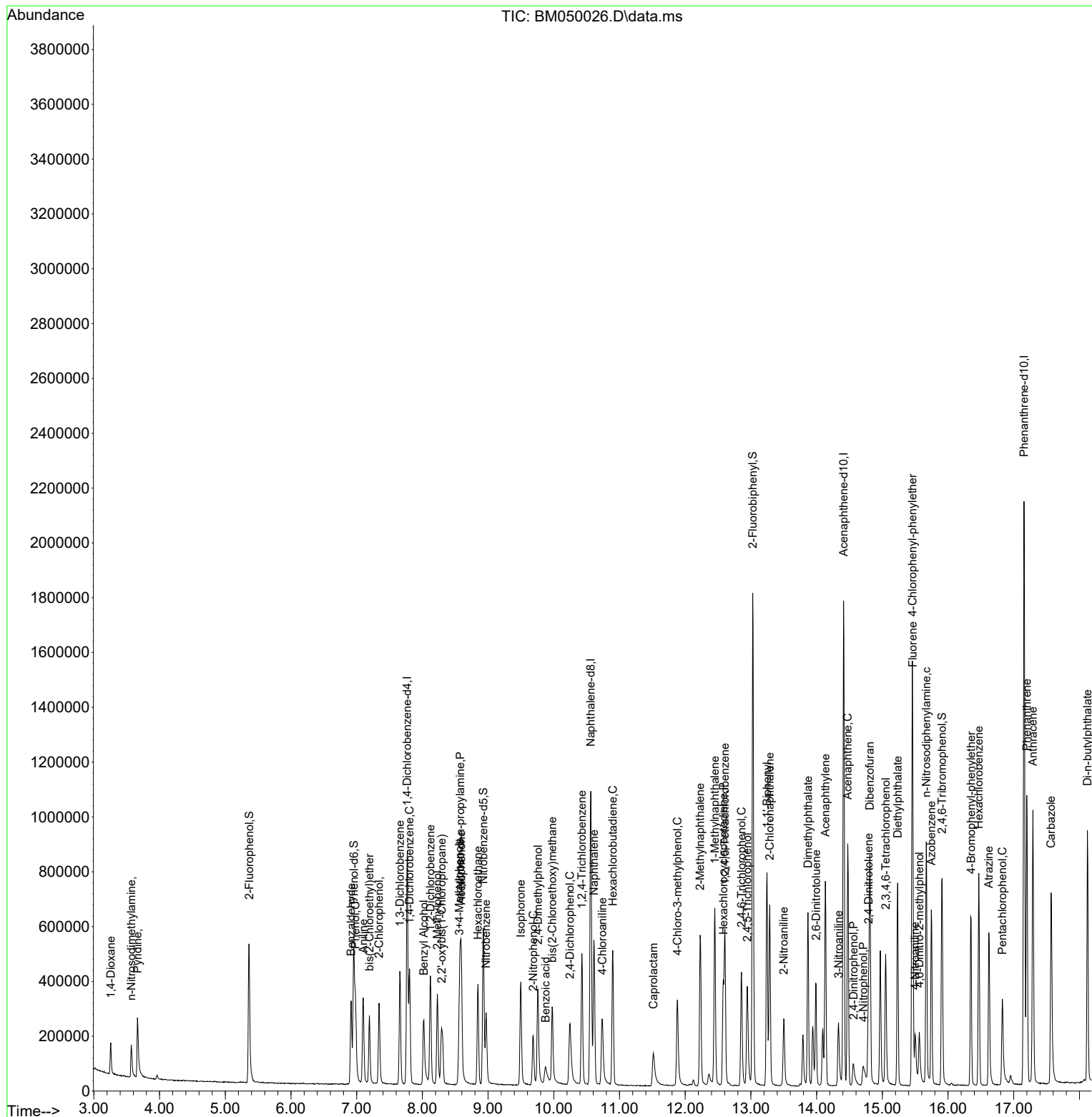
Quant Time: Apr 28 17:54:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration



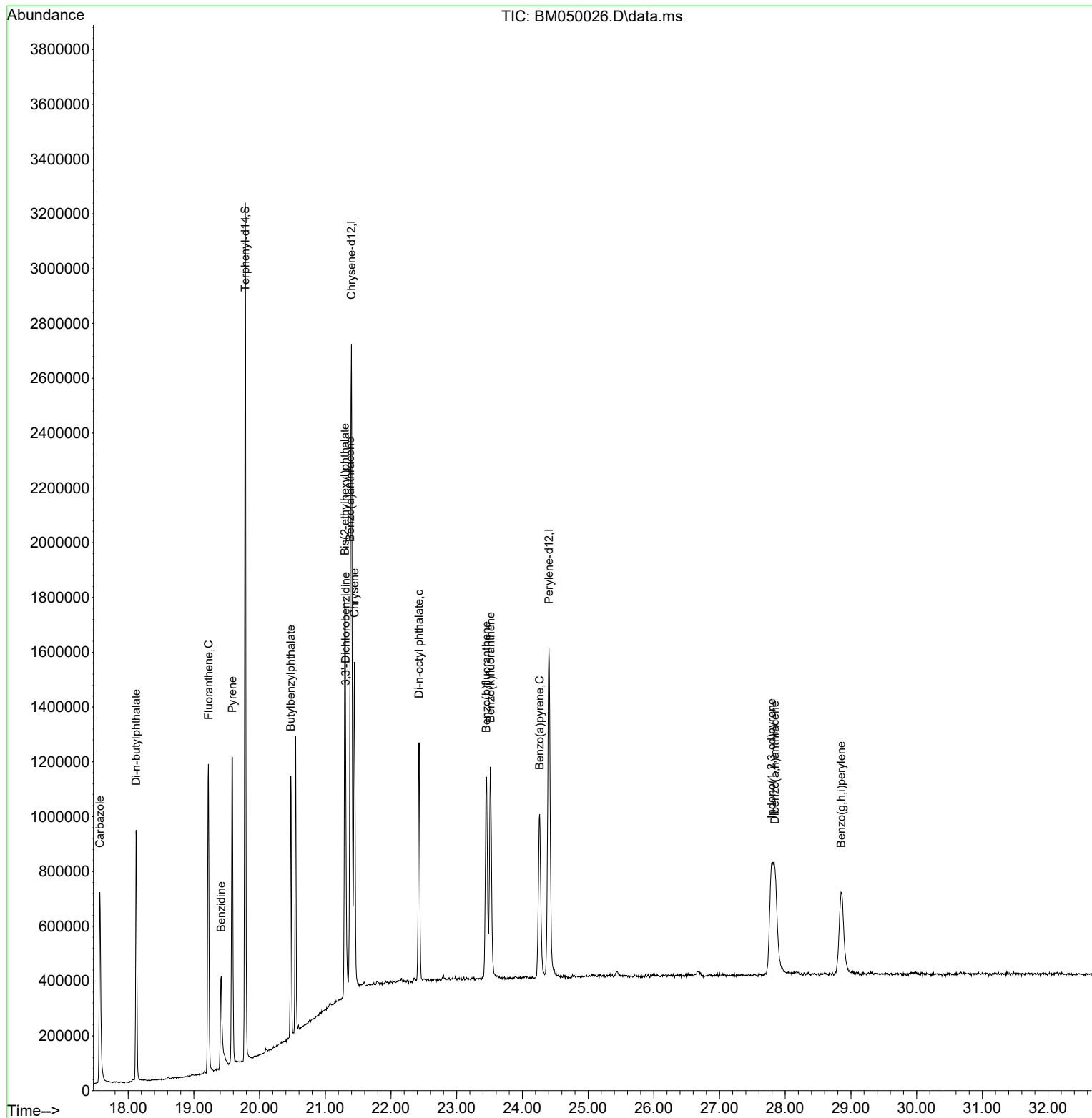
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050027.D
 Acq On : 28 Apr 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	242715	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	896366	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	614688	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1244440	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1204355	20.000	ng	0.00
86) Perylene-d12	24.403	264	1191041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	537488	38.777	ng	0.00
7) Phenol-d6	6.951	99	678404	38.941	ng	0.00
23) Nitrobenzene-d5	8.928	82	712171	39.151	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	345020	37.960	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2005788	38.602	ng	0.00
79) Terphenyl-d14	19.780	244	3208242	39.418	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	115944	19.509	ng	99
3) Pyridine	3.658	79	298256	19.532	ng	98
4) n-Nitrosodimethylamine	3.569	42	115296	19.251	ng	# 100
6) Aniline	7.098	93	429222	19.511	ng	99
8) 2-Chlorophenol	7.340	128	290876	19.409	ng	99
9) Benzaldehyde	6.910	77	235594	20.233	ng	98
10) Phenol	6.981	94	344567	19.537	ng	98
11) bis(2-Chloroethyl)ether	7.193	93	285330	19.375	ng	99
12) 1,3-Dichlorobenzene	7.657	146	352660	19.480	ng	99
13) 1,4-Dichlorobenzene	7.804	146	354975	19.518	ng	99
14) 1,2-Dichlorobenzene	8.122	146	345385	19.660	ng	99
15) Benzyl Alcohol	8.016	79	234541	19.413	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	350829	19.598	ng	98
17) 2-Methylphenol	8.228	107	225978	19.450	ng	99
18) Hexachloroethane	8.845	117	126530	19.571	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	223538	20.006	ng	99
20) 3+4-Methylphenols	8.557	107	307585	19.604	ng	97
22) Acetophenone	8.592	105	434539	19.499	ng	98
24) Nitrobenzene	8.969	77	309341	19.667	ng	99
25) Isophorone	9.498	82	609252	19.648	ng	99
26) 2-Nitrophenol	9.681	139	154364	19.211	ng	97
27) 2,4-Dimethylphenol	9.751	122	259319	19.460	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	378162	19.732	ng	100
29) 2,4-Dichlorophenol	10.234	162	292336	19.582	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	352792	19.397	ng	98
31) Naphthalene	10.610	128	890530	19.618	ng	99
32) Benzoic acid	9.881	122	154412m	18.168	ng	
33) 4-Chloroaniline	10.734	127	362366	19.475	ng	99
34) Hexachlorobutadiene	10.898	225	223143	19.327	ng	99
35) Caprolactam	11.516	113	84917	19.509	ng	93
36) 4-Chloro-3-methylphenol	11.875	107	270510	19.613	ng	99
37) 2-Methylnaphthalene	12.228	142	593403	19.498	ng	99
38) 1-Methylnaphthalene	12.445	142	634293	19.694	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	402355	18.909	ng	99
41) Hexachlorocyclopentadiene	12.575	237	222254	17.091	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	260161	19.276	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050027.D
 Acq On : 28 Apr 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	278307	19.123	ng	98
46) 1,1'-Biphenyl	13.239	154	892394	19.530	ng	99
47) 2-Chloronaphthalene	13.286	162	709815	19.614	ng	100
48) 2-Nitroaniline	13.498	65	165324	19.465	ng	99
49) Acenaphthylene	14.133	152	1112766	19.502	ng	99
50) Dimethylphthalate	13.869	163	883120	19.659	ng	99
51) 2,6-Dinitrotoluene	13.986	165	183493	19.729	ng	99
52) Acenaphthene	14.474	154	643177	19.474	ng	99
53) 3-Nitroaniline	14.327	138	174626	19.666	ng	97
54) 2,4-Dinitrophenol	14.551	184	80991	18.373	ng	99
55) Dibenzofuran	14.810	168	1074975	19.562	ng	99
56) 4-Nitrophenol	14.686	139	110948	19.021	ng	96
57) 2,4-Dinitrotoluene	14.786	165	252994	19.685	ng	100
58) Fluorene	15.457	166	879470	19.553	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	244928	19.442	ng	99
60) Diethylphthalate	15.233	149	848021	20.034	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	473276	19.157	ng	95
62) 4-Nitroaniline	15.492	138	170438	19.880	ng	95
63) Azobenzene	15.745	77	707026	19.930	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	136910	17.576	ng	94
66) n-Nitrosodiphenylamine	15.669	169	741920	19.415	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	285352	18.962	ng	98
68) Hexachlorobenzene	16.468	284	327912	18.903	ng	98
69) Atrazine	16.621	200	266068	19.303	ng	98
70) Pentachlorophenol	16.821	266	175794	18.004	ng	99
71) Phenanthrene	17.198	178	1348190	19.208	ng	100
72) Anthracene	17.292	178	1364462	19.210	ng	100
73) Carbazole	17.568	167	1194316	19.377	ng	99
74) Di-n-butylphthalate	18.121	149	1432688	19.519	ng	99
75) Fluoranthene	19.221	202	1555160	18.872	ng	99
77) Benzidine	19.409	184	777502	18.175	ng	99
78) Pyrene	19.580	202	1603874	18.964	ng	100
80) Butylbenzylphthalate	20.474	149	620751	19.597	ng	94
81) Benzo(a)anthracene	21.380	228	1591290	19.187	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	582038	18.333	ng	99
83) Chrysene	21.445	228	1461777	19.044	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	933505	19.730	ng	98
85) Di-n-octyl phthalate	22.427	149	1525599	19.552	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	1671967	18.840	ng	99
88) Benzo(b)fluoranthene	23.450	252	1439776	18.588	ng	99
89) Benzo(k)fluoranthene	23.515	252	1489410	19.005	ng	100
90) Benzo(a)pyrene	24.262	252	1365706	18.825	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	1360269	18.803	ng	99
92) Benzo(g,h,i)perylene	28.850	276	1316513	19.008	ng	99

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

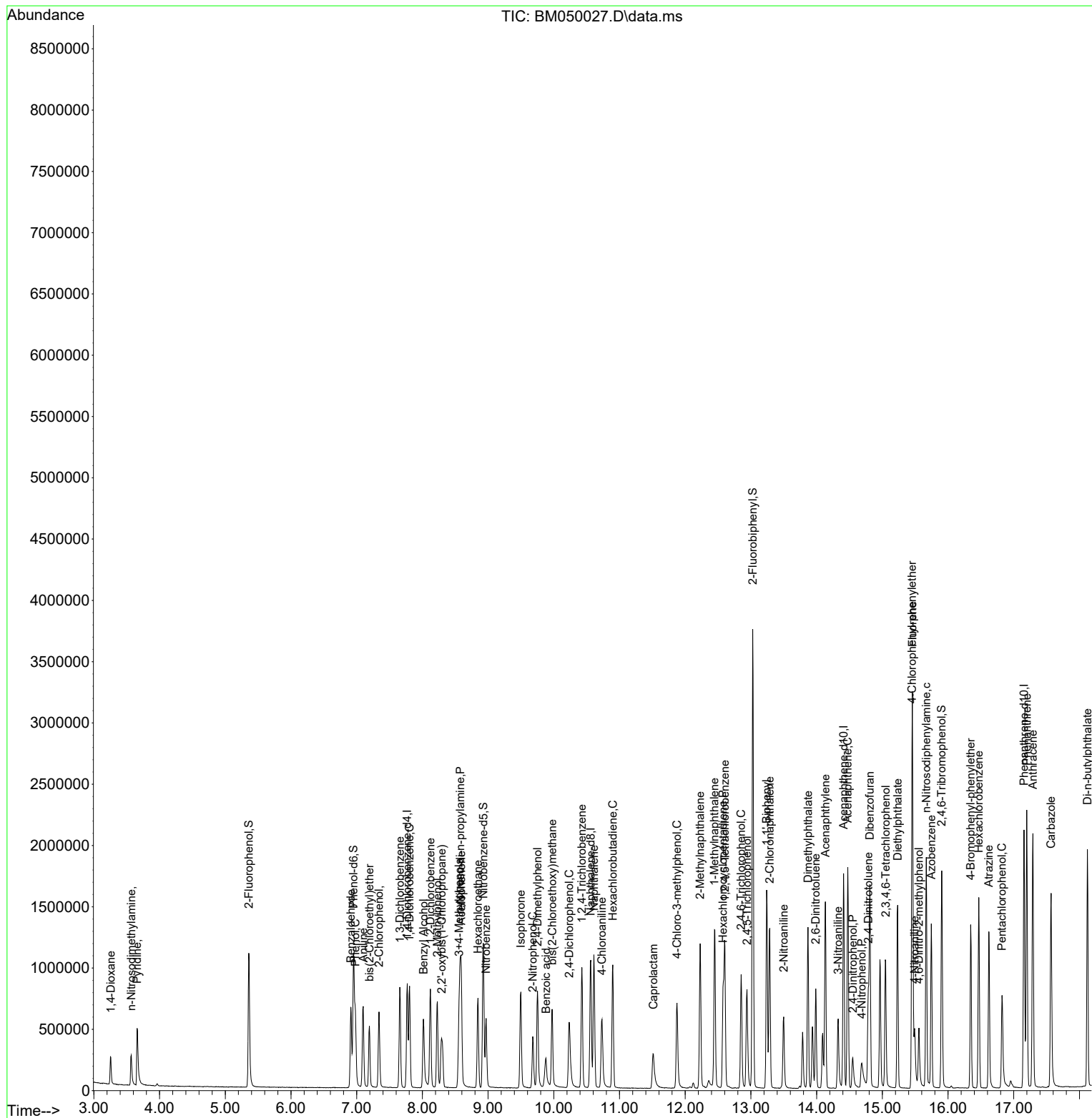
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Acq On    : 28 Apr 2025  14:27  
Operator  : RC/JU  
Sample    : SSTDICC020  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



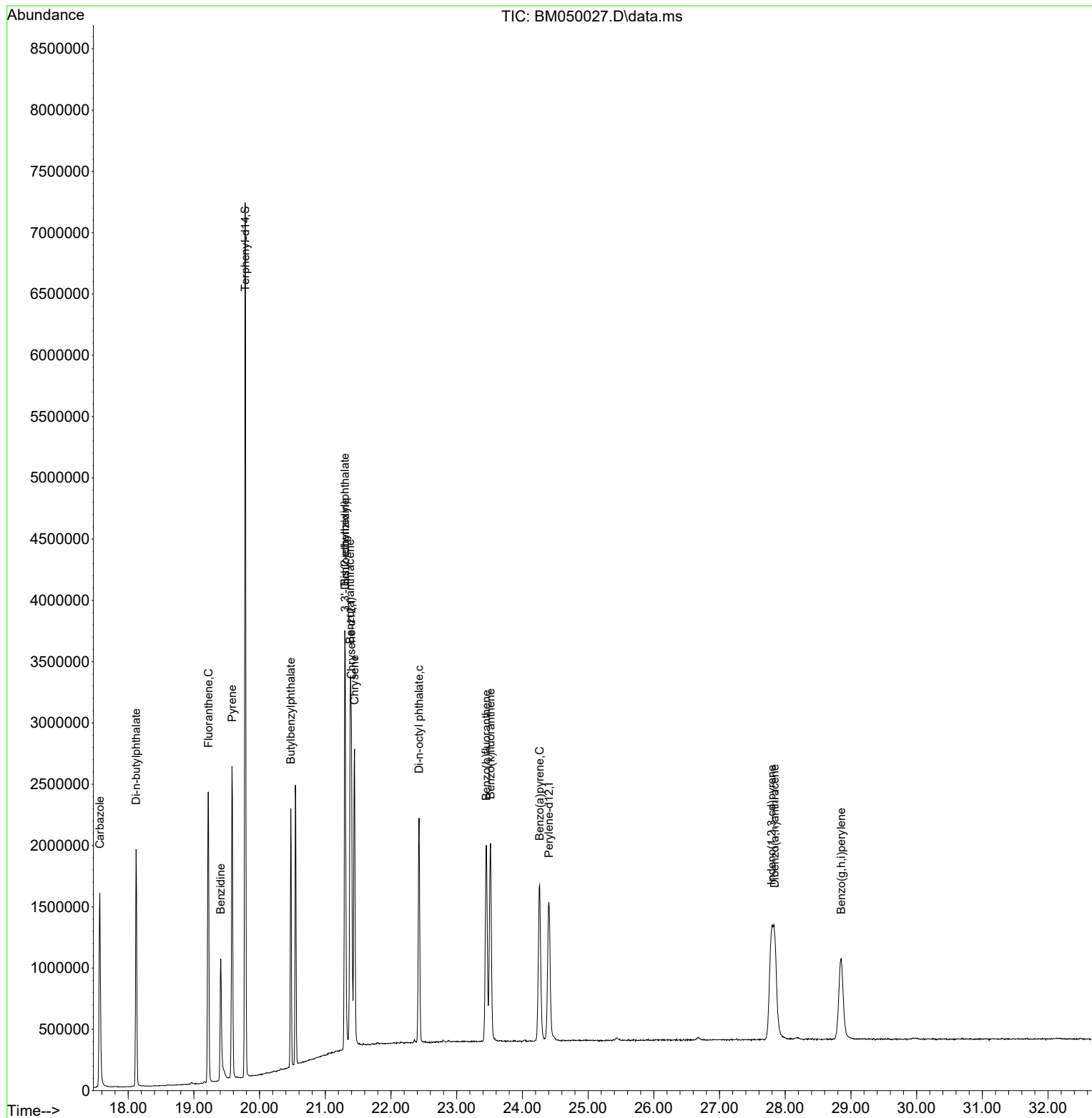
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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050028.D
 Acq On : 28 Apr 2025 15:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241109	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	890488	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	591599	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1163791	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1114654	20.000	ng	0.00
86) Perylene-d12	24.403	264	1072526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1165032	84.611	ng	0.00
7) Phenol-d6	6.951	99	1487856	85.973	ng	0.00
23) Nitrobenzene-d5	8.928	82	1547270	85.620	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	751927	85.958	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4275240	85.489	ng	0.00
79) Terphenyl-d14	19.780	244	6797031	90.233	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	246624	41.774	ng	100
3) Pyridine	3.657	79	641890	42.316	ng	100
4) n-Nitrosodimethylamine	3.563	42	251749	42.316	ng	100
6) Aniline	7.098	93	936673	42.862	ng	100
8) 2-Chlorophenol	7.340	128	632836	42.508	ng	100
9) Benzaldehyde	6.910	77	497166	42.981	ng	100
10) Phenol	6.981	94	742305	42.370	ng	100
11) bis(2-Chloroethyl)ether	7.193	93	616851	42.166	ng	100
12) 1,3-Dichlorobenzene	7.657	146	754937	41.979	ng	100
13) 1,4-Dichlorobenzene	7.804	146	752959	41.677	ng	100
14) 1,2-Dichlorobenzene	8.122	146	733848	42.050	ng	100
15) Benzyl Alcohol	8.016	79	521025	43.413	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.292	45	748400	42.085	ng	100
17) 2-Methylphenol	8.222	107	498005	43.149	ng	100
18) Hexachloroethane	8.845	117	268328	41.780	ng	100
19) n-Nitroso-di-n-propyla...	8.575	70	483699	43.579	ng	100
20) 3+4-Methylphenols	8.557	107	671942	43.111	ng	100
22) Acetophenone	8.592	105	946106	42.735	ng	100
24) Nitrobenzene	8.969	77	666034	42.625	ng	100
25) Isophorone	9.498	82	1298577	42.156	ng	100
26) 2-Nitrophenol	9.681	139	349855	43.827	ng	100
27) 2,4-Dimethylphenol	9.751	122	576549	43.552	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	809528	42.518	ng	100
29) 2,4-Dichlorophenol	10.228	162	644546	43.461	ng	100
30) 1,2,4-Trichlorobenzene	10.428	180	759987	42.060	ng	100
31) Naphthalene	10.610	128	1898588	42.100	ng	100
32) Benzoic acid	9.910	122	351345	41.613	ng	100
33) 4-Chloroaniline	10.728	127	784625	42.448	ng	100
34) Hexachlorobutadiene	10.898	225	481510	41.981	ng	100
35) Caprolactam	11.522	113	185984	43.010	ng	100
36) 4-Chloro-3-methylphenol	11.869	107	579492	42.293	ng	100
37) 2-Methylnaphthalene	12.227	142	1269061	41.973	ng	100
38) 1-Methylnaphthalene	12.445	142	1341577	41.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	878448	42.894	ng	100
41) Hexachlorocyclopentadiene	12.580	237	538788	43.050	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	563324	43.368	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050028.D
 Acq On : 28 Apr 2025 15:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

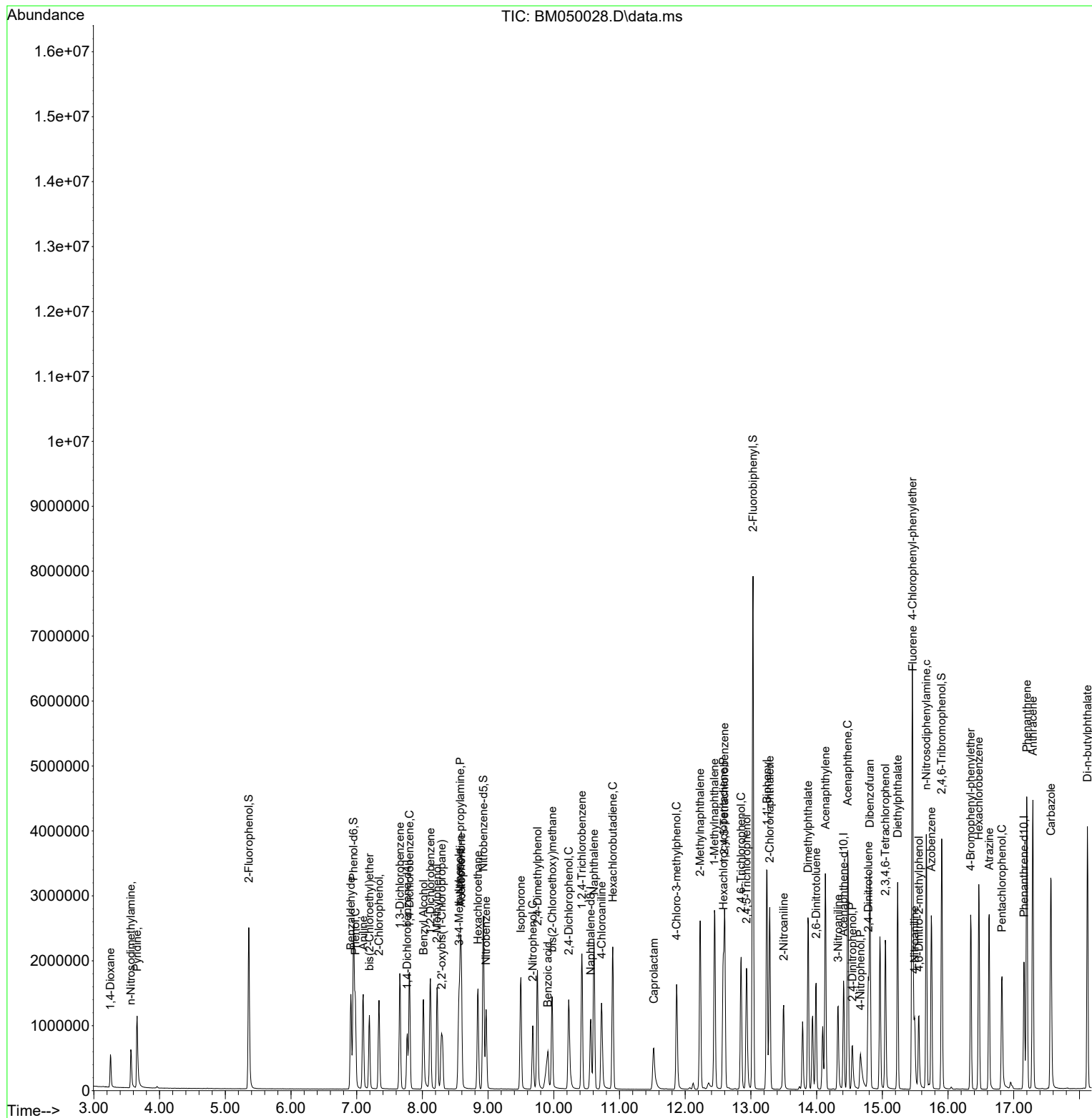
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	612194	43.706	ng	100
46) 1,1'-Biphenyl	13.245	154	1860581	42.309	ng	100
47) 2-Chloronaphthalene	13.286	162	1479560	42.480	ng	100
48) 2-Nitroaniline	13.498	65	357098	43.684	ng	100
49) Acenaphthylene	14.133	152	2332675	42.478	ng	100
50) Dimethylphthalate	13.869	163	1812335	41.918	ng	100
51) 2,6-Dinitrotoluene	13.992	165	386623	43.191	ng	100
52) Acenaphthene	14.474	154	1340946	42.186	ng	100
53) 3-Nitroaniline	14.327	138	379359	44.389	ng	100
54) 2,4-Dinitrophenol	14.545	184	210115	39.788	ng	100
55) Dibenzofuran	14.810	168	2219206	41.961	ng	100
56) 4-Nitrophenol	14.669	139	264964	40.483	ng	100
57) 2,4-Dinitrotoluene	14.786	165	539867	43.646	ng	100
58) Fluorene	15.463	166	1843261	42.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	514644	42.446	ng	100
60) Diethylphthalate	15.233	149	1696013	41.631	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	1014134	42.652	ng	100
62) 4-Nitroaniline	15.492	138	370884	44.949	ng	100
63) Azobenzene	15.745	77	1439085	42.150	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	315113	43.256	ng	100
66) n-Nitrosodiphenylamine	15.668	169	1525193	42.678	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	600373	42.660	ng	100
68) Hexachlorobenzene	16.468	284	683325	42.122	ng	100
69) Atrazine	16.627	200	550018	42.668	ng	100
70) Pentachlorophenol	16.821	266	387613	42.448	ng	100
71) Phenanthrene	17.198	178	2762249	42.082	ng	100
72) Anthracene	17.292	178	2824805	42.525	ng	100
73) Carbazole	17.568	167	2452474	42.547	ng	100
74) Di-n-butylphthalate	18.121	149	2899479	42.239	ng	100
75) Fluoranthene	19.215	202	3282789	42.598	ng	100
77) Benzidine	19.404	184	1720168	43.446	ng	100
78) Pyrene	19.580	202	3383053	43.220	ng	100
80) Butylbenzylphthalate	20.480	149	1251950	42.704	ng	100
81) Benzo(a)anthracene	21.380	228	3295625	42.935	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1292611	43.991	ng	100
83) Chrysene	21.445	228	2992790	42.127	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1878368	42.895	ng	100
85) Di-n-octyl phthalate	22.427	149	3044578	42.160	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	3435665	42.991	ng	100
88) Benzo(b)fluoranthene	23.450	252	3016197	43.243	ng	100
89) Benzo(k)fluoranthene	23.515	252	2974903	42.155	ng	100
90) Benzo(a)pyrene	24.262	252	2777683	42.519	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	2787948	42.796	ng	100
92) Benzo(g,h,i)perylene	28.850	276	2651145	42.508	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050028.D
 Acq On : 28 Apr 2025 15:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

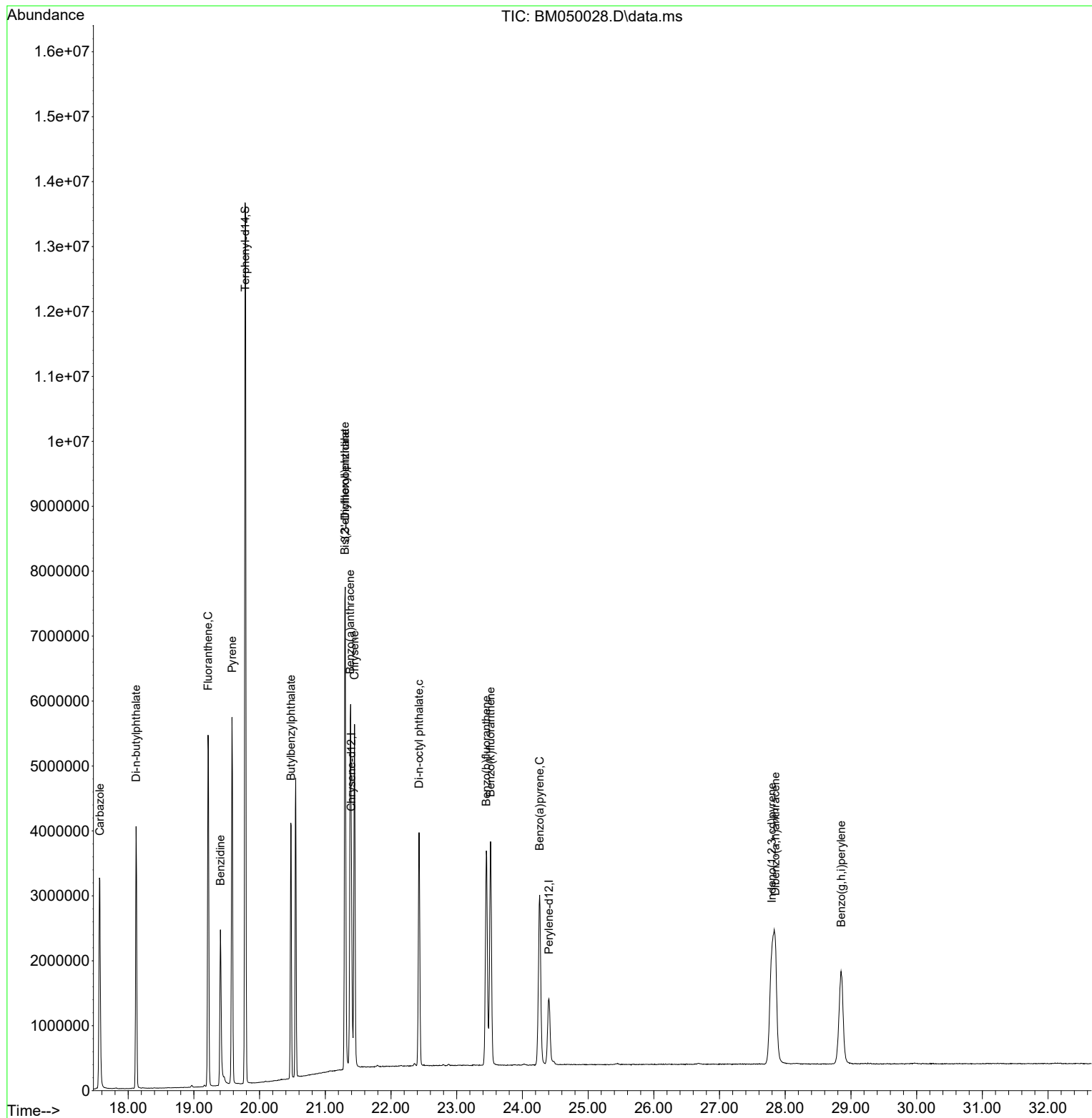
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050029.D
 Acq On : 28 Apr 2025 15:45
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 28 17:57:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	228207	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	837552	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	554448	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1105769	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1097646	20.000	ng	0.00
86) Perylene-d12	24.397	264	1061511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1382138	106.054	ng	0.00
7) Phenol-d6	6.951	99	1754123	107.089	ng	0.00
23) Nitrobenzene-d5	8.928	82	1811208	106.560	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	911669	111.203	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5051261	107.775	ng	0.00
79) Terphenyl-d14	19.780	244	8457811	114.020	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.251	88	287618	51.472	ng	100
3) Pyridine	3.657	79	757569	52.766	ng	99
4) n-Nitrosodimethylamine	3.563	42	295491	52.476	ng	100
6) Aniline	7.098	93	1096746	53.024	ng	99
8) 2-Chlorophenol	7.339	128	742074	52.664	ng	100
9) Benzaldehyde	6.910	77	577740	52.770	ng	99
10) Phenol	6.981	94	877155	52.897	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	725268	52.379	ng	99
12) 1,3-Dichlorobenzene	7.657	146	885183	52.004	ng	100
13) 1,4-Dichlorobenzene	7.804	146	888114	51.937	ng	100
14) 1,2-Dichlorobenzene	8.122	146	859475	52.033	ng	99
15) Benzyl Alcohol	8.016	79	612811	53.947	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	863443	51.300	ng	99
17) 2-Methylphenol	8.228	107	585120	53.563	ng	99
18) Hexachloroethane	8.845	117	312710	51.444	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	563847	53.672	ng	100
20) 3+4-Methylphenols	8.551	107	794422	53.851	ng	98
22) Acetophenone	8.592	105	1100024	52.827	ng	99
24) Nitrobenzene	8.969	77	779215	53.020	ng	99
25) Isophorone	9.498	82	1526436	52.685	ng	100
26) 2-Nitrophenol	9.680	139	415316	55.315	ng	99
27) 2,4-Dimethylphenol	9.751	122	674547	54.175	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	946285	52.843	ng	100
29) 2,4-Dichlorophenol	10.227	162	751117	53.847	ng	99
30) 1,2,4-Trichlorobenzene	10.427	180	891501	52.457	ng	98
31) Naphthalene	10.610	128	2214025	52.198	ng	100
32) Benzoic acid	9.922	122	431557	54.343	ng	98
33) 4-Chloroaniline	10.727	127	937309	53.913	ng	99
34) Hexachlorobutadiene	10.898	225	566049	52.471	ng	99
35) Caprolactam	11.522	113	218572	53.741	ng	92
36) 4-Chloro-3-methylphenol	11.869	107	688099	53.394	ng	98
37) 2-Methylnaphthalene	12.227	142	1494348	52.548	ng	99
38) 1-Methylnaphthalene	12.445	142	1572248	52.243	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1033027	53.822	ng	99
41) Hexachlorocyclopentadiene	12.580	237	649060	55.336	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	672901	55.275	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050029.D
 Acq On : 28 Apr 2025 15:45
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 28 17:57:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

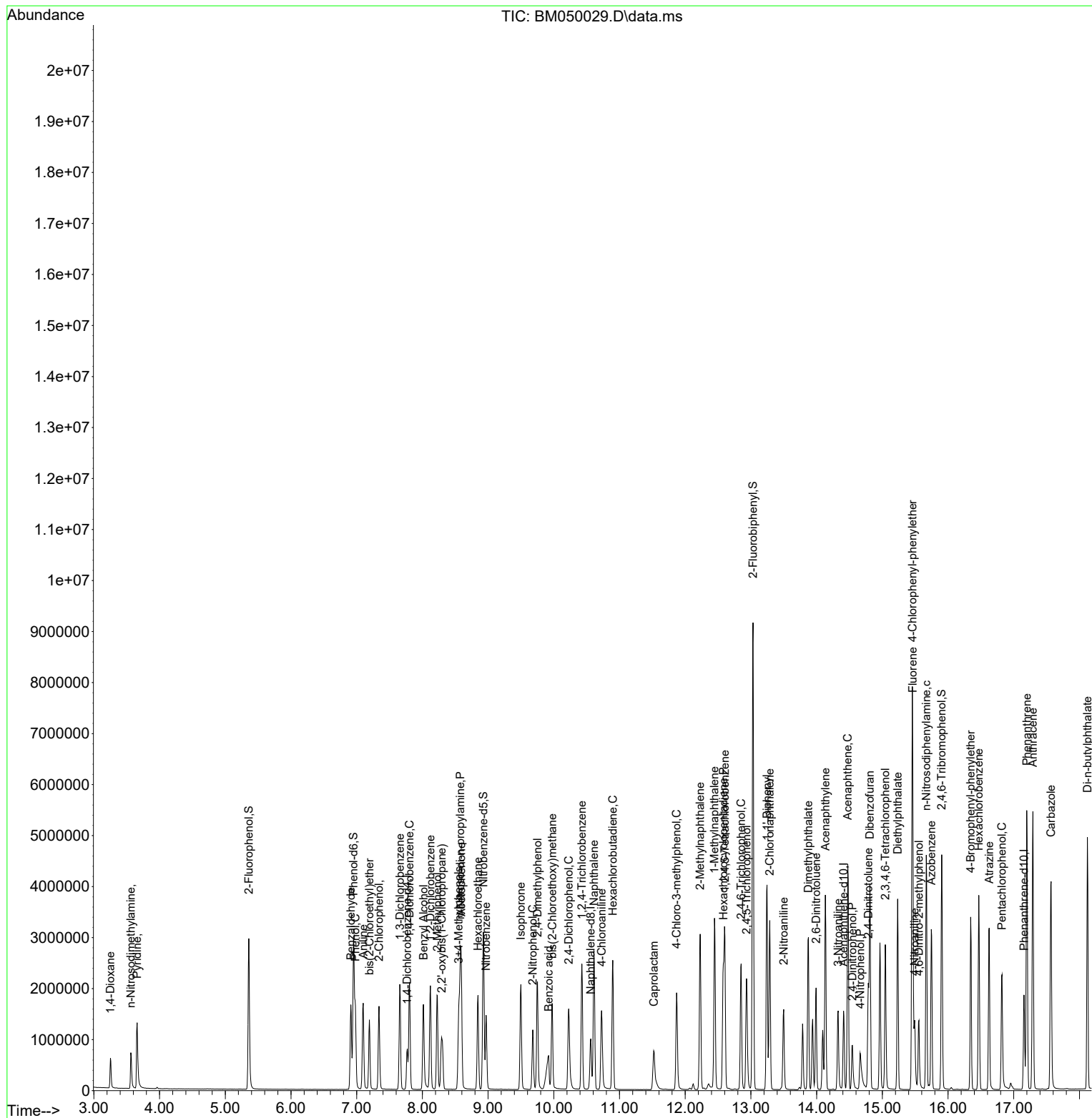
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	719930	54.841	ng	100
46) 1,1'-Biphenyl	13.245	154	2191996	53.185	ng	100
47) 2-Chloronaphthalene	13.286	162	1729678	52.989	ng	100
48) 2-Nitroaniline	13.498	65	421489	55.016	ng	99
49) Acenaphthylene	14.133	152	2731966	53.082	ng	100
50) Dimethylphthalate	13.874	163	2138242	52.770	ng	100
51) 2,6-Dinitrotoluene	13.992	165	458476	54.650	ng	99
52) Acenaphthene	14.474	154	1587472	53.287	ng	99
53) 3-Nitroaniline	14.327	138	450021	56.186	ng	96
54) 2,4-Dinitrophenol	14.545	184	269515	52.338	ng	99
55) Dibenzofuran	14.810	168	2617489	52.809	ng	100
56) 4-Nitrophenol	14.663	139	328078	52.029	ng	100
57) 2,4-Dinitrotoluene	14.786	165	648262	55.921	ng	99
58) Fluorene	15.462	166	2180247	53.740	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	617151	54.311	ng	99
60) Diethylphthalate	15.233	149	2011763	52.691	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1207514	54.188	ng	99
62) 4-Nitroaniline	15.492	138	445520	57.612	ng	99
63) Azobenzene	15.745	77	1703932	53.251	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	393191	56.806	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1815723	53.474	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	713498	53.359	ng	98
68) Hexachlorobenzene	16.468	284	815392	52.900	ng	98
69) Atrazine	16.627	200	669330	54.648	ng	99
70) Pentachlorophenol	16.821	266	475717	54.830	ng	99
71) Phenanthrene	17.198	178	3349195	53.702	ng	100
72) Anthracene	17.292	178	3417239	54.143	ng	100
73) Carbazole	17.568	167	2971695	54.260	ng	99
74) Di-n-butylphthalate	18.121	149	3530893	54.137	ng	100
75) Fluoranthene	19.215	202	4021516	54.922	ng	100
77) Benzidine	19.403	184	2110748	54.137	ng	100
78) Pyrene	19.580	202	4169831	54.097	ng	100
80) Butylbenzylphthalate	20.474	149	1557463	53.948	ng	96
81) Benzo(a)anthracene	21.380	228	4058011	53.687	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1639448	56.659	ng	99
83) Chrysene	21.444	228	3755543	53.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2336926	54.194	ng	98
85) Di-n-octyl phthalate	22.427	149	3852190	54.170	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4369253	55.240	ng	99
88) Benzo(b)fluoranthene	23.450	252	3755728	54.405	ng	99
89) Benzo(k)fluoranthene	23.515	252	3844095	55.037	ng	99
90) Benzo(a)pyrene	24.262	252	3529489	54.588	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3575099	55.448	ng	99
92) Benzo(g,h,i)perylene	28.850	276	3363778	54.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

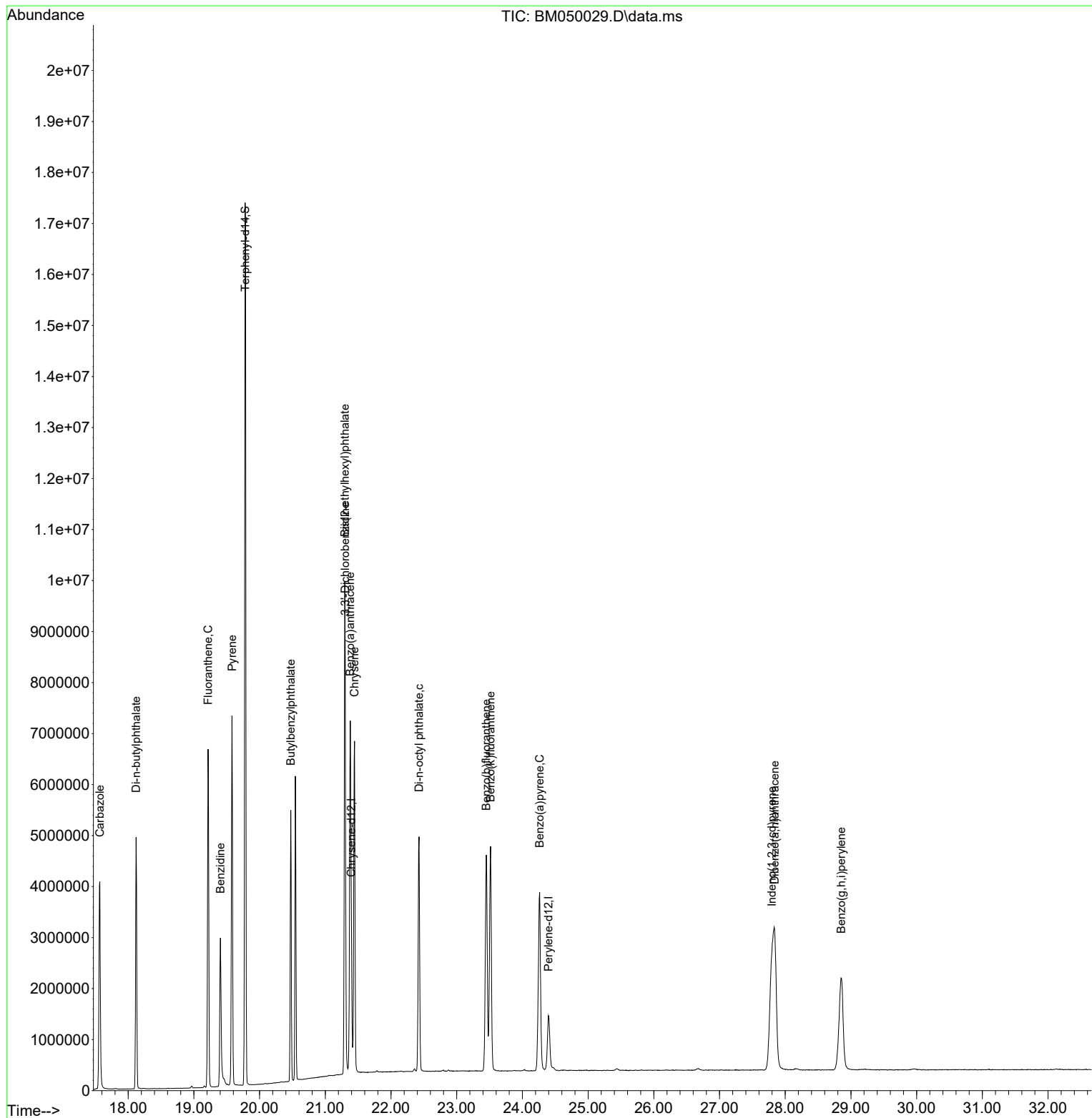
Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050030.D
 Acq On : 28 Apr 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	238160	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	873845	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	580977	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1144389	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1144881	20.000	ng	0.00
86) Perylene-d12	24.397	264	1099459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1676078	123.234	ng	0.00
7) Phenol-d6	6.951	99	2135178	124.905	ng	0.00
23) Nitrobenzene-d5	8.928	82	2186546	123.300	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1107899	128.968	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	6079094	123.782	ng	0.00
79) Terphenyl-d14	19.780	244	10017186	129.471	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	350690	60.136	ng	99
3) Pyridine	3.658	79	923444	61.631	ng	99
4) n-Nitrosodimethylamine	3.563	42	360090	61.276	ng	98
6) Aniline	7.098	93	1339587	62.058	ng	100
8) 2-Chlorophenol	7.340	128	905849	61.600	ng	99
9) Benzaldehyde	6.910	77	683177	59.793	ng	99
10) Phenol	6.981	94	1072175	61.956	ng	99
11) bis(2-Chloroethyl)ether	7.193	93	880705	60.947	ng	100
12) 1,3-Dichlorobenzene	7.657	146	1077725	60.670	ng	99
13) 1,4-Dichlorobenzene	7.804	146	1083367	60.707	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1046214	60.691	ng	98
15) Benzyl Alcohol	8.016	79	750490	63.306	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1052561	59.922	ng	100
17) 2-Methylphenol	8.228	107	705836	61.914	ng	99
18) Hexachloroethane	8.845	117	380742	60.018	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	678107	61.851	ng	100
20) 3+4-Methylphenols	8.551	107	964063	62.619	ng	97
22) Acetophenone	8.592	105	1325893	61.030	ng	# 99
24) Nitrobenzene	8.969	77	938300	61.193	ng	99
25) Isophorone	9.498	82	1845274	61.044	ng	99
26) 2-Nitrophenol	9.681	139	504441	64.395	ng	99
27) 2,4-Dimethylphenol	9.751	122	816717	62.869	ng	98
28) bis(2-Chloroethoxy)met...	9.975	93	1138921	60.958	ng	100
29) 2,4-Dichlorophenol	10.228	162	920741	63.266	ng	98
30) 1,2,4-Trichlorobenzene	10.428	180	1079970	60.907	ng	100
31) Naphthalene	10.610	128	2682942	60.626	ng	100
32) Benzoic acid	9.928	122	556598	67.178	ng	98
33) 4-Chloroaniline	10.728	127	1146085	63.184	ng	99
34) Hexachlorobutadiene	10.898	225	689159	61.230	ng	99
35) Caprolactam	11.528	113	266678	62.845	ng	98
36) 4-Chloro-3-methylphenol	11.869	107	832050	61.882	ng	100
37) 2-Methylnaphthalene	12.228	142	1815345	61.185	ng	99
38) 1-Methylnaphthalene	12.445	142	1916000	61.021	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	1264090	62.853	ng	100
41) Hexachlorocyclopentadiene	12.580	237	814238	66.248	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	814256	63.832	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050030.D
 Acq On : 28 Apr 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

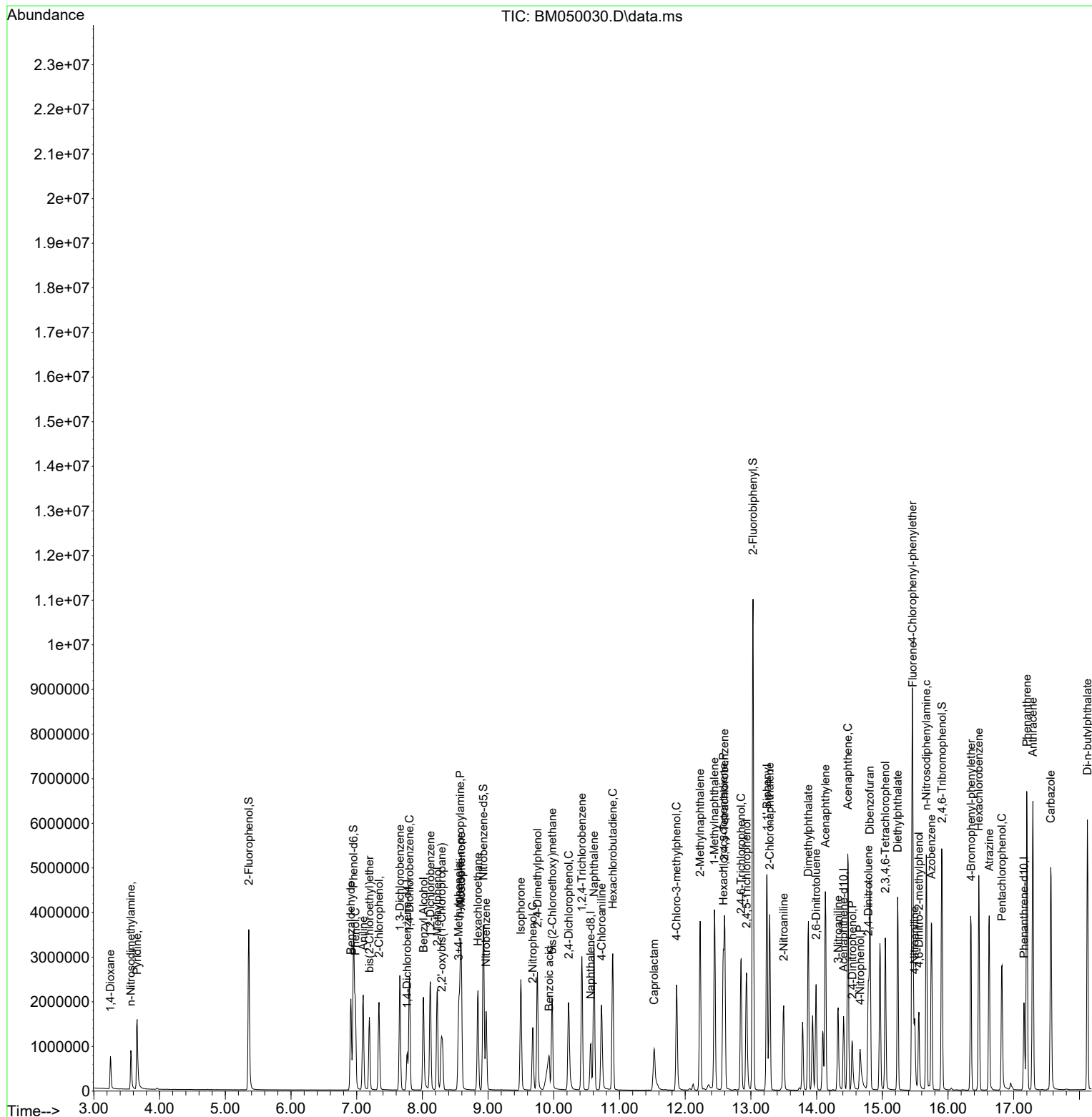
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	872921	63.459	ng	99
46) 1,1'-Biphenyl	13.245	154	2626494	60.817	ng	99
47) 2-Chloronaphthalene	13.286	162	2078242	60.760	ng	100
48) 2-Nitroaniline	13.498	65	512544	63.847	ng	99
49) Acenaphthylene	14.133	152	3292902	61.060	ng	100
50) Dimethylphthalate	13.874	163	2562233	60.347	ng	100
51) 2,6-Dinitrotoluene	13.992	165	551466	62.732	ng	99
52) Acenaphthene	14.474	154	1906973	61.089	ng	100
53) 3-Nitroaniline	14.327	138	541960	64.574	ng	99
54) 2,4-Dinitrophenol	14.545	184	327924	59.847	ng	97
55) Dibenzofuran	14.810	168	3154566	60.738	ng	100
56) 4-Nitrophenol	14.663	139	402106	60.088	ng	99
57) 2,4-Dinitrotoluene	14.786	165	779604	64.180	ng	98
58) Fluorene	15.463	166	2614340	61.497	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	752680	63.213	ng	98
60) Diethylphthalate	15.233	149	2397624	59.930	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1457099	62.403	ng	98
62) 4-Nitroaniline	15.492	138	524887	64.776	ng	98
63) Azobenzene	15.745	77	2030208	60.550	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	473987	66.167	ng	98
66) n-Nitrosodiphenylamine	15.668	169	2158446	61.422	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	878886	63.509	ng	95
68) Hexachlorobenzene	16.468	284	1000366	62.711	ng	97
69) Atrazine	16.627	200	802538	63.312	ng	99
70) Pentachlorophenol	16.821	266	584874	65.136	ng	99
71) Phenanthrene	17.198	178	4028280	62.410	ng	99
72) Anthracene	17.292	178	4088295	62.590	ng	100
73) Carbazole	17.562	167	3562573	62.854	ng	100
74) Di-n-butylphthalate	18.121	149	4225922	62.607	ng	100
75) Fluoranthene	19.215	202	4891273	64.546	ng	100
77) Benzidine	19.404	184	2626747	64.592	ng	100
78) Pyrene	19.580	202	5030035	62.565	ng	100
80) Butylbenzylphthalate	20.474	149	1873444	62.216	ng	96
81) Benzo(a)anthracene	21.380	228	4954357	62.841	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	2003019	66.368	ng	99
83) Chrysene	21.445	228	4549388	62.348	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2797195	62.192	ng	# 97
85) Di-n-octyl phthalate	22.427	149	4605837	62.095	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	5248662	64.068	ng	99
88) Benzo(b)fluoranthene	23.456	252	4643026	64.936	ng	99
89) Benzo(k)fluoranthene	23.515	252	4561134	63.050	ng	100
90) Benzo(a)pyrene	24.262	252	4281665	63.936	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	4305928	64.478	ng	99
92) Benzo(g,h,i)perylene	28.850	276	4036958	63.142	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050030.D
 Acq On : 28 Apr 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

TIC: BM050030.D\data.ms

Peak Label	Approximate Retention Time (min)	Approximate Abundance
Carbazole	17.5	500,000
Di-n-butylphthalate	18.2	600,000
Fluoranthene, C	19.2	800,000
Pyrene	19.5	850,000
Terphenyl-d4, S	19.8	1.8e+07
Butylbenzylphthalate	20.5	700,000
Chrysene-d12	21.2	450,000
Chrysene	21.3	850,000
Benzo(a)anthracene	21.4	1.1e+07
Benzo(a)fluoranthene	21.5	1.2e+07
Di-n-octyl phthalate, c	22.5	550,000
Benzo(b)fluoranthene	23.5	550,000
Benzo(a)pyrene, C	24.5	450,000
Perylene-d12, I	24.8	150,000
Indeno(1,2,3-cd)pyrene	27.8	350,000
Benzo(g,h,i)perylene	28.8	250,000

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050031.D
 Acq On : 28 Apr 2025 17:04
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 28 17:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	251380	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	931435	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	613490	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1212251	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1197780	20.000	ng	0.00
86) Perylene-d12	24.397	264	1141905	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2297313	160.027	ng	0.00
7) Phenol-d6	6.957	99	2954036	163.719	ng	0.00
23) Nitrobenzene-d5	8.933	82	2984192	157.875	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1586083	174.847	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	8283812	159.736	ng	0.00
79) Terphenyl-d14	19.780	244	11877110	146.730	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.251	88	475912	77.317	ng	99
3) Pyridine	3.657	79	1267903	80.171	ng	99
4) n-Nitrosodimethylamine	3.563	42	492501	79.400	ng	99
6) Aniline	7.098	93	1845033	80.979	ng	99
8) 2-Chlorophenol	7.339	128	1241711	79.998	ng	100
9) Benzaldehyde	6.910	77	898993	74.544	ng	99
10) Phenol	6.981	94	1491194	81.638	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	1224517	80.283	ng	99
12) 1,3-Dichlorobenzene	7.657	146	1460820	77.912	ng	100
13) 1,4-Dichlorobenzene	7.804	146	1465881	77.822	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1412270	77.618	ng	99
15) Benzyl Alcohol	8.016	79	1055328	84.339	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1440484	77.694	ng	100
17) 2-Methylphenol	8.228	107	980375	81.473	ng	99
18) Hexachloroethane	8.845	117	513126	76.632	ng	98
19) n-Nitroso-di-n-propyla...	8.581	70	933468	80.665	ng	99
20) 3+4-Methylphenols	8.557	107	1348190	82.965	ng	99
22) Acetophenone	8.592	105	1815657	78.406	ng	# 99
24) Nitrobenzene	8.975	77	1289068	78.871	ng	99
25) Isophorone	9.504	82	2559279	79.430	ng	100
26) 2-Nitrophenol	9.680	139	710174	85.053	ng	99
27) 2,4-Dimethylphenol	9.751	122	1136040	82.043	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	1581985	79.437	ng	99
29) 2,4-Dichlorophenol	10.222	162	1275806	82.243	ng	99
30) 1,2,4-Trichlorobenzene	10.427	180	1485344	78.590	ng	99
31) Naphthalene	10.610	128	3686066	78.143	ng	100
32) Benzoic acid	9.951	122	800660	90.660	ng	97
33) 4-Chloroaniline	10.727	127	1575909	81.508	ng	99
34) Hexachlorobutadiene	10.898	225	959905	80.012	ng	99
35) Caprolactam	11.539	113	371164	82.060	ng	98
36) 4-Chloro-3-methylphenol	11.869	107	1152624	80.424	ng	99
37) 2-Methylnaphthalene	12.227	142	2525532	79.858	ng	99
38) 1-Methylnaphthalene	12.451	142	2645483	79.045	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1799698	84.742	ng	99
41) Hexachlorocyclopentadiene	12.580	237	1185418	91.336	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	1151641	85.496	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050031.D
 Acq On : 28 Apr 2025 17:04
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 28 17:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

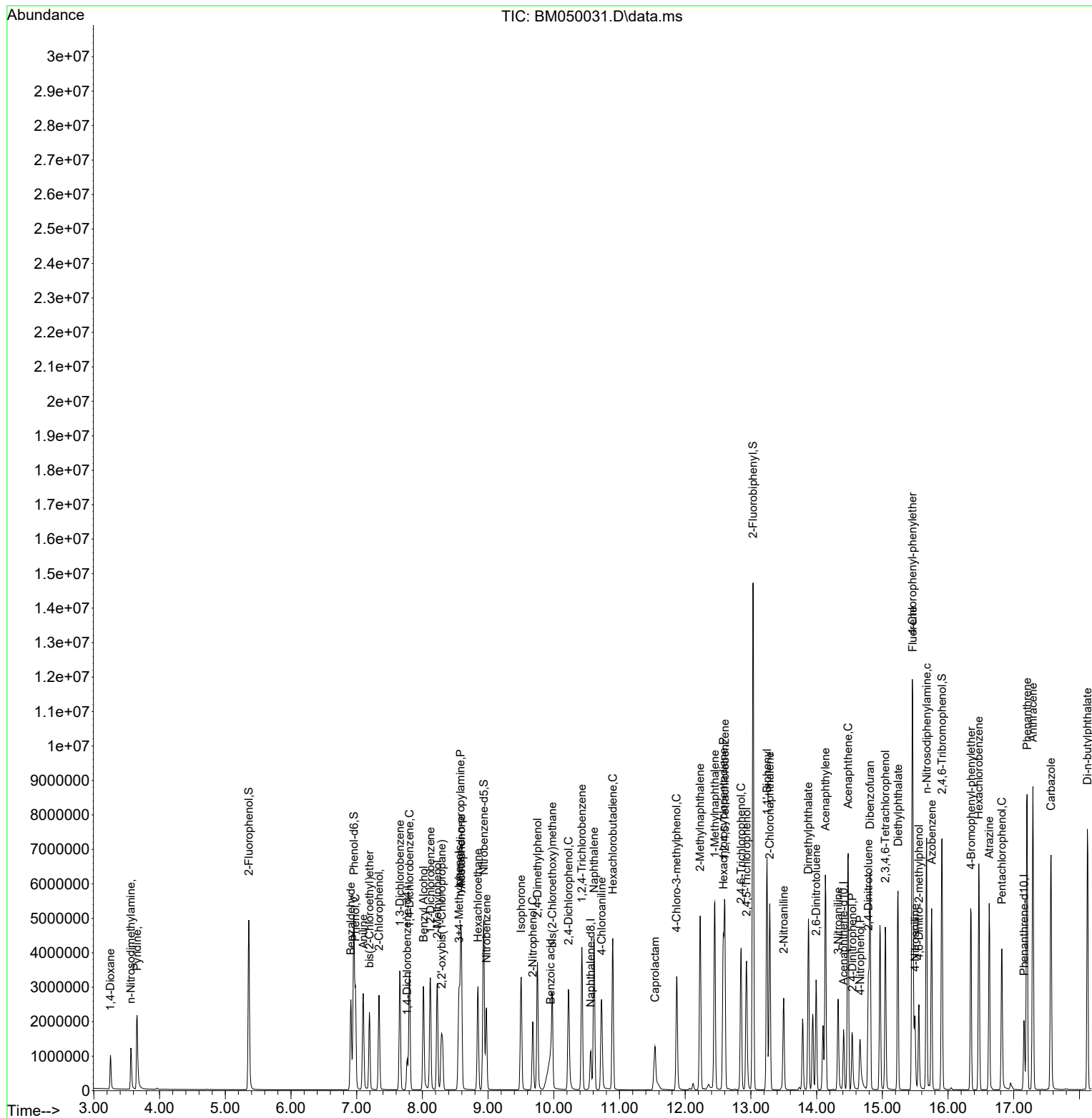
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	1220306	84.011	ng	98
46) 1,1'-Biphenyl	13.245	154	3613893	79.246	ng	99
47) 2-Chloronaphthalene	13.286	162	2842514	78.700	ng	99
48) 2-Nitroaniline	13.498	65	701256	82.725	ng	99
49) Acenaphthylene	14.133	152	4526874	79.492	ng	99
50) Dimethylphthalate	13.874	163	3507333	78.228	ng	99
51) 2,6-Dinitrotoluene	13.992	165	758296	81.689	ng	99
52) Acenaphthene	14.480	154	2618967	79.452	ng	100
53) 3-Nitroaniline	14.327	138	740202	83.521	ng	100
54) 2,4-Dinitrophenol	14.545	184	469472	79.096	ng	98
55) Dibenzofuran	14.815	168	4325783	78.875	ng	99
56) 4-Nitrophenol	14.662	139	566943	78.710	ng	99
57) 2,4-Dinitrotoluene	14.786	165	1080118	84.207	ng	96
58) Fluorene	15.462	166	3565506	79.426	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1057707	84.123	ng	96
60) Diethylphthalate	15.239	149	3257954	77.118	ng	97
61) 4-Chlorophenyl-phenyle...	15.457	204	2051105	83.186	ng	96
62) 4-Nitroaniline	15.498	138	724549	84.678	ng	99
63) Azobenzene	15.751	77	2723186	76.914	ng	95
65) 4,6-Dinitro-2-methylph...	15.557	198	665798	87.741	ng	96
66) n-Nitrosodiphenylamine	15.674	169	2957293	79.443	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	1225531	83.600	ng	94
68) Hexachlorobenzene	16.468	284	1412768	83.606	ng	95
69) Atrazine	16.627	200	1116818	83.174	ng	100
70) Pentachlorophenol	16.821	266	843195	88.648	ng	99
71) Phenanthrene	17.203	178	5487968	80.266	ng	99
72) Anthracene	17.292	178	5597195	80.893	ng	99
73) Carbazole	17.568	167	4845637	80.705	ng	99
74) Di-n-butylphthalate	18.121	149	5649166	79.007	ng	99
75) Fluoranthene	19.221	202	6841999	85.234	ng	99
77) Benzidine	19.403	184	3598340	84.575	ng	100
78) Pyrene	19.580	202	6959279	82.738	ng	99
80) Butylbenzylphthalate	20.474	149	2512705	79.760	ng	97
81) Benzo(a)anthracene	21.380	228	6747718	81.808	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	2782107	88.111	ng	99
83) Chrysene	21.444	228	6207632	81.316	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	3665836	77.905	ng	# 96
85) Di-n-octyl phthalate	22.427	149	6109632	78.732	ng	99
87) Indeno(1,2,3-cd)pyrene	27.803	276	7285836	85.629	ng	98
88) Benzo(b)fluoranthene	23.456	252	6347901	85.480	ng	99
89) Benzo(k)fluoranthene	23.521	252	6265924	83.396	ng	99
90) Benzo(a)pyrene	24.262	252	5925652	85.195	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	5981478	86.239	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5537637	83.395	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

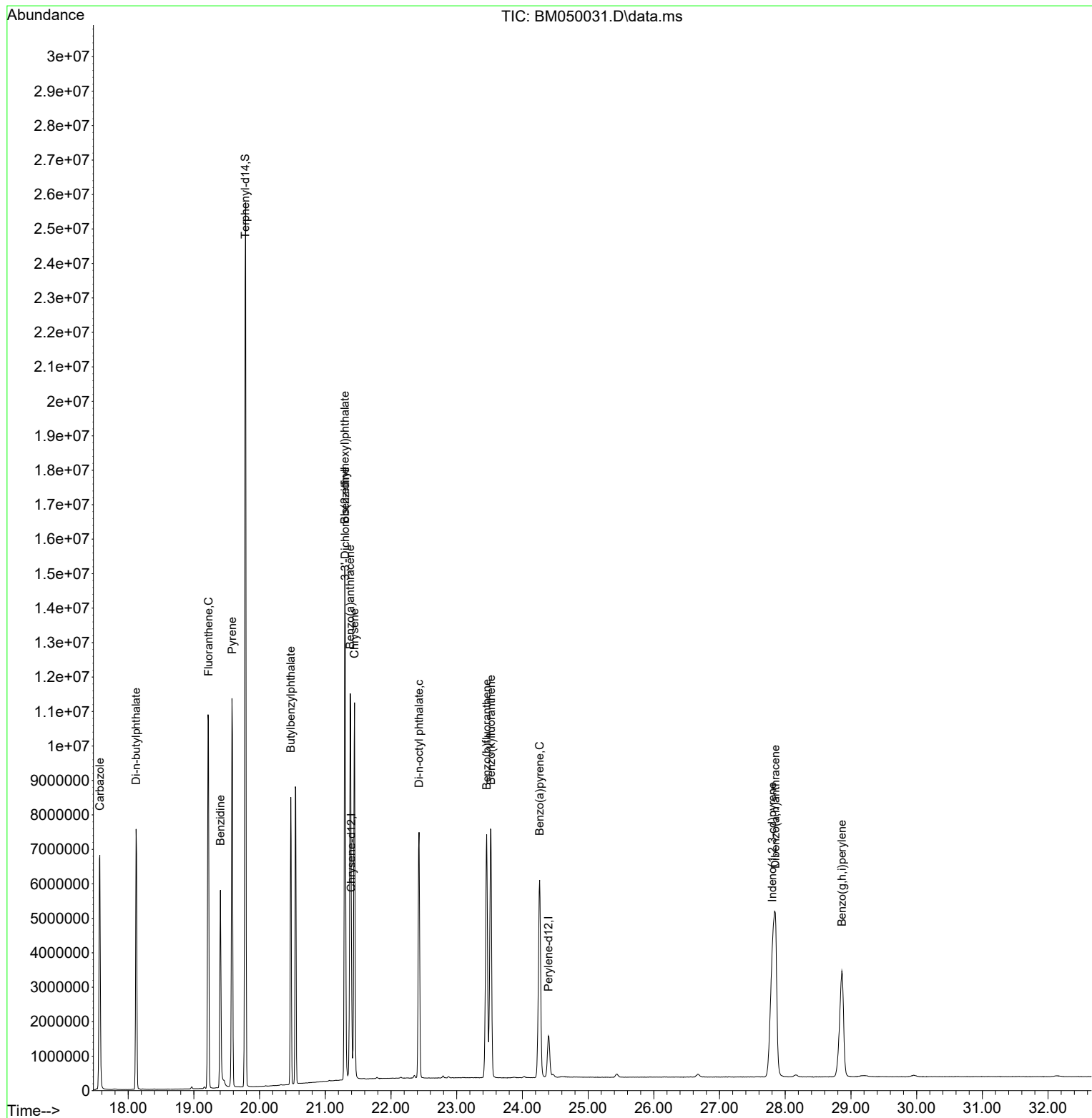
Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	230127	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	877692	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	605832	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1251563	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1285998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1266367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1155553	87.928	ng	0.00
7) Phenol-d6	6.951	99	1488919	90.140	ng	0.00
23) Nitrobenzene-d5	8.928	82	1385703	77.798	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	810732	90.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3905385	76.259	ng	0.00
79) Terphenyl-d14	19.780	244	6863055	78.970	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	253433	44.976	ng	99
3) Pyridine	3.657	79	673723	46.534	ng	98
4) n-Nitrosodimethylamine	3.569	42	260951	45.956	ng	99
6) Aniline	7.098	93	974989	46.744	ng	98
8) 2-Chlorophenol	7.339	128	649705	45.724	ng	99
9) Benzaldehyde	6.910	77	485673m	43.937	ng	
10) Phenol	6.981	94	784469	46.913	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	635601	45.521	ng	98
12) 1,3-Dichlorobenzene	7.657	146	766772	44.672	ng	99
13) 1,4-Dichlorobenzene	7.804	146	774954	44.941	ng	100
14) 1,2-Dichlorobenzene	8.122	146	752460	45.174	ng	100
15) Benzyl Alcohol	8.016	79	551757	48.167	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	762583	44.929	ng	99
17) 2-Methylphenol	8.222	107	519426	47.153	ng	99
18) Hexachloroethane	8.845	117	274239	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	507362	47.892	ng	99
20) 3+4-Methylphenols	8.551	107	713683	47.974	ng	97
22) Acetophenone	8.592	105	985275	45.153	ng	100
24) Nitrobenzene	8.969	77	694640	45.104	ng	99
25) Isophorone	9.498	82	1384372	45.596	ng	99
26) 2-Nitrophenol	9.681	139	370477	47.087	ng	99
27) 2,4-Dimethylphenol	9.751	122	605475	46.404	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	842968	44.920	ng	100
29) 2,4-Dichlorophenol	10.228	162	677885	46.375	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	789816	44.348	ng	100
31) Naphthalene	10.610	128	1984698	44.651	ng	100
32) Benzoic acid	9.916	122	384400	46.063	ng	98
33) 4-Chloroaniline	10.727	127	863111	47.375	ng	99
34) Hexachlorobutadiene	10.898	225	497792	44.034	ng	99
35) Caprolactam	11.522	113	198108	46.481	ng	95
36) 4-Chloro-3-methylphenol	11.869	107	632365	46.825	ng	100
37) 2-Methylnaphthalene	12.227	142	1352170	45.374	ng	100
38) 1-Methylnaphthalene	12.445	142	1425407	45.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	925725	44.140	ng	100
41) Hexachlorocyclopentadiene	12.574	237	568717	44.374	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	613142	46.094	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	663718	46.271	ng	99
46) 1,1'-Biphenyl	13.239	154	1990852	44.207	ng	99
47) 2-Chloronaphthalene	13.286	162	1593769	44.684	ng	100
48) 2-Nitroaniline	13.498	65	398645	47.621	ng	99
49) Acenaphthylene	14.133	152	2548342	45.315	ng	100
50) Dimethylphthalate	13.868	163	2007342	45.338	ng	100
51) 2,6-Dinitrotoluene	13.992	165	435925	47.554	ng	98
52) Acenaphthene	14.474	154	1471672	45.210	ng	100
53) 3-Nitroaniline	14.327	138	427464	48.843	ng	99
54) 2,4-Dinitrophenol	14.545	184	249307	45.189	ng	98
55) Dibenzofuran	14.810	168	2427830	44.828	ng	99
56) 4-Nitrophenol	14.663	139	313065	46.012	ng	99
57) 2,4-Dinitrotoluene	14.786	165	611943	48.311	ng	97
58) Fluorene	15.462	166	2044284	46.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	583198	46.970	ng	98
60) Diethylphthalate	15.233	149	1889827	45.299	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1118837	45.950	ng	99
62) 4-Nitroaniline	15.492	138	427339	50.610	ng	100
63) Azobenzene	15.745	77	1599489	45.747	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	367586	46.920	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1709666	44.485	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	665088	43.944	ng	97
68) Hexachlorobenzene	16.468	284	770651	44.174	ng	98
69) Atrazine	16.627	200	616670	44.483	ng	99
70) Pentachlorophenol	16.821	266	452303	46.059	ng	99
71) Phenanthrene	17.198	178	3169143	44.895	ng	99
72) Anthracene	17.292	178	3241829	45.381	ng	100
73) Carbazole	17.562	167	2851516	46.001	ng	100
74) Di-n-butylphthalate	18.121	149	3370238	45.654	ng	100
75) Fluoranthene	19.215	202	3895046	46.998	ng	100
77) Benzidine	19.403	184	2019202	44.204	ng	100
78) Pyrene	19.580	202	3992384	44.209	ng	100
80) Butylbenzylphthalate	20.474	149	1512498	44.718	ng	96
81) Benzo(a)anthracene	21.380	228	4029064	45.497	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1487254	43.871	ng	98
83) Chrysene	21.439	228	3685603	44.967	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2284769	45.224	ng	99
85) Di-n-octyl phthalate	22.427	149	3747091	44.974	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	4364032	46.249	ng	99
88) Benzo(b)fluoranthene	23.450	252	3711451	45.066	ng	100
89) Benzo(k)fluoranthene	23.515	252	3813739	45.780	ng	100
90) Benzo(a)pyrene	24.262	252	3515582	45.577	ng	100
91) Dibenzo(a,h)anthracene	27.838	278	3545295	46.091	ng	100
92) Benzo(g,h,i)perylene	28.850	276	3345997	45.437	ng	100

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

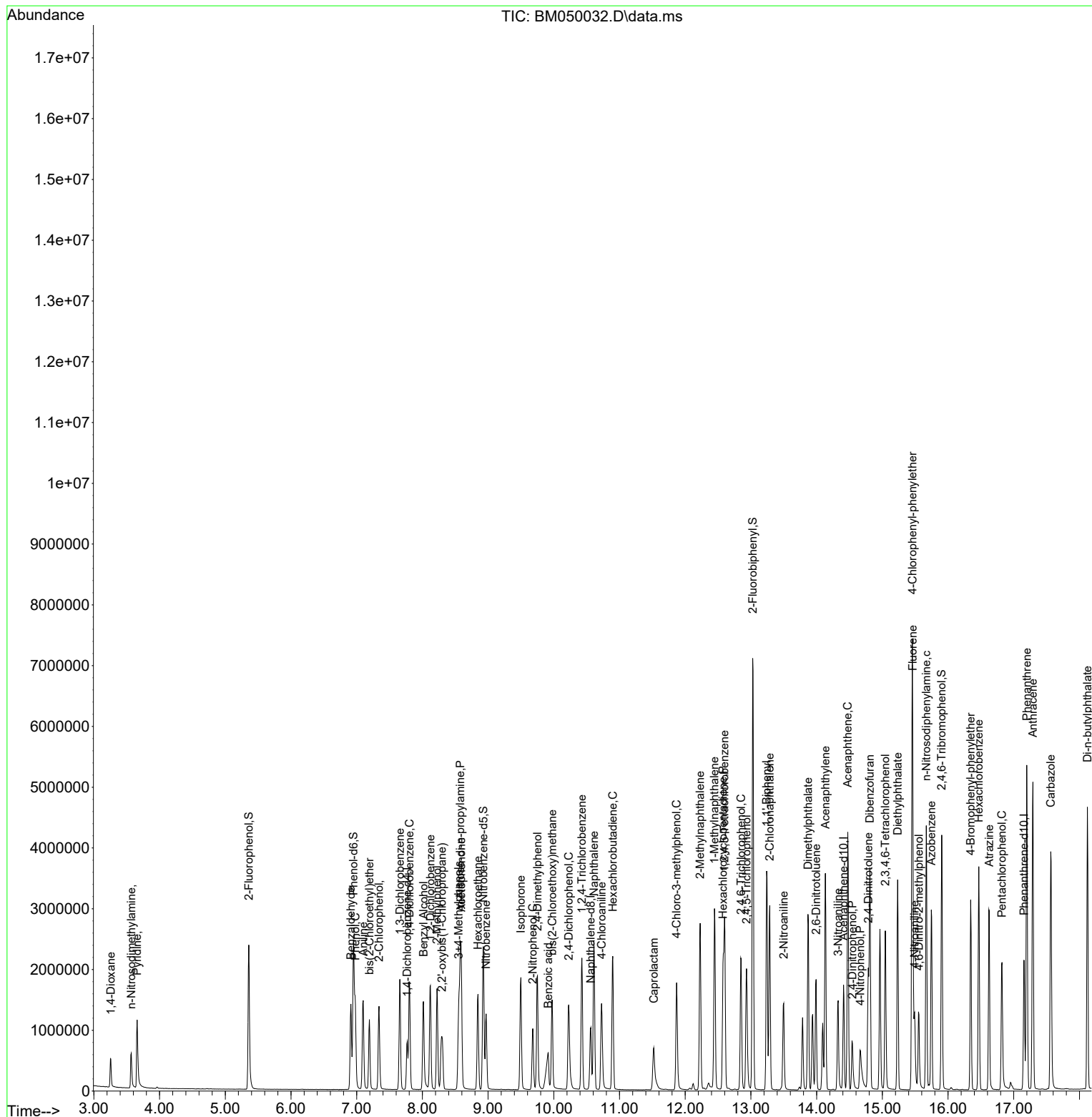
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



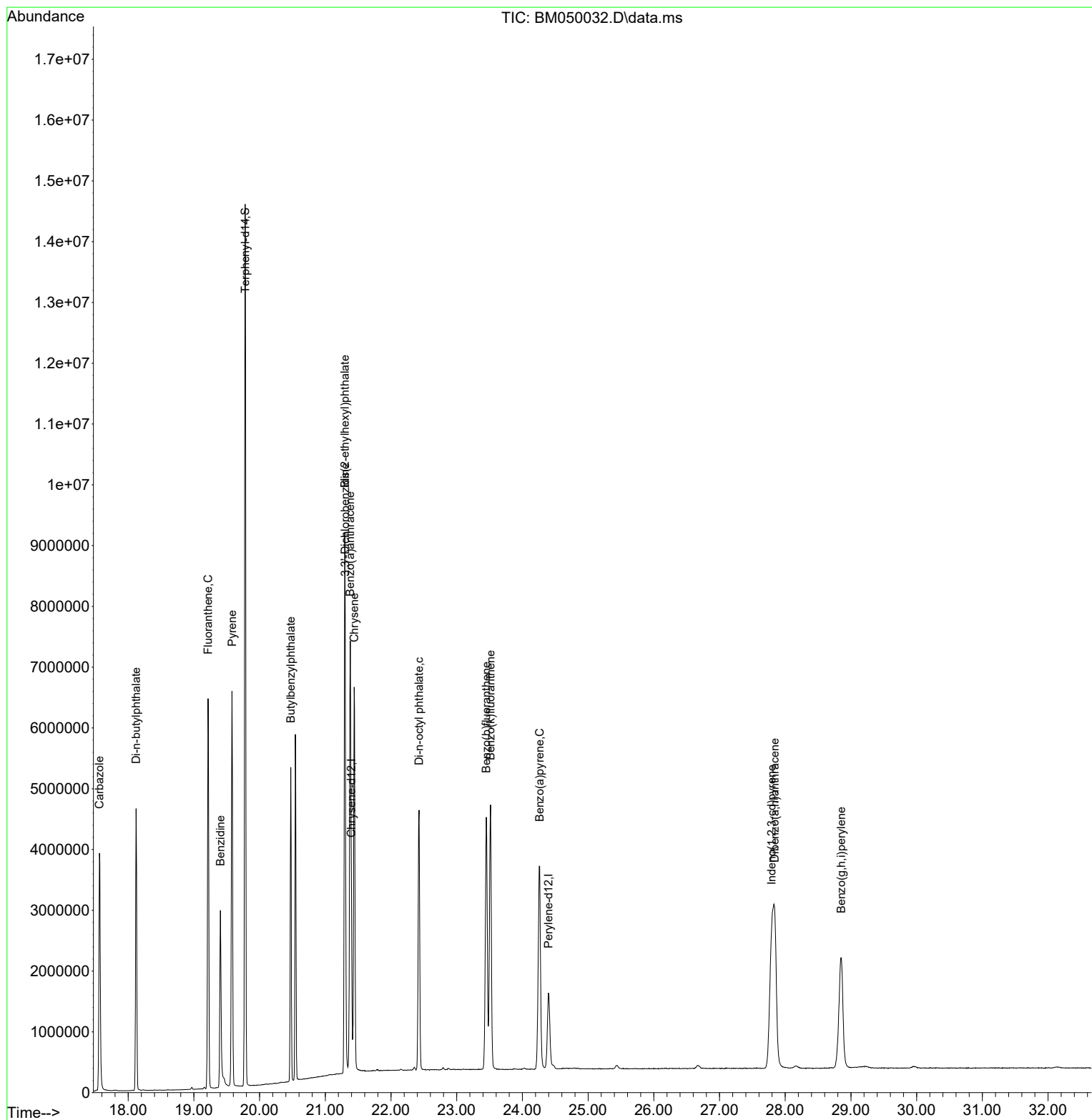
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
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Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2	1,4-Dioxane	0.490	0.551	-12.4	103	0.00
3	Pyridine	1.258	1.464	-16.4	105	0.00
4	n-Nitrosodimethylamine	0.493	0.567	-15.0	104	0.00
5 S	2-Fluorophenol	1.142	1.255	-9.9	99	0.00
6	Aniline	1.813	2.118	-16.8	104	0.00
7 S	Phenol-d6	1.436	1.617	-12.6	100	0.00
8	2-Chlorophenol	1.235	1.412	-14.3	103	0.00
9	Benzaldehyde	0.961	1.055	-9.8	98	0.00
10 C	Phenol	1.453	1.704	-17.3	106	0.00
11	bis(2-Chloroethyl)ether	1.213	1.381	-13.8	103	0.00
12	1,3-Dichlorobenzene	1.492	1.666	-11.7	102	0.00
13 C	1,4-Dichlorobenzene	1.499	1.684	-12.3	103	0.00
14	1,2-Dichlorobenzene	1.448	1.635	-12.9	103	0.00
15	Benzyl Alcohol	0.996	1.199	-20.4	106	0.00
16	2,2'-oxybis(1-Chloropropane	1.475	1.657	-12.3	102	0.00
17	2-Methylphenol	0.957	1.129	-18.0	104	0.00
18	Hexachloroethane	0.533	0.596	-11.8	102	0.00
19 P	n-Nitroso-di-n-propylamine	0.921	1.102	-19.7	105	0.00
20	3+4-Methylphenols	1.293	1.551	-20.0	106	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.497	0.561	-12.9	104	0.00
23 S	Nitrobenzene-d5	0.406	0.395	2.7	90	0.00
24	Nitrobenzene	0.351	0.396	-12.8	104	0.00
25	Isophorone	0.692	0.789	-14.0	107	0.00
26 C	2-Nitrophenol	0.179	0.211	-17.9	106	0.00
27	2,4-Dimethylphenol	0.297	0.345	-16.2	105	0.00
28	bis(2-Chloroethoxy)methane	0.428	0.480	-12.1	104	0.00
29 C	2,4-Dichlorophenol	0.333	0.386	-15.9	105	0.00
30	1,2,4-Trichlorobenzene	0.406	0.450	-10.8	104	0.00
31	Naphthalene	1.013	1.131	-11.6	105	0.00
32	Benzoic acid	0.190	0.219	-15.3	109	0.00
33	4-Chloroaniline	0.415	0.492	-18.6	110	0.00
34 C	Hexachlorobutadiene	0.258	0.284	-10.1	103	0.00
35	Caprolactam	0.097	0.113	-16.5	107	0.00
36 C	4-Chloro-3-methylphenol	0.308	0.360	-16.9	109	0.00
37	2-Methylnaphthalene	0.679	0.770	-13.4	107	0.00
38	1-Methylnaphthalene	0.719	0.812	-12.9	106	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.692	0.764	-10.4	105	0.00
41 P	Hexachlorocyclopentadiene	0.423	0.469	-10.9	106	0.00
42 S	2,4,6-Tribromophenol	0.296	0.335	-13.2	108	0.00
43 C	2,4,6-Trichlorophenol	0.439	0.506	-15.3	109	0.00
44	2,4,5-Trichlorophenol	0.474	0.548	-15.6	108	0.00
45 S	2-Fluorobiphenyl	1.691	1.612	4.7	91	0.00
46	1,1'-Biphenyl	1.487	1.643	-10.5	107	0.00
47	2-Chloronaphthalene	1.177	1.315	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.329	-19.2	112	0.00
49	Acenaphthylene	1.857	2.103	-13.2	109	0.00
50	Dimethylphthalate	1.462	1.657	-13.3	111	0.00
51	2,6-Dinitrotoluene	0.303	0.360	-18.8	113	0.00
52 C	Acenaphthene	1.075	1.215	-13.0	110	0.00
53	3-Nitroaniline	0.289	0.353	-22.1	113	0.00
54 P	2,4-Dinitrophenol	0.164	0.206	-25.6#	119	0.00
55	Dibenzofuran	1.788	2.004	-12.1	109	0.00
56 P	4-Nitrophenol	0.205	0.258	-25.9#	118	0.00
57	2,4-Dinitrotoluene	0.418	0.505	-20.8	113	0.00
58	Fluorene	1.463	1.687	-15.3	111	0.00
59	2,3,4,6-Tetrachlorophenol	0.410	0.481	-17.3	113	0.00
60	Diethylphthalate	1.377	1.560	-13.3	111	0.00
61	4-Chlorophenyl-phenylether	0.804	0.923	-14.8	110	0.00
62	4-Nitroaniline	0.279	0.353	-26.5#	115	0.00
63	Azobenzene	1.154	1.320	-14.4	111	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.147	-17.6	117	0.00
66 c	n-Nitrosodiphenylamine	0.614	0.683	-11.2	112	0.00
67	4-Bromophenyl-phenylether	0.242	0.266	-9.9	111	0.00
68	Hexachlorobenzene	0.279	0.308	-10.4	113	0.00
69	Atrazine	0.222	0.246	-10.8	112	0.00
70 C	Pentachlorophenol	0.157	0.181	-15.3	117	0.00
71	Phenanthrene	1.128	1.266	-12.2	115	0.00
72	Anthracene	1.142	1.295	-13.4	115	0.00
73	Carbazole	0.991	1.139	-14.9	116	0.00
74	Di-n-butylphthalate	1.180	1.346	-14.1	116	0.00
75 C	Fluoranthene	1.324	1.556	-17.5	119	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77	Benzidine	0.710	0.785	-10.6	117	0.00
78	Pyrene	1.404	1.552	-10.5	118	0.00
79 S	Terphenyl-d14	1.352	1.334	1.3	101	0.00
80	Butylbenzylphthalate	0.526	0.588	-11.8	121	0.00
81	Benzo(a)anthracene	1.377	1.567	-13.8	122	0.00
82	3,3'-Dichlorobenzidine	0.527	0.578	-9.7	115	0.00
83	Chrysene	1.275	1.433	-12.4	123	0.00
84	Bis(2-ethylhexyl)phthalate	0.786	0.888	-13.0	122	0.00
85 c	Di-n-octyl phthalate	1.296	1.457	-12.4	123	0.00
86 I	Perylene-d12	1.000	1.000	0.0	118	0.00
87	Indeno(1,2,3-cd)pyrene	1.490	1.723	-15.6	127	0.00
88	Benzo(b)fluoranthene	1.301	1.465	-12.6	123	0.00
89	Benzo(k)fluoranthene	1.316	1.506	-14.4	128	0.00
90 C	Benzo(a)pyrene	1.218	1.388	-14.0	127	0.00
91	Dibenzo(a,h)anthracene	1.215	1.400	-15.2	127	-0.01
92	Benzo(g,h,i)perylene	1.163	1.321	-13.6	126	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2	1,4-Dioxane	40.000	44.976	-12.4	103	0.00
3	Pyridine	40.000	46.534	-16.3	105	0.00
4	n-Nitrosodimethylamine	40.000	45.956	-14.9	104	0.00
5 S	2-Fluorophenol	80.000	87.928	-9.9	99	0.00
6	Aniline	40.000	46.744	-16.9	104	0.00
7 S	Phenol-d6	80.000	90.140	-12.7	100	0.00
8	2-Chlorophenol	40.000	45.724	-14.3	103	0.00
9	Benzaldehyde	40.000	43.937	-9.8	98	0.00
10 C	Phenol	40.000	46.913	-17.3	106	0.00
11	bis(2-Chloroethyl)ether	40.000	45.521	-13.8	103	0.00
12	1,3-Dichlorobenzene	40.000	44.672	-11.7	102	0.00
13 C	1,4-Dichlorobenzene	40.000	44.941	-12.4	103	0.00
14	1,2-Dichlorobenzene	40.000	45.174	-12.9	103	0.00
15	Benzyl Alcohol	40.000	48.167	-20.4	106	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	44.929	-12.3	102	0.00
17	2-Methylphenol	40.000	47.153	-17.9	104	0.00
18	Hexachloroethane	40.000	44.738	-11.8	102	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	47.892	-19.7	105	0.00
20	3+4-Methylphenols	40.000	47.974	-19.9	106	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	45.153	-12.9	104	0.00
23 S	Nitrobenzene-d5	80.000	77.798	2.8	90	0.00
24	Nitrobenzene	40.000	45.104	-12.8	104	0.00
25	Isophorone	40.000	45.596	-14.0	107	0.00
26 C	2-Nitrophenol	40.000	47.087	-17.7	106	0.00
27	2,4-Dimethylphenol	40.000	46.404	-16.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	44.920	-12.3	104	0.00
29 C	2,4-Dichlorophenol	40.000	46.375	-15.9	105	0.00
30	1,2,4-Trichlorobenzene	40.000	44.348	-10.9	104	0.00
31	Naphthalene	40.000	44.651	-11.6	105	0.00
32	Benzoic acid	40.000	46.063	-15.2	109	0.00
33	4-Chloroaniline	40.000	47.375	-18.4	110	0.00
34 C	Hexachlorobutadiene	40.000	44.034	-10.1	103	0.00
35	Caprolactam	40.000	46.481	-16.2	107	0.00
36 C	4-Chloro-3-methylphenol	40.000	46.825	-17.1	109	0.00
37	2-Methylnaphthalene	40.000	45.374	-13.4	107	0.00
38	1-Methylnaphthalene	40.000	45.198	-13.0	106	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	44.140	-10.4	105	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.374	-10.9	106	0.00
42 S	2,4,6-Tribromophenol	80.000	90.503	-13.1	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	46.094	-15.2	109	0.00
44	2,4,5-Trichlorophenol	40.000	46.271	-15.7	108	0.00
45 S	2-Fluorobiphenyl	80.000	76.259	4.7	91	0.00
46	1,1'-Biphenyl	40.000	44.207	-10.5	107	0.00
47	2-Chloronaphthalene	40.000	44.684	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	47.621	-19.1	112	0.00
49	Acenaphthylene	40.000	45.315	-13.3	109	0.00
50	Dimethylphthalate	40.000	45.338	-13.3	111	0.00
51	2,6-Dinitrotoluene	40.000	47.554	-18.9	113	0.00
52 C	Acenaphthene	40.000	45.210	-13.0	110	0.00
53	3-Nitroaniline	40.000	48.843	-22.1	113	0.00
54 P	2,4-Dinitrophenol	40.000	45.189	-13.0	119	0.00
55	Dibenzofuran	40.000	44.828	-12.1	109	0.00
56 P	4-Nitrophenol	40.000	46.012	-15.0	118	0.00
57	2,4-Dinitrotoluene	40.000	48.311	-20.8	113	0.00
58	Fluorene	40.000	46.115	-15.3	111	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	46.970	-17.4	113	0.00
60	Diethylphthalate	40.000	45.299	-13.2	111	0.00
61	4-Chlorophenyl-phenylether	40.000	45.950	-14.9	110	0.00
62	4-Nitroaniline	40.000	50.610	-26.5#	115	0.00
63	Azobenzene	40.000	45.747	-14.4	111	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.920	-17.3	117	0.00
66 c	n-Nitrosodiphenylamine	40.000	44.485	-11.2	112	0.00
67	4-Bromophenyl-phenylether	40.000	43.944	-9.9	111	0.00
68	Hexachlorobenzene	40.000	44.174	-10.4	113	0.00
69	Atrazine	40.000	44.483	-11.2	112	0.00
70 C	Pentachlorophenol	40.000	46.059	-15.1	117	0.00
71	Phenanthrene	40.000	44.895	-12.2	115	0.00
72	Anthracene	40.000	45.381	-13.5	115	0.00
73	Carbazole	40.000	46.001	-15.0	116	0.00
74	Di-n-butylphthalate	40.000	45.654	-14.1	116	0.00
75 C	Fluoranthene	40.000	46.998	-17.5	119	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77	Benzydine	40.000	44.204	-10.5	117	0.00
78	Pyrene	40.000	44.209	-10.5	118	0.00
79 S	Terphenyl-d14	80.000	78.970	1.3	101	0.00
80	Butylbenzylphthalate	40.000	44.718	-11.8	121	0.00
81	Benzo(a)anthracene	40.000	45.497	-13.7	122	0.00
82	3,3'-Dichlorobenzidine	40.000	43.871	-9.7	115	0.00
83	Chrysene	40.000	44.967	-12.4	123	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.224	-13.1	122	0.00
85 c	Di-n-octyl phthalate	40.000	44.974	-12.4	123	0.00
86 I	Perylene-d12	20.000	20.000	0.0	118	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	46.249	-15.6	127	0.00
88	Benzo(b)fluoranthene	40.000	45.066	-12.7	123	0.00
89	Benzo(k)fluoranthene	40.000	45.780	-14.5	128	0.00
90 C	Benzo(a)pyrene	40.000	45.577	-13.9	127	0.00
91	Dibenzo(a,h)anthracene	40.000	46.091	-15.2	127	-0.01
92	Benzo(g,h,i)perylene	40.000	45.437	-13.6	126	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 13:25

Lab File ID: BM050062.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.339		17.3	
Benzaldehyde	0.961	1.092		13.6	
Phenol-d6	1.436	1.600		11.4	
Phenol	1.453	1.604		10.4	20.0
bis(2-Chloroethyl)ether	1.214	1.300		7.1	
2-Chlorophenol	1.235	1.304		5.6	
2-Methylphenol	0.957	0.985		2.9	
2,2-oxybis(1-Chloropropane)	1.475	1.588		7.7	
Acetophenone	0.497	0.555		11.7	
3+4-Methylphenols	1.293	1.302		0.7	
n-Nitroso-di-n-propylamine	0.921	0.843	0.050	-8.5	
Nitrobenzene-d5	0.406	0.470		15.8	
Hexachloroethane	0.533	0.574		7.7	
Nitrobenzene	0.351	0.401		14.2	
Isophorone	0.692	0.722		4.3	
2-Nitrophenol	0.179	0.198		10.6	20.0
2,4-Dimethylphenol	0.297	0.317		6.7	
bis(2-Chloroethoxy)methane	0.428	0.455		6.3	
2,4-Dichlorophenol	0.333	0.356		6.9	20.0
Naphthalene	1.013	1.086		7.2	
4-Chloroaniline	0.415	0.426		2.7	
Hexachlorobutadiene	0.258	0.279		8.1	20.0
Caprolactam	0.097	0.089		-8.2	
4-Chloro-3-methylphenol	0.308	0.303		-1.6	20.0
2-Methylnaphthalene	0.679	0.698		2.8	
Hexachlorocyclopentadiene	0.423	0.472	0.050	11.6	
2,4,6-Trichlorophenol	0.439	0.496		13.0	20.0
2-Fluorobiphenyl	1.691	1.996		18.0	
2,4,5-Trichlorophenol	0.474	0.528		11.4	
1,1-Biphenyl	1.487	1.674		12.6	
2-Chloronaphthalene	1.177	1.322		12.3	
2-Nitroaniline	0.276	0.322		16.7	
Dimethylphthalate	1.462	1.494		2.2	
Acenaphthylene	1.857	2.021		8.8	
2,6-Dinitrotoluene	0.303	0.319		5.3	
3-Nitroaniline	0.289	0.307		6.2	
Acenaphthene	1.075	1.173		9.1	20.0
2,4-Dinitrophenol	0.164	0.161	0.050	-1.8	
4-Nitrophenol	0.205	0.222	0.050	8.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 13:25

Lab File ID: BM050062.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.919		7.3	
2,4-Dinitrotoluene	0.418	0.439		5.0	
Diethylphthalate	1.377	1.398		1.5	
4-Chlorophenyl-phenylether	0.804	0.881		9.6	
Fluorene	1.463	1.622		10.9	
4-Nitroaniline	0.279	0.296		6.1	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.614	0.682		11.1	20.0
2,4,6-Tribromophenol	0.296	0.313		5.7	
4-Bromophenyl-phenylether	0.242	0.264		9.1	
Hexachlorobenzene	0.279	0.305		9.3	
Atrazine	0.222	0.235		5.9	
Pentachlorophenol	0.157	0.174		10.8	20.0
Phenanthrene	1.128	1.244		10.3	
Anthracene	1.142	1.274		11.6	
Carbazole	0.991	1.075		8.5	
Di-n-butylphthalate	1.180	1.266		7.3	
Fluoranthene	1.324	1.440		8.8	20.0
Pyrene	1.404	1.537		9.5	
Terphenyl-d14	1.352	1.606		18.8	
Butylbenzylphthalate	0.526	0.549		4.4	
3,3-Dichlorobenzidine	0.527	0.551		4.6	
Benzo (a) anthracene	1.377	1.520		10.4	
Chrysene	1.275	1.371		7.5	
Bis(2-ethylhexyl)phthalate	0.786	0.824		4.8	
Di-n-octyl phthalate	1.296	1.271		-1.9	20.0
Benzo (b) fluoranthene	1.301	1.413		8.6	
Benzo (k) fluoranthene	1.316	1.460		10.9	
Benzo (a) pyrene	1.218	1.323		8.6	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.620		8.7	
Dibenzo (a,h) anthracene	1.215	1.320		8.6	
Benzo (g,h,i) perylene	1.163	1.262		8.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.812		17.3	
1,4-Dioxane	0.490	0.582		18.8	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.429		4.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	329367	20.000	ng	-0.01
21) Naphthalene-d8	10.545	136	1090203	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	636680	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1171488	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1137064	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1050482	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1763849	93.775	ng	0.00
7) Phenol-d6	6.940	99	2108064	89.170	ng	-0.01
23) Nitrobenzene-d5	8.916	82	2051183	92.712	ng	-0.01
42) 2,4,6-Tribromophenol	15.892	330	795940	84.547	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	5083891	94.461	ng	-0.02
79) Terphenyl-d14	19.768	244	7303717	95.048	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.275	88	383184	47.513	ng	96
3) Pyridine	3.669	79	989783	47.766	ng	96
4) n-Nitrosodimethylamine	3.581	42	376576	46.336	ng	94
6) Aniline	7.087	93	1270890	42.572	ng	98
8) 2-Chlorophenol	7.328	128	859309	42.253	ng	97
9) Benzaldehyde	6.904	77	719532	45.481	ng	96
10) Phenol	6.969	94	1056904	44.161	ng	99
11) bis(2-Chloroethyl)ether	7.181	93	856057	42.836	ng	98
12) 1,3-Dichlorobenzene	7.645	146	1045209	42.546	ng	98
13) 1,4-Dichlorobenzene	7.792	146	1048234	42.473	ng	99
14) 1,2-Dichlorobenzene	8.110	146	989132	41.490	ng	100
15) Benzyl Alcohol	8.004	79	692547	42.242	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.281	45	1045823	43.052	ng	99
17) 2-Methylphenol	8.210	107	648585	41.137	ng	99
18) Hexachloroethane	8.828	117	378276	43.117	ng	95
19) n-Nitroso-di-n-propyla...	8.563	70	555015	36.605	ng	99
20) 3+4-Methylphenols	8.539	107	857963	40.296	ng	98
22) Acetophenone	8.581	105	1209811	44.635	ng	# 99
24) Nitrobenzene	8.957	77	875427	45.762	ng	99
25) Isophorone	9.481	82	1574508	41.750	ng	97
26) 2-Nitrophenol	9.663	139	430669	44.067	ng	94
27) 2,4-Dimethylphenol	9.734	122	691532	42.668	ng	98
28) bis(2-Chloroethoxy)met...	9.957	93	991786	42.549	ng	99
29) 2,4-Dichlorophenol	10.210	162	775404	42.706	ng	98
30) 1,2,4-Trichlorobenzene	10.410	180	949929	42.941	ng	100
31) Naphthalene	10.592	128	2368369	42.897	ng	100
32) Benzoic acid	9.898	122	406206	39.188	ng	94
33) 4-Chloroaniline	10.710	127	928926	41.048	ng	98
34) Hexachlorobutadiene	10.881	225	608678	43.347	ng	99
35) Caprolactam	11.510	113	194333	36.708	ng	90
36) 4-Chloro-3-methylphenol	11.851	107	661004	39.405	ng	97
37) 2-Methylnaphthalene	12.210	142	1522915	41.142	ng	99
38) 1-Methylnaphthalene	12.427	142	1586181	40.492	ng	100
40) 1,2,4,5-Tetrachloroben...	12.586	216	1034474	46.936	ng	100
41) Hexachlorocyclopentadiene	12.563	237	600946	44.616	ng	100
43) 2,4,6-Trichlorophenol	12.833	196	631478	45.172	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

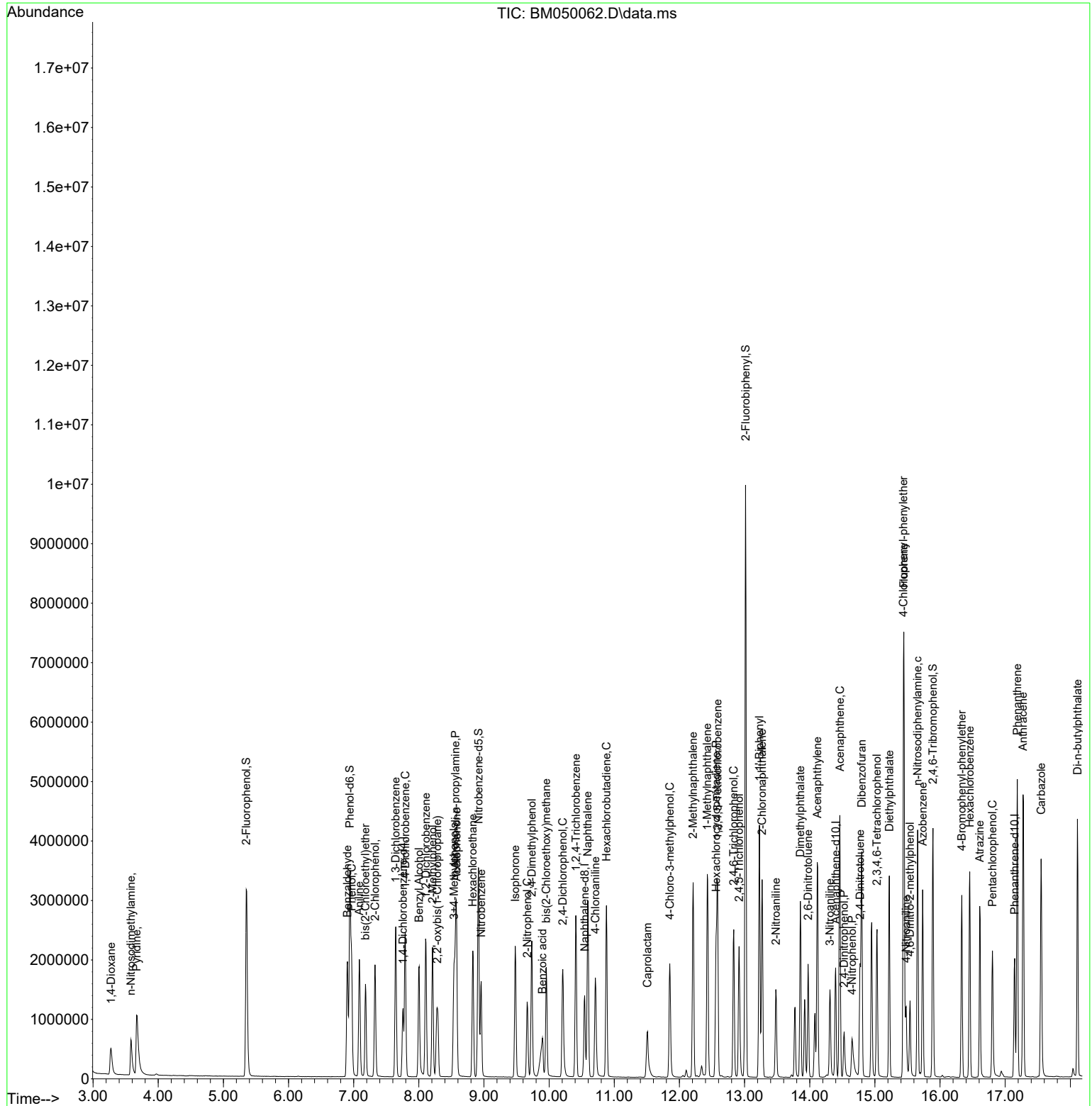
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	671975	44.577	ng	98
46) 1,1'-Biphenyl	13.227	154	2131816	45.044	ng	99
47) 2-Chloronaphthalene	13.269	162	1684006	44.927	ng	99
48) 2-Nitroaniline	13.480	65	410017	46.607	ng	94
49) Acenaphthylene	14.116	152	2573916	43.552	ng	100
50) Dimethylphthalate	13.857	163	1902354	40.885	ng	100
51) 2,6-Dinitrotoluene	13.974	165	405683	42.111	ng	91
52) Acenaphthene	14.463	154	1493734	43.665	ng	99
53) 3-Nitroaniline	14.310	138	390509	42.458	ng	96
54) 2,4-Dinitrophenol	14.527	184	205027	36.611	ng	93
55) Dibenzofuran	14.798	168	2443491	42.931	ng	100
56) 4-Nitrophenol	14.651	139	282631	40.165	ng	93
57) 2,4-Dinitrotoluene	14.774	165	558403	41.948	ng	98
58) Fluorene	15.445	166	2065086	44.327	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	545793	41.828	ng	99
60) Diethylphthalate	15.221	149	1779559	40.589	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1121604	43.832	ng	98
62) 4-Nitroaniline	15.480	138	376575	42.437	ng	96
63) Azobenzene	15.733	77	1645970	44.796	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	307321	41.909	ng	93
66) n-Nitrosodiphenylamine	15.657	169	1598289	44.430	ng	100
67) 4-Bromophenyl-phenylether	16.333	248	618264	43.643	ng	98
68) Hexachlorobenzene	16.457	284	713913	43.718	ng	98
69) Atrazine	16.610	200	550481	42.423	ng	99
70) Pentachlorophenol	16.804	266	408293	44.419	ng	99
71) Phenanthrene	17.186	178	2915695	44.128	ng	99
72) Anthracene	17.274	178	2984695	44.637	ng	99
73) Carbazole	17.551	167	2517620	43.390	ng	99
74) Di-n-butylphthalate	18.109	149	2966936	42.938	ng	99
75) Fluoranthene	19.203	202	3374127	43.496	ng	100
77) Benzidine	19.398	184	1153850	28.568	ng	99
78) Pyrene	19.568	202	3494418	43.763	ng	100
80) Butylbenzylphthalate	20.468	149	1248988	41.763	ng	95
81) Benzo(a)anthracene	21.368	228	3455861	44.135	ng	100
82) 3,3'-Dichlorobenzidine	21.292	252	1252229	41.777	ng	99
83) Chrysene	21.427	228	3117333	43.016	ng	99
84) Bis(2-ethylhexyl)phtha...	21.286	149	1873155	41.933	ng	100
85) Di-n-octyl phthalate	22.415	149	2890157	39.233	ng	98
87) Indeno(1,2,3-cd)pyrene	27.756	276	3404250	43.491	ng	99
88) Benzo(b)fluoranthene	23.433	252	2969664	43.470	ng	100
89) Benzo(k)fluoranthene	23.497	252	3066550	44.376	ng	100
90) Benzo(a)pyrene	24.238	252	2780579	43.457	ng	99
91) Dibenzo(a,h)anthracene	27.803	278	2773732	43.471	ng	99
92) Benzo(g,h,i)perylene	28.809	276	2650473	43.389	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

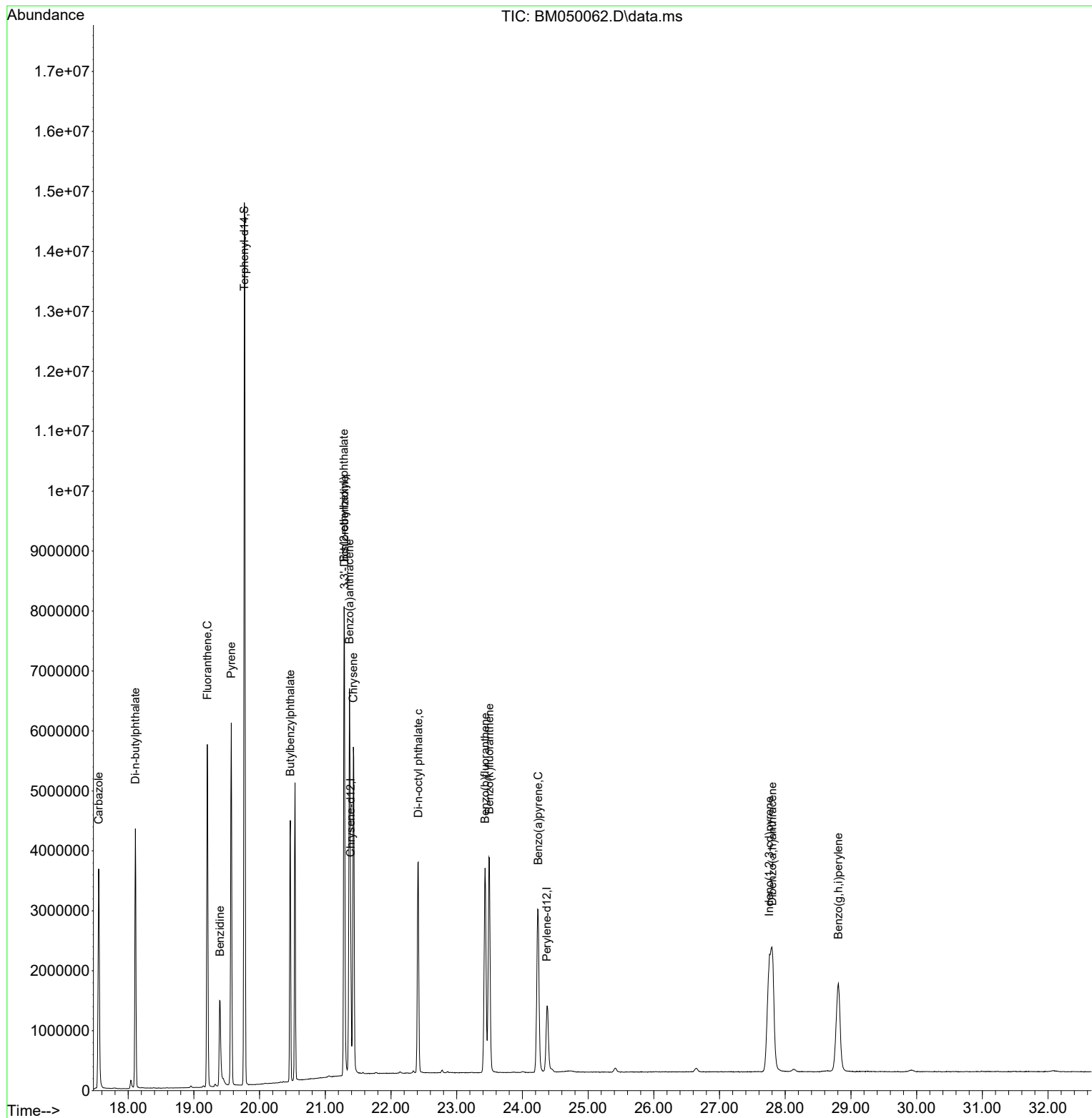
Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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Instrument :
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Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	137	-0.01
2	1,4-Dioxane	0.490	0.582	-18.8	155#	0.02
3	Pyridine	1.258	1.503	-19.5	154#	0.01
4	n-Nitrosodimethylamine	0.493	0.572	-16.0	150	0.02
5 S	2-Fluorophenol	1.142	1.339	-17.3	151#	0.00
6	Aniline	1.813	1.929	-6.4	136	-0.01
7 S	Phenol-d6	1.436	1.600	-11.4	142	-0.01
8	2-Chlorophenol	1.235	1.304	-5.6	136	-0.01
9	Benzaldehyde	0.961	1.092	-13.6	145	0.00
10 C	Phenol	1.453	1.604	-10.4	142	-0.01
11	bis(2-Chloroethyl)ether	1.213	1.300	-7.2	139	-0.01
12	1,3-Dichlorobenzene	1.492	1.587	-6.4	138	-0.01
13 C	1,4-Dichlorobenzene	1.499	1.591	-6.1	139	-0.01
14	1,2-Dichlorobenzene	1.448	1.502	-3.7	135	-0.01
15	Benzyl Alcohol	0.996	1.051	-5.5	133	-0.01
16	2,2'-oxybis(1-Chloropropane	1.475	1.588	-7.7	140	-0.01
17	2-Methylphenol	0.957	0.985	-2.9	130	-0.01
18	Hexachloroethane	0.533	0.574	-7.7	141	-0.02
19 P	n-Nitroso-di-n-propylamine	0.921	0.843	8.5	115	-0.01
20	3+4-Methylphenols	1.293	1.302	-0.7	128	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	122	-0.02
22	Acetophenone	0.497	0.555	-11.7	128	-0.01
23 S	Nitrobenzene-d5	0.406	0.470	-15.8	133	-0.01
24	Nitrobenzene	0.351	0.401	-14.2	131	-0.01
25	Isophorone	0.692	0.722	-4.3	121	-0.02
26 C	2-Nitrophenol	0.179	0.198	-10.6	123	-0.02
27	2,4-Dimethylphenol	0.297	0.317	-6.7	120	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.455	-6.3	123	-0.02
29 C	2,4-Dichlorophenol	0.333	0.356	-6.9	120	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.436	-7.4	125	-0.02
31	Naphthalene	1.013	1.086	-7.2	125	-0.02
32	Benzoic acid	0.190	0.186	2.1	116	-0.01
33	4-Chloroaniline	0.415	0.426	-2.7	118	-0.02
34 C	Hexachlorobutadiene	0.258	0.279	-8.1	126	-0.02
35	Caprolactam	0.097	0.089	8.2	104	-0.01
36 C	4-Chloro-3-methylphenol	0.308	0.303	1.6	114	-0.02
37	2-Methylnaphthalene	0.679	0.698	-2.8	120	-0.02
38	1-Methylnaphthalene	0.719	0.727	-1.1	118	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	108	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.692	0.812	-17.3	118	-0.01
41 P	Hexachlorocyclopentadiene	0.423	0.472	-11.6	112	-0.02
42 S	2,4,6-Tribromophenol	0.296	0.313	-5.7	106	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.496	-13.0	112	-0.02
44	2,4,5-Trichlorophenol	0.474	0.528	-11.4	110	-0.02
45 S	2-Fluorobiphenyl	1.691	1.996	-18.0	119	-0.02
46	1,1'-Biphenyl	1.487	1.674	-12.6	115	-0.02
47	2-Chloronaphthalene	1.177	1.322	-12.3	114	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.322	-16.7	115	-0.02
49	Acenaphthylene	1.857	2.021	-8.8	110	-0.02
50	Dimethylphthalate	1.462	1.494	-2.2	105	-0.01
51	2,6-Dinitrotoluene	0.303	0.319	-5.3	105	-0.02
52 C	Acenaphthene	1.075	1.173	-9.1	111	-0.01
53	3-Nitroaniline	0.289	0.307	-6.2	103	-0.02
54 P	2,4-Dinitrophenol	0.164	0.161	1.8	98	-0.02
55	Dibenzofuran	1.788	1.919	-7.3	110	-0.01
56 P	4-Nitrophenol	0.205	0.222	-8.3	107	-0.02
57	2,4-Dinitrotoluene	0.418	0.439	-5.0	103	-0.01
58	Fluorene	1.463	1.622	-10.9	112	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.429	-4.6	106	-0.01
60	Diethylphthalate	1.377	1.398	-1.5	105	-0.01
61	4-Chlorophenyl-phenylether	0.804	0.881	-9.6	111	-0.02
62	4-Nitroaniline	0.279	0.296	-6.1	102	-0.01
63	Azobenzene	1.154	1.293	-12.0	114	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	101	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	98	-0.02
66 c	n-Nitrosodiphenylamine	0.614	0.682	-11.1	105	-0.01
67	4-Bromophenyl-phenylether	0.242	0.264	-9.1	103	-0.01
68	Hexachlorobenzene	0.279	0.305	-9.3	104	-0.01
69	Atrazine	0.222	0.235	-5.9	100	-0.02
70 C	Pentachlorophenol	0.157	0.174	-10.8	105	-0.02
71	Phenanthrene	1.128	1.244	-10.3	106	-0.01
72	Anthracene	1.142	1.274	-11.6	106	-0.02
73	Carbazole	0.991	1.075	-8.5	103	-0.02
74	Di-n-butylphthalate	1.180	1.266	-7.3	102	-0.01
75 C	Fluoranthene	1.324	1.440	-8.8	103	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	102	-0.01
77	Benzidine	0.710	0.507	28.6#	67	0.00
78	Pyrene	1.404	1.537	-9.5	103	-0.01
79 S	Terphenyl-d14	1.352	1.606	-18.8	107	-0.01
80	Butylbenzylphthalate	0.526	0.549	-4.4	100	-0.01
81	Benzo(a)anthracene	1.377	1.520	-10.4	105	-0.01
82	3,3'-Dichlorobenzidine	0.527	0.551	-4.6	97	-0.01
83	Chrysene	1.275	1.371	-7.5	104	-0.02
84	Bis(2-ethylhexyl)phthalate	0.786	0.824	-4.8	100	-0.01
85 c	Di-n-octyl phthalate	1.296	1.271	1.9	95	-0.01
86 I	Perylene-d12	1.000	1.000	0.0	98	-0.03
87	Indeno(1,2,3-cd)pyrene	1.490	1.620	-8.7	99	-0.04
88	Benzo(b)fluoranthene	1.301	1.413	-8.6	98	-0.02
89	Benzo(k)fluoranthene	1.316	1.460	-10.9	103	-0.02
90 C	Benzo(a)pyrene	1.218	1.323	-8.6	100	-0.02
91	Dibenzo(a,h)anthracene	1.215	1.320	-8.6	99	-0.05
92	Benzo(g,h,i)perylene	1.163	1.262	-8.5	100	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
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Instrument :
 BNA_M
 LabSampleId :
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Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	137	-0.01
2	1,4-Dioxane	40.000	47.513	-18.8	155	0.02
3	Pyridine	40.000	47.766	-19.4	154	0.01
4	n-Nitrosodimethylamine	40.000	46.336	-15.8	150	0.02
5 S	2-Fluorophenol	80.000	93.775	-17.2	151	0.00
6	Aniline	40.000	42.572	-6.4	136	-0.01
7 S	Phenol-d6	80.000	89.170	-11.5	142	-0.01
8	2-Chlorophenol	40.000	42.253	-5.6	136	-0.01
9	Benzaldehyde	40.000	45.481	-13.7	145	0.00
10 C	Phenol	40.000	44.161	-10.4	142	-0.01
11	bis(2-Chloroethyl)ether	40.000	42.836	-7.1	139	-0.01
12	1,3-Dichlorobenzene	40.000	42.546	-6.4	138	-0.01
13 C	1,4-Dichlorobenzene	40.000	42.473	-6.2	139	-0.01
14	1,2-Dichlorobenzene	40.000	41.490	-3.7	135	-0.01
15	Benzyl Alcohol	40.000	42.242	-5.6	133	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	43.052	-7.6	140	-0.01
17	2-Methylphenol	40.000	41.137	-2.8	130	-0.01
18	Hexachloroethane	40.000	43.117	-7.8	141	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	36.605	8.5	115	-0.01
20	3+4-Methylphenols	40.000	40.296	-0.7	128	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	122	-0.02
22	Acetophenone	40.000	44.635	-11.6	128	-0.01
23 S	Nitrobenzene-d5	80.000	92.712	-15.9	133	-0.01
24	Nitrobenzene	40.000	45.762	-14.4	131	-0.01
25	Isophorone	40.000	41.750	-4.4	121	-0.02
26 C	2-Nitrophenol	40.000	44.067	-10.2	123	-0.02
27	2,4-Dimethylphenol	40.000	42.668	-6.7	120	-0.02
28	bis(2-Chloroethoxy)methane	40.000	42.549	-6.4	123	-0.02
29 C	2,4-Dichlorophenol	40.000	42.706	-6.8	120	-0.02
30	1,2,4-Trichlorobenzene	40.000	42.941	-7.4	125	-0.02
31	Naphthalene	40.000	42.897	-7.2	125	-0.02
32	Benzoic acid	40.000	39.188	2.0	116	-0.01
33	4-Chloroaniline	40.000	41.048	-2.6	118	-0.02
34 C	Hexachlorobutadiene	40.000	43.347	-8.4	126	-0.02
35	Caprolactam	40.000	36.708	8.2	104	-0.01
36 C	4-Chloro-3-methylphenol	40.000	39.405	1.5	114	-0.02
37	2-Methylnaphthalene	40.000	41.142	-2.9	120	-0.02
38	1-Methylnaphthalene	40.000	40.492	-1.2	118	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	108	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	46.936	-17.3	118	-0.01
41 P	Hexachlorocyclopentadiene	40.000	44.616	-11.5	112	-0.02
42 S	2,4,6-Tribromophenol	80.000	84.547	-5.7	106	-0.01
43 C	2,4,6-Trichlorophenol	40.000	45.172	-12.9	112	-0.02
44	2,4,5-Trichlorophenol	40.000	44.577	-11.4	110	-0.02
45 S	2-Fluorobiphenyl	80.000	94.461	-18.1	119	-0.02
46	1,1'-Biphenyl	40.000	45.044	-12.6	115	-0.02
47	2-Chloronaphthalene	40.000	44.927	-12.3	114	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050062.D
 Acq On : 01 May 2025 13:25
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	46.607	-16.5	115	-0.02
49	Acenaphthylene	40.000	43.552	-8.9	110	-0.02
50	Dimethylphthalate	40.000	40.885	-2.2	105	-0.01
51	2,6-Dinitrotoluene	40.000	42.111	-5.3	105	-0.02
52 C	Acenaphthene	40.000	43.665	-9.2	111	-0.01
53	3-Nitroaniline	40.000	42.458	-6.1	103	-0.02
54 P	2,4-Dinitrophenol	40.000	36.611	8.5	98	-0.02
55	Dibenzofuran	40.000	42.931	-7.3	110	-0.01
56 P	4-Nitrophenol	40.000	40.165	-0.4	107	-0.02
57	2,4-Dinitrotoluene	40.000	41.948	-4.9	103	-0.01
58	Fluorene	40.000	44.327	-10.8	112	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	41.828	-4.6	106	-0.01
60	Diethylphthalate	40.000	40.589	-1.5	105	-0.01
61	4-Chlorophenyl-phenylether	40.000	43.832	-9.6	111	-0.02
62	4-Nitroaniline	40.000	42.437	-6.1	102	-0.01
63	Azobenzene	40.000	44.796	-12.0	114	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	101	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	41.909	-4.8	98	-0.02
66 c	n-Nitrosodiphenylamine	40.000	44.430	-11.1	105	-0.01
67	4-Bromophenyl-phenylether	40.000	43.643	-9.1	103	-0.01
68	Hexachlorobenzene	40.000	43.718	-9.3	104	-0.01
69	Atrazine	40.000	42.423	-6.1	100	-0.02
70 C	Pentachlorophenol	40.000	44.419	-11.0	105	-0.02
71	Phenanthrene	40.000	44.128	-10.3	106	-0.01
72	Anthracene	40.000	44.637	-11.6	106	-0.02
73	Carbazole	40.000	43.390	-8.5	103	-0.02
74	Di-n-butylphthalate	40.000	42.938	-7.3	102	-0.01
75 C	Fluoranthene	40.000	43.496	-8.7	103	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	102	-0.01
77	Benzydine	40.000	28.568	28.6#	67	0.00
78	Pyrene	40.000	43.763	-9.4	103	-0.01
79 S	Terphenyl-d14	80.000	95.048	-18.8	107	-0.01
80	Butylbenzylphthalate	40.000	41.763	-4.4	100	-0.01
81	Benzo(a)anthracene	40.000	44.135	-10.3	105	-0.01
82	3,3'-Dichlorobenzidine	40.000	41.777	-4.4	97	-0.01
83	Chrysene	40.000	43.016	-7.5	104	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	41.933	-4.8	100	-0.01
85 c	Di-n-octyl phthalate	40.000	39.233	1.9	95	-0.01
86 I	Perylene-d12	20.000	20.000	0.0	98	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	43.491	-8.7	99	-0.04
88	Benzo(b)fluoranthene	40.000	43.470	-8.7	98	-0.02
89	Benzo(k)fluoranthene	40.000	44.376	-10.9	103	-0.02
90 C	Benzo(a)pyrene	40.000	43.457	-8.6	100	-0.02
91	Dibenzo(a,h)anthracene	40.000	43.471	-8.7	99	-0.05
92	Benzo(g,h,i)perylene	40.000	43.389	-8.5	100	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/02/2025 10:33

Lab File ID: BM050079.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.128		-1.2	
Benzaldehyde	0.961	0.945		-1.7	
Phenol-d6	1.436	1.413		-1.6	
Phenol	1.453	1.422		-2.1	20.0
bis(2-Chloroethyl)ether	1.214	1.142		-5.9	
2-Chlorophenol	1.235	1.175		-4.9	
2-Methylphenol	0.957	0.917		-4.2	
2,2-oxybis(1-Chloropropane)	1.475	1.400		-5.1	
Acetophenone	0.497	0.479		-3.6	
3+4-Methylphenols	1.293	1.230		-4.9	
n-Nitroso-di-n-propylamine	0.921	0.896	0.050	-2.7	
Nitrobenzene-d5	0.406	0.398		-2.0	
Hexachloroethane	0.533	0.498		-6.6	
Nitrobenzene	0.351	0.340		-3.1	
Isophorone	0.692	0.652		-5.8	
2-Nitrophenol	0.179	0.175		-2.2	20.0
2,4-Dimethylphenol	0.297	0.287		-3.4	
bis(2-Chloroethoxy)methane	0.428	0.404		-5.6	
2,4-Dichlorophenol	0.333	0.318		-4.5	20.0
Naphthalene	1.013	0.950		-6.2	
4-Chloroaniline	0.415	0.400		-3.6	
Hexachlorobutadiene	0.258	0.240		-7.0	20.0
Caprolactam	0.097	0.092		-5.2	
4-Chloro-3-methylphenol	0.308	0.290		-5.8	20.0
2-Methylnaphthalene	0.679	0.627		-7.7	
Hexachlorocyclopentadiene	0.423	0.385	0.050	-9.0	
2,4,6-Trichlorophenol	0.439	0.426		-3.0	20.0
2-Fluorobiphenyl	1.691	1.629		-3.7	
2,4,5-Trichlorophenol	0.474	0.460		-3.0	
1,1-Biphenyl	1.487	1.407		-5.4	
2-Chloronaphthalene	1.177	1.118		-5.0	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.364		-6.7	
Acenaphthylene	1.857	1.757		-5.4	
2,6-Dinitrotoluene	0.303	0.293		-3.3	
3-Nitroaniline	0.289	0.292		1.0	
Acenaphthene	1.075	1.008		-6.2	20.0
2,4-Dinitrophenol	0.164	0.159	0.050	-3.0	
4-Nitrophenol	0.205	0.197	0.050	-3.9	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/02/2025 10:33

Lab File ID: BM050079.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.676		-6.3	
2,4-Dinitrotoluene	0.418	0.412		-1.4	
Diethylphthalate	1.377	1.280		-7.0	
4-Chlorophenyl-phenylether	0.804	0.759		-5.6	
Fluorene	1.463	1.392		-4.9	
4-Nitroaniline	0.279	0.287		2.9	
4,6-Dinitro-2-methylphenol	0.125	0.118		-5.6	
n-Nitrosodiphenylamine	0.614	0.575		-6.4	20.0
2,4,6-Tribromophenol	0.296	0.278		-6.1	
4-Bromophenyl-phenylether	0.242	0.224		-7.4	
Hexachlorobenzene	0.279	0.256		-8.2	
Atrazine	0.222	0.208		-6.3	
Pentachlorophenol	0.157	0.148		-5.7	20.0
Phenanthrene	1.128	1.055		-6.5	
Anthracene	1.142	1.078		-5.6	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.100		-6.8	
Fluoranthene	1.324	1.253		-5.4	20.0
Pyrene	1.404	1.339		-4.6	
Terphenyl-d14	1.352	1.346		-0.4	
Butylbenzylphthalate	0.526	0.493		-6.3	
3,3-Dichlorobenzidine	0.527	0.512		-2.8	
Benzo (a) anthracene	1.377	1.316		-4.4	
Chrysene	1.275	1.197		-6.1	
Bis(2-ethylhexyl)phthalate	0.786	0.736		-6.4	
Di-n-octyl phthalate	1.296	1.179		-9.0	20.0
Benzo (b) fluoranthene	1.301	1.260		-3.2	
Benzo (k) fluoranthene	1.316	1.232		-6.4	
Benzo (a) pyrene	1.218	1.163		-4.5	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.428		-4.2	
Dibenzo (a,h) anthracene	1.215	1.165		-4.1	
Benzo (g,h,i) perylene	1.163	1.103		-5.2	
1,2,4,5-Tetrachlorobenzene	0.692	0.655		-5.3	
1,4-Dioxane	0.490	0.476		-2.9	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.385		-6.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	249928	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	901454	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	586754	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1164746	20.000	ng	-0.01
76) Chrysene-d12	21.380	240	1138509	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1096969	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1127844	79.020	ng	-0.02
7) Phenol-d6	6.934	99	1412210	78.722	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1436913	78.546	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	653057	75.272	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	3822925	77.076	ng	-0.02
79) Terphenyl-d14	19.768	244	6128200	79.649	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	238115	38.909	ng	98
3) Pyridine	3.646	79	626284	39.831	ng	99
4) n-Nitrosodimethylamine	3.551	42	245215	39.763	ng	95
6) Aniline	7.081	93	879146	38.810	ng	99
8) 2-Chlorophenol	7.322	128	587452	38.067	ng	98
9) Benzaldehyde	6.892	77	472363	39.348	ng	97
10) Phenol	6.963	94	710601	39.129	ng	99
11) bis(2-Chloroethyl)ether	7.175	93	570956	37.651	ng	100
12) 1,3-Dichlorobenzene	7.639	146	701013	37.605	ng	99
13) 1,4-Dichlorobenzene	7.787	146	704535	37.620	ng	100
14) 1,2-Dichlorobenzene	8.098	146	675943	37.365	ng	98
15) Benzyl Alcohol	7.998	79	489827	39.373	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.275	45	699808	37.964	ng	100
17) 2-Methylphenol	8.204	107	458138	38.294	ng	99
18) Hexachloroethane	8.822	117	248872	37.383	ng	97
19) n-Nitroso-di-n-propyla...	8.557	70	447961	38.935	ng	98
20) 3+4-Methylphenols	8.539	107	614737	38.049	ng	99
22) Acetophenone	8.575	105	863404	38.525	ng	99
24) Nitrobenzene	8.951	77	613826	38.806	ng	98
25) Isophorone	9.481	82	1175706	37.703	ng	99
26) 2-Nitrophenol	9.663	139	316142	39.122	ng	99
27) 2,4-Dimethylphenol	9.733	122	517278	38.599	ng	99
28) bis(2-Chloroethoxy)met...	9.957	93	729132	37.830	ng	100
29) 2,4-Dichlorophenol	10.210	162	573328	38.188	ng	99
30) 1,2,4-Trichlorobenzene	10.410	180	682829	37.330	ng	100
31) Naphthalene	10.592	128	1713444	37.533	ng	100
32) Benzoic acid	9.892	122	323636	37.760	ng	97
33) 4-Chloroaniline	10.710	127	721673	38.567	ng	98
34) Hexachlorobutadiene	10.875	225	432840	37.279	ng	99
35) Caprolactam	11.504	113	166290	37.988	ng	96
36) 4-Chloro-3-methylphenol	11.851	107	523243	37.723	ng	98
37) 2-Methylnaphthalene	12.210	142	1131272	36.961	ng	99
38) 1-Methylnaphthalene	12.427	142	1189696	36.729	ng	100
40) 1,2,4,5-Tetrachloroben...	12.580	216	768161	37.818	ng	99
41) Hexachlorocyclopentadiene	12.557	237	451598	36.381	ng	100
43) 2,4,6-Trichlorophenol	12.833	196	499787	38.794	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

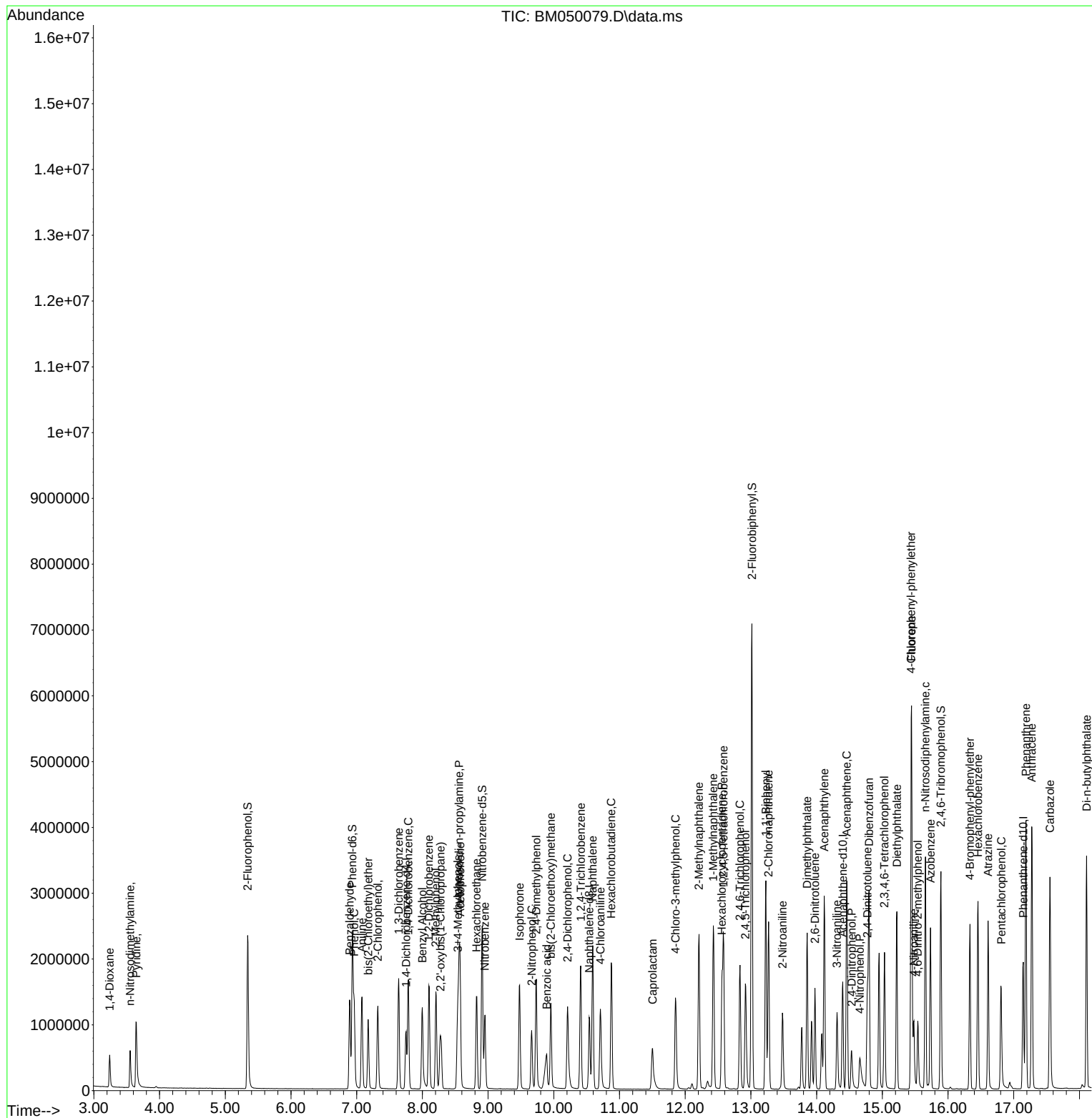
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	539492	38.833	ng	98
46) 1,1'-Biphenyl	13.227	154	1651332	37.860	ng	99
47) 2-Chloronaphthalene	13.269	162	1311916	37.978	ng	100
48) 2-Nitroaniline	13.480	65	324891	40.073	ng	98
49) Acenaphthylene	14.116	152	2061412	37.848	ng	100
50) Dimethylphthalate	13.857	163	1601126	37.339	ng	99
51) 2,6-Dinitrotoluene	13.974	165	343409	38.680	ng	97
52) Acenaphthene	14.457	154	1183209	37.531	ng	100
53) 3-Nitroaniline	14.310	138	342412	40.397	ng	97
54) 2,4-Dinitrophenol	14.533	184	187142	36.316	ng	97
55) Dibenzofuran	14.798	168	1967268	37.505	ng	100
56) 4-Nitrophenol	14.657	139	231766	36.239	ng	96
57) 2,4-Dinitrotoluene	14.774	165	483398	39.403	ng	98
58) Fluorene	15.445	166	1633458	38.045	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	451329	37.531	ng	99
60) Diethylphthalate	15.221	149	1501854	37.170	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	890171	37.748	ng	98
62) 4-Nitroaniline	15.480	138	336923	41.199	ng	96
63) Azobenzene	15.733	77	1302572	38.466	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	275818	37.831	ng	96
66) n-Nitrosodiphenylamine	15.657	169	1339187	37.443	ng	100
67) 4-Bromophenyl-phenylether	16.333	248	521812	37.047	ng	99
68) Hexachlorobenzene	16.457	284	597069	36.775	ng	98
69) Atrazine	16.609	200	484216	37.532	ng	99
70) Pentachlorophenol	16.809	266	344508	37.697	ng	100
71) Phenanthrene	17.186	178	2458739	37.428	ng	99
72) Anthracene	17.274	178	2511666	37.780	ng	100
73) Carbazole	17.551	167	2216414	38.420	ng	100
74) Di-n-butylphthalate	18.109	149	2561927	37.291	ng	100
75) Fluoranthene	19.203	202	2919856	37.857	ng	100
77) Benzidine	19.392	184	1529864	37.830	ng	99
78) Pyrene	19.568	202	3048558	38.131	ng	100
80) Butylbenzylphthalate	20.462	149	1123011	37.503	ng	95
81) Benzo(a)anthracene	21.362	228	2995858	38.212	ng	100
82) 3,3'-Dichlorobenzidine	21.286	252	1165683	38.840	ng	99
83) Chrysene	21.427	228	2726625	37.577	ng	100
84) Bis(2-ethylhexyl)phtha...	21.280	149	1676779	37.489	ng	100
85) Di-n-octyl phthalate	22.409	149	2683834	36.386	ng	99
87) Indeno(1,2,3-cd)pyrene	27.756	276	3133882	38.341	ng	100
88) Benzo(b)fluoranthene	23.433	252	2763712	38.740	ng	99
89) Benzo(k)fluoranthene	23.491	252	2702962	37.457	ng	99
90) Benzo(a)pyrene	24.233	252	2552084	38.195	ng	99
91) Dibenzo(a,h)anthracene	27.803	278	2556353	38.366	ng	99
92) Benzo(g,h,i)perylene	28.809	276	2419913	37.936	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050079.D
Acq On : 02 May 2025 10:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

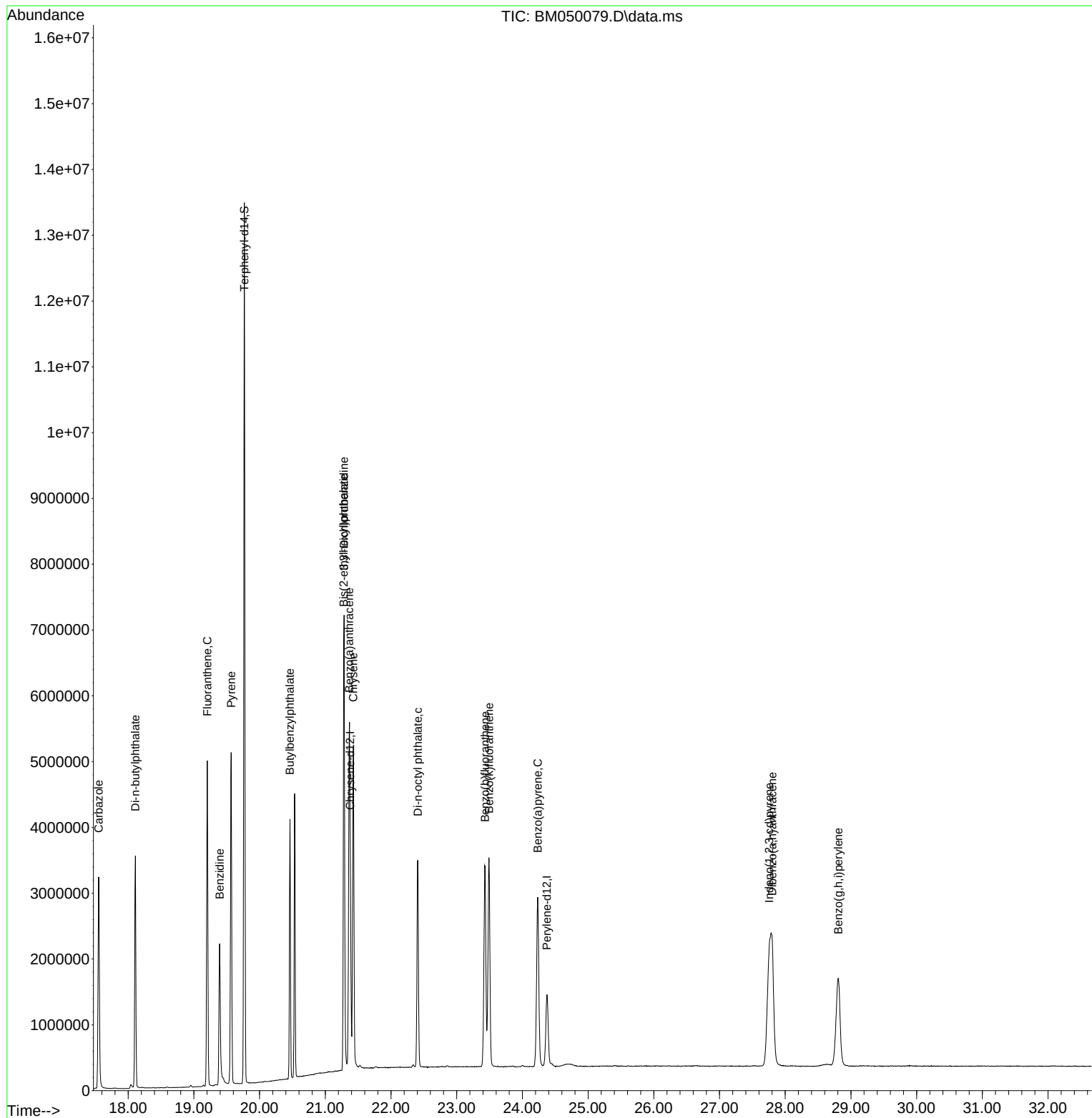
Quant Time: May 02 11:45:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050079.D
Acq On : 02 May 2025 10:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 02 11:45:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
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Instrument :
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Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	-0.02
2	1,4-Dioxane	0.490	0.476	2.9	97	-0.01
3	Pyridine	1.258	1.253	0.4	98	-0.01
4	n-Nitrosodimethylamine	0.493	0.491	0.4	97	-0.01
5 S	2-Fluorophenol	1.142	1.128	1.2	97	-0.02
6	Aniline	1.813	1.759	3.0	94	-0.02
7 S	Phenol-d6	1.436	1.413	1.6	95	-0.02
8	2-Chlorophenol	1.235	1.175	4.9	93	-0.02
9	Benzaldehyde	0.961	0.945	1.7	95	-0.02
10 C	Phenol	1.453	1.422	2.1	96	-0.02
11	bis(2-Chloroethyl)ether	1.213	1.142	5.9	93	-0.02
12	1,3-Dichlorobenzene	1.492	1.402	6.0	93	-0.02
13 C	1,4-Dichlorobenzene	1.499	1.409	6.0	94	-0.02
14	1,2-Dichlorobenzene	1.448	1.352	6.6	92	-0.02
15	Benzyl Alcohol	0.996	0.980	1.6	94	-0.02
16	2,2'-oxybis(1-Chloropropane	1.475	1.400	5.1	94	-0.02
17	2-Methylphenol	0.957	0.917	4.2	92	-0.02
18	Hexachloroethane	0.533	0.498	6.6	93	-0.02
19 P	n-Nitroso-di-n-propylamine	0.921	0.896	2.7	93	-0.02
20	3+4-Methylphenols	1.293	1.230	4.9	91	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	101	-0.02
22	Acetophenone	0.497	0.479	3.6	91	-0.02
23 S	Nitrobenzene-d5	0.406	0.398	2.0	93	-0.02
24	Nitrobenzene	0.351	0.340	3.1	92	-0.02
25	Isophorone	0.692	0.652	5.8	91	-0.02
26 C	2-Nitrophenol	0.179	0.175	2.2	90	-0.02
27	2,4-Dimethylphenol	0.297	0.287	3.4	90	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.404	5.6	90	-0.02
29 C	2,4-Dichlorophenol	0.333	0.318	4.5	89	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.379	6.7	90	-0.02
31	Naphthalene	1.013	0.950	6.2	90	-0.02
32	Benzoic acid	0.190	0.180	5.3	92	-0.02
33	4-Chloroaniline	0.415	0.400	3.6	92	-0.02
34 C	Hexachlorobutadiene	0.258	0.240	7.0	90	-0.02
35	Caprolactam	0.097	0.092	5.2	89	-0.02
36 C	4-Chloro-3-methylphenol	0.308	0.290	5.8	90	-0.02
37	2-Methylnaphthalene	0.679	0.627	7.7	89	-0.02
38	1-Methylnaphthalene	0.719	0.660	8.2	89	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	99	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.692	0.655	5.3	87	-0.02
41 P	Hexachlorocyclopentadiene	0.423	0.385	9.0	84	-0.02
42 S	2,4,6-Tribromophenol	0.296	0.278	6.1	87	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.426	3.0	89	-0.02
44	2,4,5-Trichlorophenol	0.474	0.460	3.0	88	-0.02
45 S	2-Fluorobiphenyl	1.691	1.629	3.7	89	-0.02
46	1,1'-Biphenyl	1.487	1.407	5.4	89	-0.02
47	2-Chloronaphthalene	1.177	1.118	5.0	89	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.277	-0.4	91	-0.02
49	Acenaphthylene	1.857	1.757	5.4	88	-0.02
50	Dimethylphthalate	1.462	1.364	6.7	88	-0.01
51	2,6-Dinitrotoluene	0.303	0.293	3.3	89	-0.02
52 C	Acenaphthene	1.075	1.008	6.2	88	-0.02
53	3-Nitroaniline	0.289	0.292	-1.0	90	-0.02
54 P	2,4-Dinitrophenol	0.164	0.159	3.0	89	-0.01
55	Dibenzofuran	1.788	1.676	6.3	89	-0.01
56 P	4-Nitrophenol	0.205	0.197	3.9	87	-0.01
57	2,4-Dinitrotoluene	0.418	0.412	1.4	90	-0.01
58	Fluorene	1.463	1.392	4.9	89	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.385	6.1	88	-0.01
60	Diethylphthalate	1.377	1.280	7.0	89	-0.01
61	4-Chlorophenyl-phenylether	0.804	0.759	5.6	88	-0.02
62	4-Nitroaniline	0.279	0.287	-2.9	91	-0.01
63	Azobenzene	1.154	1.110	3.8	91	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	100	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.118	5.6	88	-0.02
66 c	n-Nitrosodiphenylamine	0.614	0.575	6.4	88	-0.01
67	4-Bromophenyl-phenylether	0.242	0.224	7.4	87	-0.01
68	Hexachlorobenzene	0.279	0.256	8.2	87	-0.01
69	Atrazine	0.222	0.208	6.3	88	-0.02
70 C	Pentachlorophenol	0.157	0.148	5.7	89	-0.01
71	Phenanthrene	1.128	1.055	6.5	89	-0.01
72	Anthracene	1.142	1.078	5.6	89	-0.02
73	Carbazole	0.991	0.951	4.0	90	-0.02
74	Di-n-butylphthalate	1.180	1.100	6.8	88	-0.01
75 C	Fluoranthene	1.324	1.253	5.4	89	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	102	-0.02
77	Benzydine	0.710	0.672	5.4	89	-0.01
78	Pyrene	1.404	1.339	4.6	90	-0.01
79 S	Terphenyl-d14	1.352	1.346	0.4	90	-0.01
80	Butylbenzylphthalate	0.526	0.493	6.3	90	-0.02
81	Benzo(a)anthracene	1.377	1.316	4.4	91	-0.02
82	3,3'-Dichlorobenzidine	0.527	0.512	2.8	90	-0.02
83	Chrysene	1.275	1.197	6.1	91	-0.02
84	Bis(2-ethylhexyl)phthalate	0.786	0.736	6.4	89	-0.02
85 c	Di-n-octyl phthalate	1.296	1.179	9.0	88	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	102	-0.03
87	Indeno(1,2,3-cd)pyrene	1.490	1.428	4.2	91	-0.04
88	Benzo(b)fluoranthene	1.301	1.260	3.2	92	-0.02
89	Benzo(k)fluoranthene	1.316	1.232	6.4	91	-0.02
90 C	Benzo(a)pyrene	1.218	1.163	4.5	92	-0.03
91	Dibenzo(a,h)anthracene	1.215	1.165	4.1	92	-0.05
92	Benzo(g,h,i)perylene	1.163	1.103	5.2	91	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050079.D
Acq On : 02 May 2025 10:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:45:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
 Operator : RC/JU
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Instrument :
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Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	-0.02
2	1,4-Dioxane	40.000	38.909	2.7	97	-0.01
3	Pyridine	40.000	39.831	0.4	98	-0.01
4	n-Nitrosodimethylamine	40.000	39.763	0.6	97	-0.01
5 S	2-Fluorophenol	80.000	79.020	1.2	97	-0.02
6	Aniline	40.000	38.810	3.0	94	-0.02
7 S	Phenol-d6	80.000	78.722	1.6	95	-0.02
8	2-Chlorophenol	40.000	38.067	4.8	93	-0.02
9	Benzaldehyde	40.000	39.348	1.6	95	-0.02
10 C	Phenol	40.000	39.129	2.2	96	-0.02
11	bis(2-Chloroethyl)ether	40.000	37.651	5.9	93	-0.02
12	1,3-Dichlorobenzene	40.000	37.605	6.0	93	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.620	6.0	94	-0.02
14	1,2-Dichlorobenzene	40.000	37.365	6.6	92	-0.02
15	Benzyl Alcohol	40.000	39.373	1.6	94	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	37.964	5.1	94	-0.02
17	2-Methylphenol	40.000	38.294	4.3	92	-0.02
18	Hexachloroethane	40.000	37.383	6.5	93	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	38.935	2.7	93	-0.02
20	3+4-Methylphenols	40.000	38.049	4.9	91	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	101	-0.02
22	Acetophenone	40.000	38.525	3.7	91	-0.02
23 S	Nitrobenzene-d5	80.000	78.546	1.8	93	-0.02
24	Nitrobenzene	40.000	38.806	3.0	92	-0.02
25	Isophorone	40.000	37.703	5.7	91	-0.02
26 C	2-Nitrophenol	40.000	39.122	2.2	90	-0.02
27	2,4-Dimethylphenol	40.000	38.599	3.5	90	-0.02
28	bis(2-Chloroethoxy)methane	40.000	37.830	5.4	90	-0.02
29 C	2,4-Dichlorophenol	40.000	38.188	4.5	89	-0.02
30	1,2,4-Trichlorobenzene	40.000	37.330	6.7	90	-0.02
31	Naphthalene	40.000	37.533	6.2	90	-0.02
32	Benzoic acid	40.000	37.760	5.6	92	-0.02
33	4-Chloroaniline	40.000	38.567	3.6	92	-0.02
34 C	Hexachlorobutadiene	40.000	37.279	6.8	90	-0.02
35	Caprolactam	40.000	37.988	5.0	89	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.723	5.7	90	-0.02
37	2-Methylnaphthalene	40.000	36.961	7.6	89	-0.02
38	1-Methylnaphthalene	40.000	36.729	8.2	89	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	99	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	37.818	5.5	87	-0.02
41 P	Hexachlorocyclopentadiene	40.000	36.381	9.0	84	-0.02
42 S	2,4,6-Tribromophenol	80.000	75.272	5.9	87	-0.01
43 C	2,4,6-Trichlorophenol	40.000	38.794	3.0	89	-0.02
44	2,4,5-Trichlorophenol	40.000	38.833	2.9	88	-0.02
45 S	2-Fluorobiphenyl	80.000	77.076	3.7	89	-0.02
46	1,1'-Biphenyl	40.000	37.860	5.4	89	-0.02
47	2-Chloronaphthalene	40.000	37.978	5.1	89	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050079.D
 Acq On : 02 May 2025 10:33
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 02 11:45:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	40.073	-0.2	91	-0.02
49	Acenaphthylene	40.000	37.848	5.4	88	-0.02
50	Dimethylphthalate	40.000	37.339	6.7	88	-0.01
51	2,6-Dinitrotoluene	40.000	38.680	3.3	89	-0.02
52 C	Acenaphthene	40.000	37.531	6.2	88	-0.02
53	3-Nitroaniline	40.000	40.397	-1.0	90	-0.02
54 P	2,4-Dinitrophenol	40.000	36.316	9.2	89	-0.01
55	Dibenzofuran	40.000	37.505	6.2	89	-0.01
56 P	4-Nitrophenol	40.000	36.239	9.4	87	-0.01
57	2,4-Dinitrotoluene	40.000	39.403	1.5	90	-0.01
58	Fluorene	40.000	38.045	4.9	89	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	37.531	6.2	88	-0.01
60	Diethylphthalate	40.000	37.170	7.1	89	-0.01
61	4-Chlorophenyl-phenylether	40.000	37.748	5.6	88	-0.02
62	4-Nitroaniline	40.000	41.199	-3.0	91	-0.01
63	Azobenzene	40.000	38.466	3.8	91	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	100	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	37.831	5.4	88	-0.02
66 c	n-Nitrosodiphenylamine	40.000	37.443	6.4	88	-0.01
67	4-Bromophenyl-phenylether	40.000	37.047	7.4	87	-0.01
68	Hexachlorobenzene	40.000	36.775	8.1	87	-0.01
69	Atrazine	40.000	37.532	6.2	88	-0.02
70 C	Pentachlorophenol	40.000	37.697	5.8	89	-0.01
71	Phenanthrene	40.000	37.428	6.4	89	-0.01
72	Anthracene	40.000	37.780	5.5	89	-0.02
73	Carbazole	40.000	38.420	3.9	90	-0.02
74	Di-n-butylphthalate	40.000	37.291	6.8	88	-0.01
75 C	Fluoranthene	40.000	37.857	5.4	89	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	102	-0.02
77	Benzydine	40.000	37.830	5.4	89	-0.01
78	Pyrene	40.000	38.131	4.7	90	-0.01
79 S	Terphenyl-d14	80.000	79.649	0.4	90	-0.01
80	Butylbenzylphthalate	40.000	37.503	6.2	90	-0.02
81	Benzo(a)anthracene	40.000	38.212	4.5	91	-0.02
82	3,3'-Dichlorobenzidine	40.000	38.840	2.9	90	-0.02
83	Chrysene	40.000	37.577	6.1	91	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	37.489	6.3	89	-0.02
85 c	Di-n-octyl phthalate	40.000	36.386	9.0	88	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	102	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	38.341	4.1	91	-0.04
88	Benzo(b)fluoranthene	40.000	38.740	3.1	92	-0.02
89	Benzo(k)fluoranthene	40.000	37.457	6.4	91	-0.02
90 C	Benzo(a)pyrene	40.000	38.195	4.5	92	-0.03
91	Dibenzo(a,h)anthracene	40.000	38.366	4.1	92	-0.05
92	Benzo(g,h,i)perylene	40.000	37.936	5.2	91	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050079.D
Acq On : 02 May 2025 10:33
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 02 11:45:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range SPCC's out = 0 CCC's out = 0



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/05/2025 12:18

Lab File ID: BM050096.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.095		-4.1	
Benzaldehyde	0.961	0.917		-4.6	
Phenol-d6	1.436	1.417		-1.3	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.144		-5.8	
2-Chlorophenol	1.235	1.197		-3.1	
2-Methylphenol	0.957	0.951		-0.6	
2,2-oxybis(1-Chloropropane)	1.475	1.399		-5.2	
Acetophenone	0.497	0.471		-5.2	
3+4-Methylphenols	1.293	1.307		1.1	
n-Nitroso-di-n-propylamine	0.921	0.922	0.050	0.1	
Nitrobenzene-d5	0.406	0.383		-5.7	
Hexachloroethane	0.533	0.498		-6.6	
Nitrobenzene	0.351	0.331		-5.7	
Isophorone	0.692	0.662		-4.3	
2-Nitrophenol	0.179	0.181		1.1	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.405		-5.4	
2,4-Dichlorophenol	0.333	0.330		-0.9	20.0
Naphthalene	1.013	0.951		-6.1	
4-Chloroaniline	0.415	0.407		-1.9	
Hexachlorobutadiene	0.258	0.238		-7.8	20.0
Caprolactam	0.097	0.100		3.1	
4-Chloro-3-methylphenol	0.308	0.301		-2.3	20.0
2-Methylnaphthalene	0.679	0.646		-4.9	
Hexachlorocyclopentadiene	0.423	0.376	0.050	-11.1	
2,4,6-Trichlorophenol	0.439	0.433		-1.4	20.0
2-Fluorobiphenyl	1.691	1.567		-7.3	
2,4,5-Trichlorophenol	0.474	0.469		-1.1	
1,1-Biphenyl	1.487	1.376		-7.5	
2-Chloronaphthalene	1.177	1.088		-7.6	
2-Nitroaniline	0.276	0.274		-0.7	
Dimethylphthalate	1.462	1.361		-6.9	
Acenaphthylene	1.857	1.741		-6.2	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.294		1.7	
Acenaphthene	1.075	0.996		-7.3	20.0
2,4-Dinitrophenol	0.164	0.171	0.050	4.3	
4-Nitrophenol	0.205	0.212	0.050	3.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/05/2025 12:18

Lab File ID: BM050096.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.672		-6.5	
2,4-Dinitrotoluene	0.418	0.417		-0.2	
Diethylphthalate	1.377	1.270		-7.8	
4-Chlorophenyl-phenylether	0.804	0.753		-6.3	
Fluorene	1.463	1.372		-6.2	
4-Nitroaniline	0.279	0.293		5.0	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.296	0.291		-1.7	
4-Bromophenyl-phenylether	0.242	0.226		-6.6	
Hexachlorobenzene	0.279	0.261		-6.5	
Atrazine	0.222	0.214		-3.6	
Pentachlorophenol	0.157	0.152		-3.2	20.0
Phenanthrene	1.128	1.050		-6.9	
Anthracene	1.142	1.073		-6.0	
Carbazole	0.991	0.945		-4.6	
Di-n-butylphthalate	1.180	1.105		-6.4	
Fluoranthene	1.324	1.269		-4.2	20.0
Pyrene	1.404	1.384		-1.4	
Terphenyl-d14	1.352	1.328		-1.8	
Butylbenzylphthalate	0.526	0.514		-2.3	
3,3-Dichlorobenzidine	0.527	0.514		-2.5	
Benzo (a) anthracene	1.377	1.294		-6.0	
Chrysene	1.275	1.185		-7.1	
Bis(2-ethylhexyl)phthalate	0.786	0.721		-8.3	
Di-n-octyl phthalate	1.296	1.204		-7.1	20.0
Benzo (b) fluoranthene	1.301	1.186		-8.8	
Benzo (k) fluoranthene	1.316	1.187		-9.8	
Benzo (a) pyrene	1.218	1.140		-6.4	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.405		-5.7	
Dibenzo (a,h) anthracene	1.215	1.150		-5.3	
Benzo (g,h,i) perylene	1.163	1.099		-5.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.652		-5.8	
1,4-Dioxane	0.490	0.440		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.399		-2.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	253723	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	967980	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	663376	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1334825	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1249729	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1253431	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1110988	76.675	ng	-0.02
7) Phenol-d6	6.934	99	1437961	78.959	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1482829	75.486	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	772621	78.767	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	4158957	74.166	ng	-0.02
79) Terphenyl-d14	19.774	244	6640114	78.622	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.234	88	223507	35.976	ng	98
3) Pyridine	3.640	79	613802	38.453	ng	98
4) n-Nitrosodimethylamine	3.546	42	233972	37.372	ng	99
6) Aniline	7.075	93	898043	39.051	ng	99
8) 2-Chlorophenol	7.316	128	607512	38.778	ng	98
9) Benzaldehyde	6.892	77	465479	38.194	ng	98
10) Phenol	6.963	94	723253	39.230	ng	98
11) bis(2-Chloroethyl)ether	7.169	93	580714	37.722	ng	100
12) 1,3-Dichlorobenzene	7.634	146	712514	37.650	ng	99
13) 1,4-Dichlorobenzene	7.781	146	717230	37.725	ng	99
14) 1,2-Dichlorobenzene	8.098	146	691814	37.671	ng	100
15) Benzyl Alcohol	7.992	79	516687	40.911	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.269	45	709989	37.940	ng	99
17) 2-Methylphenol	8.210	107	482551	39.731	ng	99
18) Hexachloroethane	8.822	117	252677	37.387	ng	99
19) n-Nitroso-di-n-propyla...	8.557	70	467999	40.068	ng	100
20) 3+4-Methylphenols	8.539	107	663013	40.424	ng	99
22) Acetophenone	8.569	105	910945	37.853	ng	# 99
24) Nitrobenzene	8.951	77	640531	37.711	ng	99
25) Isophorone	9.475	82	1281550	38.272	ng	99
26) 2-Nitrophenol	9.657	139	350488	40.391	ng	99
27) 2,4-Dimethylphenol	9.733	122	564199	39.207	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	784616	37.911	ng	99
29) 2,4-Dichlorophenol	10.210	162	639475	39.667	ng	98
30) 1,2,4-Trichlorobenzene	10.404	180	735664	37.455	ng	100
31) Naphthalene	10.592	128	1841162	37.558	ng	100
32) Benzoic acid	9.904	122	382848	41.598	ng	95
33) 4-Chloroaniline	10.710	127	788885	39.262	ng	99
34) Hexachlorobutadiene	10.874	225	460750	36.955	ng	99
35) Caprolactam	11.504	113	193827	41.235	ng	98
36) 4-Chloro-3-methylphenol	11.857	107	583518	39.178	ng	99
37) 2-Methylnaphthalene	12.210	142	1250848	38.059	ng	99
38) 1-Methylnaphthalene	12.427	142	1314594	37.796	ng	98
40) 1,2,4,5-Tetrachloroben...	12.580	216	864920	37.664	ng	100
41) Hexachlorocyclopentadiene	12.557	237	498851	35.546	ng	99
43) 2,4,6-Trichlorophenol	12.833	196	573909	39.402	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

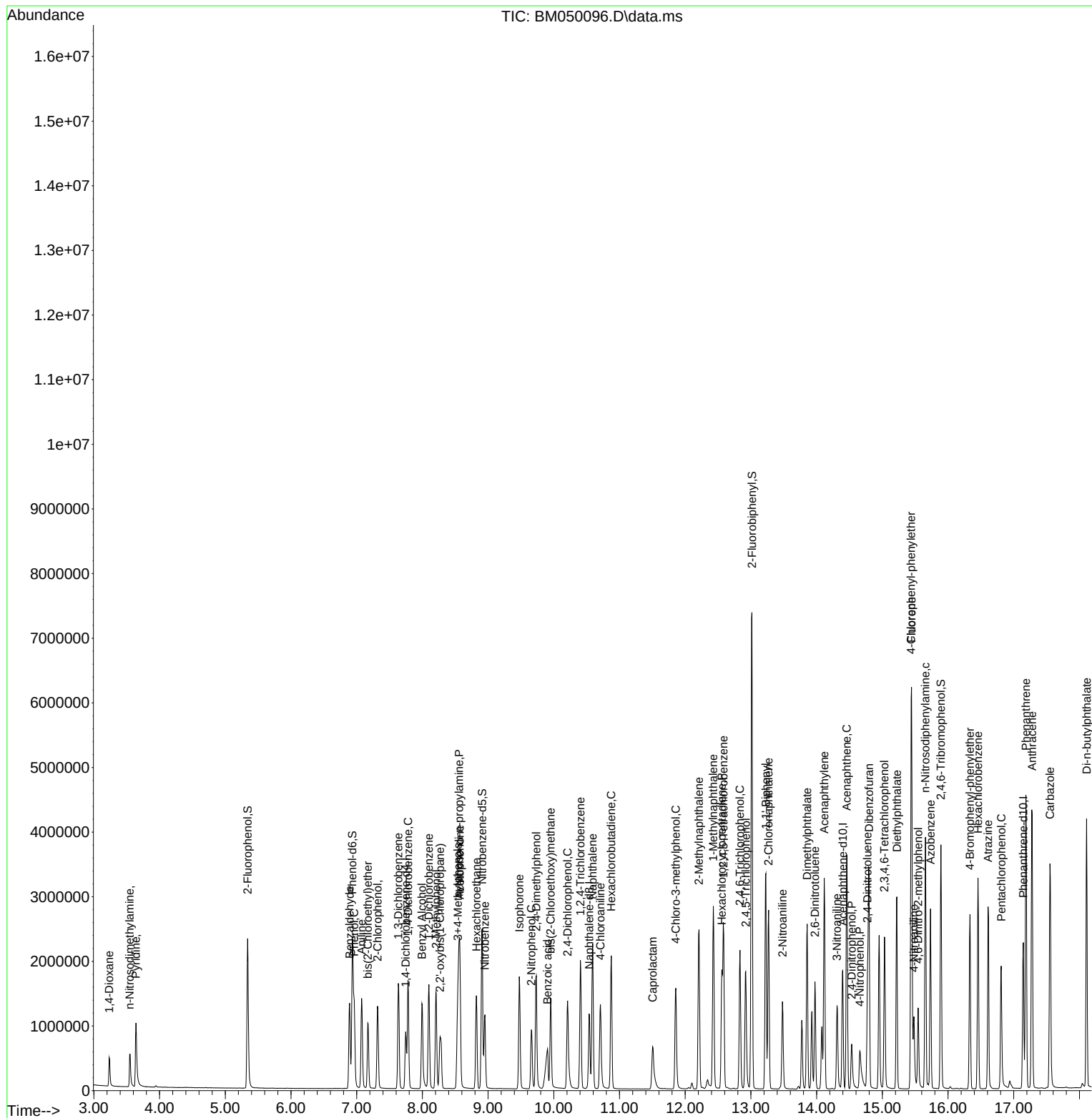
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	621796	39.588	ng	99
46) 1,1'-Biphenyl	13.227	154	1825108	37.011	ng	99
47) 2-Chloronaphthalene	13.268	162	1443971	36.973	ng	100
48) 2-Nitroaniline	13.480	65	363286	39.633	ng	99
49) Acenaphthylene	14.115	152	2310020	37.514	ng	100
50) Dimethylphthalate	13.857	163	1805057	37.233	ng	100
51) 2,6-Dinitrotoluene	13.974	165	393554	39.208	ng	99
52) Acenaphthene	14.457	154	1322056	37.091	ng	100
53) 3-Nitroaniline	14.310	138	390100	40.707	ng	100
54) 2,4-Dinitrophenol	14.533	184	227150	38.565	ng	98
55) Dibenzofuran	14.798	168	2218445	37.408	ng	99
56) 4-Nitrophenol	14.657	139	280919	38.524	ng	100
57) 2,4-Dinitrotoluene	14.774	165	553885	39.934	ng	98
58) Fluorene	15.445	166	1820845	37.511	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.033	232	530016	38.984	ng	98
60) Diethylphthalate	15.221	149	1685311	36.893	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	999499	37.488	ng	99
62) 4-Nitroaniline	15.480	138	388801	42.051	ng	99
63) Azobenzene	15.733	77	1421023	37.117	ng	97
65) 4,6-Dinitro-2-methylph...	15.545	198	333899	39.962	ng	99
66) n-Nitrosodiphenylamine	15.657	169	1548448	37.777	ng	98
67) 4-Bromophenyl-phenylether	16.333	248	603599	37.394	ng	97
68) Hexachlorobenzene	16.456	284	697206	37.471	ng	97
69) Atrazine	16.609	200	571836	38.676	ng	99
70) Pentachlorophenol	16.809	266	406540	38.816	ng	99
71) Phenanthrene	17.186	178	2802096	37.219	ng	100
72) Anthracene	17.280	178	2864342	37.595	ng	100
73) Carbazole	17.551	167	2522772	38.159	ng	99
74) Di-n-butylphthalate	18.109	149	2948729	37.453	ng	99
75) Fluoranthene	19.209	202	3388771	38.339	ng	99
77) Benzidine	19.392	184	1768881	39.848	ng	99
78) Pyrene	19.568	202	3459686	39.422	ng	100
80) Butylbenzylphthalate	20.468	149	1284636	39.083	ng	99
81) Benzo(a)anthracene	21.374	228	3234550	37.585	ng	100
82) 3,3'-Dichlorobenzidine	21.291	252	1283648	38.964	ng	100
83) Chrysene	21.433	228	2962136	37.189	ng	100
84) Bis(2-ethylhexyl)phtha...	21.286	149	1801797	36.699	ng	99
85) Di-n-octyl phthalate	22.409	149	3010178	37.178	ng	99
87) Indeno(1,2,3-cd)pyrene	27.773	276	3521793	37.708	ng	99
88) Benzo(b)fluoranthene	23.438	252	2973664	36.480	ng	100
89) Benzo(k)fluoranthene	23.497	252	2976318	36.097	ng	100
90) Benzo(a)pyrene	24.244	252	2858100	37.436	ng	100
91) Dibenzo(a,h)anthracene	27.815	278	2883384	37.873	ng	99
92) Benzo(g,h,i)perylene	28.826	276	2755094	37.799	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

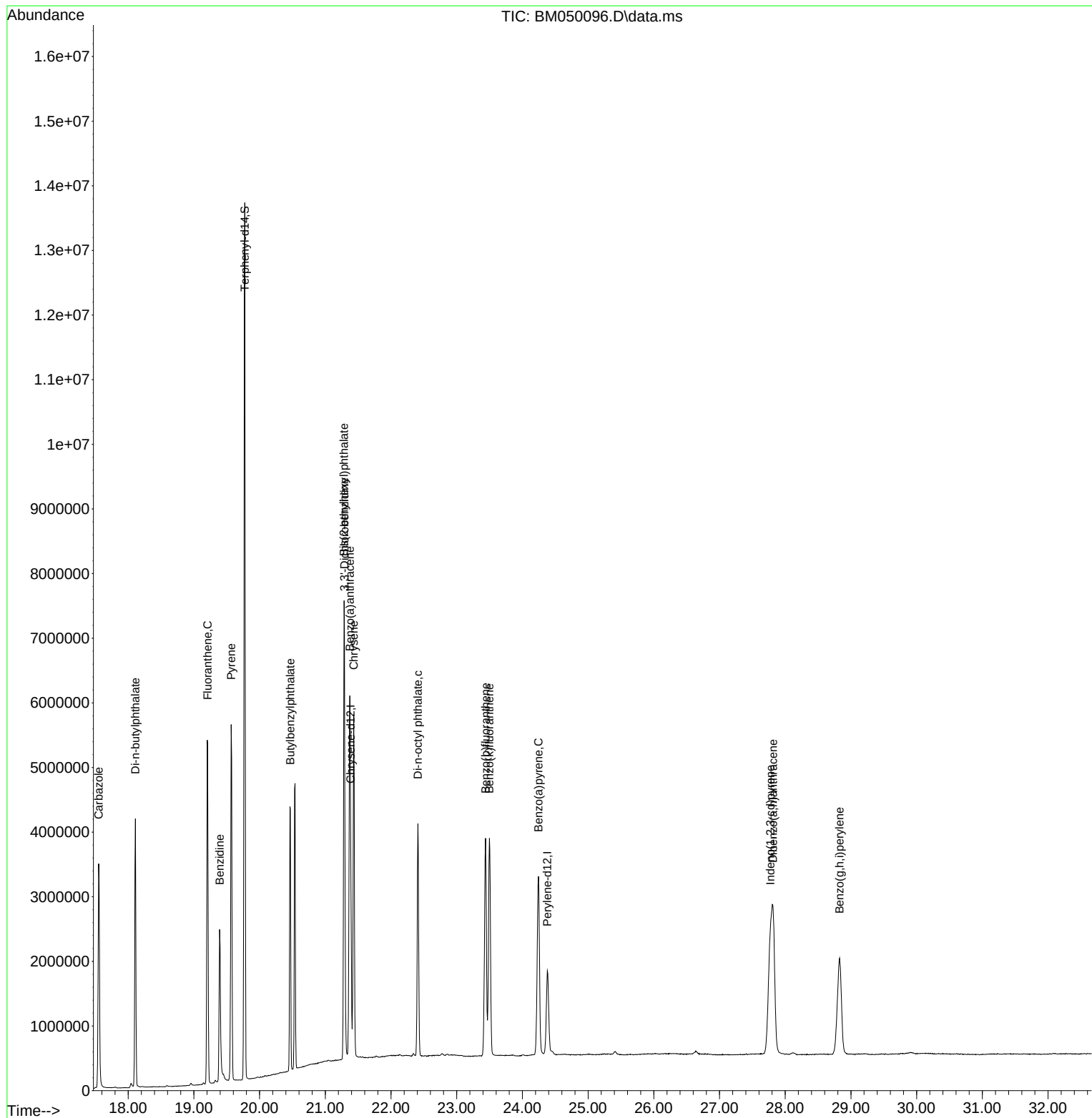
Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050096.D
Acq On : 05 May 2025 12:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 05 13:18:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
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Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	105	-0.02
2	1,4-Dioxane	0.490	0.440	10.2	91	-0.02
3	Pyridine	1.258	1.210	3.8	96	-0.02
4	n-Nitrosodimethylamine	0.493	0.461	6.5	93	-0.02
5 S	2-Fluorophenol	1.142	1.095	4.1	95	-0.02
6	Aniline	1.813	1.770	2.4	96	-0.02
7 S	Phenol-d6	1.436	1.417	1.3	97	-0.02
8	2-Chlorophenol	1.235	1.197	3.1	96	-0.02
9	Benzaldehyde	0.961	0.917	4.6	94	-0.02
10 C	Phenol	1.453	1.425	1.9	97	-0.02
11	bis(2-Chloroethyl)ether	1.213	1.144	5.7	94	-0.02
12	1,3-Dichlorobenzene	1.492	1.404	5.9	94	-0.02
13 C	1,4-Dichlorobenzene	1.499	1.413	5.7	95	-0.02
14	1,2-Dichlorobenzene	1.448	1.363	5.9	94	-0.02
15	Benzyl Alcohol	0.996	1.018	-2.2	99	-0.02
16	2,2'-oxybis(1-Chloropropane	1.475	1.399	5.2	95	-0.02
17	2-Methylphenol	0.957	0.951	0.6	97	-0.01
18	Hexachloroethane	0.533	0.498	6.6	94	-0.02
19 P	n-Nitroso-di-n-propylamine	0.921	0.922	-0.1	97	-0.02
20	3+4-Methylphenols	1.293	1.307	-1.1	99	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	109	-0.02
22	Acetophenone	0.497	0.471	5.2	96	-0.02
23 S	Nitrobenzene-d5	0.406	0.383	5.7	96	-0.02
24	Nitrobenzene	0.351	0.331	5.7	96	-0.02
25	Isophorone	0.692	0.662	4.3	99	-0.02
26 C	2-Nitrophenol	0.179	0.181	-1.1	100	-0.02
27	2,4-Dimethylphenol	0.297	0.291	2.0	98	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.405	5.4	97	-0.02
29 C	2,4-Dichlorophenol	0.333	0.330	0.9	99	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.380	6.4	97	-0.02
31	Naphthalene	1.013	0.951	6.1	97	-0.02
32	Benzoic acid	0.190	0.198	-4.2	109	0.00
33	4-Chloroaniline	0.415	0.407	1.9	101	-0.02
34 C	Hexachlorobutadiene	0.258	0.238	7.8	96	-0.02
35	Caprolactam	0.097	0.100	-3.1	104	-0.02
36 C	4-Chloro-3-methylphenol	0.308	0.301	2.3	101	-0.01
37	2-Methylnaphthalene	0.679	0.646	4.9	99	-0.02
38	1-Methylnaphthalene	0.719	0.679	5.6	98	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	112	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.692	0.652	5.8	98	-0.02
41 P	Hexachlorocyclopentadiene	0.423	0.376	11.1	93	-0.02
42 S	2,4,6-Tribromophenol	0.296	0.291	1.7	103	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.433	1.4	102	-0.02
44	2,4,5-Trichlorophenol	0.474	0.469	1.1	102	-0.01
45 S	2-Fluorobiphenyl	1.691	1.567	7.3	97	-0.02
46	1,1'-Biphenyl	1.487	1.376	7.5	98	-0.02
47	2-Chloronaphthalene	1.177	1.088	7.6	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.274	0.7	102	-0.02
49	Acenaphthylene	1.857	1.741	6.2	99	-0.02
50	Dimethylphthalate	1.462	1.361	6.9	100	-0.01
51	2,6-Dinitrotoluene	0.303	0.297	2.0	102	-0.02
52 C	Acenaphthene	1.075	0.996	7.3	99	-0.02
53	3-Nitroaniline	0.289	0.294	-1.7	103	-0.02
54 P	2,4-Dinitrophenol	0.164	0.171	-4.3	108	-0.01
55	Dibenzofuran	1.788	1.672	6.5	100	-0.01
56 P	4-Nitrophenol	0.205	0.212	-3.4	106	-0.01
57	2,4-Dinitrotoluene	0.418	0.417	0.2	103	-0.01
58	Fluorene	1.463	1.372	6.2	99	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.399	2.7	103	-0.01
60	Diethylphthalate	1.377	1.270	7.8	99	-0.01
61	4-Chlorophenyl-phenylether	0.804	0.753	6.3	99	-0.02
62	4-Nitroaniline	0.279	0.293	-5.0	105	-0.01
63	Azobenzene	1.154	1.071	7.2	99	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.125	0.0	106	-0.01
66 c	n-Nitrosodiphenylamine	0.614	0.580	5.5	102	-0.01
67	4-Bromophenyl-phenylether	0.242	0.226	6.6	101	-0.01
68	Hexachlorobenzene	0.279	0.261	6.5	102	-0.01
69	Atrazine	0.222	0.214	3.6	104	-0.02
70 C	Pentachlorophenol	0.157	0.152	3.2	105	-0.01
71	Phenanthrene	1.128	1.050	6.9	101	-0.01
72	Anthracene	1.142	1.073	6.0	101	-0.01
73	Carbazole	0.991	0.945	4.6	103	-0.02
74	Di-n-butylphthalate	1.180	1.105	6.4	102	-0.01
75 C	Fluoranthene	1.324	1.269	4.2	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	112	-0.01
77	Benzidine	0.710	0.708	0.3	103	-0.01
78	Pyrene	1.404	1.384	1.4	102	-0.01
79 S	Terphenyl-d14	1.352	1.328	1.8	98	0.00
80	Butylbenzylphthalate	0.526	0.514	2.3	103	-0.01
81	Benzo(a)anthracene	1.377	1.294	6.0	98	0.00
82	3,3'-Dichlorobenzidine	0.527	0.514	2.5	99	-0.01
83	Chrysene	1.275	1.185	7.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	0.786	0.721	8.3	96	-0.01
85 c	Di-n-octyl phthalate	1.296	1.204	7.1	99	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	117	-0.02
87	Indeno(1,2,3-cd)pyrene	1.490	1.405	5.7	103	-0.02
88	Benzo(b)fluoranthene	1.301	1.186	8.8	99	-0.01
89	Benzo(k)fluoranthene	1.316	1.187	9.8	100	-0.02
90 C	Benzo(a)pyrene	1.218	1.140	6.4	103	-0.02
91	Dibenzo(a,h)anthracene	1.215	1.150	5.3	103	-0.04
92	Benzo(g,h,i)perylene	1.163	1.099	5.5	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050096.D
Acq On : 05 May 2025 12:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:18:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	105	-0.02
2	1,4-Dioxane	40.000	35.976	10.1	91	-0.02
3	Pyridine	40.000	38.453	3.9	96	-0.02
4	n-Nitrosodimethylamine	40.000	37.372	6.6	93	-0.02
5 S	2-Fluorophenol	80.000	76.675	4.2	95	-0.02
6	Aniline	40.000	39.051	2.4	96	-0.02
7 S	Phenol-d6	80.000	78.959	1.3	97	-0.02
8	2-Chlorophenol	40.000	38.778	3.1	96	-0.02
9	Benzaldehyde	40.000	38.194	4.5	94	-0.02
10 C	Phenol	40.000	39.230	1.9	97	-0.02
11	bis(2-Chloroethyl)ether	40.000	37.722	5.7	94	-0.02
12	1,3-Dichlorobenzene	40.000	37.650	5.9	94	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.725	5.7	95	-0.02
14	1,2-Dichlorobenzene	40.000	37.671	5.8	94	-0.02
15	Benzyl Alcohol	40.000	40.911	-2.3	99	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	37.940	5.2	95	-0.02
17	2-Methylphenol	40.000	39.731	0.7	97	-0.01
18	Hexachloroethane	40.000	37.387	6.5	94	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	40.068	-0.2	97	-0.02
20	3+4-Methylphenols	40.000	40.424	-1.1	99	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	109	-0.02
22	Acetophenone	40.000	37.853	5.4	96	-0.02
23 S	Nitrobenzene-d5	80.000	75.486	5.6	96	-0.02
24	Nitrobenzene	40.000	37.711	5.7	96	-0.02
25	Isophorone	40.000	38.272	4.3	99	-0.02
26 C	2-Nitrophenol	40.000	40.391	-1.0	100	-0.02
27	2,4-Dimethylphenol	40.000	39.207	2.0	98	-0.02
28	bis(2-Chloroethoxy)methane	40.000	37.911	5.2	97	-0.02
29 C	2,4-Dichlorophenol	40.000	39.667	0.8	99	-0.02
30	1,2,4-Trichlorobenzene	40.000	37.455	6.4	97	-0.02
31	Naphthalene	40.000	37.558	6.1	97	-0.02
32	Benzoic acid	40.000	41.598	-4.0	109	0.00
33	4-Chloroaniline	40.000	39.262	1.8	101	-0.02
34 C	Hexachlorobutadiene	40.000	36.955	7.6	96	-0.02
35	Caprolactam	40.000	41.235	-3.1	104	-0.02
36 C	4-Chloro-3-methylphenol	40.000	39.178	2.1	101	-0.01
37	2-Methylnaphthalene	40.000	38.059	4.9	99	-0.02
38	1-Methylnaphthalene	40.000	37.796	5.5	98	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	112	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	37.664	5.8	98	-0.02
41 P	Hexachlorocyclopentadiene	40.000	35.546	11.1	93	-0.02
42 S	2,4,6-Tribromophenol	80.000	78.767	1.5	103	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.402	1.5	102	-0.02
44	2,4,5-Trichlorophenol	40.000	39.588	1.0	102	-0.01
45 S	2-Fluorobiphenyl	80.000	74.166	7.3	97	-0.02
46	1,1'-Biphenyl	40.000	37.011	7.5	98	-0.02
47	2-Chloronaphthalene	40.000	36.973	7.6	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	39.633	0.9	102	-0.02
49	Acenaphthylene	40.000	37.514	6.2	99	-0.02
50	Dimethylphthalate	40.000	37.233	6.9	100	-0.01
51	2,6-Dinitrotoluene	40.000	39.208	2.0	102	-0.02
52 C	Acenaphthene	40.000	37.091	7.3	99	-0.02
53	3-Nitroaniline	40.000	40.707	-1.8	103	-0.02
54 P	2,4-Dinitrophenol	40.000	38.565	3.6	108	-0.01
55	Dibenzofuran	40.000	37.408	6.5	100	-0.01
56 P	4-Nitrophenol	40.000	38.524	3.7	106	-0.01
57	2,4-Dinitrotoluene	40.000	39.934	0.2	103	-0.01
58	Fluorene	40.000	37.511	6.2	99	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	38.984	2.5	103	-0.01
60	Diethylphthalate	40.000	36.893	7.8	99	-0.01
61	4-Chlorophenyl-phenylether	40.000	37.488	6.3	99	-0.02
62	4-Nitroaniline	40.000	42.051	-5.1	105	-0.01
63	Azobenzene	40.000	37.117	7.2	99	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	115	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	39.962	0.1	106	-0.01
66 c	n-Nitrosodiphenylamine	40.000	37.777	5.6	102	-0.01
67	4-Bromophenyl-phenylether	40.000	37.394	6.5	101	-0.01
68	Hexachlorobenzene	40.000	37.471	6.3	102	-0.01
69	Atrazine	40.000	38.676	3.3	104	-0.02
70 C	Pentachlorophenol	40.000	38.816	3.0	105	-0.01
71	Phenanthrene	40.000	37.219	7.0	101	-0.01
72	Anthracene	40.000	37.595	6.0	101	-0.01
73	Carbazole	40.000	38.159	4.6	103	-0.02
74	Di-n-butylphthalate	40.000	37.453	6.4	102	-0.01
75 C	Fluoranthene	40.000	38.339	4.2	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	112	-0.01
77	Benzydine	40.000	39.848	0.4	103	-0.01
78	Pyrene	40.000	39.422	1.4	102	-0.01
79 S	Terphenyl-d14	80.000	78.622	1.7	98	0.00
80	Butylbenzylphthalate	40.000	39.083	2.3	103	-0.01
81	Benzo(a)anthracene	40.000	37.585	6.0	98	0.00
82	3,3'-Dichlorobenzidine	40.000	38.964	2.6	99	-0.01
83	Chrysene	40.000	37.189	7.0	99	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	36.699	8.3	96	-0.01
85 c	Di-n-octyl phthalate	40.000	37.178	7.1	99	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	117	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.708	5.7	103	-0.02
88	Benzo(b)fluoranthene	40.000	36.480	8.8	99	-0.01
89	Benzo(k)fluoranthene	40.000	36.097	9.8	100	-0.02
90 C	Benzo(a)pyrene	40.000	37.436	6.4	103	-0.02
91	Dibenzo(a,h)anthracene	40.000	37.873	5.3	103	-0.04
92	Benzo(g,h,i)perylene	40.000	37.799	5.5	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050096.D
Acq On : 05 May 2025 12:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:18:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Compound	Amount	Calc.	%Dev	Area%	Dev(min)
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(#) = Out of Range

SPCC's out = 0 CCC's out = 0



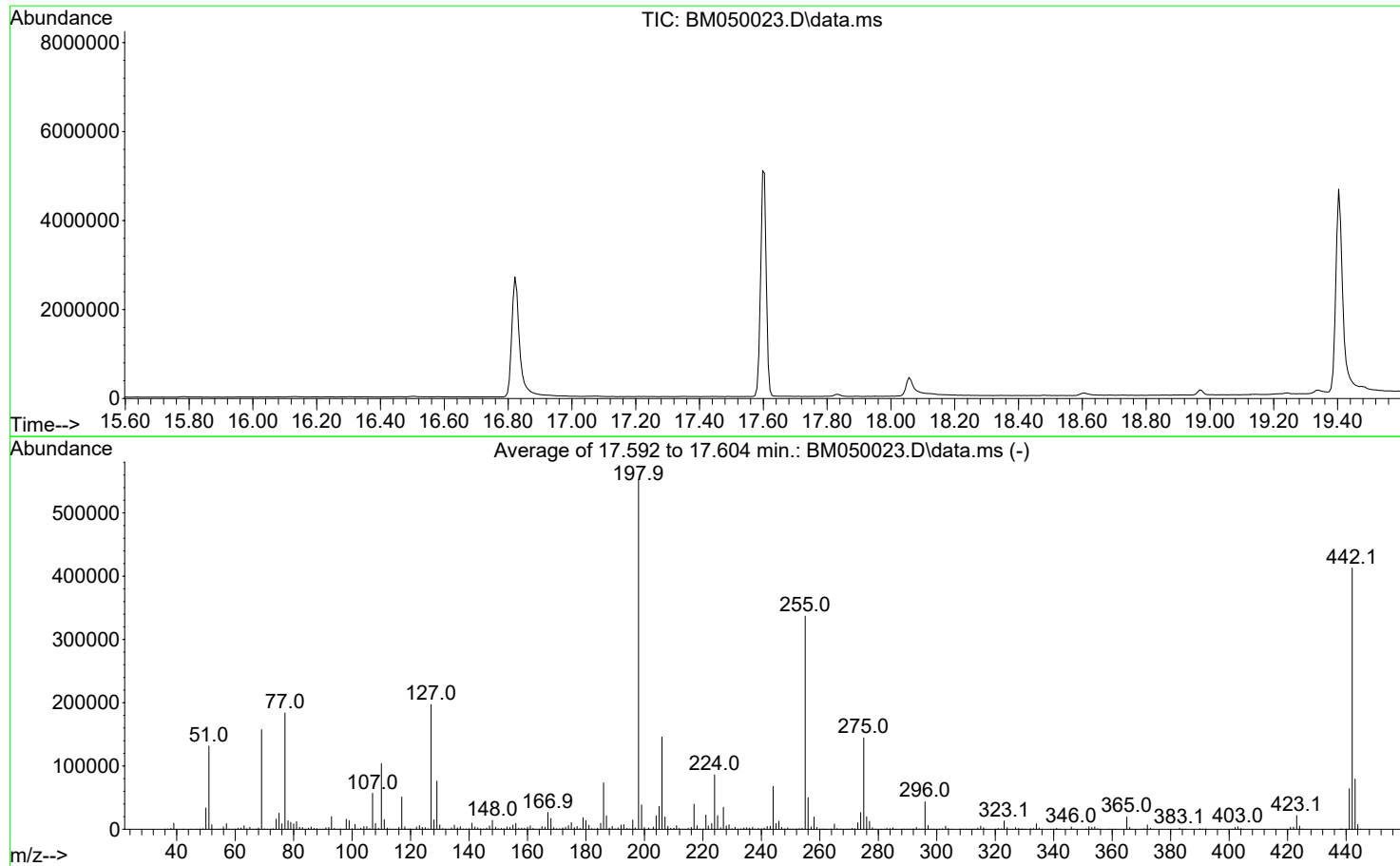
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
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-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	131521	PASS
68	69	0.00	2	1.3	2026	PASS
69	198	0.00	100	28.5	157569	PASS
70	69	0.00	2	0.4	660	PASS
127	198	10	80	35.7	197099	PASS
197	198	0.00	2	0.4	2228	PASS
198	198	100	100	100.0	552704	PASS
199	198	5	9	7.0	38461	PASS
275	198	10	60	26.2	144571	PASS
365	198	1	100	3.5	19537	PASS
441	198	0.01	100	11.6	64259	PASS
442	442	50	100	100.0	413099	PASS
443	442	15	24	19.3	79557	PASS

DDT Breakdown

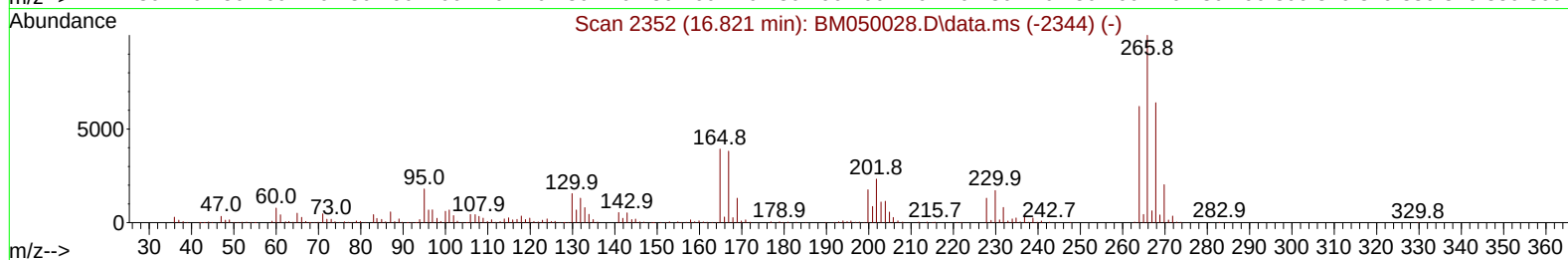
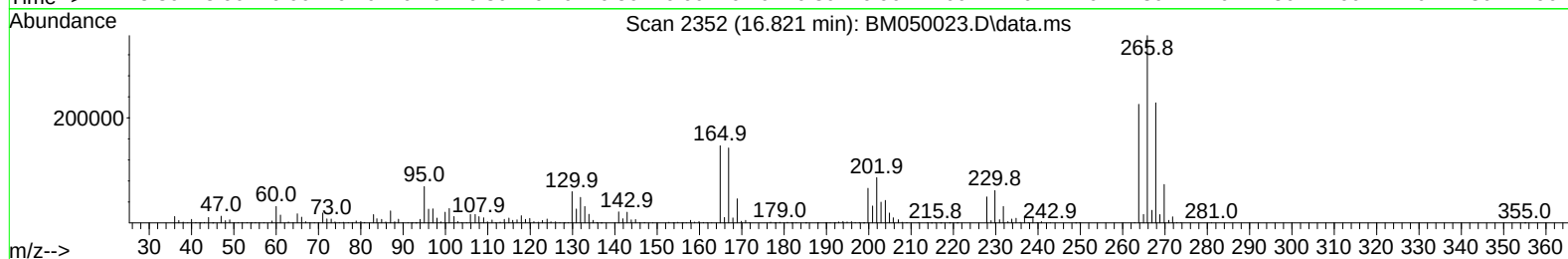
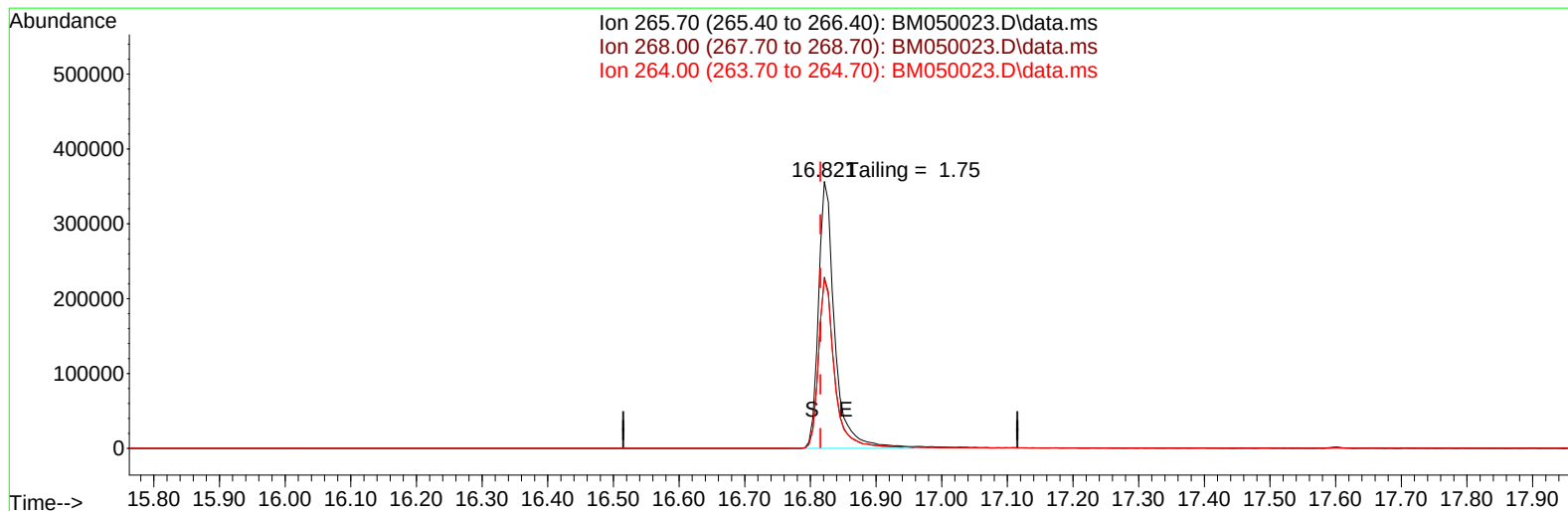
Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_M	<u>BM050023.D</u>
Compound Name	Response	Retention Time
DDT	1978095	20.639
DDD	17600	20.251
DDE	1351	19.692
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18951	1997046	0.95

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



TIC: BM050023.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 652247.26 ng

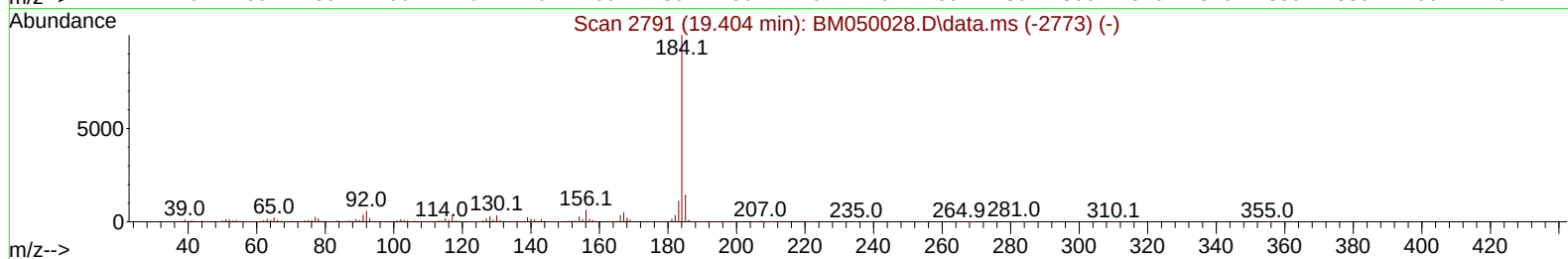
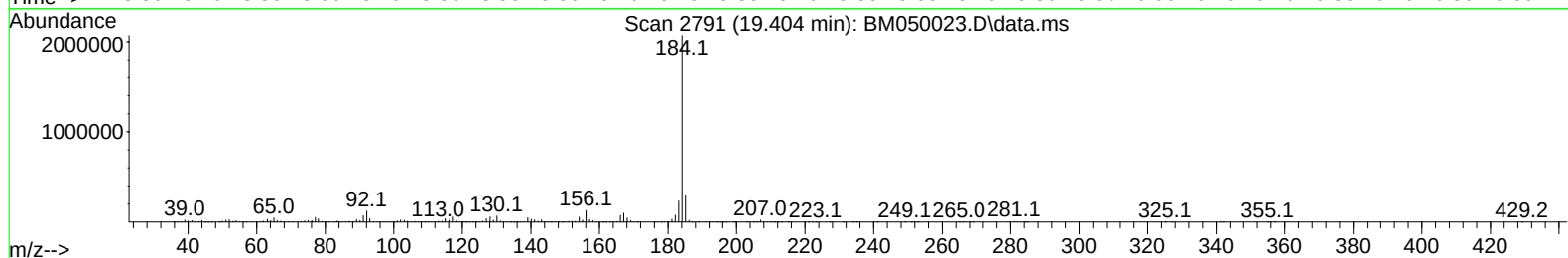
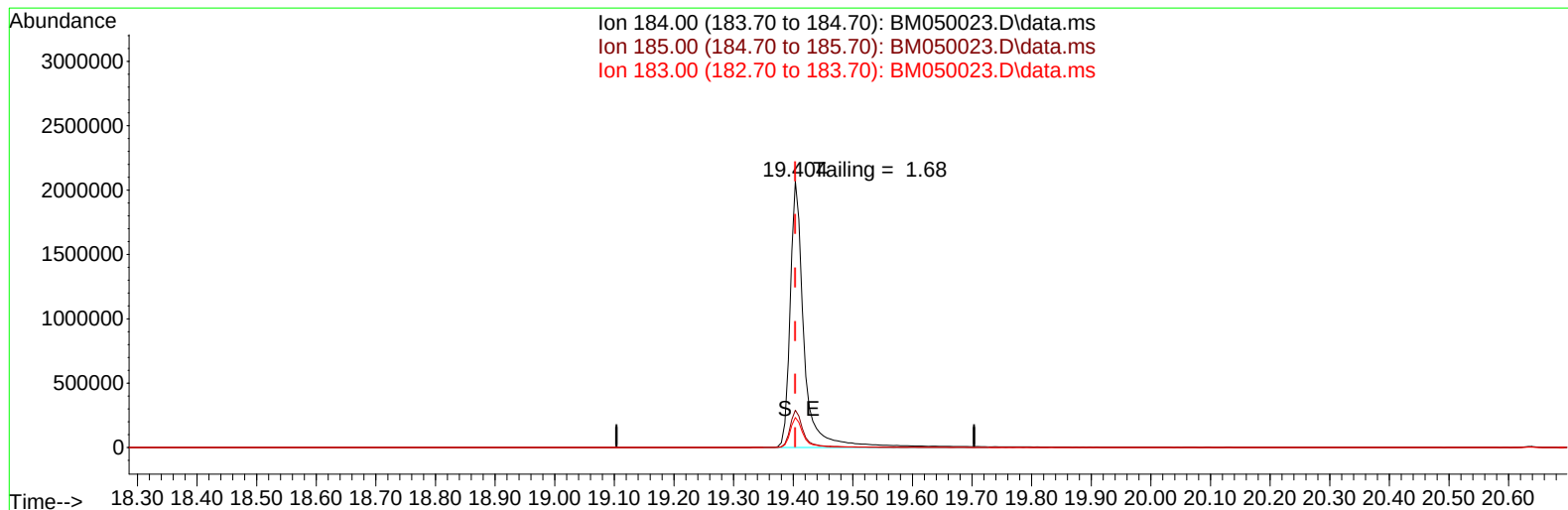
response 613835

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	64.13
264.00	62.30	63.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



TIC: BM050023.D\data.ms

(77) Benzidine

19.404min (+ 0.000) 1761877.84 ng

response 3412576

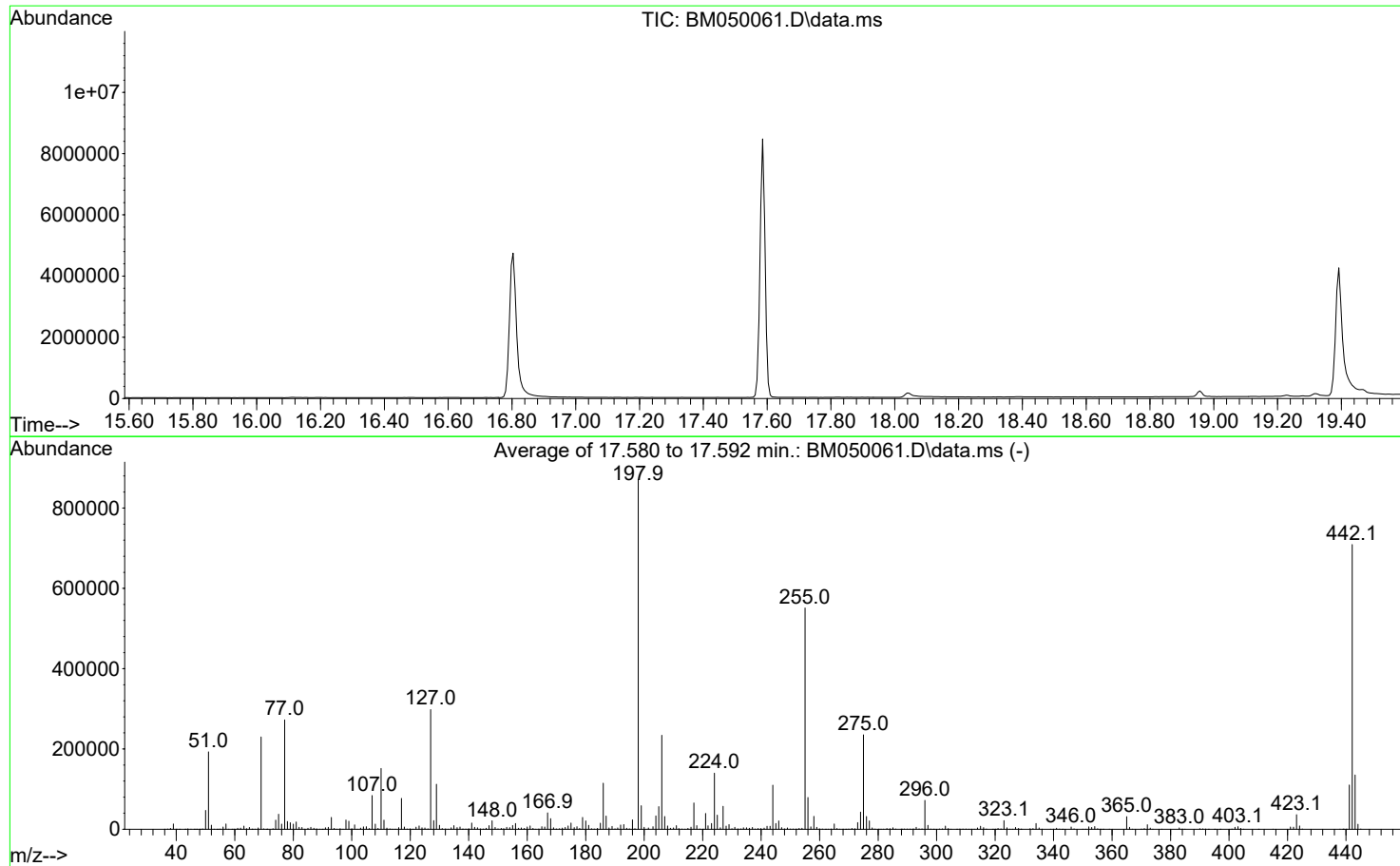
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.06
183.00	11.00	11.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
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-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.1	192815	PASS
68	69	0.00	2	1.5	3449	PASS
69	198	0.00	100	26.4	230047	PASS
70	69	0.00	2	0.4	961	PASS
127	198	10	80	34.3	298304	PASS
197	198	0.00	2	0.2	1539	PASS
198	198	100	100	100.0	870933	PASS
199	198	5	9	6.7	58768	PASS
275	198	10	60	27.0	235264	PASS
365	198	1	100	3.6	31597	PASS
441	198	0.01	100	12.6	110144	PASS
442	442	50	100	100.0	709184	PASS
443	442	15	24	19.1	135272	PASS

DDT Breakdown

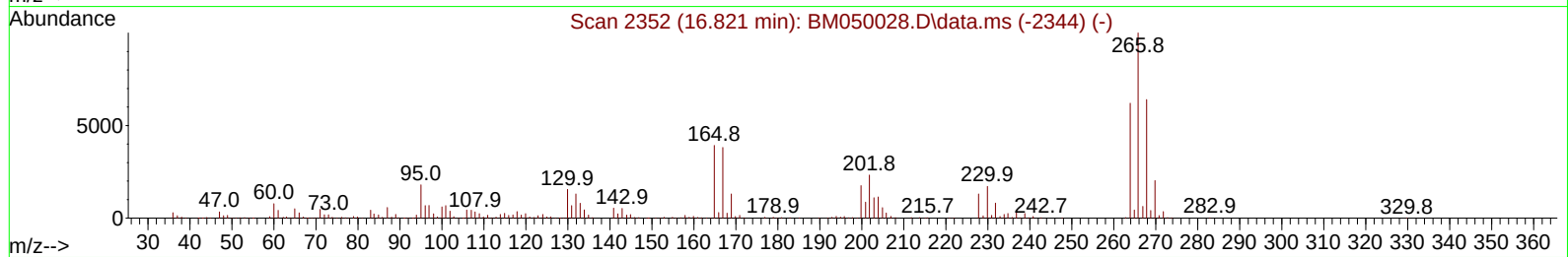
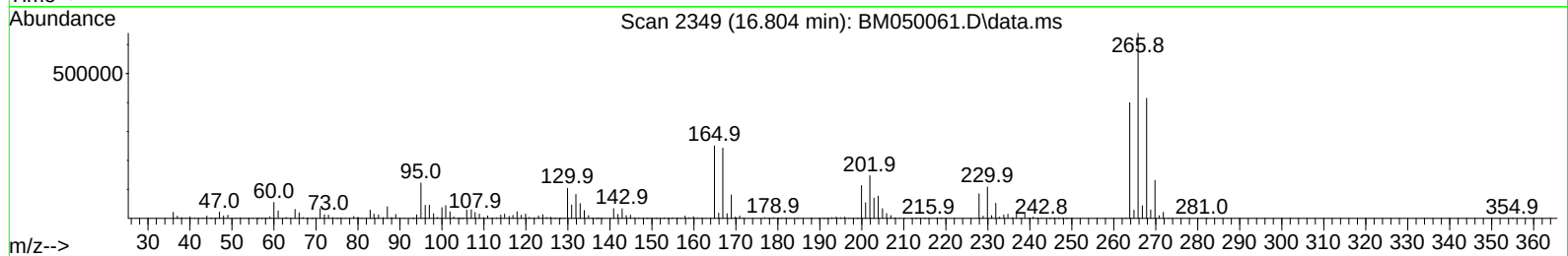
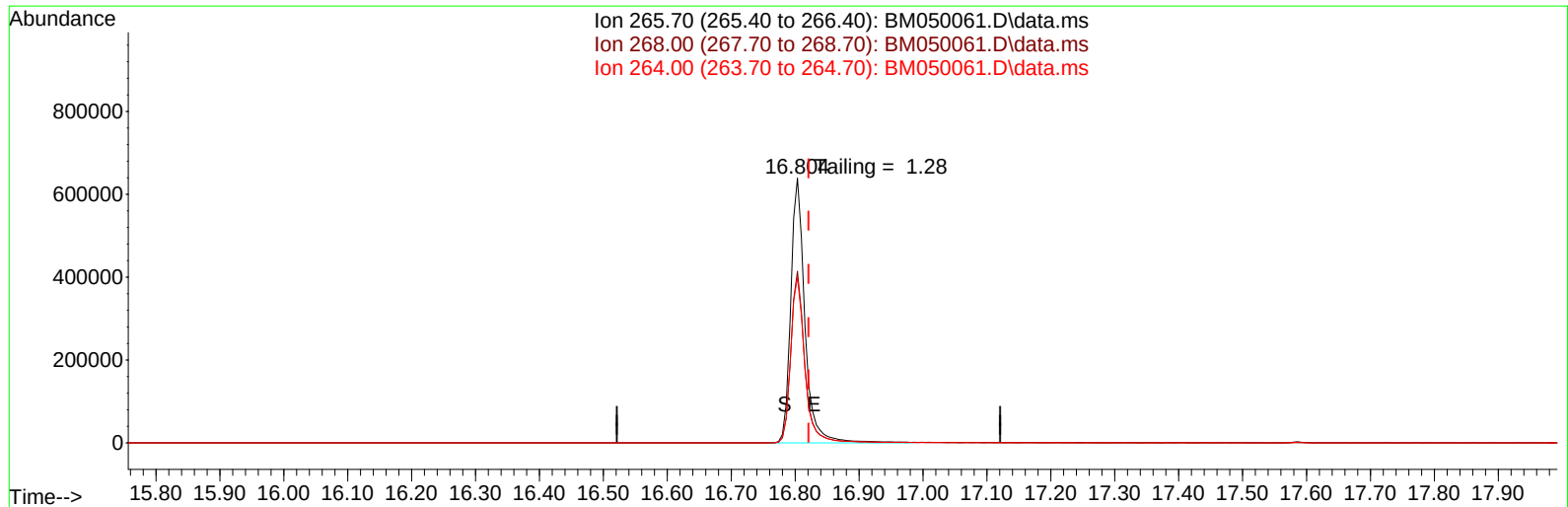
Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_M	<u>BM050061.D</u>
Compound Name	Response	Retention Time
DDT	2747273	20.621
DDD	53335	20.186
DDE	3538	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
56873	2804146	2.03

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 13:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050061.D\data.ms

(70) Pentachlorophenol (C)

16.804min (-0.017) 298828.62 ng

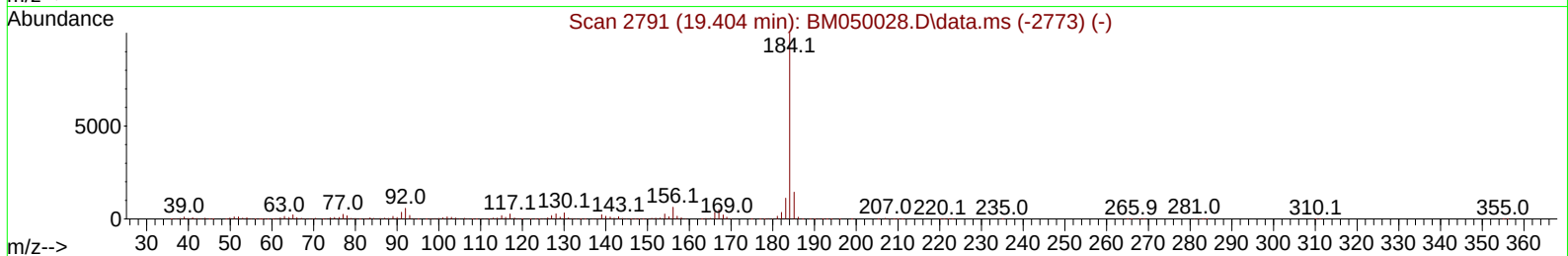
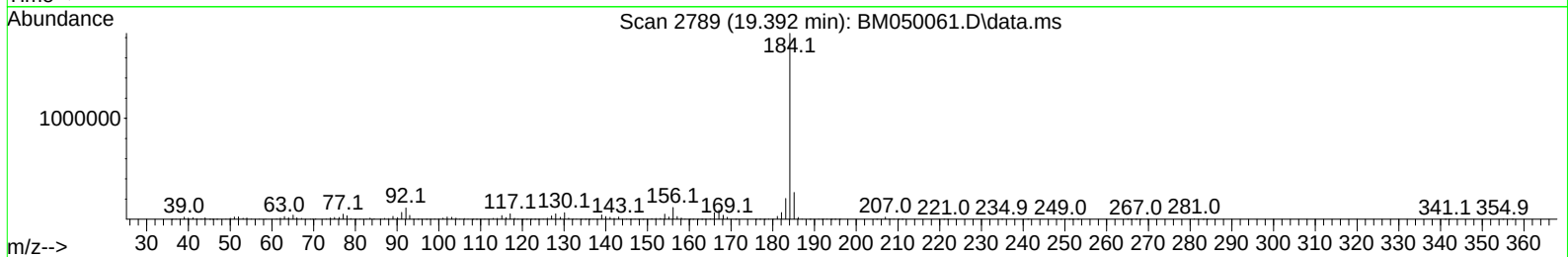
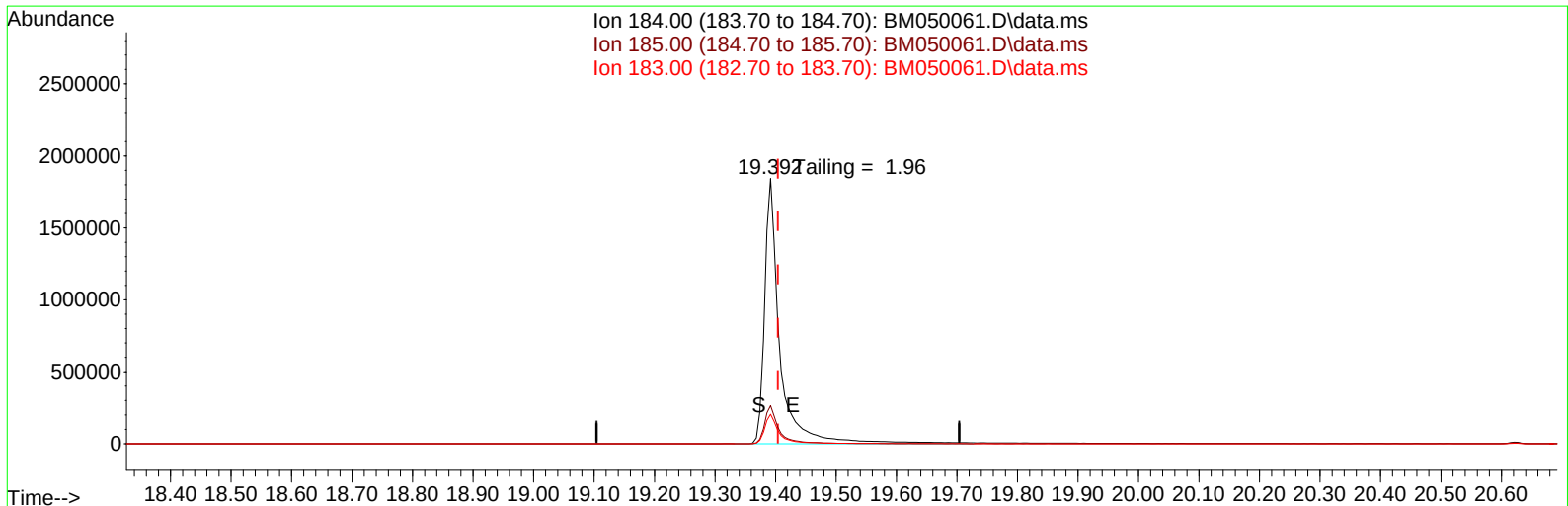
response 984778

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.86
264.00	62.00	62.48
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050061.D
Acq On : 01 May 2025 12:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 13:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050061.D\data.ms

(77) Benzidine

19.392min (-0.012) 77464.20 ng

response 3260623

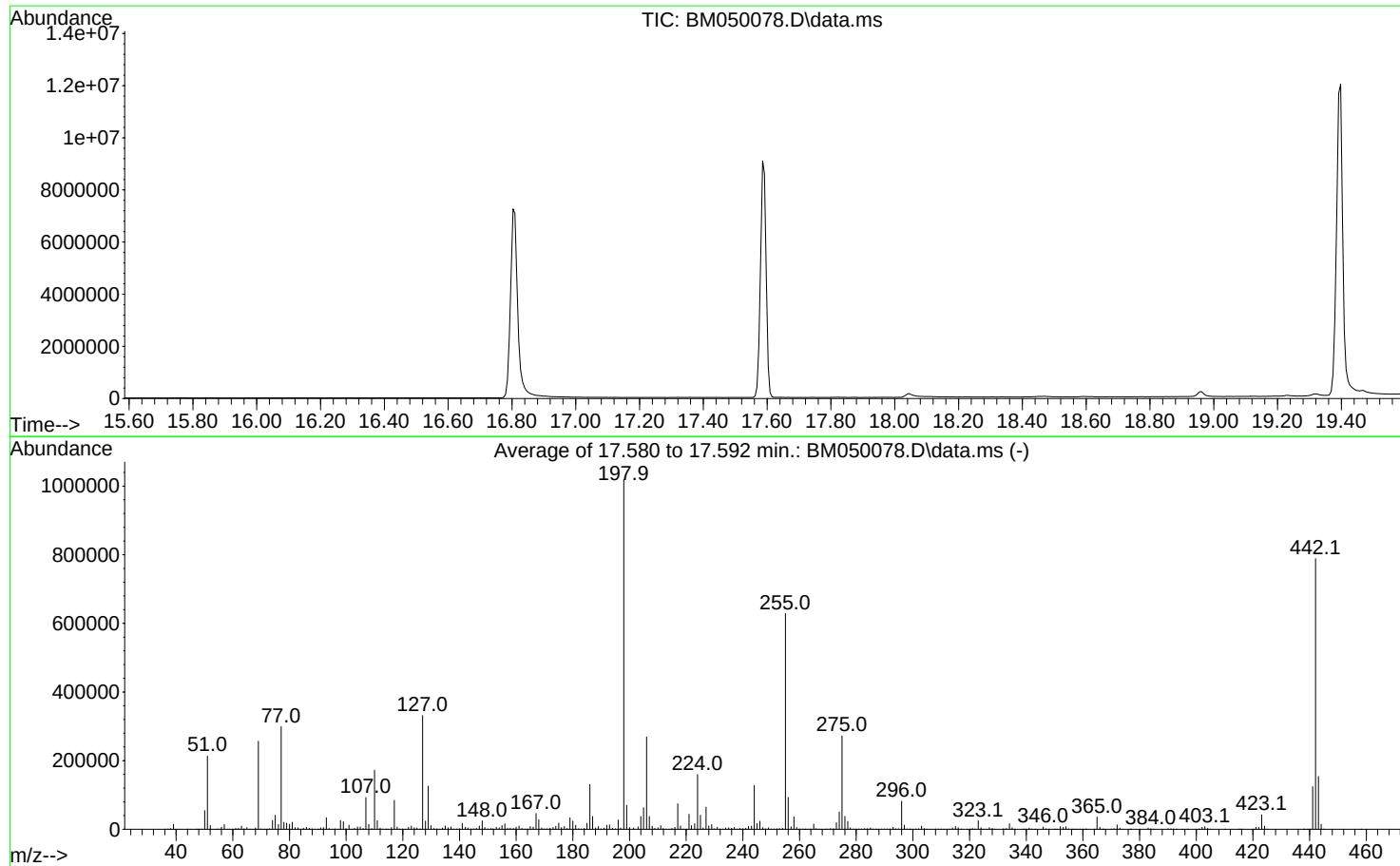
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.41
183.00	11.10	11.16
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050078.D
Acq On : 02 May 2025 09:54
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-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	20.9	213274	PASS
68	69	0.00	2	1.5	3940	PASS
69	198	0.00	100	25.2	256603	PASS
70	69	0.00	2	0.5	1404	PASS
127	198	10	80	32.5	331392	PASS
197	198	0.00	2	0.4	4038	PASS
198	198	100	100	100.0	1019051	PASS
199	198	5	9	6.9	70171	PASS
275	198	10	60	26.7	272043	PASS
365	198	1	100	3.5	35432	PASS
441	198	0.01	100	12.2	124285	PASS
442	442	50	100	100.0	788395	PASS
443	442	15	24	19.5	153928	PASS

DDT Breakdown

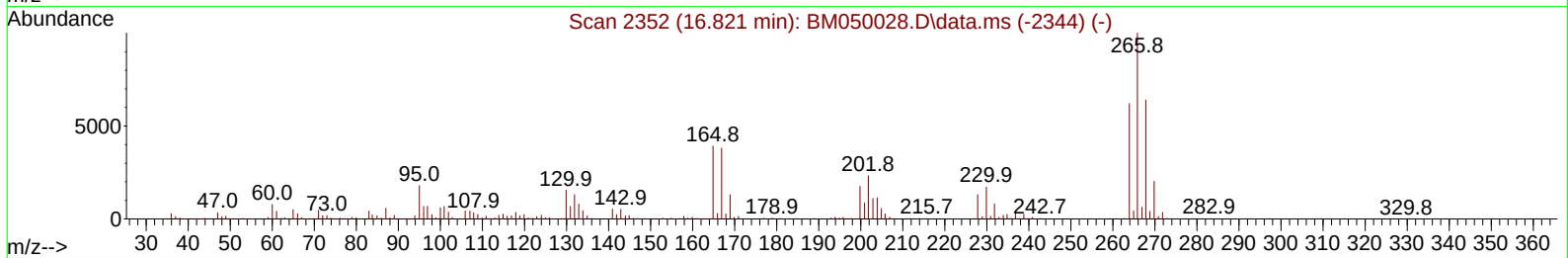
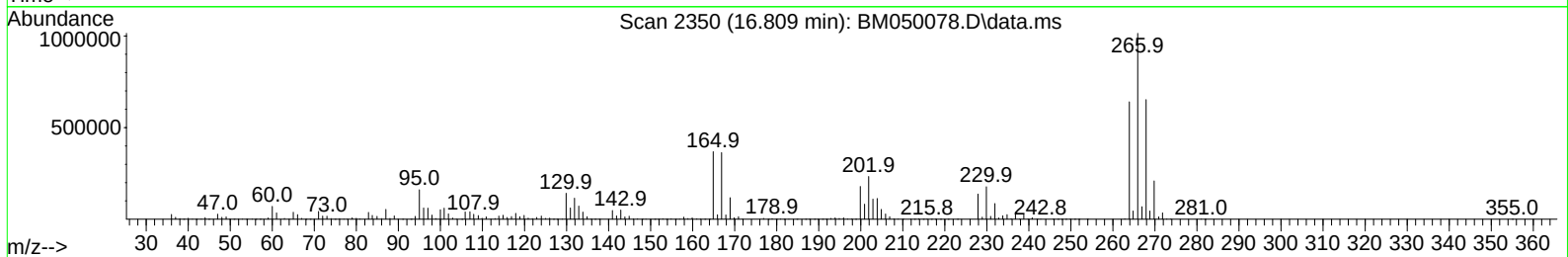
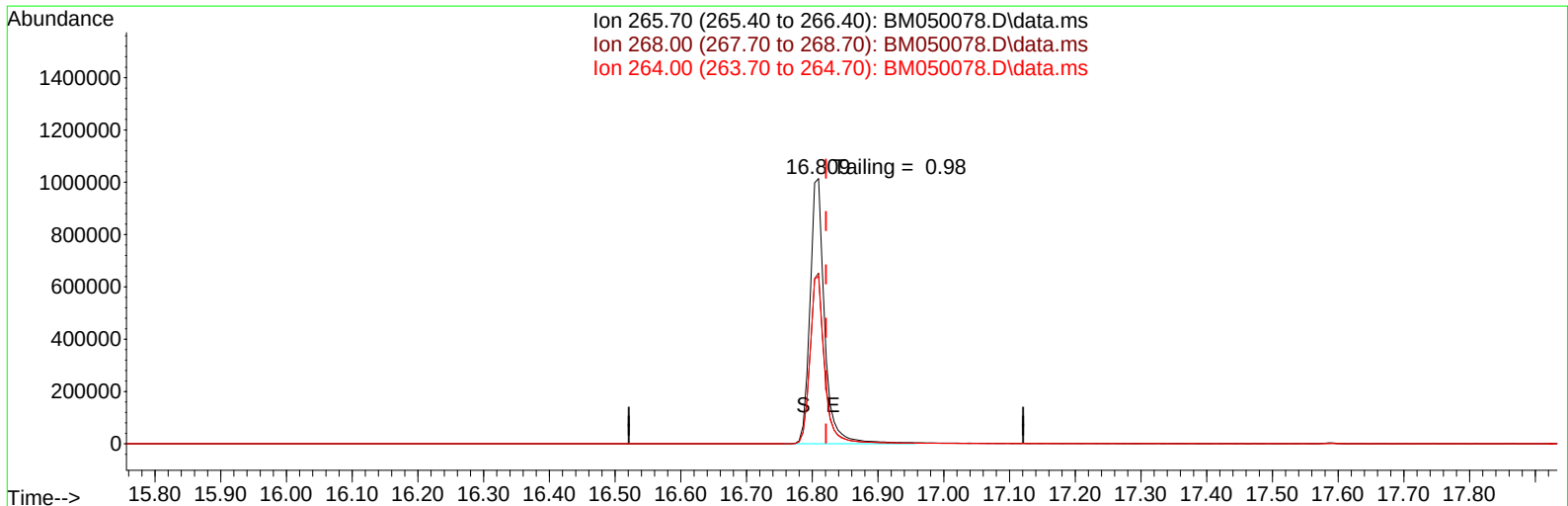
Date	Instrument Name	DFTPP Data File
5/2/2025	BNA_M	<u>BM050078.D</u>
Compound Name	Response	Retention Time
DDT	3643029	20.627
DDD	45893	20.233
DDE	2791	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
48684	3691713	1.32

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050078.D
Acq On : 02 May 2025 09:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 02 11:44:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050078.D\data.ms

(70) Pentachlorophenol (C)

16.809min (-0.012) 427399.30 ng

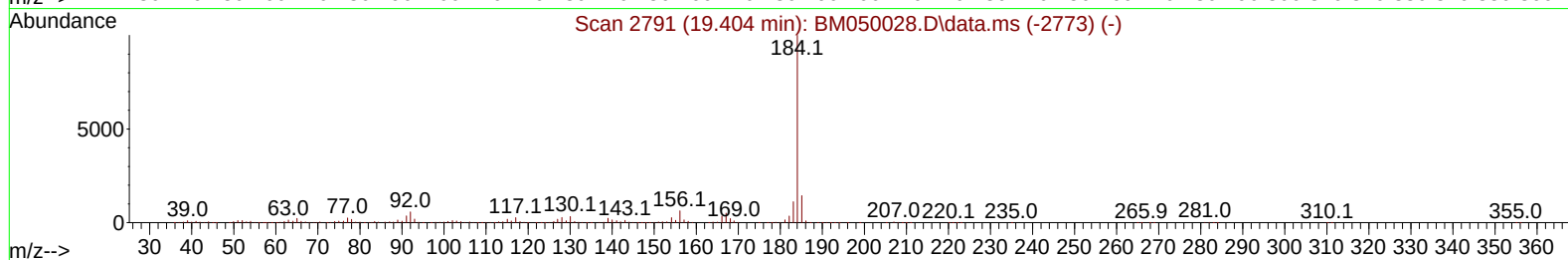
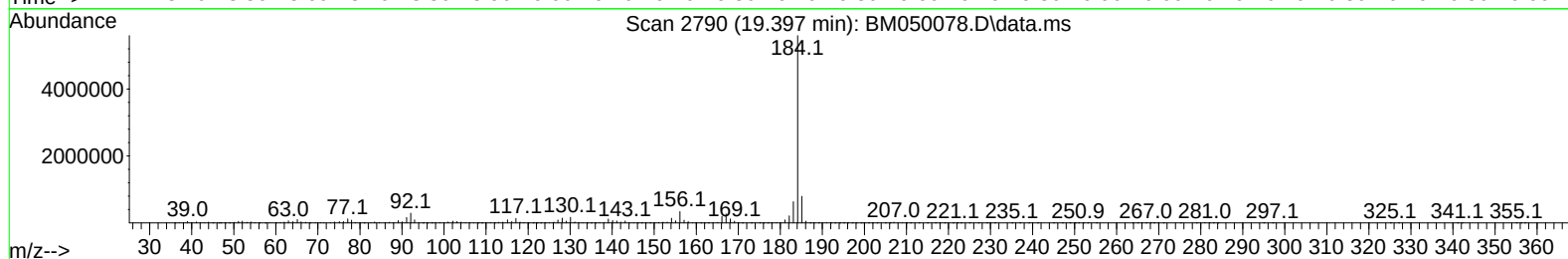
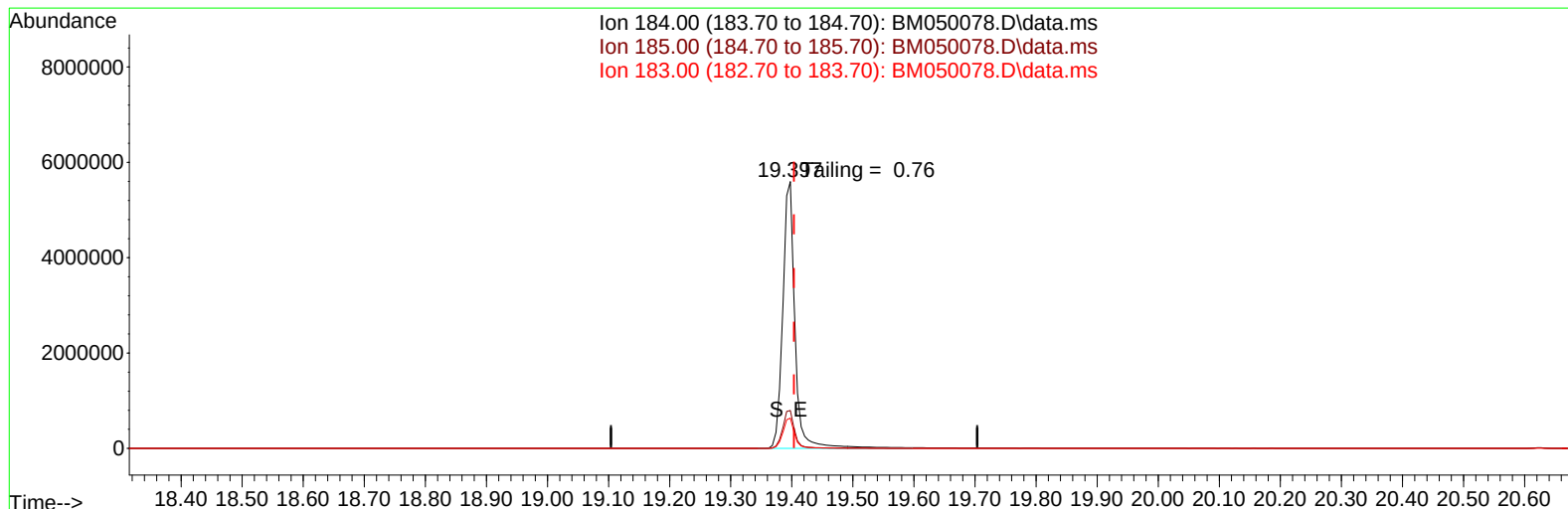
response 1566093

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.32
264.00	62.00	63.17
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050078.D
Acq On : 02 May 2025 09:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 02 11:44:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050078.D\data.ms

(77) Benzidine

19.397min (-0.007) 114069.32 ng

response 7848374

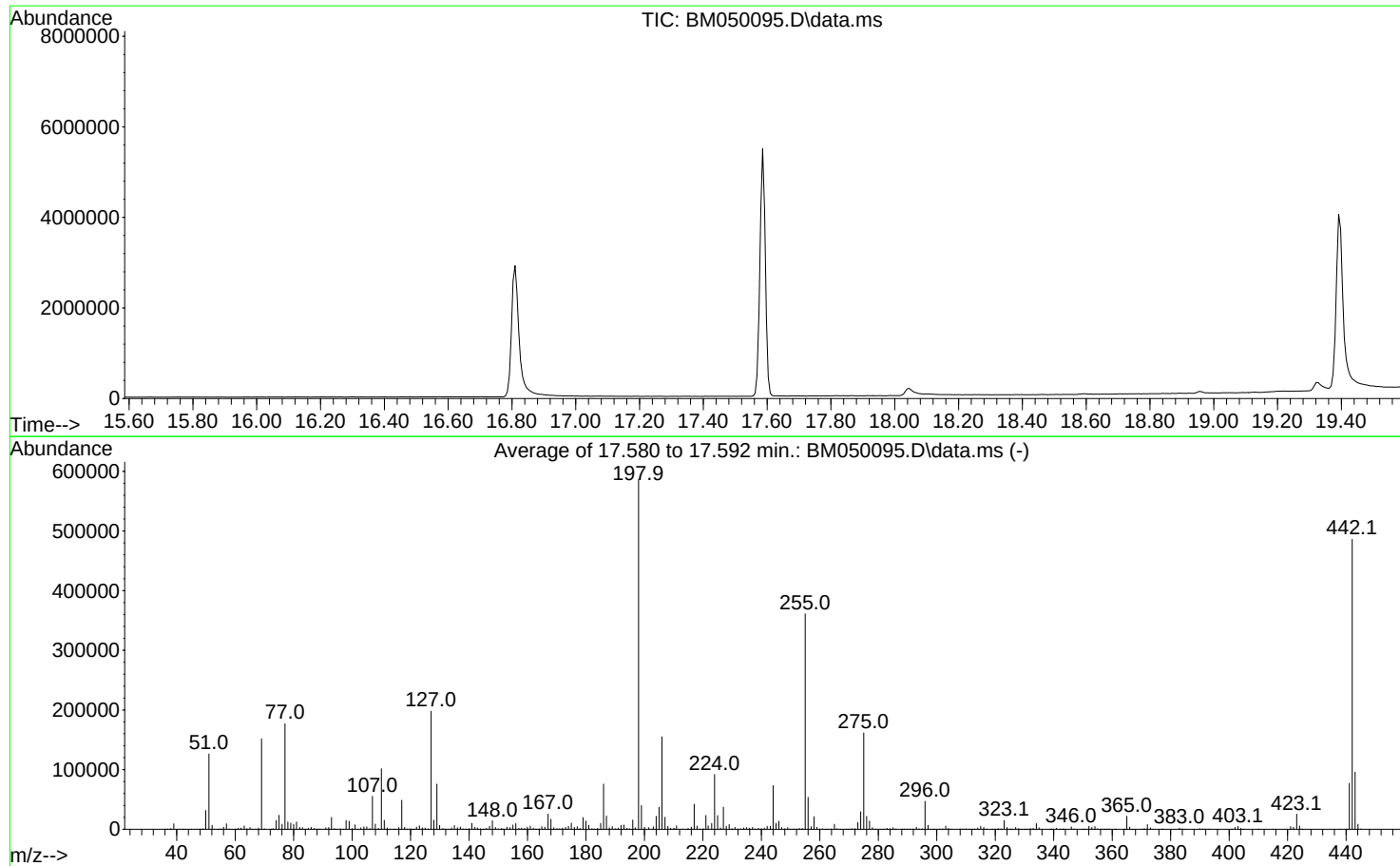
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.21
183.00	11.10	11.35
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
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-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	21.5	126193	PASS
68	69	0.00	2	1.4	2128	PASS
69	198	0.00	100	25.9	151749	PASS
70	69	0.00	2	0.5	753	PASS
127	198	10	80	33.8	197867	PASS
197	198	0.00	2	0.4	2535	PASS
198	198	100	100	100.0	586155	PASS
199	198	5	9	6.8	39909	PASS
275	198	10	60	27.5	161365	PASS
365	198	1	100	3.8	21988	PASS
441	198	0.01	100	13.2	77099	PASS
442	442	50	100	100.0	485995	PASS
443	442	15	24	19.7	95787	PASS

DDT Breakdown

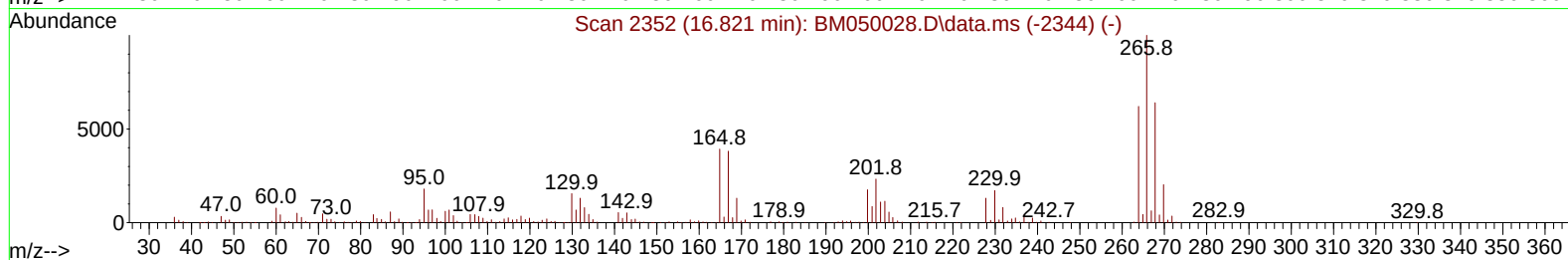
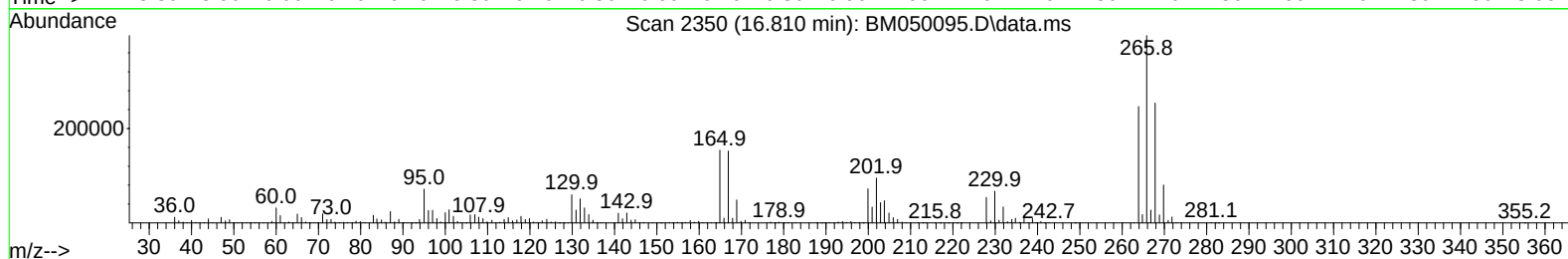
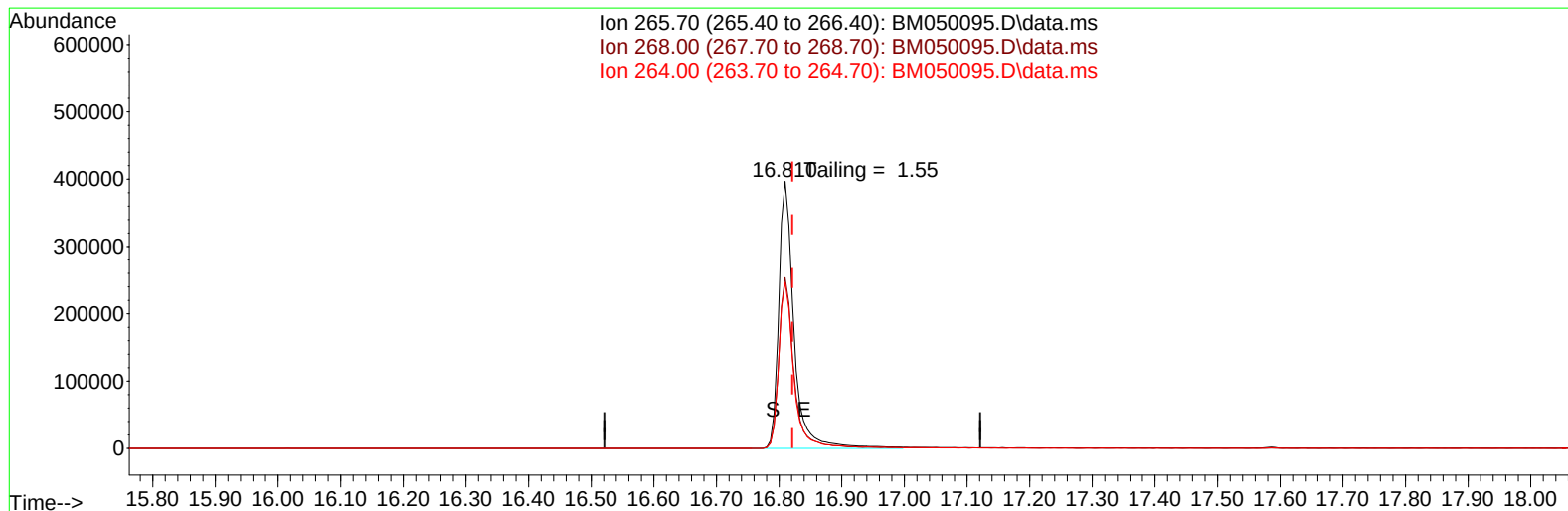
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_M	<u>BM050095.D</u>
Compound Name	Response	Retention Time
DDT	1857543	20.627
DDD	41765	20.192
DDE	2860	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
44625	1902168	2.35

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 05 12:15:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050095.D\data.ms

(70) Pentachlorophenol (C)

16.810min (-0.011) 1373115.00 ng

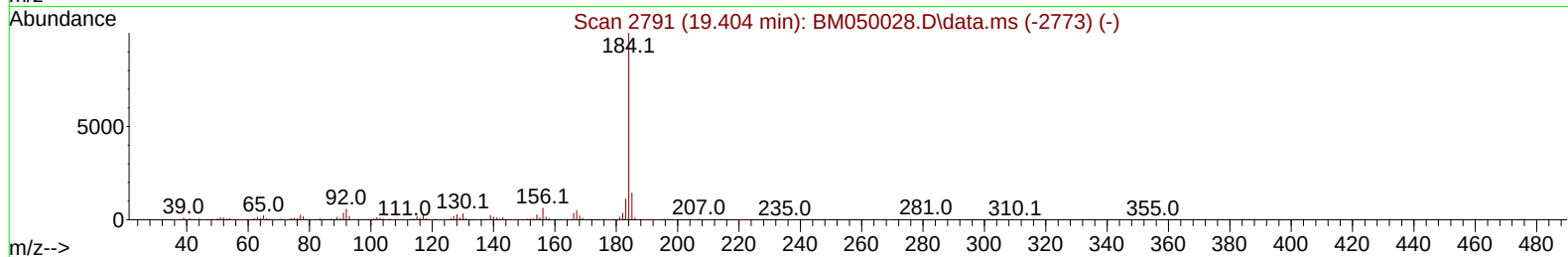
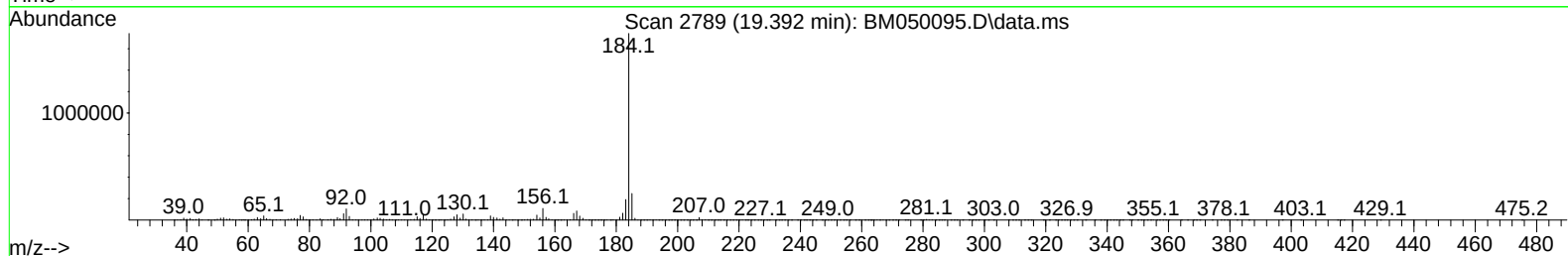
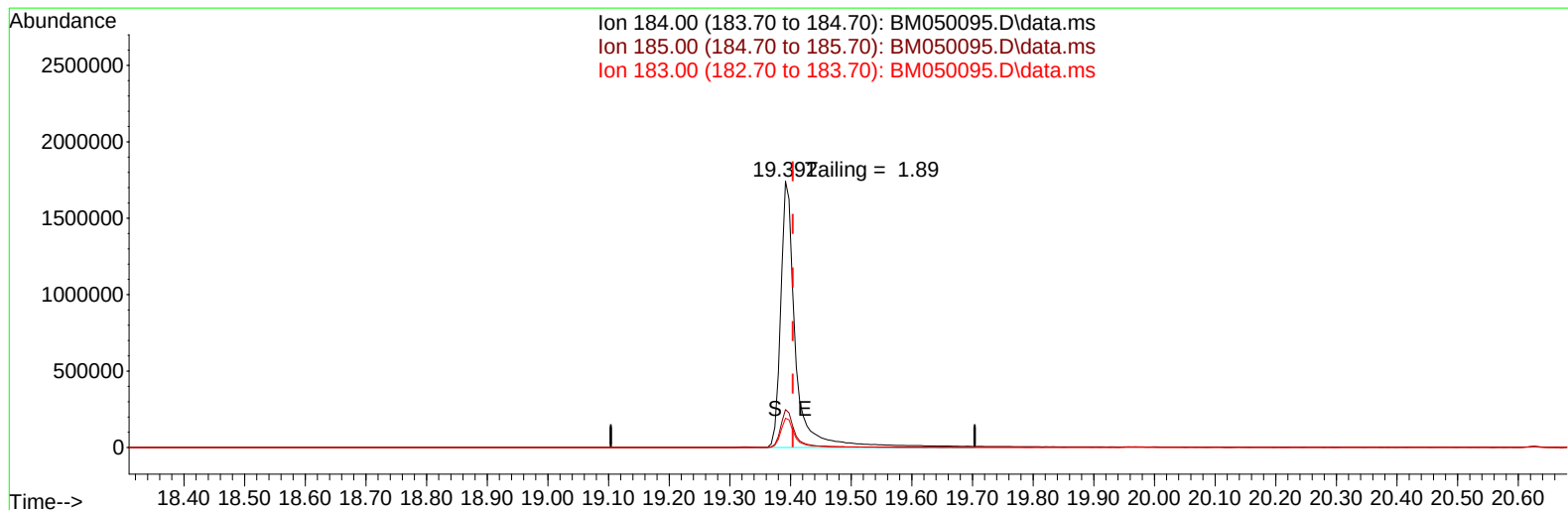
response 678757

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.04
264.00	62.00	62.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 05 12:15:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050095.D\data.ms

(77) Benzidine

19.392min (-0.012) 74251.17 ng

response 2996145

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.25
183.00	11.10	11.02
0.00	0.00	0.00

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1907
Lab Sample ID:	PB167803BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050080.D	1	04/30/25 11:00	05/02/25 11:13	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1907
Lab Sample ID:	PB167803BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050080.D	1	04/30/25 11:00	05/02/25 11:13	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1907
Lab Sample ID:	PB167803BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050080.D	1	04/30/25 11:00	05/02/25 11:13	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	145		18 - 112	97%	SPK: 150
13127-88-3	Phenol-d6	139		15 - 107	93%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.9		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.7		20 - 109	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		10 - 116	95%	SPK: 150
1718-51-0	Terphenyl-d14	96.4		10 - 105	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	227000	7.751			
1146-65-2	Naphthalene-d8	771000	10.545			
15067-26-2	Acenaphthene-d10	506000	14.398			
1517-22-2	Phenanthrene-d10	1030000	17.145			
1719-03-5	Chrysene-d12	950000	21.386			
1520-96-3	Perylene-d12	1030000	24.374			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	290	A		4.87	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1907
Lab Sample ID:	PB167803BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050080.D	1	04/30/25 11:00	05/02/25 11:13	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

Quant Time: May 02 12:13:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	227359	20.000	ng	-0.02
21) Naphthalene-d8	10.545	136	771197	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	505614	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1028817	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	949846	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1027399	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1888957	145.484	ng	-0.01
7) Phenol-d6	6.934	99	2274901	139.400	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1344435	85.904	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1060240	141.816	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	3535203	82.713	ng	-0.02
79) Terphenyl-d14	19.768	244	6190324	96.438	ng	-0.01

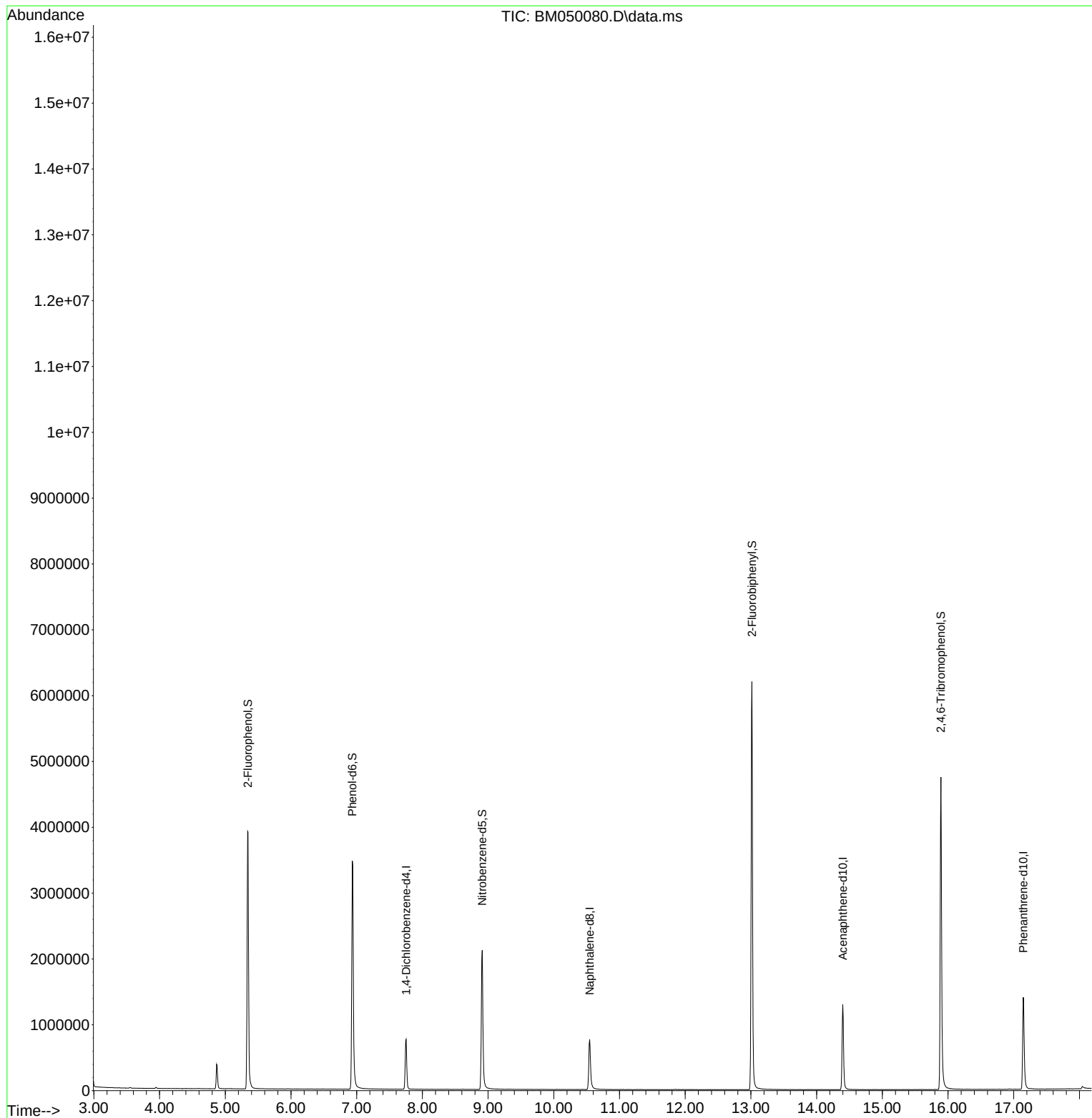
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

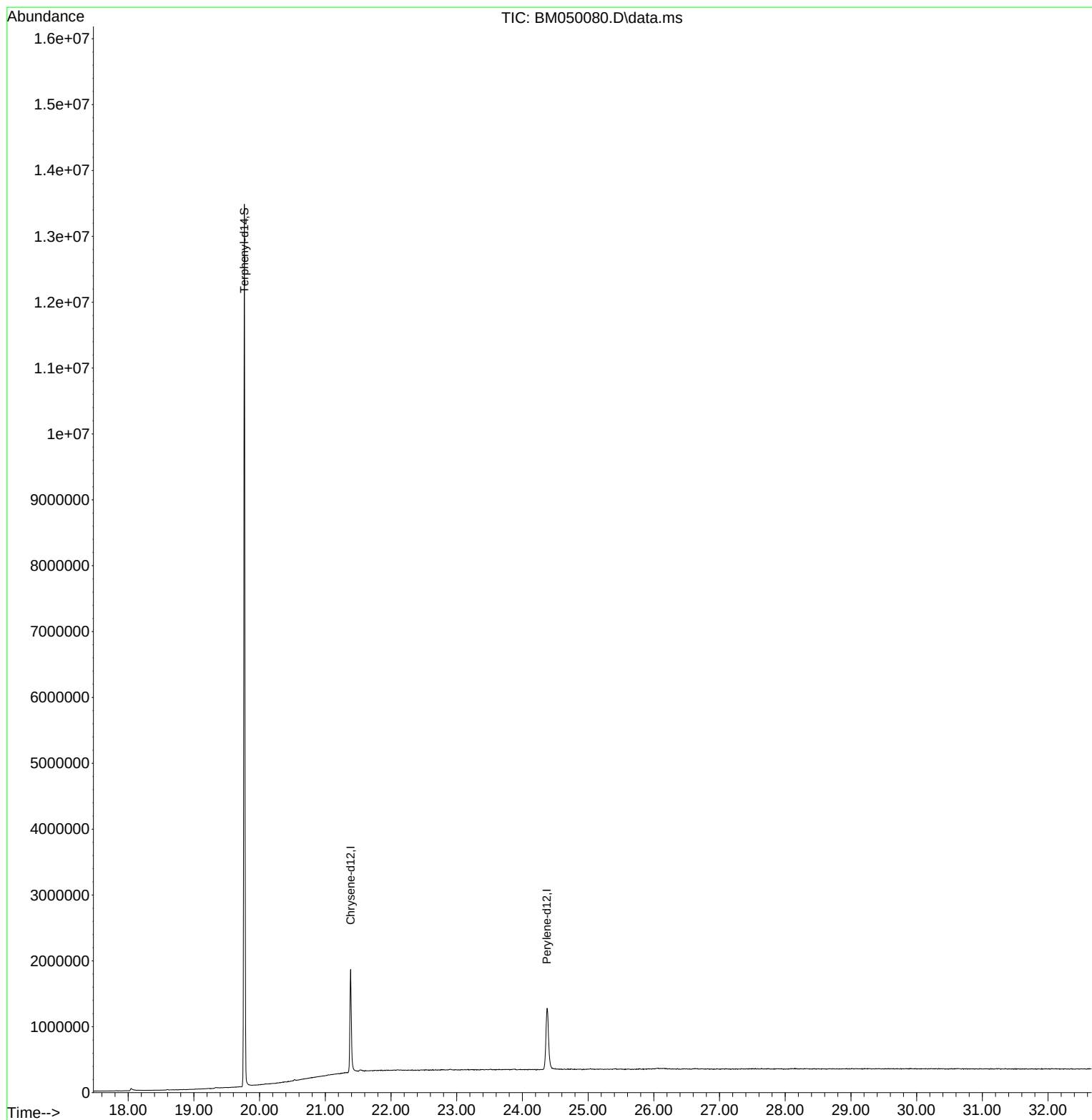
Quant Time: May 02 12:13:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

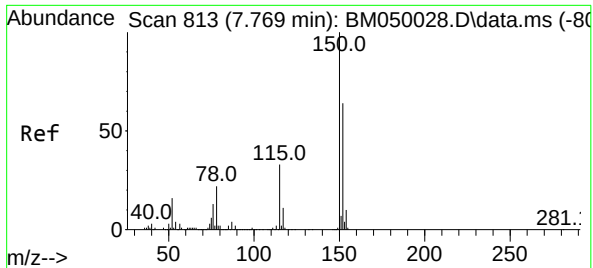


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

Quant Time: May 02 12:13:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

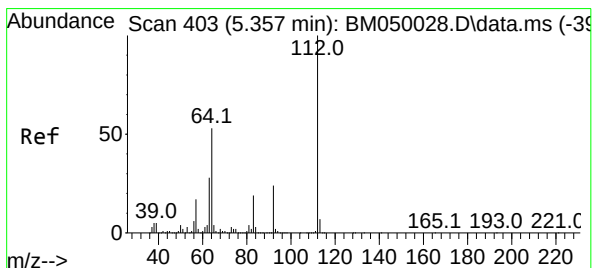
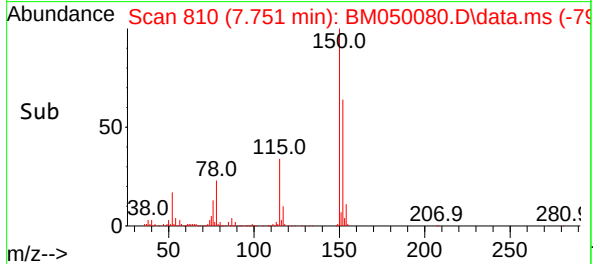
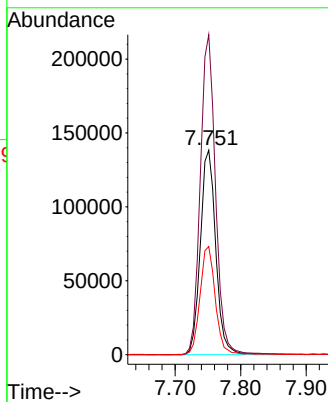
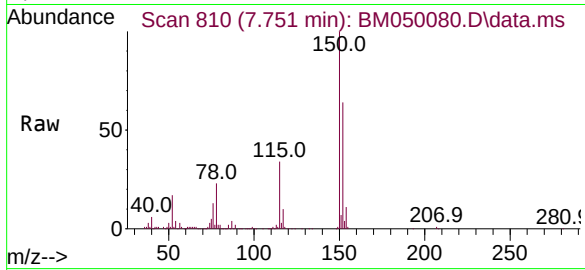




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

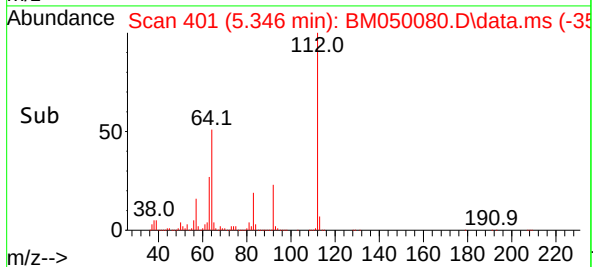
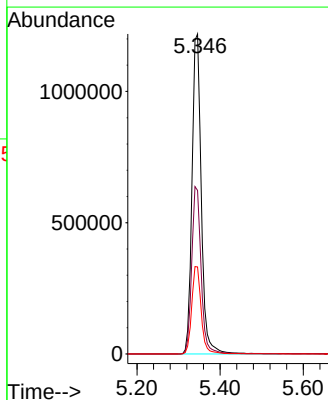
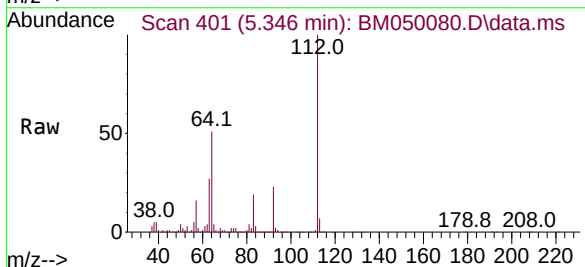
Instrument :
BNA_M
ClientSampleId :
PB167803BL

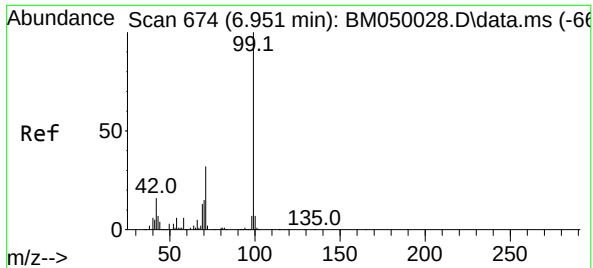
Tgt Ion:152 Resp: 227359
Ion Ratio Lower Upper
152 100
150 156.5 124.1 186.1
115 52.9 41.2 61.8



#5
2-Fluorophenol
Concen: 145.484 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion:112 Resp: 1888957
Ion Ratio Lower Upper
112 100
64 51.1 42.6 64.0
63 27.2 22.2 33.4

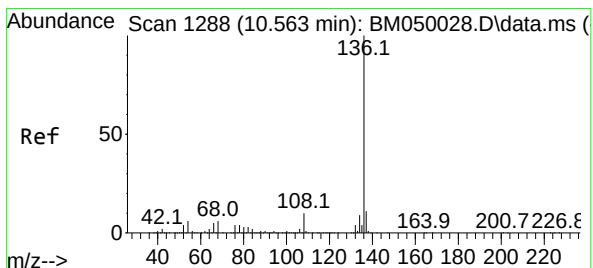
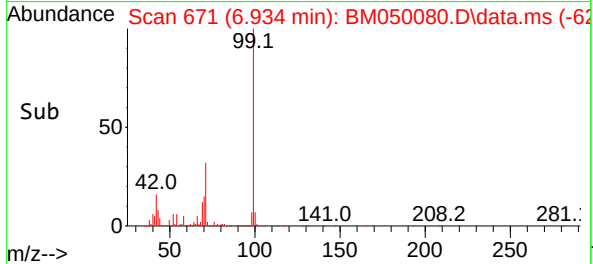
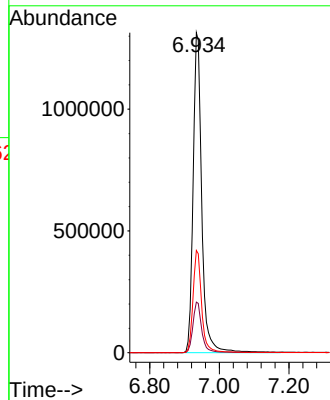
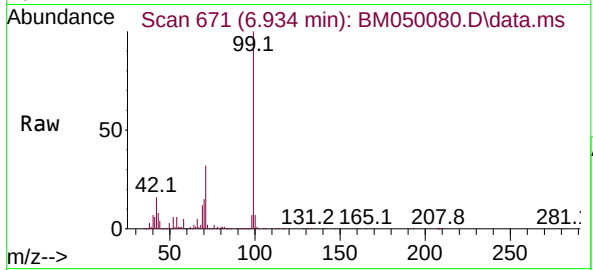




#7
Phenol-d6
Concen: 139.400 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

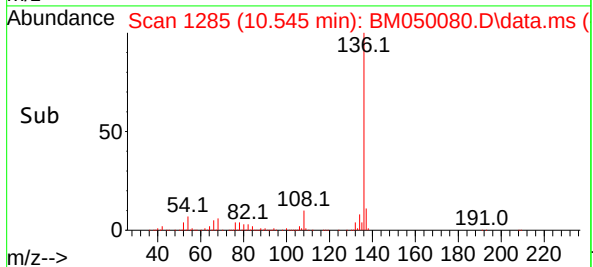
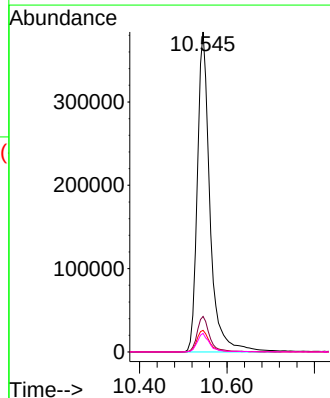
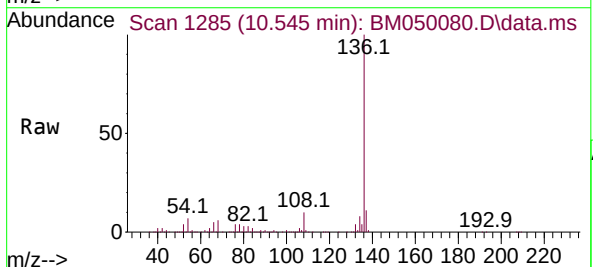
Instrument :
BNA_M
ClientSampleId :
PB167803BL

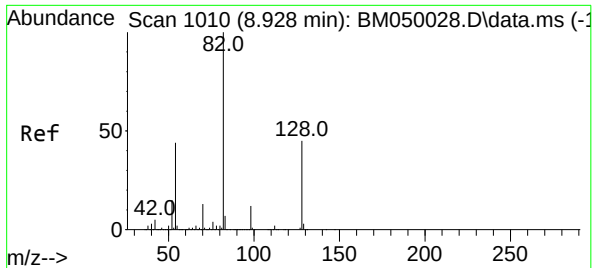
Tgt Ion: 99 Resp: 2274901
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion: 136 Resp: 771197
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.8 5.1 7.7
68 5.8 4.4 6.6

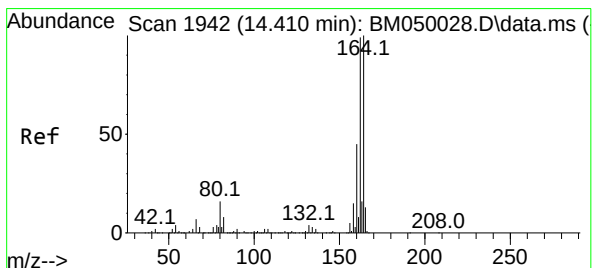
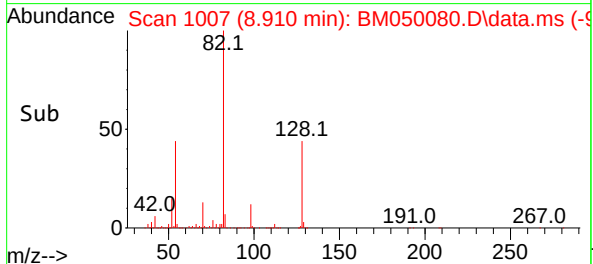
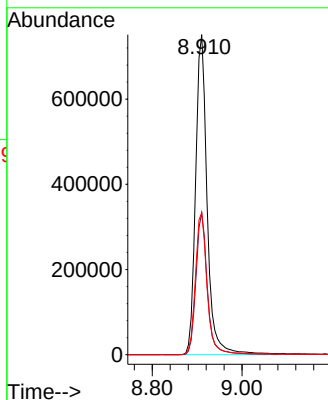
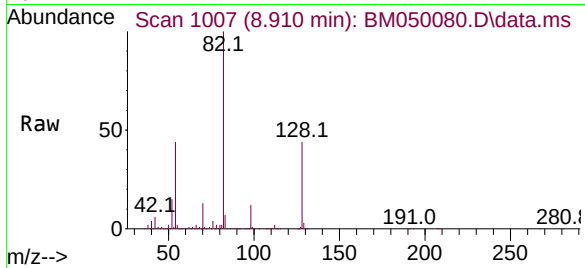




#23
Nitrobenzene-d5
Concen: 85.904 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

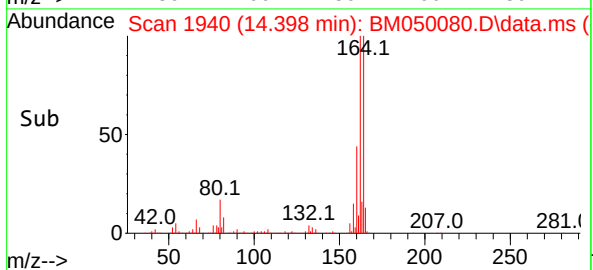
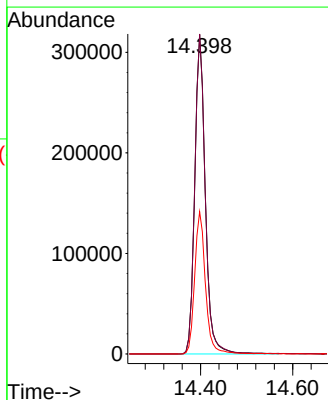
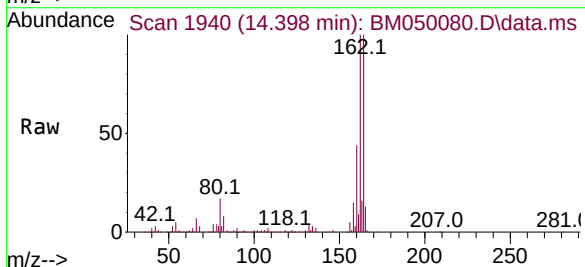
Instrument :
BNA_M
ClientSampleId :
PB167803BL

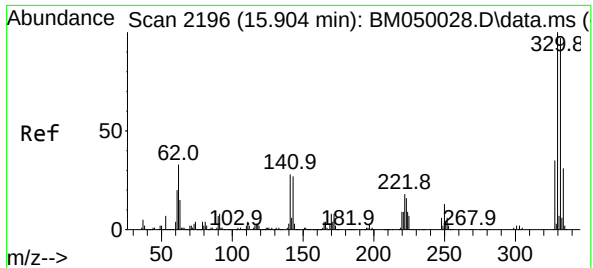
Tgt Ion: 82 Resp: 1344435
Ion Ratio Lower Upper
82 100
128 44.3 35.7 53.5
54 44.4 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion:164 Resp: 505614
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 44.5 36.2 54.4

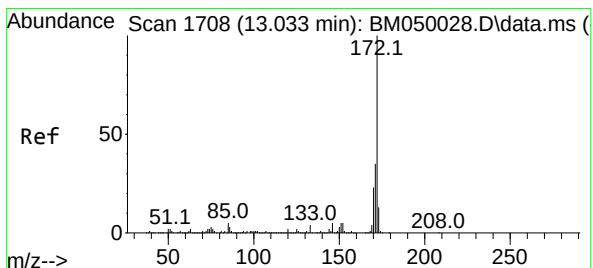
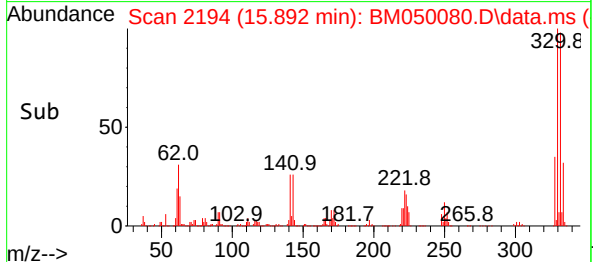
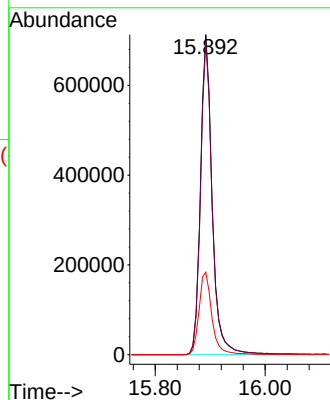
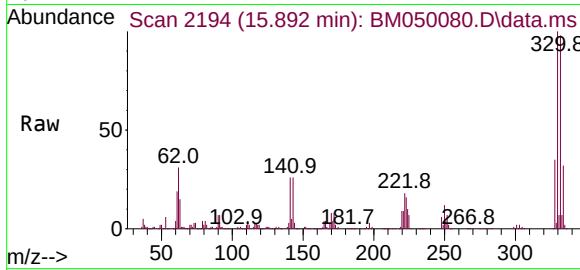




#42
2,4,6-Tribromophenol
Concen: 141.816 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

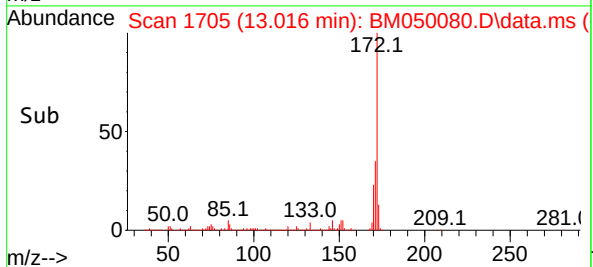
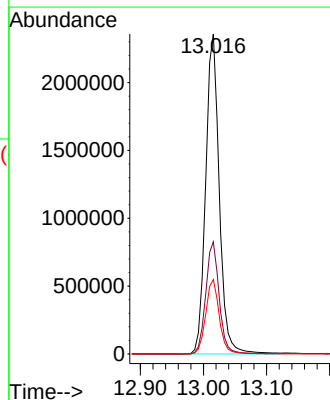
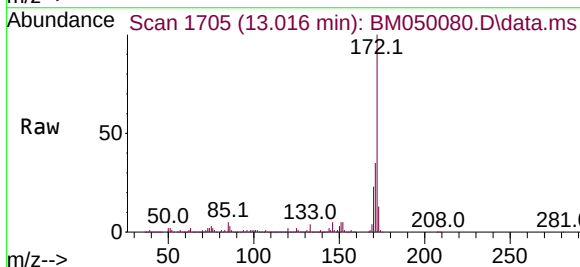
Instrument :
BNA_M
ClientSampleId :
PB167803BL

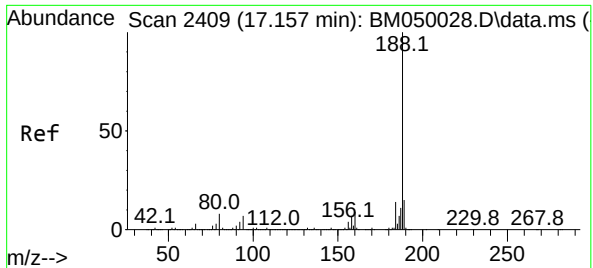
Tgt Ion:330 Resp: 1060240
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 28.3 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 82.713 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion:172 Resp: 3535203
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 23.3 18.6 28.0

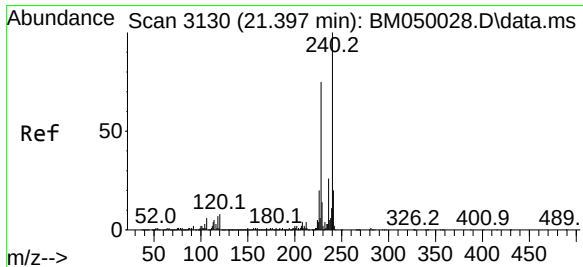
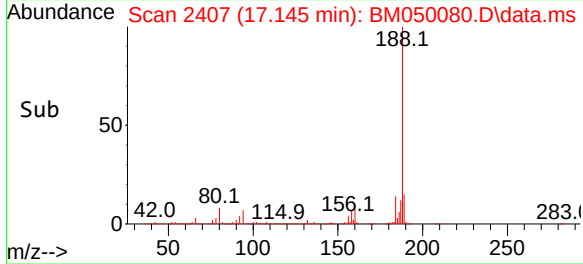
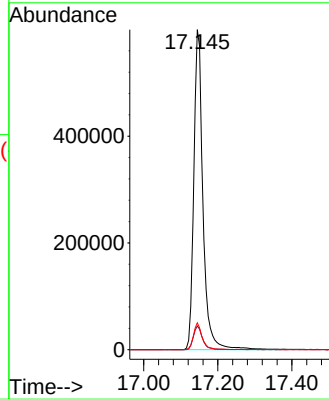
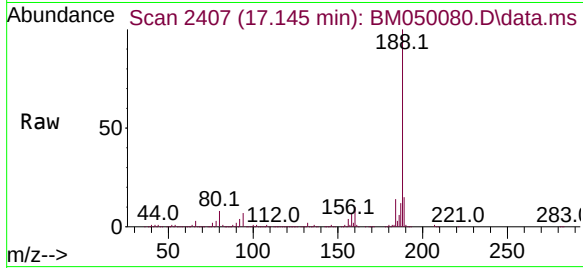




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

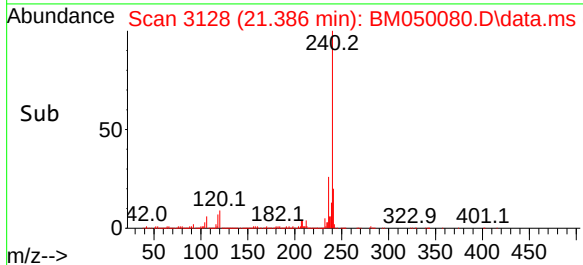
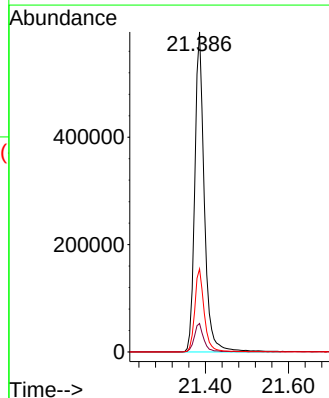
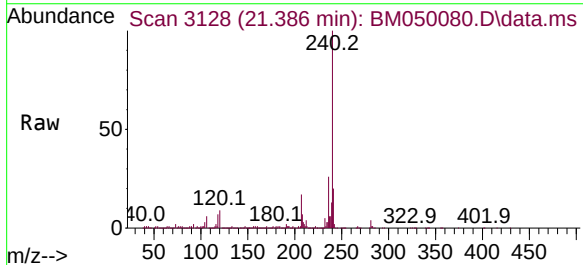
Instrument :
BNA_M
ClientSampleId :
PB167803BL

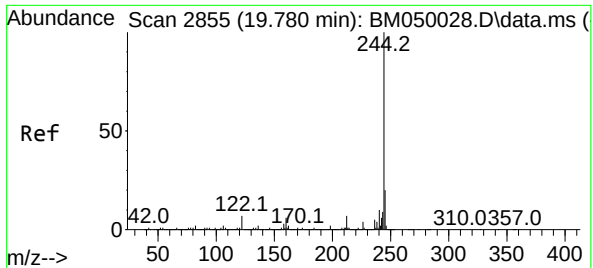
Tgt Ion:188 Resp: 1028817
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.4 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion:240 Resp: 949846
Ion Ratio Lower Upper
240 100
120 8.9 6.5 9.7
236 26.0 20.9 31.3

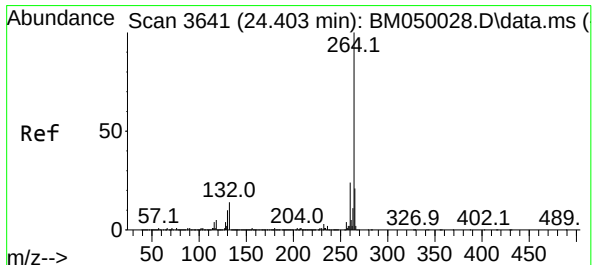
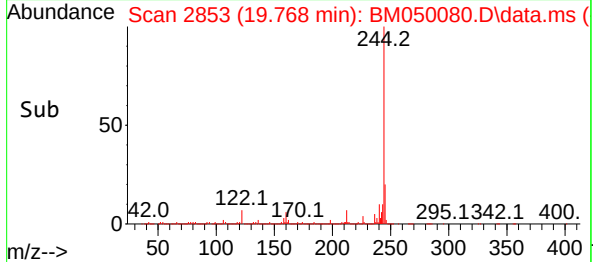
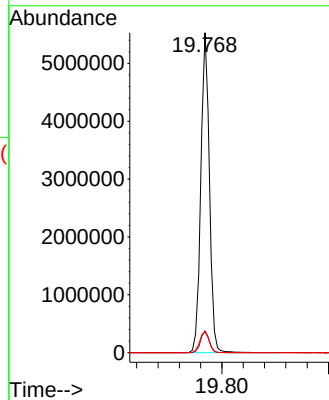
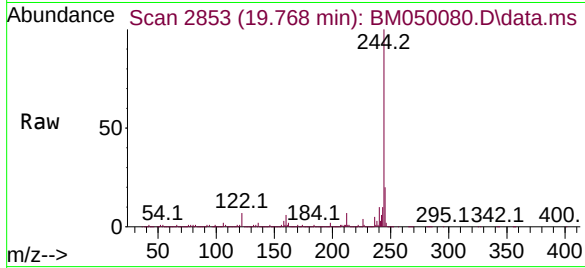




#79
Terphenyl-d14
Concen: 96.438 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

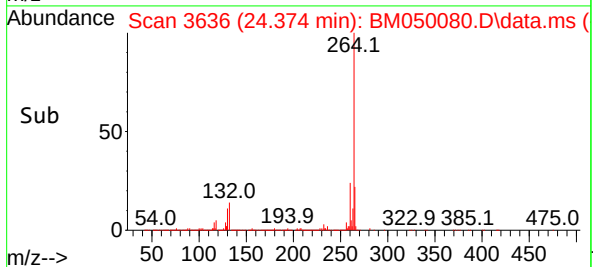
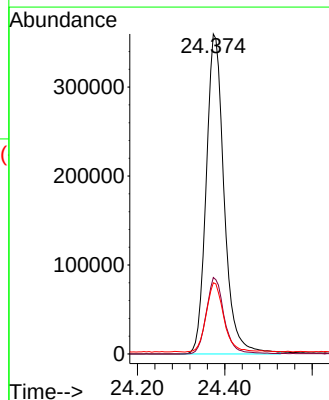
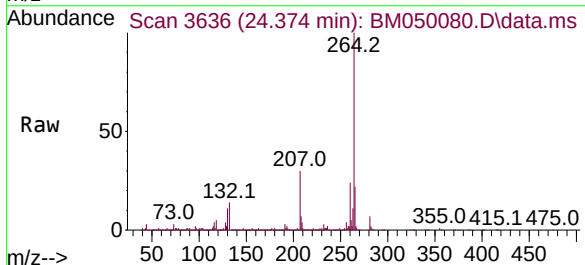
Instrument :
BNA_M
ClientSampleId :
PB167803BL

Tgt Ion:244 Resp: 6190324
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.6 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Tgt Ion:264 Resp: 1027399
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.2 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050080.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	315	320	332	rBV	369033	531754	3.46%	0.871%
2	5.340	394	400	422	rBV	3909791	6142316	39.97%	10.066%
3	6.934	664	671	687	rBV	3466104	6033789	39.26%	9.889%
4	7.751	803	810	822	rVB	753316	1225113	7.97%	2.008%
5	8.910	998	1007	1025	rBV	2113730	3781448	24.61%	6.197%
6	10.545	1277	1285	1298	rBV	757813	1508571	9.82%	2.472%
7	13.016	1698	1705	1732	rBV	6196782	9511252	61.89%	15.588%
8	14.398	1934	1940	1957	rBV	1288916	2054919	13.37%	3.368%
9	15.892	2187	2194	2218	rBV	4744123	7395354	48.12%	12.120%
10	17.145	2400	2407	2425	rBV	1396869	2386463	15.53%	3.911%
11	19.768	2847	2853	2867	rBV	13397621	15367726	100.00%	25.186%
12	21.386	3122	3128	3141	rBV	1560296	2530524	16.47%	4.147%
13	24.374	3629	3636	3651	rVB	914733	2548876	16.59%	4.177%

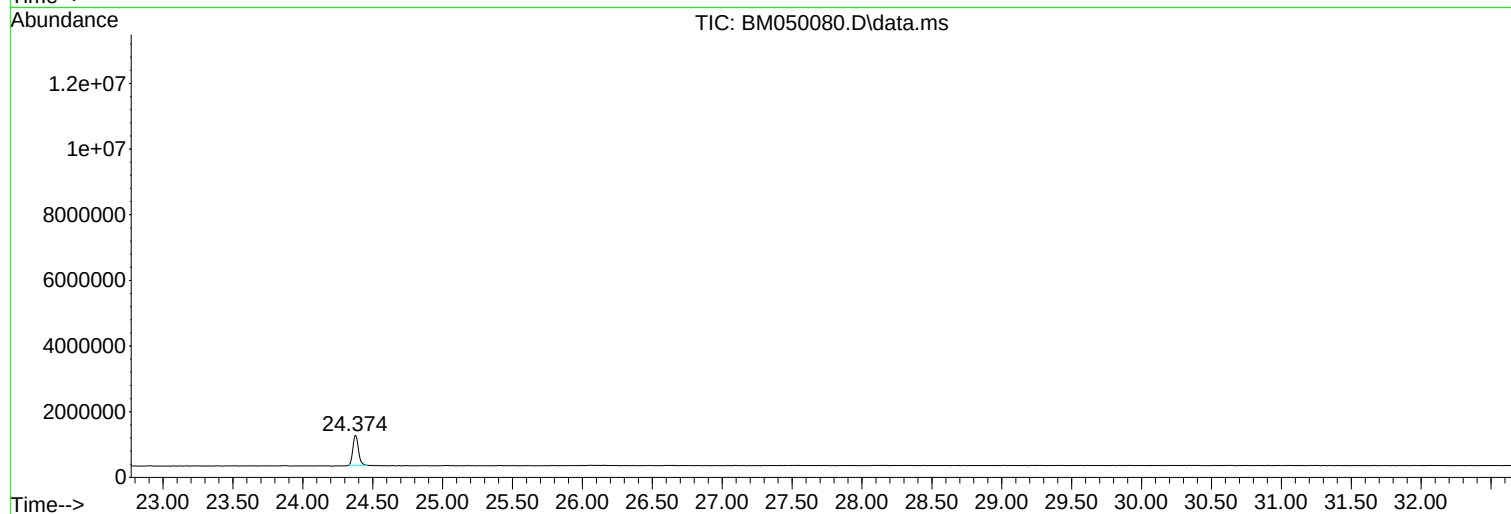
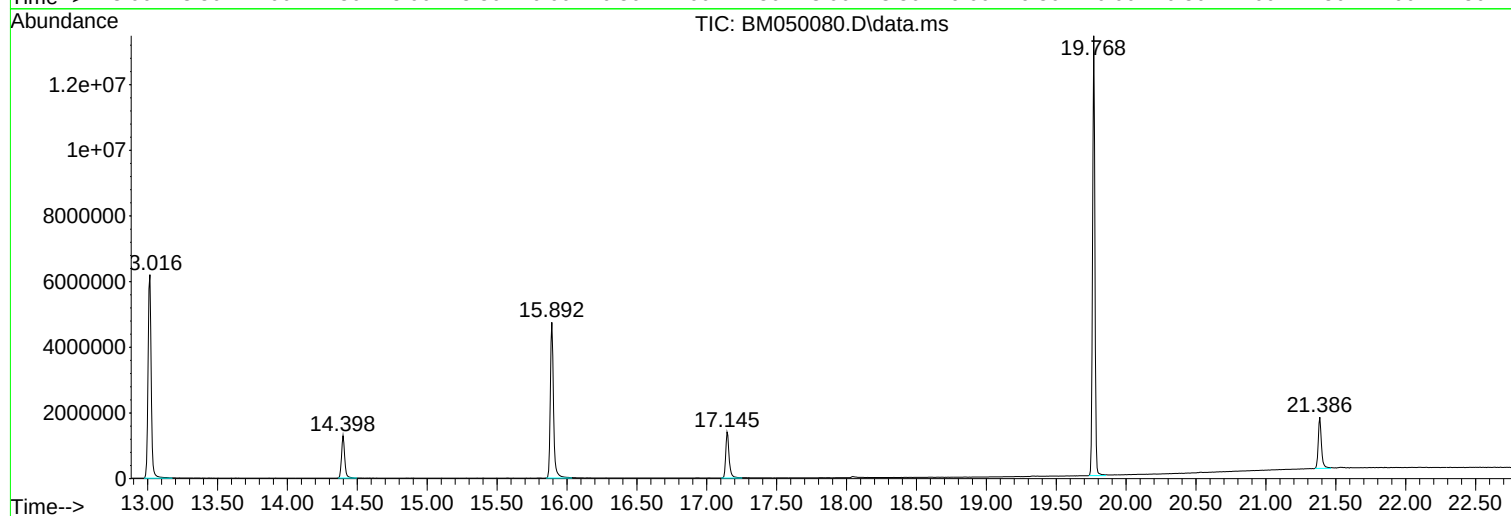
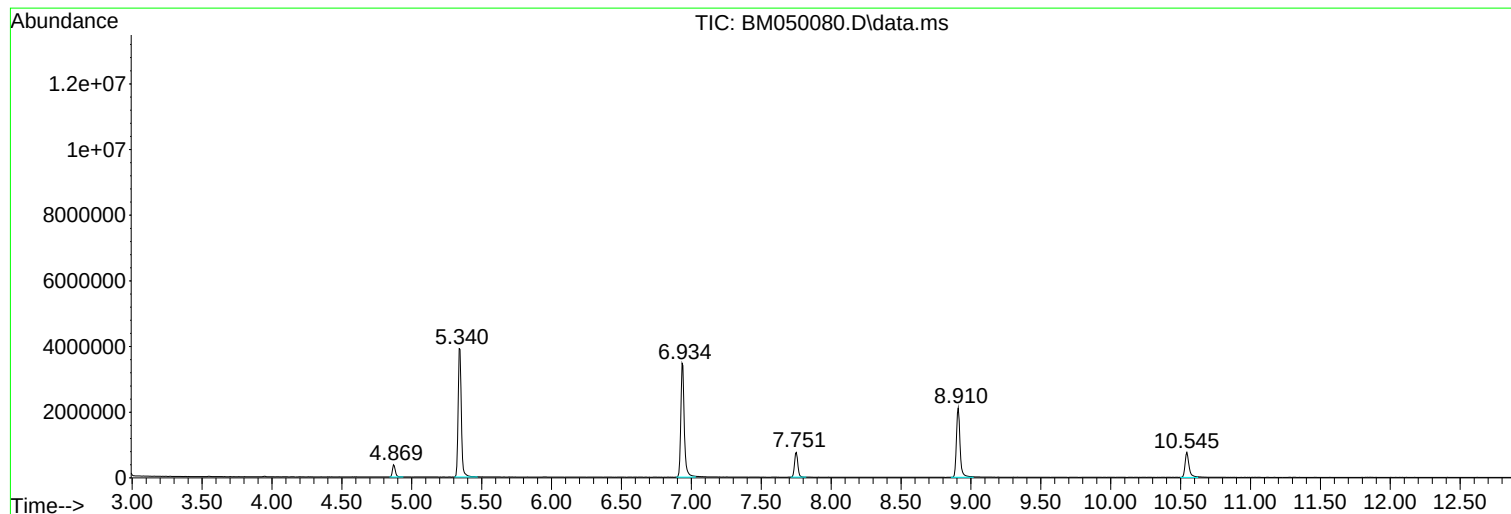
Sum of corrected areas: 61018105

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

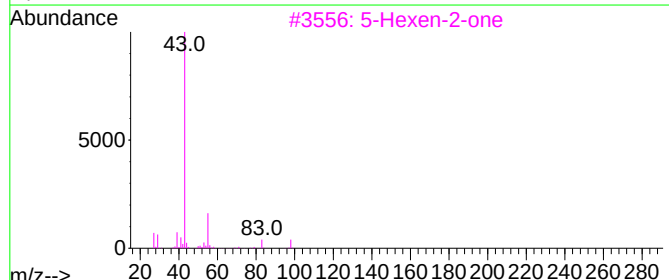
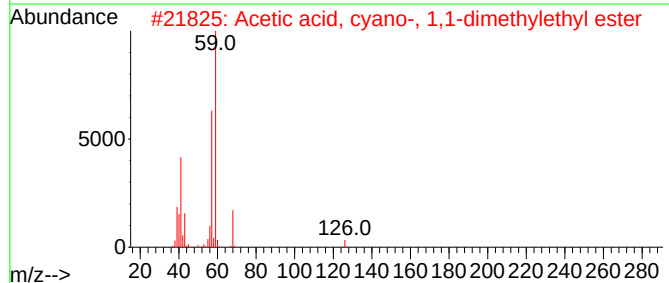
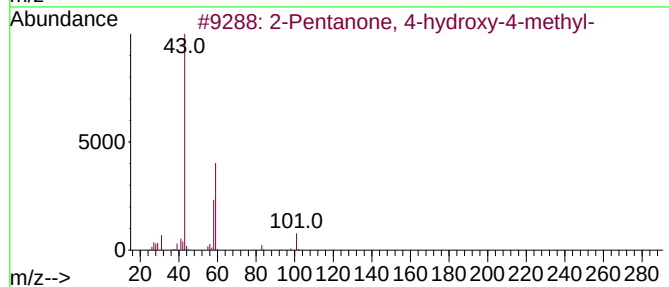
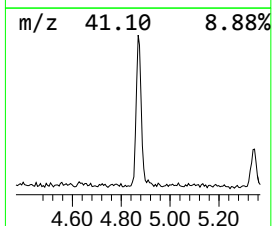
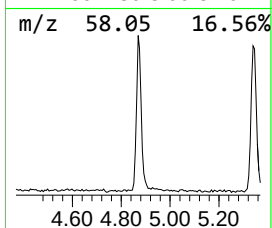
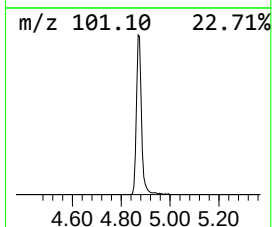
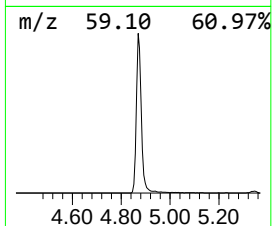
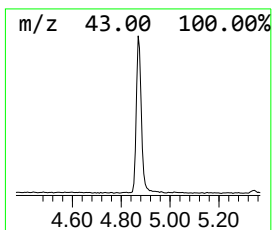
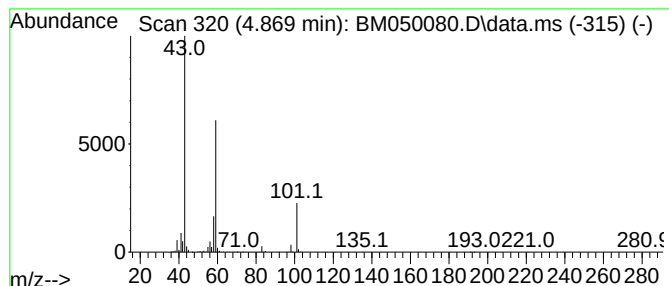
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.869	8.68 ng	531754	1,4-Dichlorobenzene-d4	7.751

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9		
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.869	8.7	ng	531754	1	7.751	1225110	20.0

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BS	SDG No.:	Q1907
Lab Sample ID:	PB167803BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050081.D	1	04/30/25 11:00	05/02/25 11:52	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	870		160	330	ug/Kg
108-95-2	Phenol	1500		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1300		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1500		58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	170	ug/Kg
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	450		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1400		52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1400		27.1	170	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BS	SDG No.:	Q1907
Lab Sample ID:	PB167803BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050081.D	1	04/30/25 11:00	05/02/25 11:52	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	590		46.0	170	ug/Kg
83-32-9	Acenaphthene	1400		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	230	330	ug/Kg
100-02-7	4-Nitrophenol	2900	E	110	330	ug/Kg
132-64-9	Dibenzofuran	1400		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		50.1	170	ug/Kg
84-66-2	Diethylphthalate	1400		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		26.7	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1400		64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1400		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	51.3	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
86-74-8	Carbazole	1500		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		47.9	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	660		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	170	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Walsh CO-032 Sampling	Date Received:	
Client Sample ID:	PB167803BS	SDG No.:	Q1907
Lab Sample ID:	PB167803BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050081.D	1	04/30/25 11:00	05/02/25 11:52	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1400		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	134		18 - 112	89%	SPK: 150
13127-88-3	Phenol-d6	131		15 - 107	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.1		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		10 - 105	77%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	239000	7.751
1146-65-2	Naphthalene-d8	852000	10.539
15067-26-2	Acenaphthene-d10	547000	14.398
1517-22-2	Phenanthrene-d10	1040000	17.145
1719-03-5	Chrysene-d12	1030000	21.386
1520-96-3	Perylene-d12	1050000	24.374

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\BM050225\
 Data File : BM050081.D
 Acq On : 02 May 2025 11:52
 Operator : RC/JU
 Sample : PB167803BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167803BS

Quant Time: May 02 12:47:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	238731	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	852455	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	546617	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1041831	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1028150	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1050834	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1823203	133.731	ng	-0.01
7) Phenol-d6	6.939	99	2240387	130.746	ng	-0.01
23) Nitrobenzene-d5	8.910	82	1299262	75.104	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1027949	127.183	ng	-0.01
45) 2-Fluorobiphenyl	13.015	172	3406612	73.726	ng	-0.02
79) Terphenyl-d14	19.768	244	5346201	76.944	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.240	88	202965	34.721	ng	98
3) Pyridine	3.640	79	574993	38.284	ng	99
4) n-Nitrosodimethylamine	3.546	42	254557	43.214	ng	98
6) Aniline	7.081	93	385920	17.836	ng	98
8) 2-Chlorophenol	7.322	128	646960	43.889	ng	98
9) Benzaldehyde	6.892	77	298237	26.008	ng	98
10) Phenol	6.963	94	796370	45.909	ng	99
11) bis(2-Chloroethyl)ether	7.175	93	601231	41.507	ng	99
12) 1,3-Dichlorobenzene	7.639	146	737329	41.408	ng	99
13) 1,4-Dichlorobenzene	7.786	146	742090	41.484	ng	99
14) 1,2-Dichlorobenzene	8.098	146	716761	41.480	ng	98
15) Benzyl Alcohol	7.998	79	518865	43.663	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.275	45	731665	41.554	ng	99
17) 2-Methylphenol	8.210	107	504118	44.114	ng	99
18) Hexachloroethane	8.822	117	264223	41.551	ng	95
19) n-Nitroso-di-n-propyla...	8.557	70	457904	41.666	ng	99
20) 3+4-Methylphenols	8.539	107	680776	44.113	ng	98
22) Acetophenone	8.575	105	897627	42.354	ng	98
24) Nitrobenzene	8.951	77	649250	43.404	ng	99
25) Isophorone	9.480	82	1191736	40.413	ng	99
26) 2-Nitrophenol	9.663	139	336179	43.992	ng	98
27) 2,4-Dimethylphenol	9.733	122	560187	44.204	ng	98
28) bis(2-Chloroethoxy)met...	9.957	93	760340	41.717	ng	100
29) 2,4-Dichlorophenol	10.210	162	631822	44.503	ng	99
30) 1,2,4-Trichlorobenzene	10.410	180	723534	41.829	ng	100
31) Naphthalene	10.592	128	1806992	41.857	ng	100
32) Benzoic acid	9.898	122	338454	41.758	ng	99
33) 4-Chloroaniline	10.722	127	236990	13.393	ng	99
34) Hexachlorobutadiene	10.874	225	453768	41.328	ng	99
35) Caprolactam	11.504	113	169843	41.029	ng	92
36) 4-Chloro-3-methylphenol	11.857	107	555694	42.366	ng	99
37) 2-Methylnaphthalene	12.210	142	1182840	40.867	ng	100
38) 1-Methylnaphthalene	12.427	142	1246383	40.691	ng	100
40) 1,2,4,5-Tetrachloroben...	12.586	216	816106	43.129	ng	99
41) Hexachlorocyclopentadiene	12.557	237	1092645	94.488	ng	99
43) 2,4,6-Trichlorophenol	12.833	196	534568	44.541	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050081.D
 Acq On : 02 May 2025 11:52
 Operator : RC/JU
 Sample : PB167803BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167803BS

Quant Time: May 02 12:47:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.915	196	572778	44.257	ng	99
46) 1,1'-Biphenyl	13.227	154	1714850	42.204	ng	99
47) 2-Chloronaphthalene	13.268	162	1372162	42.639	ng	100
48) 2-Nitroaniline	13.480	65	337316	44.660	ng	97
49) Acenaphthylene	14.115	152	2154517	42.462	ng	100
50) Dimethylphthalate	13.857	163	1655809	41.450	ng	100
51) 2,6-Dinitrotoluene	13.974	165	360700	43.611	ng	96
52) Acenaphthene	14.462	154	1237912	42.149	ng	99
53) 3-Nitroaniline	14.315	138	140875	17.840	ng	99
54) 2,4-Dinitrophenol	14.527	184	452687	85.127	ng	99
55) Dibenzofuran	14.798	168	2035860	41.663	ng	99
56) 4-Nitrophenol	14.651	139	556814	86.298	ng	99
57) 2,4-Dinitrotoluene	14.774	165	506537	44.321	ng	99
58) Fluorene	15.445	166	1702863	42.574	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	480862	42.923	ng	99
60) Diethylphthalate	15.221	149	1534231	40.759	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	928613	42.269	ng	99
62) 4-Nitroaniline	15.480	138	315457	41.407	ng	97
63) Azobenzene	15.733	77	1344729	42.627	ng	100
65) 4,6-Dinitro-2-methylph...	15.545	198	293420	44.993	ng	98
66) n-Nitrosodiphenylamine	15.656	169	1401982	43.823	ng	100
67) 4-Bromophenyl-phenylether	16.333	248	537365	42.653	ng	98
68) Hexachlorobenzene	16.456	284	620070	42.697	ng	98
69) Atrazine	16.609	200	499731	43.305	ng	99
70) Pentachlorophenol	16.803	266	815255	99.731	ng	98
71) Phenanthrene	17.186	178	2550491	43.405	ng	99
72) Anthracene	17.274	178	2596482	43.664	ng	100
73) Carbazole	17.550	167	2281814	44.221	ng	99
74) Di-n-butylphthalate	18.109	149	2588026	42.116	ng	100
75) Fluoranthene	19.203	202	3027358	43.882	ng	100
77) Benzidine	19.397	184	874516	23.946	ng	99
78) Pyrene	19.568	202	3117233	43.175	ng	100
80) Butylbenzylphthalate	20.462	149	1135997	42.009	ng	94
81) Benzo(a)anthracene	21.368	228	3113215	43.971	ng	100
82) 3,3'-Dichlorobenzidine	21.291	252	536223	19.784	ng	99
83) Chrysene	21.427	228	2897203	44.213	ng	100
84) Bis(2-ethylhexyl)phtha...	21.286	149	1668880	41.318	ng	100
85) Di-n-octyl phthalate	22.409	149	2819567	42.329	ng	99
87) Indeno(1,2,3-cd)pyrene	27.762	276	3738994	47.752	ng	100
88) Benzo(b)fluoranthene	23.432	252	2984894	43.678	ng	100
89) Benzo(k)fluoranthene	23.497	252	2991504	43.276	ng	100
90) Benzo(a)pyrene	24.238	252	2839325	44.360	ng	99
91) Dibenzo(a,h)anthracene	27.803	278	3076788	48.205	ng	99
92) Benzo(g,h,i)perylene	28.814	276	2916539	47.729	ng	99

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

Instrument :
BNA_M
ClientSampleId :
PB167803BS

TIC: BM050081.D\data.ms

Abundance

Time-->

1,4-Dioxane

n-Nitrosodiphenylamine

2-Fluorophenol, S

Phenol-d6, S

Benzaldehyde

Phenol, C

Aniline

bis(2-Chloroethyl)ether

2-Chlorophenol

1,3-Dichlorobenzene

1,4-Dichlorobenzene, C

Benzyl Alcohol

2,2'-oxybis(2-Chloropropane)

3,4-Methylenediphenylamine, P

Hexachlorocyclopentadiene

Nitrobenzene

Nitrobenzene-d5, S

Isophorone

2-Nitrophenol, C

Benzoic acid

bis(2-Chloroethoxy)methane

2,4-Dichlorophenol, C

2,4-Dichlorobenzene

Naphthalene-d8

1,2,4-Trichlorobenzene

Naphthalene

4-Chloroaniline

Hexachlorobutadiene, C

Caprolactam

4-Chloro-3-methylphenol, C

2-Methylnaphthalene

1-Methylnaphthalene

1,2,4,5-Tetrachlorobenzene

1,2,4,6-Tetrachlorophenol, C

2-Fluorobiphenyl, S

2-Chlorobiphenyl

2-Nitroaniline

Dimethylphthalate

Acenaphthylene

Acenaphthene, C

3-Nitroaniline

2,6-Dinitrotoluene

4-Nitrophenol, P

4-Nitrophenol, D

4-Nitrophenol, C

Dibenzofuran

2,3,4,6-Tetrachlorophenol

Diethylphthalate

4-Methyl-2-methylphenol

Azobenzene

n-Nitrosodiphenylamine, C

2,4,6-Tribromophenol, S

4-Bromophenyl-phenylether

Hexachlorobenzene

Atrazine

Pentachlorophenol, C

Phenanthrene-d10, I

Phenanthrene

Anthracene

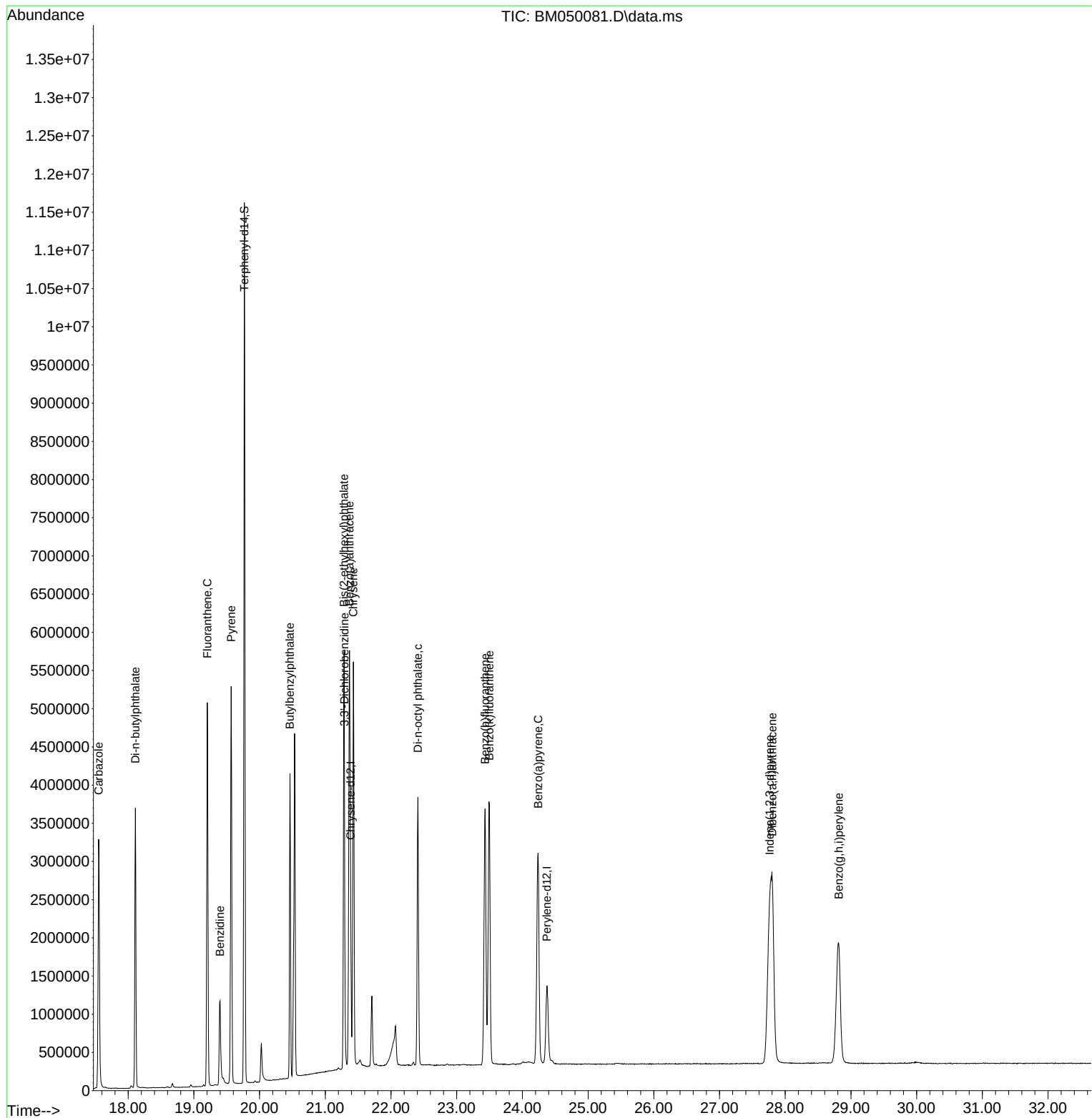
Carbazole

Di-n-butylphthalate

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050081.D
Acq On : 02 May 2025 11:52
Operator : RC/JU
Sample : PB167803BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167803BS

Quant Time: May 02 12:47:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1907
Lab Sample ID:	Q1914-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050083.D	1	04/30/25 11:00	05/02/25 13:20	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1400		170	360	ug/Kg
108-95-2	Phenol	1400		23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		26.3	180	ug/Kg
95-57-8	2-Chlorophenol	1500		26.4	180	ug/Kg
95-48-7	2-Methylphenol	1400		32.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		40.6	180	ug/Kg
98-86-2	Acetophenone	6000	E	31.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	1300		44.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		51.3	86.5	ug/Kg
67-72-1	Hexachloroethane	5100	E	19.0	180	ug/Kg
98-95-3	Nitrobenzene	2300		19.8	180	ug/Kg
78-59-1	Isophorone	2800		35.5	180	ug/Kg
88-75-5	2-Nitrophenol	2400		62.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		70.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		33.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2300		30.6	180	ug/Kg
91-20-3	Naphthalene	3200	E	24.6	180	ug/Kg
106-47-8	4-Chloroaniline	490		38.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	2300		27.4	180	ug/Kg
105-60-2	Caprolactam	2900	E	56.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		31.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	5700	E	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	1400		23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	1300		24.3	180	ug/Kg
88-74-4	2-Nitroaniline	1200		52.0	180	ug/Kg
131-11-3	Dimethylphthalate	1200		29.3	180	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1907
Lab Sample ID:	Q1914-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050083.D	1	04/30/25 11:00	05/02/25 13:20	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1300		31.3	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		36.3	180	ug/Kg
99-09-2	3-Nitroaniline	620		49.8	180	ug/Kg
83-32-9	Acenaphthene	1400		23.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	2400		250	360	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1400		24.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		54.2	180	ug/Kg
84-66-2	Diethylphthalate	1300		30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		28.9	180	ug/Kg
86-73-7	Fluorene	1600		27.4	180	ug/Kg
100-01-6	4-Nitroaniline	970		69.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		35.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		30.1	180	ug/Kg
118-74-1	Hexachlorobenzene	1600		27.4	180	ug/Kg
1912-24-9	Atrazine	2000		36.8	180	ug/Kg
87-86-5	Pentachlorophenol	3700	E	55.5	360	ug/Kg
85-01-8	Phenanthrene	2500		22.6	180	ug/Kg
120-12-7	Anthracene	1600		36.0	180	ug/Kg
86-74-8	Carbazole	1500		33.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	1400		51.8	180	ug/Kg
206-44-0	Fluoranthene	3100	E	32.4	180	ug/Kg
129-00-0	Pyrene	2600		38.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	1300		77.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	210	J	39.7	360	ug/Kg
56-55-3	Benzo(a)anthracene	2200		24.9	180	ug/Kg
218-01-9	Chrysene	2100		21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		64.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		93.9	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		20.5	180	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1907
Lab Sample ID:	Q1914-10MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050083.D	1	04/30/25 11:00	05/02/25 13:20	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		31.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		29.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		27.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		27.7	180	ug/Kg
123-91-1	1,4-Dioxane	1500		48.9	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		29.6	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	87.8		18 - 112	59%	SPK: 150
13127-88-3	Phenol-d6	76.9		15 - 107	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.0		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.7		20 - 109	45%	SPK: 100
118-79-6	2,4,6-Tribromophenol	82.6		10 - 116	55%	SPK: 150
1718-51-0	Terphenyl-d14	41.4		10 - 105	41%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	315000	7.751			
1146-65-2	Naphthalene-d8	672000	10.557			
15067-26-2	Acenaphthene-d10	612000	14.41			
1517-22-2	Phenanthrene-d10	1130000	17.157			
1719-03-5	Chrysene-d12	1270000	21.386			
1520-96-3	Perylene-d12	1420000	24.374			

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\BM050225\
 Data File : BM050083.D
 Acq On : 02 May 2025 13:20
 Operator : RC/JU
 Sample : Q1914-10MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-8MS

Manual Integrations
 APPROVED

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

Quant Time: May 02 14:23:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	315345	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	672358	20.000	ng	# 0.00
39) Acenaphthene-d10	14.410	164	611965	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1130506	20.000	ng	# 0.00
76) Chrysene-d12	21.386	240	1268702	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1417444	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1582039	87.849	ng	-0.01
7) Phenol-d6	6.940	99	1741511	76.940	ng	-0.01
23) Nitrobenzene-d5	8.910	82	1241569	90.993	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	747146	82.569	ng	0.00
45) 2-Fluorobiphenyl	13.021	172	2310504	44.664	ng	-0.01
79) Terphenyl-d14	19.774	244	3550084	41.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	319917	41.432	ng	100
3) Pyridine	3.634	79	873786	44.043	ng	99
4) n-Nitrosodimethylamine	3.546	42	357407	45.933	ng	98
6) Aniline	7.081	93	270789	9.474	ng	97
8) 2-Chlorophenol	7.322	128	792699	40.711	ng	98
9) Benzaldehyde	6.898	77	592110	39.091	ng	# 1
10) Phenol	6.963	94	914678	39.918	ng	96
11) bis(2-Chloroethyl)ether	7.175	93	759752	39.708	ng	99
12) 1,3-Dichlorobenzene	7.639	146	930870	39.577	ng	98
13) 1,4-Dichlorobenzene	7.787	146	925429	39.164	ng	99
14) 1,2-Dichlorobenzene	8.104	146	875735	38.367	ng	97
15) Benzyl Alcohol	7.998	79	621293	39.580	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	714841	30.735	ng	71
17) 2-Methylphenol	8.210	107	572780	37.945	ng	99
18) Hexachloroethane	8.863	117	1184275	140.989	ng	# 1
19) n-Nitroso-di-n-propyla...	8.563	70	450563	31.037	ng	95
20) 3+4-Methylphenols	8.539	107	729805	35.801	ng	92
22) Acetophenone	8.557	105	2801668	167.605	ng	# 61
24) Nitrobenzene	8.957	77	756087	64.086	ng	# 95
25) Isophorone	9.481	82	1786555	76.813	ng	# 56
26) 2-Nitrophenol	9.669	139	406262	67.404	ng	# 79
27) 2,4-Dimethylphenol	9.739	122	595897	59.617	ng	98
28) bis(2-Chloroethoxy)met...	9.963	93	719708	50.064	ng	# 74
29) 2,4-Dichlorophenol	10.216	162	725959	64.831	ng	98
30) 1,2,4-Trichlorobenzene	10.416	180	830639	60.884	ng	99
31) Naphthalene	10.604	128	3018930	88.661	ng	# 93
32) Benzoic acid	9.916	122	370969	58.030	ng	# 1
33) 4-Chloroaniline	10.722	127	190920	13.680	ng	# 75
34) Hexachlorobutadiene	10.886	225	558193	64.456	ng	100
35) Caprolactam	11.480	113	267165m	81.827	ng	
36) 4-Chloro-3-methylphenol	11.863	107	518827	50.150	ng	99
37) 2-Methylnaphthalene	12.227	142	3619943	158.570	ng	98
38) 1-Methylnaphthalene	12.445	142	2712508	112.277	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	950192	44.853	ng	99
41) Hexachlorocyclopentadiene	12.574	237	1106317	85.454	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	595406	44.312	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050083.D
 Acq On : 02 May 2025 13:20
 Operator : RC/JU
 Sample : Q1914-10MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-8MS

Manual Integrations
 APPROVED

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

Quant Time: May 02 14:23:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	623962	43.063	ng	# 79
46) 1,1'-Biphenyl	13.233	154	1793182	39.419	ng	99
47) 2-Chloronaphthalene	13.280	162	1311187	36.393	ng	99
48) 2-Nitroaniline	13.486	65	287529	34.003	ng	97
49) Acenaphthylene	14.133	152	2121312	37.343	ng	# 94
50) Dimethylphthalate	13.863	163	1516207	33.902	ng	# 94
51) 2,6-Dinitrotoluene	13.986	165	375066	40.505	ng	89
52) Acenaphthene	14.474	154	1282732	39.011	ng	99
53) 3-Nitroaniline	14.316	138	151722	17.162	ng	# 81
54) 2,4-Dinitrophenol	14.539	184	394999	67.614	ng	93
55) Dibenzofuran	14.810	168	2061098	37.675	ng	# 91
56) 4-Nitrophenol	14.657	139	626541	86.712	ng	# 75
57) 2,4-Dinitrotoluene	14.786	165	492435	38.486	ng	# 80
58) Fluorene	15.463	166	1930330	43.108	ng	# 97
59) 2,3,4,6-Tetrachlorophenol	15.045	232	539512	43.016	ng	# 38
60) Diethylphthalate	15.227	149	1556841	36.943	ng	# 92
61) 4-Chlorophenyl-phenyle...	15.451	204	932354	37.908	ng	95
62) 4-Nitroaniline	15.480	138	230529	27.028	ng	91
63) Azobenzene	15.745	77	1135699	32.157	ng	# 70
65) 4,6-Dinitro-2-methylph...	15.557	198	258093	36.472	ng	# 51
66) n-Nitrosodiphenylamine	15.668	169	1717787	49.483	ng	87
67) 4-Bromophenyl-phenylether	16.345	248	615774	45.043	ng	97
68) Hexachlorobenzene	16.474	284	689674	43.765	ng	95
69) Atrazine	16.621	200	693387	55.373	ng	98
70) Pentachlorophenol	16.815	266	913630	102.998	ng	98
71) Phenanthrene	17.198	178	4333407	67.962	ng	98
72) Anthracene	17.286	178	2879459	44.624	ng	98
73) Carbazole	17.556	167	2264448	40.442	ng	96
74) Di-n-butylphthalate	18.115	149	2559012	38.377	ng	98
75) Fluoranthene	19.215	202	6408265	85.603	ng	98
77) Benzidine	19.409	184	1136264	25.214	ng	# 96
78) Pyrene	19.580	202	6542677	73.437	ng	99
80) Butylbenzylphthalate	20.468	149	1196892	35.869	ng	97
81) Benzo(a)anthracene	21.368	228	5280774	60.444	ng	99
82) 3,3'-Dichlorobenzidine	21.292	252	192725	5.763	ng	# 98
83) Chrysene	21.433	228	4733136	58.535	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	2473210	49.622	ng	# 98
85) Di-n-octyl phthalate	22.409	149	3252195	39.567	ng	99
87) Indeno(1,2,3-cd)pyrene	27.768	276	5528767	52.347	ng	97
88) Benzo(b)fluoranthene	23.438	252	5516734	59.847	ng	99
89) Benzo(k)fluoranthene	23.497	252	4410842	47.305	ng	99
90) Benzo(a)pyrene	24.238	252	5014125	58.076	ng	98
91) Dibenzo(a,h)anthracene	27.809	278	3903128	45.335	ng	98
92) Benzo(g,h,i)perylene	28.815	276	4468322	54.211	ng	98

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

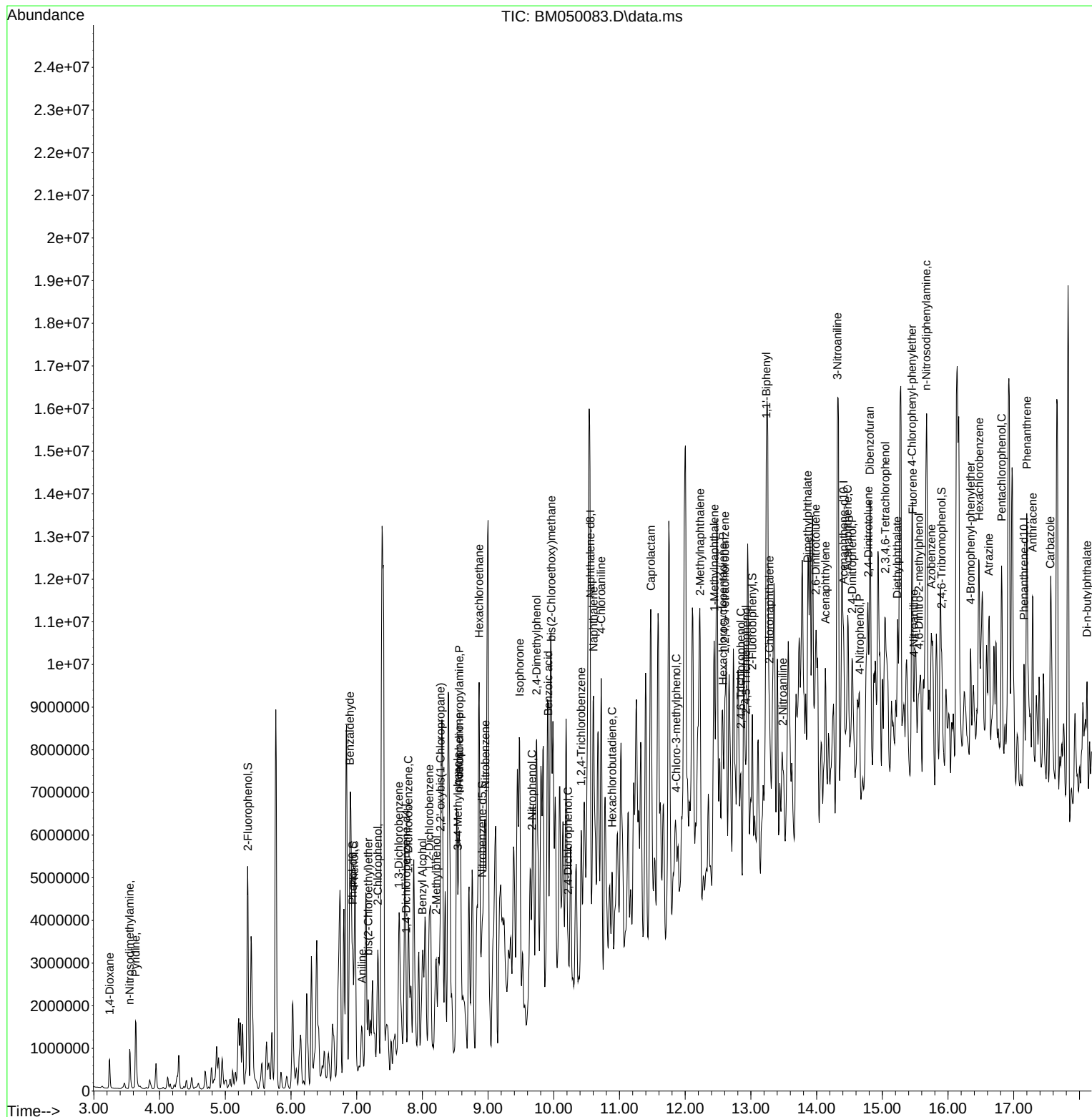
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Data File : BM050083.D
Acq On : 02 May 2025 13:20
Operator : RC/JU
Sample : Q1914-10MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-8MS

Quant Time: May 02 14:23:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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



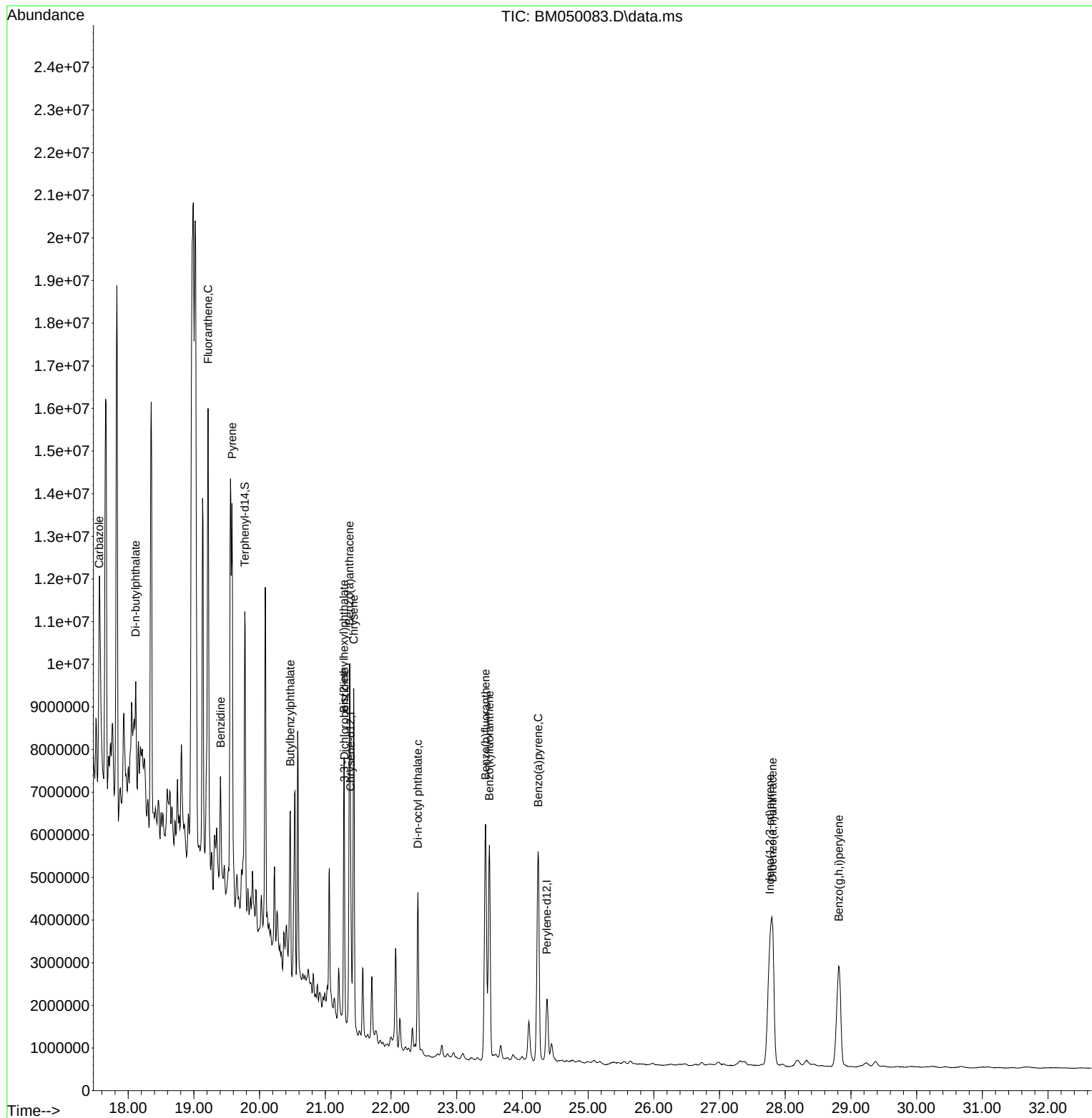
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Data File : BM050083.D
Acq On : 02 May 2025 13:20
Operator : RC/JU
Sample : Q1914-10MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-8MS

Manual Integrations
APPROVED

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

Quant Time: May 02 14:23:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1907
Lab Sample ID:	Q1914-11MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050084.D	1	04/30/25 11:00	05/02/25 14:00	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1400		170	360	ug/Kg
108-95-2	Phenol	1500		23.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		26.3	180	ug/Kg
95-57-8	2-Chlorophenol	1500		26.4	180	ug/Kg
95-48-7	2-Methylphenol	1400		32.3	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		40.5	180	ug/Kg
98-86-2	Acetophenone	6300	E	31.9	180	ug/Kg
65794-96-9	3+4-Methylphenols	1300		44.4	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		51.2	86.5	ug/Kg
67-72-1	Hexachloroethane	5200	E	19.0	180	ug/Kg
98-95-3	Nitrobenzene	2500		19.8	180	ug/Kg
78-59-1	Isophorone	2900	E	35.5	180	ug/Kg
88-75-5	2-Nitrophenol	2500		62.9	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		70.0	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		33.3	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2500		30.6	180	ug/Kg
91-20-3	Naphthalene	3300	E	24.5	180	ug/Kg
106-47-8	4-Chloroaniline	520		38.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	2500		27.3	180	ug/Kg
105-60-2	Caprolactam	2800		56.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		31.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	5900	E	27.7	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	130	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		21.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		31.5	180	ug/Kg
92-52-4	1,1-Biphenyl	1500		23.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	1400		24.3	180	ug/Kg
88-74-4	2-Nitroaniline	1300		52.0	180	ug/Kg
131-11-3	Dimethylphthalate	1300		29.3	180	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1907
Lab Sample ID:	Q1914-11MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050084.D	1	04/30/25 11:00	05/02/25 14:00	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		31.2	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		36.3	180	ug/Kg
99-09-2	3-Nitroaniline	650		49.7	180	ug/Kg
83-32-9	Acenaphthene	1500		23.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		250	360	ug/Kg
100-02-7	4-Nitrophenol	3300	E	120	360	ug/Kg
132-64-9	Dibenzofuran	1500		24.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		54.1	180	ug/Kg
84-66-2	Diethylphthalate	1400		30.6	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		28.9	180	ug/Kg
86-73-7	Fluorene	1700		27.3	180	ug/Kg
100-01-6	4-Nitroaniline	1000		69.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		110	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		35.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		30.0	180	ug/Kg
118-74-1	Hexachlorobenzene	1600		27.3	180	ug/Kg
1912-24-9	Atrazine	2000		36.7	180	ug/Kg
87-86-5	Pentachlorophenol	3900	E	55.4	360	ug/Kg
85-01-8	Phenanthrene	2500		22.6	180	ug/Kg
120-12-7	Anthracene	1700		36.0	180	ug/Kg
86-74-8	Carbazole	1500		33.7	180	ug/Kg
84-74-2	Di-n-butylphthalate	1400		51.8	180	ug/Kg
206-44-0	Fluoranthene	3100	E	32.4	180	ug/Kg
129-00-0	Pyrene	2700		38.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	1300		77.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	J	39.7	360	ug/Kg
56-55-3	Benzo(a)anthracene	2300		24.9	180	ug/Kg
218-01-9	Chrysene	2200		21.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		64.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		93.8	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		20.5	180	ug/Kg

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	04/28/25
Project:	Walsh CO-032 Sampling	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1907
Lab Sample ID:	Q1914-11MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
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
BM050084.D	1	04/30/25 11:00	05/02/25 14:00	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		31.9	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		31.5	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		29.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		27.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		27.7	180	ug/Kg
123-91-1	1,4-Dioxane	1500		48.9	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		29.6	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	90.5		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	79.3		15 - 107	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.8		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		20 - 109	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	88.6		10 - 116	59%	SPK: 150
1718-51-0	Terphenyl-d14	43.2		10 - 105	43%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	319000	7.751
1146-65-2	Naphthalene-d8	669000	10.557
15067-26-2	Acenaphthene-d10	587000	14.41
1517-22-2	Phenanthrene-d10	1130000	17.157
1719-03-5	Chrysene-d12	1240000	21.386
1520-96-3	Perylene-d12	1410000	24.374

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\BM050225\
 Data File : BM050084.D
 Acq On : 02 May 2025 14:00
 Operator : RC/JU
 Sample : Q1914-11MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-8MSD

Manual Integrations
 APPROVED

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

Quant Time: May 02 14:57:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	318543	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	669041	20.000	ng	# 0.00
39) Acenaphthene-d10	14.410	164	587094	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1125283	20.000	ng	# 0.00
76) Chrysene-d12	21.386	240	1238341	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1405067	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1646268	90.498	ng	-0.01
7) Phenol-d6	6.940	99	1813827	79.331	ng	-0.01
23) Nitrobenzene-d5	8.910	82	1287153	94.802	ng	-0.02
42) 2,4,6-Tribromophenol	15.904	330	768854	88.568	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	2406843	48.497	ng	-0.01
79) Terphenyl-d14	19.774	244	3619052	43.245	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	329299	42.219	ng	98
3) Pyridine	3.634	79	901669	44.992	ng	98
4) n-Nitrosodimethylamine	3.546	42	375268	47.744	ng	99
6) Aniline	7.081	93	279843	9.693	ng	# 95
8) 2-Chlorophenol	7.322	128	825339	41.962	ng	99
9) Benzaldehyde	6.898	77	609713	39.849	ng	# 1
10) Phenol	6.963	94	946993	40.913	ng	97
11) bis(2-Chloroethyl)ether	7.175	93	786851	40.711	ng	99
12) 1,3-Dichlorobenzene	7.640	146	962363	40.505	ng	98
13) 1,4-Dichlorobenzene	7.787	146	963935	40.384	ng	98
14) 1,2-Dichlorobenzene	8.104	146	911169	39.519	ng	97
15) Benzyl Alcohol	7.998	79	639241	40.315	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.275	45	742064	31.585	ng	69
17) 2-Methylphenol	8.210	107	596238	39.102	ng	99
18) Hexachloroethane	8.863	117	1227734	144.695	ng	# 1
19) n-Nitroso-di-n-propyla...	8.563	70	461477	31.470	ng	96
20) 3+4-Methylphenols	8.540	107	758552	36.837	ng	93
22) Acetophenone	8.557	105	2902132	174.475	ng	# 61
24) Nitrobenzene	8.957	77	818217	69.696	ng	# 95
25) Isophorone	9.481	82	1859060	80.326	ng	# 57
26) 2-Nitrophenol	9.663	139	424409	70.764	ng	# 74
27) 2,4-Dimethylphenol	9.739	122	621753	62.512	ng	99
28) bis(2-Chloroethoxy)met...	9.963	93	743439	51.972	ng	# 75
29) 2,4-Dichlorophenol	10.216	162	766341	68.776	ng	98
30) 1,2,4-Trichlorobenzene	10.416	180	873722	64.360	ng	99
31) Naphthalene	10.604	128	3121337	92.123	ng	# 94
32) Benzoic acid	9.916	122	388178	61.023	ng	# 1
33) 4-Chloroaniline	10.722	127	201228	14.490	ng	# 78
34) Hexachlorobutadiene	10.886	225	587920	68.225	ng	99
35) Caprolactam	11.486	113	254600m	78.366	ng	
36) 4-Chloro-3-methylphenol	11.863	107	541640	52.615	ng	99
37) 2-Methylnaphthalene	12.228	142	3716761	163.618	ng	98
38) 1-Methylnaphthalene	12.445	142	2795228	116.274	ng	100
40) 1,2,4,5-Tetrachloroben...	12.604	216	999784	49.193	ng	98
41) Hexachlorocyclopentadiene	12.575	237	1084083	87.284	ng	100
43) 2,4,6-Trichlorophenol	12.845	196	598415	46.423	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050084.D
 Acq On : 02 May 2025 14:00
 Operator : RC/JU
 Sample : Q1914-11MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SS-8MSD

Manual Integrations**APPROVED**

Reviewed By :Rahul Chavli 05/05/2025

Supervised By :Jagrut Upadhyay 05/05/2025

Quant Time: May 02 14:57:54 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 18:09:16 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	639623	46.014	ng	# 81
46) 1,1'-Biphenyl	13.233	154	1850245	42.396	ng	98
47) 2-Chloronaphthalene	13.280	162	1346233	38.949	ng	99
48) 2-Nitroaniline	13.486	65	302213	37.254	ng	95
49) Acenaphthylene	14.133	152	2185096	40.096	ng	94
50) Dimethylphthalate	13.863	163	1590725	37.075	ng	# 94
51) 2,6-Dinitrotoluene	13.986	165	386386	43.496	ng	88
52) Acenaphthene	14.474	154	1320681	41.867	ng	98
53) 3-Nitroaniline	14.316	138	152605	17.993	ng	# 83
54) 2,4-Dinitrophenol	14.545	184	385380	68.665	ng	# 91
55) Dibenzofuran	14.810	168	2125064	40.490	ng	# 90
56) 4-Nitrophenol	14.651	139	642317	92.350	ng	# 74
57) 2,4-Dinitrotoluene	14.786	165	504294	41.083	ng	# 81
58) Fluorene	15.463	166	1978779	46.062	ng	# 96
59) 2,3,4,6-Tetrachlorophenol	15.045	232	556346	46.238	ng	# 36
60) Diethylphthalate	15.227	149	1578439	39.043	ng	92
61) 4-Chlorophenyl-phenyle...	15.451	204	964137	40.860	ng	95
62) 4-Nitroaniline	15.480	138	228227	27.892	ng	93
63) Azobenzene	15.745	77	1155833	34.113	ng	# 70
65) 4,6-Dinitro-2-methylph...	15.557	198	254881	36.185	ng	# 47
66) n-Nitrosodiphenylamine	15.668	169	1764120	51.053	ng	87
67) 4-Bromophenyl-phenylether	16.345	248	630089	46.304	ng	97
68) Hexachlorobenzene	16.474	284	715533	45.617	ng	95
69) Atrazine	16.621	200	708947	56.879	ng	98
70) Pentachlorophenol	16.815	266	947009	107.257	ng	99
71) Phenanthrene	17.198	178	4410458	69.492	ng	98
72) Anthracene	17.292	178	2950004	45.930	ng	98
73) Carbazole	17.557	167	2296748	41.209	ng	96
74) Di-n-butylphthalate	18.115	149	2556510	38.518	ng	98
75) Fluoranthene	19.215	202	6478876	86.948	ng	98
77) Benzidine	19.409	184	1253466	28.496	ng	97
78) Pyrene	19.580	202	6575812	75.619	ng	98
80) Butylbenzylphthalate	20.468	149	1210644	37.171	ng	97
81) Benzo(a)anthracene	21.374	228	5342640	62.652	ng	98
82) 3,3'-Dichlorobenzidine	21.292	252	202465	6.202	ng	# 99
83) Chrysene	21.433	228	4779549	60.559	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	2303036	47.340	ng	98
85) Di-n-octyl phthalate	22.409	149	3329520	41.500	ng	99
87) Indeno(1,2,3-cd)pyrene	27.768	276	5638624	53.858	ng	97
88) Benzo(b)fluoranthene	23.439	252	5616233	61.463	ng	99
89) Benzo(k)fluoranthene	23.497	252	4464658	48.303	ng	98
90) Benzo(a)pyrene	24.239	252	5090825	59.484	ng	98
91) Dibenzo(a,h)anthracene	27.809	278	3946360	46.241	ng	99
92) Benzo(g,h,i)perylene	28.826	276	4550609	55.695	ng	98

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

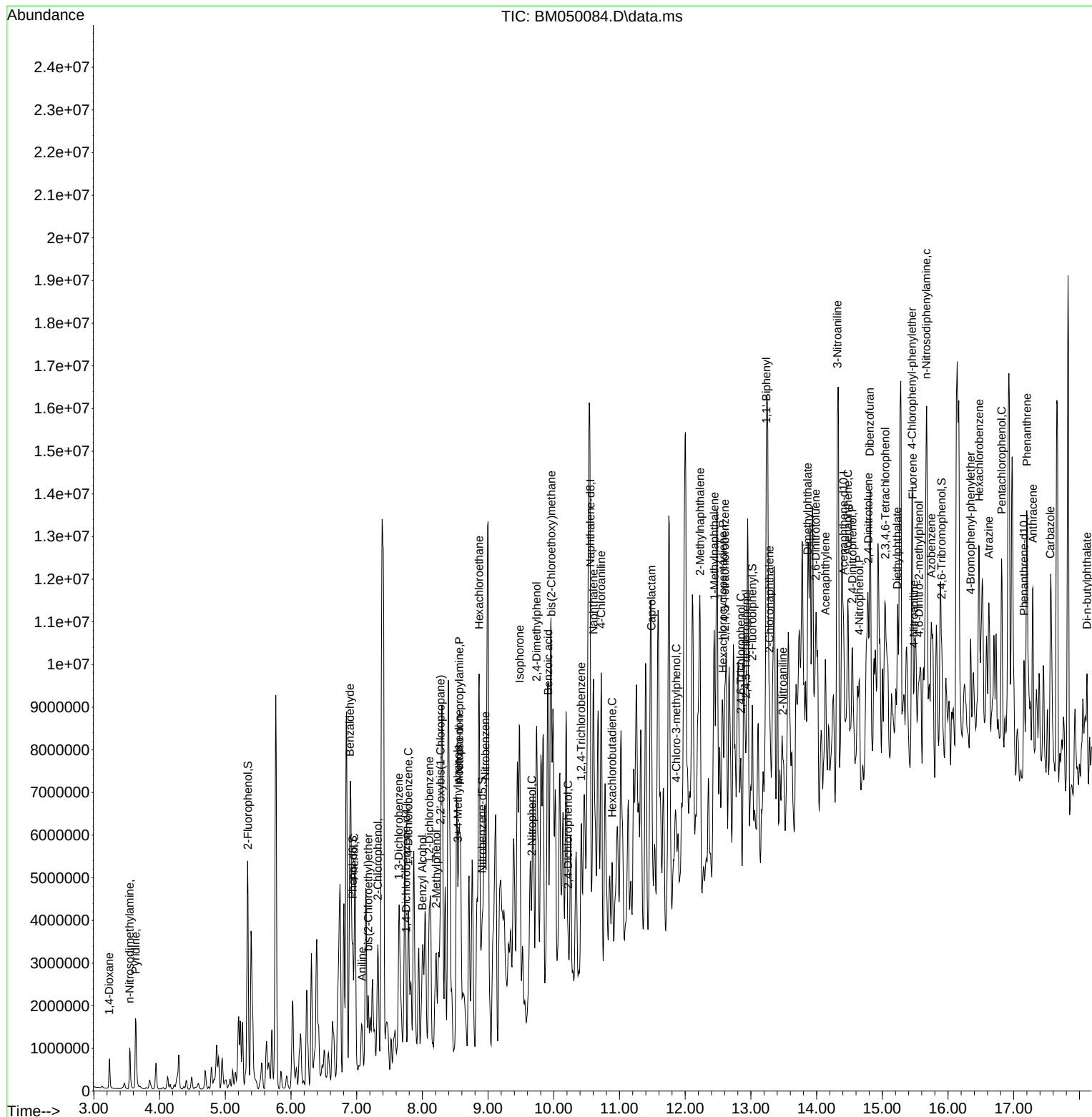
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050084.D
Acq On : 02 May 2025 14:00
Operator : RC/JU
Sample : Q1914-11MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-8MSD

Quant Time: May 02 14:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

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



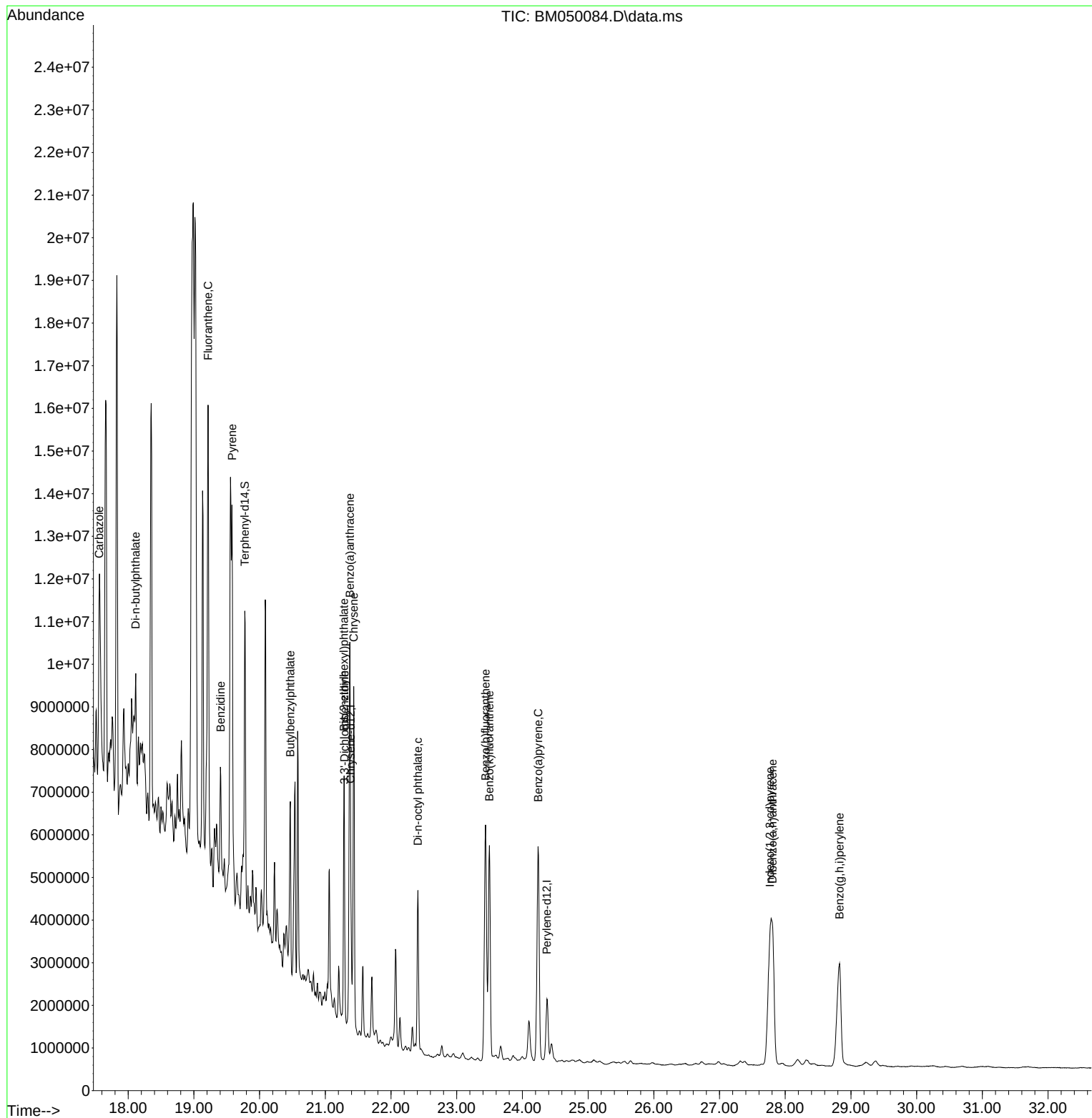
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050084.D
Acq On : 02 May 2025 14:00
Operator : RC/JU
Sample : Q1914-11MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-8MSD

Manual Integrations
APPROVED

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

Quant Time: May 02 14:57:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

bm050125

Instrument

BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1907-01	BM050073.D	Benzo(k)fluoranthene	Rahul	5/2/2025 10:54:00 AM	Jagrut	5/2/2025 4:56:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

Bm050225

Instrument

BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1914-10MS	BM050083.D	Caprolactam	Rahul	5/5/2025 11:30:10 AM	Jagrut	5/5/2025 11:50:38 AM	Peak Integrated by Software
Q1914-11MSD	BM050084.D	Caprolactam	Rahul	5/5/2025 11:30:14 AM	Jagrut	5/5/2025 11:50:43 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BM050525

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12661,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050125

Review By	Rahul	Review On	5/1/2025 3:03:06 PM
Supervise By	Jagrut	Supervise On	5/2/2025 4:57:09 PM
SubDirectory	BM050125	HP Acquire Method	BNA_M
		HP Processing Method	BM042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12662,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050061.D	01 May 2025 12:24	RC/JU	Ok
2	SSTDCCC040	BM050062.D	01 May 2025 13:25	RC/JU	Ok
3	PB167779BL	BM050063.D	01 May 2025 14:04	RC/JU	Ok
4	PB167779BS	BM050064.D	01 May 2025 14:43	RC/JU	Ok
5	Q1900-05	BM050065.D	01 May 2025 15:26	RC/JU	Ok
6	Q1914-01	BM050066.D	01 May 2025 16:05	RC/JU	Ok
7	Q1914-02	BM050067.D	01 May 2025 16:44	RC/JU	Ok
8	Q1905-05	BM050068.D	01 May 2025 17:23	RC/JU	Ok,M
9	Q1900-01	BM050069.D	01 May 2025 18:02	RC/JU	Ok,M
10	Q1906-05	BM050070.D	01 May 2025 18:41	RC/JU	Ok,M
11	Q1914-03	BM050071.D	01 May 2025 19:20	RC/JU	Ok
12	Q1914-05	BM050072.D	01 May 2025 20:00	RC/JU	Ok,M
13	Q1907-01	BM050073.D	01 May 2025 20:39	RC/JU	Dilution
14	Q1901-03	BM050074.D	01 May 2025 21:18	RC/JU	Ok,M
15	Q1900-09	BM050075.D	01 May 2025 21:57	RC/JU	Ok,M
16	Q1905-01	BM050076.D	01 May 2025 22:36	RC/JU	Ok,M
17	Q1906-09	BM050077.D	01 May 2025 23:15	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050225

Review By	Rahul	Review On	5/5/2025 11:31:05 AM
Supervise By	Jagrut	Supervise On	5/5/2025 11:51:36 AM
SubDirectory	BM050225	HP Acquire Method	BNA_M
		HP Processing Method	BM042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12662,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050078.D	02 May 2025 09:54	RC/JU	Ok
2	SSTDCCC040	BM050079.D	02 May 2025 10:33	RC/JU	Ok
3	PB167803BL	BM050080.D	02 May 2025 11:13	RC/JU	Ok
4	PB167803BS	BM050081.D	02 May 2025 11:52	RC/JU	Ok
5	Q1914-09	BM050082.D	02 May 2025 12:41	RC/JU	Ok,M
6	Q1914-10MS	BM050083.D	02 May 2025 13:20	RC/JU	Ok,M
7	Q1914-11MSD	BM050084.D	02 May 2025 14:00	RC/JU	Ok,M
8	Q1914-12	BM050085.D	02 May 2025 14:39	RC/JU	ReRun
9	Q1914-06	BM050086.D	02 May 2025 15:19	RC/JU	ReRun
10	Q1914-04	BM050087.D	02 May 2025 15:58	RC/JU	ReRun
11	Q1907-01DL	BM050088.D	02 May 2025 16:38	RC/JU	Not Ok
12	Q1914-08	BM050089.D	02 May 2025 17:17	RC/JU	Ok,M
13	Q1922-01	BM050090.D	02 May 2025 17:57	RC/JU	ReRun
14	Q1906-09	BM050091.D	02 May 2025 18:36	RC/JU	ReRun
15	Q1935-05	BM050092.D	02 May 2025 19:15	RC/JU	ReRun
16	Q1923-01	BM050093.D	02 May 2025 19:55	RC/JU	Ok,NS
17	Q1933-01	BM050094.D	02 May 2025 20:34	RC/JU	ReRun

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BM050525	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12662,10ul/1000ul sample				
ICV/I.BLK	SP6770				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050095.D	05 May 2025 11:39	RC/JU	Ok
2	SSTDCCC040	BM050096.D	05 May 2025 12:18	RC/JU	Ok
3	PB167815TB	BM050097.D	05 May 2025 12:57	RC/JU	Ok
4	Q1907-01DL	BM050098.D	05 May 2025 13:40	RC/JU	Ok,NR
5	Q1914-12	BM050099.D	05 May 2025 15:03	RC/JU	Ok
6	Q1937-05	BM050100.D	05 May 2025 15:42	RC/JU	Ok
7	Q1937-05MS	BM050101.D	05 May 2025 16:21	RC/JU	Ok
8	Q1937-05MSD	BM050102.D	05 May 2025 17:00	RC/JU	Ok
9	Q1947-01	BM050103.D	05 May 2025 17:39	RC/JU	Ok
10	Q1936-03	BM050104.D	05 May 2025 18:18	RC/JU	Ok
11	Q1951-01	BM050105.D	05 May 2025 18:58	RC/JU	Ok
12	Q1914-06	BM050106.D	05 May 2025 19:37	RC/JU	Ok
13	Q1914-04	BM050107.D	05 May 2025 20:16	RC/JU	Ok,NR
14	Q1922-01	BM050108.D	05 May 2025 20:55	RC/JU	Ok
15	Q1935-05	BM050109.D	05 May 2025 21:34	RC/JU	Ok
16	Q1933-01	BM050110.D	05 May 2025 22:14	RC/JU	Ok,NR

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM
SubDirectory	BM042825	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/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	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-7 7 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050125

Review By	Rahul	Review On	5/1/2025 3:03:06 PM
Supervise By	Jagrut	Supervise On	5/2/2025 4:57:09 PM
SubDirectory	BM050125	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/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	BM050061.D	01 May 2025 12:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050062.D	01 May 2025 13:25		RC/JU	Ok
3	PB167779BL	PB167779BL	BM050063.D	01 May 2025 14:04		RC/JU	Ok
4	PB167779BS	PB167779BS	BM050064.D	01 May 2025 14:43		RC/JU	Ok
5	Q1900-05	WC-2	BM050065.D	01 May 2025 15:26		RC/JU	Ok
6	Q1914-01	SS-1	BM050066.D	01 May 2025 16:05		RC/JU	Ok
7	Q1914-02	SS-91	BM050067.D	01 May 2025 16:44		RC/JU	Ok
8	Q1905-05	MH-H	BM050068.D	01 May 2025 17:23		RC/JU	Ok,M
9	Q1900-01	WC-1	BM050069.D	01 May 2025 18:02		RC/JU	Ok,M
10	Q1906-05	WC-5	BM050070.D	01 May 2025 18:41		RC/JU	Ok,M
11	Q1914-03	SS-2	BM050071.D	01 May 2025 19:20		RC/JU	Ok
12	Q1914-05	SS-4	BM050072.D	01 May 2025 20:00		RC/JU	Ok,M
13	Q1907-01	CO-8R-WC	BM050073.D	01 May 2025 20:39	Need further 5X Dilution	RC/JU	Dilution
14	Q1901-03	B-170-SB01	BM050074.D	01 May 2025 21:18		RC/JU	Ok,M
15	Q1900-09	WC-3	BM050075.D	01 May 2025 21:57		RC/JU	Ok,M
16	Q1905-01	MH-G	BM050076.D	01 May 2025 22:36		RC/JU	Ok,M
17	Q1906-09	WC-6	BM050077.D	01 May 2025 23:15		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050225

Review By	Rahul	Review On	5/5/2025 11:31:05 AM
Supervise By	Jagrut	Supervise On	5/5/2025 11:51:36 AM
SubDirectory	BM050225	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/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	BM050078.D	02 May 2025 09:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050079.D	02 May 2025 10:33		RC/JU	Ok
3	PB167803BL	PB167803BL	BM050080.D	02 May 2025 11:13		RC/JU	Ok
4	PB167803BS	PB167803BS	BM050081.D	02 May 2025 11:52		RC/JU	Ok
5	Q1914-09	SS-8	BM050082.D	02 May 2025 12:41		RC/JU	Ok,M
6	Q1914-10MS	SS-8MS	BM050083.D	02 May 2025 13:20		RC/JU	Ok,M
7	Q1914-11MSD	SS-8MSD	BM050084.D	02 May 2025 14:00		RC/JU	Ok,M
8	Q1914-12	SS-9	BM050085.D	02 May 2025 14:39	Internal Standard Fail	RC/JU	ReRun
9	Q1914-06	SS-5	BM050086.D	02 May 2025 15:19	Internal Standard Fail	RC/JU	ReRun
10	Q1914-04	SS-3	BM050087.D	02 May 2025 15:58	Internal Standard Fail	RC/JU	ReRun
11	Q1907-01DL	CO-8R-WCDL	BM050088.D	02 May 2025 16:38	Internal Standard Fail	RC/JU	Not Ok
12	Q1914-08	SS-7	BM050089.D	02 May 2025 17:17		RC/JU	Ok,M
13	Q1922-01	MH-R	BM050090.D	02 May 2025 17:57	Internal Standard Fail	RC/JU	ReRun
14	Q1906-09	WC-6	BM050091.D	02 May 2025 18:36	Internal Standard Fail	RC/JU	ReRun
15	Q1935-05	MH-MM	BM050092.D	02 May 2025 19:15	Internal standard fail	RC/JU	ReRun
16	Q1923-01	TR-05-04302025	BM050093.D	02 May 2025 19:55		RC/JU	Ok,NS
17	Q1933-01	OK-01-050125	BM050094.D	02 May 2025 20:34	Internal standard fail	RC/JU	ReRun

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050525

Review By		Review On			
Supervise By		Supervise On			
SubDirectory	BM050525	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME	STD REF.#				
Tune/Reschk	SP6757				
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729				
CCC	SP6725				
Internal Standard/PEM	S12662,10ul/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	BM050095.D	05 May 2025 11:39		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050096.D	05 May 2025 12:18		RC/JU	Ok
3	PB167815TB	PB167815TB	BM050097.D	05 May 2025 12:57		RC/JU	Ok
4	Q1907-01DL	CO-8R-WCDL	BM050098.D	05 May 2025 13:40		RC/JU	Ok,NR
5	Q1914-12	SS-9	BM050099.D	05 May 2025 15:03		RC/JU	Ok
6	Q1937-05	LARGE-PILE-C	BM050100.D	05 May 2025 15:42		RC/JU	Ok
7	Q1937-05MS	LARGE-PILE-CMS	BM050101.D	05 May 2025 16:21		RC/JU	Ok
8	Q1937-05MSD	LARGE-PILE-CMSD	BM050102.D	05 May 2025 17:00		RC/JU	Ok
9	Q1947-01	MH-P	BM050103.D	05 May 2025 17:39		RC/JU	Ok
10	Q1936-03	SMALL-PILE-B	BM050104.D	05 May 2025 18:18		RC/JU	Ok
11	Q1951-01	MH-KK	BM050105.D	05 May 2025 18:58		RC/JU	Ok
12	Q1914-06	SS-5	BM050106.D	05 May 2025 19:37		RC/JU	Ok
13	Q1914-04	SS-3	BM050107.D	05 May 2025 20:16		RC/JU	Ok,NR
14	Q1922-01	MH-R	BM050108.D	05 May 2025 20:55		RC/JU	Ok
15	Q1935-05	MH-MM	BM050109.D	05 May 2025 21:34		RC/JU	Ok
16	Q1933-01	OK-01-050125	BM050110.D	05 May 2025 22:14		RC/JU	Ok,NR

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1872-24	HW0425-PT-SOL-SOIL	8	0.92	10.30	11.22	8.82	76.7	
Q1901-01	B-170-SB00	1	1.14	5.55	6.69	6.28	92.6	
Q1901-02	B-167-SB01	2	1.14	10.22	11.36	9.58	82.6	
Q1901-03	B-170-SB01	3	1.19	10.31	11.5	9.75	83.0	
Q1901-04	B-167-SB02	4	1.15	9.78	10.93	6.35	53.2	
Q1901-05	B-170-SB02	5	1.14	10.16	11.3	8.77	75.1	
Q1902-01	343	6	1.19	10.23	11.42	10.7	93.0	
Q1902-02	343	7	1.13	10.19	11.32	10.33	90.3	
Q1903-01	COMP-4	9	1.18	11.14	12.32	10.46	83.3	
Q1903-02	COMP-5	10	1.16	10.50	11.66	9.44	78.9	
Q1903-03	COMP-6	11	1.17	10.60	11.77	10.06	83.9	
Q1904-01	VNJ-210	12	1.19	10.39	11.58	10.6	90.6	
Q1905-01	MH-G	13	1.15	10.35	11.5	10.38	89.2	
Q1905-02	MH-G-EPH	14	1.16	9.65	10.81	9.71	88.6	
Q1905-03	MH-G-VOC	15	1.16	10.33	11.49	10.36	89.1	
Q1905-05	MH-H	16	1.12	10.03	11.15	10.5	93.5	
Q1905-06	MH-H-EPH	17	1.13	10.30	11.43	10.5	91.0	
Q1905-07	MH-H-VOC	18	1.12	10.03	11.15	10.01	88.6	
Q1906-01	WC-4	19	1.15	9.85	11.00	10.14	91.3	
Q1906-02	WC-4-EPH	20	1.16	9.97	11.13	10.17	90.4	
Q1906-03	WC-4-VOC	21	1.18	9.99	11.17	9.91	87.4	
Q1906-05	WC-5	22	1.16	10.82	11.98	10.19	83.5	
Q1906-06	WC-5-EPH	23	1.13	10.41	11.54	9.94	84.6	
Q1906-07	WC-5-VOC	24	1.18	10.47	11.65	11.63	99.8	
Q1906-09	WC-6	25	1.14	10.04	11.18	10.4	92.2	
Q1906-10	WC-6-EPH	26	1.15	10.77	11.92	10.23	84.3	
Q1906-11	WC-6-VOC	27	1.14	10.47	11.61	10.86	92.8	
Q1906-13	WC-7	28	1.14	10.85	11.99	10.31	84.5	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/29/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/29/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135575

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1906-14	WC-7-EPH	29	1.12	9.86	10.98	9.7	87.0	
Q1906-15	WC-7-VOC	30	1.13	10.27	11.4	10.23	88.6	
Q1907-01	CO-8R-WC	31	1.13	10.26	11.39	9.81	84.6	

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

WORKLIST(Hardcopy Internal Chain)

135545

WorkList Name : %1-042825

WorkList ID : 189159

Department : Wet-Chemistry

Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1872-24	HW0425-PT-SOL-SOIL	Solid	Percent Solids	Cool 4 deg C	ALLI03	QA Of	04/21/2025	Chemtech -SO
Q1903-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-02	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1903-03	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/25/2025	Chemtech -SO
Q1901-01	B-170-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-02	B-167-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-03	B-170-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-04	B-167-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1901-05	B-170-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L51	04/26/2025	Chemtech -SO
Q1902-01	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1902-02	343	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1904-01	VNJ-210	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-13	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-14	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-15	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-05	WC-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-06	WC-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-07	WC-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 04/28/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

Handwritten signature

WorkList Name : %1-042825 WorkList ID : 189159 Department : Wet-Chemistry Date : 04-28-2025 07:59:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1906-09	WC-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-10	WC-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-11	WC-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1905-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1905-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/28/2025	Chemtech -SO
Q1906-01	WC-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-02	WC-4-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1906-03	WC-4-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/28/2025	Chemtech -SO
Q1907-01	CO-8R-WC	Solid	Percent Solids	Cool 4 deg C	WALS01	L51	04/28/2025	Chemtech -SO

Date/Time 04/28/25 16:15
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

Date/Time 04/28/25 17:30
 Raw Sample Received by: *Handwritten signature*
 Raw Sample Relinquished by: *Handwritten signature*

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A **Extraction Start Date :** 04/30/2025

Matrix : Solid **Extraction Start Time :** 11:00

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 04/30/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 14:00

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

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

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
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
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A **Envap ID:** NEVAP-02

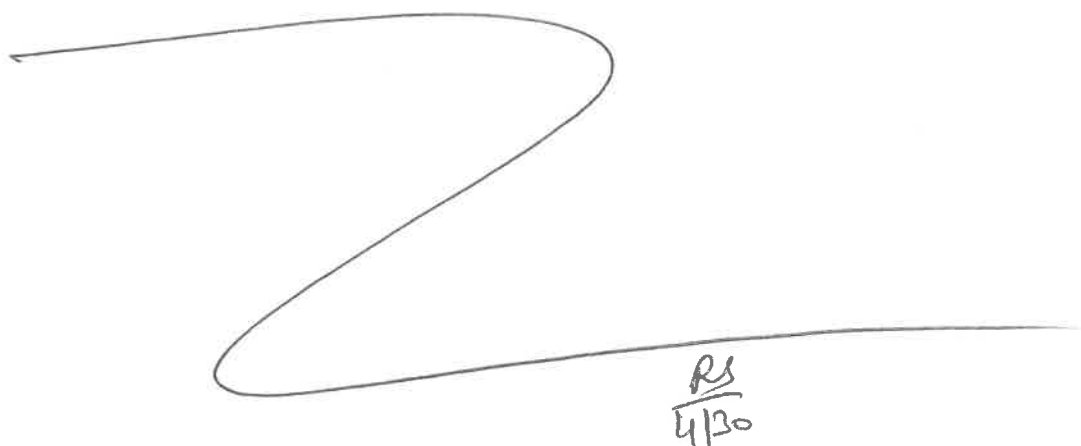
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Ext-Lab)	Rc/svoc
14:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/30/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167803BL	SBLK803	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB167803BS	SLCS803	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q1907-01	CO-8R-WC	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		3
Q1910-01	MOO-25-0123-27	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		4
Q1911-01	EO-03-04292025	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q1912-01	MH-E	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		6
Q1912-05	MH-F	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	D		U2-1
Q1914-01	SS-1	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
Q1914-02	SS-91	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		3
Q1914-03	SS-2	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		4
Q1914-04	SS-3	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		5
Q1914-05	SS-4	SVOCMS Group3	30.01	N/A	ritesh	Evelyn	1	E		6
Q1914-06	SS-5	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1914-07	SS-6	SVOCMS Group3	30.09	N/A	ritesh	Evelyn	1	E		2
Q1914-08	SS-7	SVOCMS Group3	30.03	N/A	ritesh	Evelyn	1	E		3
Q1914-09	SS-8	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		4
Q1914-10	Q1914-09MS	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		5
Q1914-11	Q1914-09MSD	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		6
Q1914-12	SS-9	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		U6-1



WORKLIST(Hardcopy Internal Chain)

Date : 04-30-2025 10:55:45

Department : Extraction

WorkList ID : 189228

WorkList Name : Q1911

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1907-01	CO-8R-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	WALS01	L51	04/28/2025	8270E
Q1910-01	MOO-25-0123-27	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/29/2025	8270E
Q1911-01	EO-03-04292025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L41	04/29/2025	8270E
Q1912-01	MH-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/29/2025	8270E
Q1912-05	MH-F	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/29/2025	8270E
Q1914-01	SS-1	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-02	SS-91	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-03	SS-2	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-04	SS-3	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-05	SS-4	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-06	SS-5	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-07	SS-6	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-08	SS-7	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-09	SS-8	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-10	Q1914-09MS	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-11	Q1914-09MSD	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E
Q1914-12	SS-9	Solid	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E

Date/Time 4/30/25 10:55
Raw Sample Received by: RJ (Ext 196)
Raw Sample Relinquished by: CP SM

Date/Time 4/30/25 11:25
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext 196)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Walsh Construction
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Bennie Dion Gokan
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shaft 17B+18B
PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clare Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. TCL VOCs (52100)
2. TCL SVOCs (52100)
3. TCL VOCs (52100)
4. TCL SVOCs (52100)
5. TCL VOCs (52100)
6. TCL SVOCs (52100)
7. TCL VOCs (52100)
8. TCL SVOCs (52100)
9. TCL VOCs (52100)
10. TCL SVOCs (52100)

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		F+E	G	G	E	E	F+E	G	E	E	← Specify Preservatives A-HCl B-HNO3 C-H2SO4	D-NaOH E-ICE F-OTHER (method)
								1	2	3	4	5	6	7	8	9		
1.	CO-0082-WC	Soil	X	X	4/28/25	1150	25	X	X	X	X	X	X	X	X	X	13x 8oz, 1x 4oz	
2.																	2x terracore sets	
3.																	1x encore set	
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>4/28/25 1220</u>	RECEIVED BY: 1. <u>Bennie DG</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.0°C</u>
RELINQUISHED BY SAMPLER: 2. <u>Bennie DG</u>	DATE/TIME: <u>4/28/25 2:00 PM</u>	RECEIVED BY: 2. <u>[Signature]</u> <u>4/28/25</u>	Comments: <u>RCRA Characteristics - Ignitability, Corrosivity, Reactivity (Sulfide & Cyanide)</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>4-28-25</u>	RECEIVED BY: 3. <u>[Signature]</u>	<u>Full analyte list in J. Peterson email on 4/22/25</u> <u>Bottle order # B2504038</u> <u>Temp 3.0°C Adjustment factor +17 IR Gun #1</u>

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1907	WALS01	Order Date : 4/28/2025 4:13:00 PM	Project Mgr :
Client Name : Walsh Construction Compa		Project Name : Walsh CO-032 Sampling	Report Type : Level 2
Client Contact : Jesse A. Sylvestri		Receive DateTime : 4/28/2025 12:00:00 AM	EDD Type : Excel NY
Invoice Name : Walsh Construction Compa		Purchase Order : 16:10	Hard Copy Date :
Invoice Contact : Jesse A. Sylvestri			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1907-01	CO-8R-WC	Solid	04/28/2025	11:50	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 

Date / Time : 4-28-25 1645

Received By : 

Date / Time : 4/28/25 1645

Storage Area : VOA Refridgerator Room